PRELIMINARY ENGINEERING REPORT

Florida Department of Transportation

Florida's Turnpike Enterprise

Widen Suncoast Parkway (SR 589) Project Development and Environment (PD&E) Study

From South of Van Dyke Road to SR 52

Hillsborough and Pasco Counties, Florida

Financial Management Number: 448068-1

ETDM Number: 14503

May 2026

PROFESSIONAL ENGINEER CERTIFICATION

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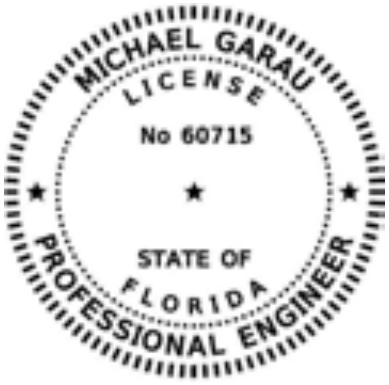
Federal Aid Project Number: N/A

This preliminary engineering report contains engineering information that fulfills the purpose and need for the Suncoast Parkway Widening Project Development & Environment Study from south of Van Dyke Road to SR 52 in Hillsborough and Pasco Counties, Florida. I acknowledge that the procedures and references used to develop the results contained in this report are standard to the professional practice of transportation engineering as applied through professional judgment and experience.

I hereby certify that I am a registered professional engineer in the State of Florida practicing with Kimley-Horn and Associates, Inc., and that I have prepared or approved the evaluation, findings, opinions, conclusions, or technical advice for this project.



This item has been digitally signed and sealed by Michael Garau, P.E. on the date adjacent to the seal.

Signature must be verified on any electronic copies.

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1.0 PROJECT SUMMARY

1.1 Project Description

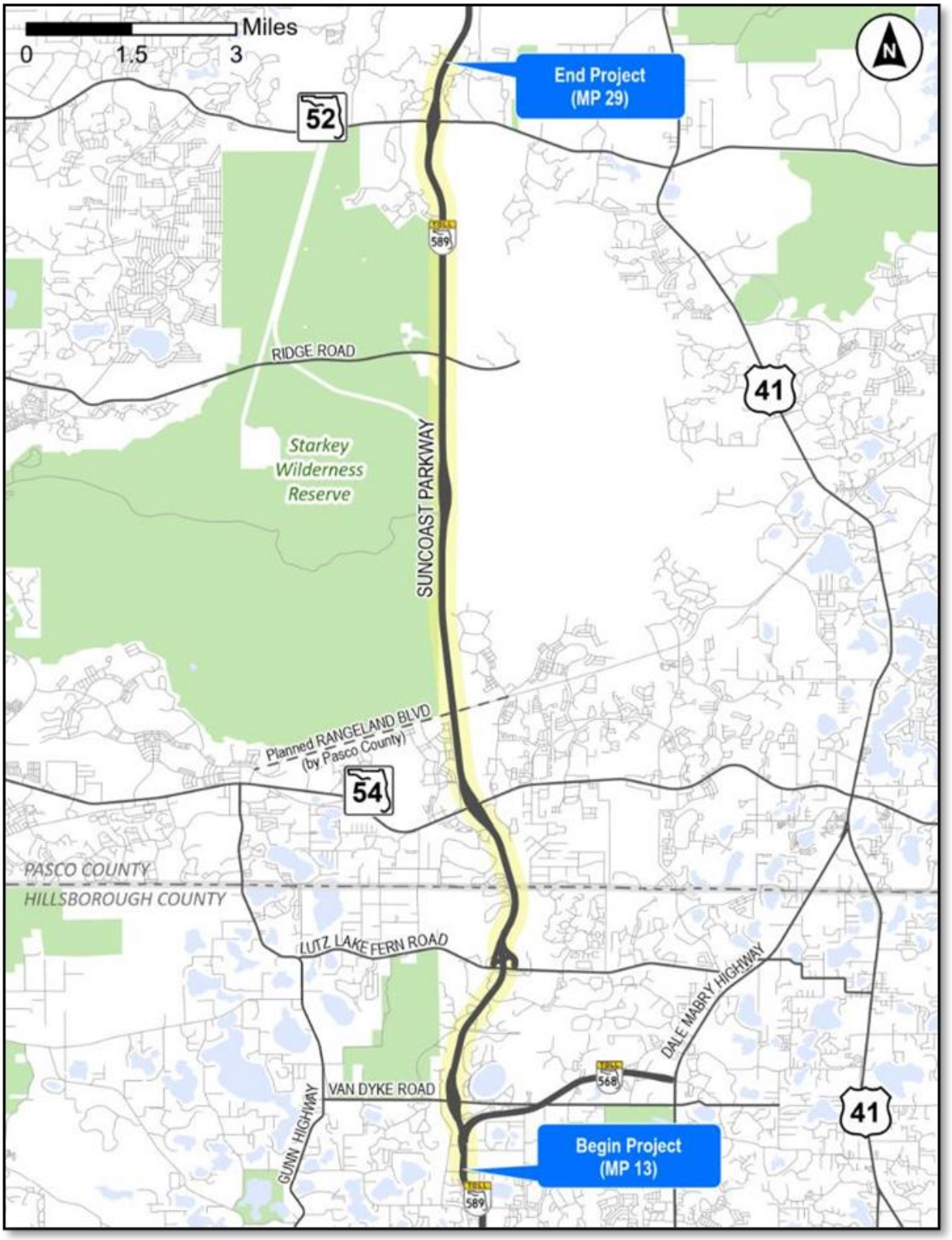
Florida's Turnpike Enterprise (Enterprise), part of the Florida Department of Transportation (FDOT), conducted a Project Development and Environment (PD&E) Study to evaluate the widening of the Suncoast Parkway (State Road [SR] 589) from south of Van Dyke Road to SR 52 (milepost [MP] 13 to 29), a distance of approximately 16 miles. As part of the study, all existing interchanges within the project limits and the need for a new interchange at Rangeland Boulevard are being evaluated. Existing interchanges include Van Dyke Road, Lutz Lake Fern Road, SR 54, Ridge Road, and SR 52. The project is located in Hillsborough and Pasco counties, Florida. The project location map, **Figure 1-1,** shows the study area for the project.

The Suncoast Parkway is currently a four lane (two lanes in each direction), tolled, limited access facility within the study limits. The proposed project includes widening to eight lanes from south of Van Dyke Road to north of SR 54 and widening to six lanes from north of SR 54 to SR 52. Within the study limits, the roadway is functionally classified as an Urban Principal Arterial - Freeway and Expressway and has a posted speed limit of 60 miles per hour (mph) from approximately MP 13 to MP 17 and 70 mph from MP 17 to MP 29. In addition, the Suncoast Trail, part of the greater Florida Shared-Use Non-motorized (SUN) Trail network, runs along the west side of the Suncoast Parkway from Lutz Lake Fern Road to the north beyond the project limits at SR 52.

The Suncoast Parkway provides regional connectivity between Hillsborough, Pasco, Hernando, and Citrus counties. Within the project area, the Suncoast Parkway is a designated hurricane evacuation route and part of Florida's Strategic Intermodal System (SIS). Facilities on the SIS are subject to special standards and criteria for design speed, level of service, and other requirements.

Early planning efforts conducted by the Enterprise concluded that capacity improvements are needed along the Suncoast Parkway and at the interchanges to improve current and future peak period traffic operations and reduce the potential for traffic incidents.

Figure 1-1: Project Location Map



1.2 Purpose & Need

The purpose of this project is to provide additional capacity on the Suncoast Parkway from south of Van Dyke Road to SR 52 to accommodate existing capacity and future traffic demand for vehicular and truck traffic. Goals of the project include enhancing safety and improving emergency evacuation capabilities.

The need for this project is to improve current and future peak period traffic operations and safety at the interchanges and throughout the corridor. The merge/diverge area of SR 54 and SR 52 interchanges currently has the highest number of vehicular crashes resulting from high congestion in the area. The proposed improvements will enhance travel time reliability, safety, and emergency response and evacuation times.

Project Status

The project is listed as cost feasible within the 2050 Long Range Transportation Plans (LRTP) for the Hillsborough Transportation Planning Organization (TPO) and Pasco County Metropolitan Planning Organization (MPO). The segment of the project from South of Van Dyke Road to North of Lutz Lake Fern Road and from the Hillsborough/Pasco County line to North of SR 54 are fully funded through construction within the FY 2026 - 2030 Hillsborough TPO Transportation Improvement Program (TIP), FY 2026 - 2030 Pasco MPO TIP, and FY 2026 - 2029 State Transportation Improvement Program (STIP).

Capacity

This project is needed to relieve current and projected future traffic congestion. The existing Annual Average Daily Traffic (AADT) ranges from 56,800 south of SR 54 to 41,000 north of SR 54. The segment from south of Van Dyke Road to SR 54 is currently operating at or near the level of service (LOS) D capacity limit. By 2050, the AADT is expected to increase to 97,200 south of SR 54 and 75,400 north of SR 54. Based on traffic forecasts and the adopted LOS target (LOS D or better), six lanes are needed today from south of Van Dyke Road to north of SR 54 and eight lanes would be needed by 2040. From north of SR 54 to Ridge Road, six lanes would be needed by 2030. From Ridge Road to SR 52, six lanes would be needed by 2035.

Transportation Demand

By 2050, the population within Hillsborough and Pasco counties is expected to grow by 27%. During the same time period, travel demands on the Suncoast Parkway will increase by 70%. This is indicative of faster growth within the study area when compared to county-wide averages. Notable developments include the Moffitt Cancer Center and the Angeline residential community. The Moffitt Cancer Center is a 775-acre medical campus off Ridge Road that will include 140 buildings and employs 14,000 people. Angeline is adjacent to the Moffitt Cancer Center and consists of a 6,200-acre mixed-use master-planned community that will include 7,500 single family homes.

Travel demand forecasts show that traffic on the Suncoast Parkway is expected to increase an average of 4% per year from 2023 to 2030 and 1.5% per year from 2030 to 2050. The segment from south of Van Dyke Road to SR 54 is currently operating at or near the LOS D limit. If nothing is done, congestion will continue to increase and the segments north of SR 54 will begin to exceed

LOS standards by 2030. Proposed improvements would be designed to meet the established LOS D target to the greatest extent practicable in Design Year 2050.

Safety

The proposed improvements are needed to enhance safety. Between 2018 and 2022, there were 1,562 crashes within the study limits with a high concentration of crashes at the merge/diverge areas of the interchanges. A total of 653 crashes were reported along the Suncoast Parkway mainline, and the remaining 909 crashes occurred at the various existing interchanges with a higher concentration at the SR 54 and SR 52 interchanges. Eight fatal crashes were reported in the study area. Congestion is a major contributing factor. In the No-Build condition, congestion would likely continue to rise leading to an increase in crashes.

1.3 Commitments

To minimize the impacts of this project to the social, cultural, natural and physical environment, Florida Department of Transportation (FDOT) has identified the following commitments:

- If the listing status of the tricolored bat or monarch butterfly is elevated by USFWS to Threatened or Endangered, the Enterprise commits to initiating technical assistance with USFWS during the design and permitting phase to determine the appropriate survey methodology and regulations regarding the protection of this species.
- The most recent version of the USFWS Standard Protection Measures for the Eastern Indigo Snake will be adhered to during construction of the proposed project.
- The Enterprise is committed to constructing feasible and reasonable noise abatement measures contingent upon the following conditions:
    - Final recommendations on the construction of abatement measures are determined during the project's final design and through the public involvement process;
    - Detailed noise analyses during the final design process support the need, feasibility, and reasonableness of providing abatement;
    - Cost analysis indicates that the cost of the noise barrier(s) will not exceed the cost reasonable criterion;
    - Community input supporting types, heights, and locations of the noise barrier(s) is provided to the Enterprise; and
    - Safety and engineering aspects have been reviewed and any conflicts or issues resolved.
- All Medium risk rated sites identified in the Contamination Screening Evaluation Report will be reevaluated for their potential to impact the project during the design and ROW acquisition phases as applicable, to determine if a Level II Contamination Assessment is warranted. Level II Contamination Assessment activities will be completed within the project limits for those sites determined to have potential to impact construction and/or ROW acquisition.

1.4 Alternatives Analysis Summary

One Build Alternative was evaluated in addition to the No-Build Alternative. Below is a summary of the alternatives considered by segment and interchange:

- Mainline – South of Van Dyke Road to North of SR 54
  - Eight lane typical section (four lanes each direction) with median barrier wall
- Mainline – North of SR 54 to SR 52
  - Six lane typical section (three lanes each direction) with open median
- Van Dyke Road Interchange
  - Modifications to existing diamond interchange
- Lutz Lake Fern Road Interchange
  - Modification to existing partial cloverleaf interchange
- SR 54 Interchange
  - Alternative 1 – Modification to existing tight diamond interchange
  - Alternative 2 – Reconstruct as a diverging diamond interchange
- Rangeland Boulevard Interchange
  - Construct new partial cloverleaf interchange with loop ramps on the north side
- Ridge Road Interchange
  - Modification to the existing diamond interchange
- SR 52 Interchange
  - Modification to the existing tight diamond interchange

1.5 Description of Preferred Alternative

Below is a summary of the proposed elements for the Preferred Alternative for the Suncoast Parkway and interchanges.

- Segment 1 (from south of Van Dyke Road to north of SR 54) involves widening to the inside and outside to add two 12-foot-wide travel lanes in each direction for a total of eight travel lanes. The proposed travel lanes will be separated by a 26-foot-wide median with a barrier wall.
- Segment 2 (from north of SR 54 to SR 52) involves widening to the inside to provide three 12-foot-wide travel lanes in each direction for a total of six travel lanes. The proposed travel lanes will be separated by a 40-foot-wide median.
- Van Dyke Road Interchange (MP 14) includes adding an additional left turn lane to the northbound and southbound off ramps and adding a turn lane along Van Dyke Road in the westbound direction to Ramblewood Road. In addition, a shared-use path on the north side is proposed.
- Lutz Lake Fern Road Interchange (MP 16) involves minor modifications that include adding additional turn lanes and extending turn lanes at the intersections. In addition, a shared-use path on both sides of Lutz Lake Fern Road is proposed as part of the interchange modifications.
- SR 54 Interchange (MP 19) includes modifications to the existing tight diamond interchange. This includes adding an additional right turn lane to the northbound off ramp, an additional right and left turn lane to the southbound off ramp, and an additional left turn lane from westbound SR 54 to the southbound on ramp. Along SR

54 itself, an additional through lane would be added in the westbound direction beginning at the southbound off ramp, continuing past Crossings Boulevard, and up to South Branch Boulevard. Improvements would also include a shared-use path on both sides within the interchange area.

- Rangeland Boulevard Interchange (MP 20) proposes a new full access interchange with loop ramps on the north side of Rangeland Boulevard. The interchange would only be constructed once Pasco County completes the extension of Rangeland Boulevard and the interchange meets the following conditions: (1) connects to a public roadway and serves all movements; (2) meets safety and operational requirements; (3) is supported by the local community; and (4) is consistent with local government plans.
- Ridge Road Interchange (MP 25) includes adding left and right turn lanes to the northbound off ramp, realigning the right turn lane from the southbound off ramp to improve the safety of the trail crossing, and adding a left turn lane from eastbound Ridge Road to the northbound on ramp.
- SR 52 Interchange (MP 27) involves adding a left and right turn lane to the northbound off ramp and adding a second right turn lane from eastbound SR 52 to the southbound on ramp.

1.6 List of Technical Documents

Below is a list of all technical documents prepared as part of this PD&E Study.

- Bridge Hydraulic Report
- Bridge Analysis Report
- Toll Siting Technical Memorandum
- Geotechnical Technical Memorandum
- Location Hydraulics Report
- Pond Siting Report
- Utilities Assessment Package
- Project Traffic Forecast Memorandum
- Project Traffic Analysis Report
- Resiliency Evaluation Technical Memorandum
- Signing Conceptual Roll Plot
- Air Quality Technical Memorandum
- Sociocultural Effects Evaluation
- Water Quality Impact Evaluation
- Natural Resources Evaluation
- Cultural Resources Assessment Survey
- Noise Study Report
- Contamination Screening Evaluation Report
- State Environmental Impact Report
- Comments and Coordination Report

2.0 EXISTING CONDITIONS

Suncoast Parkway, between south of Van Dyke Road and SR 52 covers approximately 16 miles. Five existing interchanges are located within the study limits: Van Dyke Road, Lutz Lake Fern Road, SR 54, Ridge Road, and SR 52. The existing conditions for this segment of the Suncoast Parkway and the interchanges referenced above are described in this section of the report.

2.1 Previous Planning Studies

In July 2019, the Enterprise completed the Pasco County Interchange Planning Study that evaluated existing interchanges and examined the need to construct new interchanges. The purpose of this planning study was to evaluate the conceptual feasibility and 2045 traffic demand of potential new interchanges at Rangeland Boulevard (referenced as Tower Road in the study), Shady Hills Road, and Caldwell Lane. Both Shady Hills Road and Caldwell Lane are outside of the PD&E study limits. In addition to the feasibility of these new interchanges, various improvements at SR 54 were also analyzed. The interchange alternative options examined many factors such as improving safety, accommodating the 2045 traffic demands, and improving operations.

The Interchange Planning Study concluded that a new interchange at Rangeland Boulevard would provide a significant transportation benefit to the county by relieving traffic along SR 54 and providing access to residential and commercial areas in the Bexley Ranch area and other future developments. The Interchange Planning Study recommended that a partial cloverleaf concept be considered for a new interchange at Rangeland Boulevard as it would provide acceptable mainline operations.

2.2 Existing Roadway Conditions

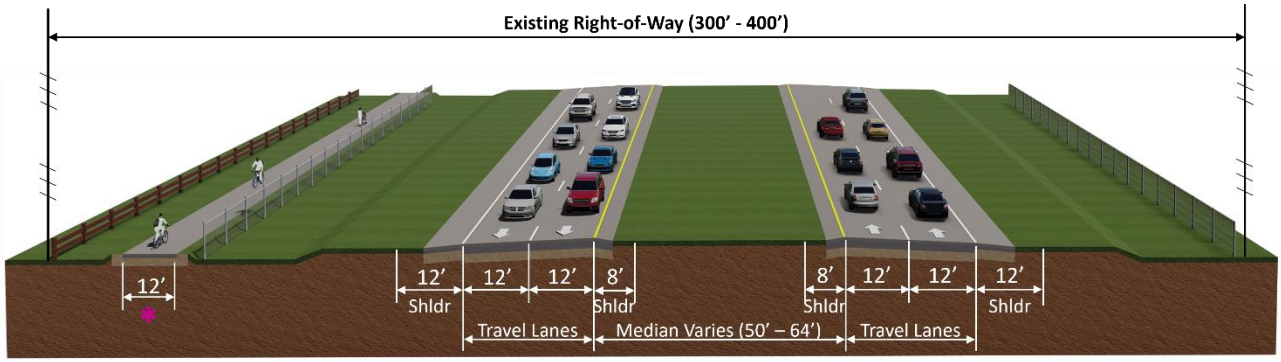
2.2.1 Roadway Typical Sections

The following paragraphs discuss the existing typical sections of the major roadways located in the study area.

Suncoast Parkway

The existing typical section for the Suncoast Parkway from south of Van Dyke Road to SR 52 is a four-lane divided limited access facility located within approximately 300 to 400 feet of right-of-way. This typical section includes a varying 50-foot to 64-foot median, 8-foot inside shoulders, two 12-foot travel lanes in both directions, and 12-foot outside shoulders. Beginning at Lutz Lake Fern Road, the Suncoast Trail, which is part of the greater Shared-Use Non-motorized (SUN) Trail network, is located along the west side of the Suncoast Parkway and provides a 12-foot-wide path for both bicyclists and pedestrians. The existing typical section is shown in **Figure 2-1**.

Figure 2-1: Existing Suncoast Parkway Typical Section



* Suncoast Trail begins at Lutz Lake Fern Rd

Van Dyke Road Interchange

The existing Van Dyke Road interchange is a tight diamond styled interchange with four direct connected ramps. The ramps provide connection to both north and southbound Suncoast Parkway. A toll gantry is located on the northbound on-ramp and the southbound off-ramp. Van Dyke Road within the study area is a two-lane undivided urban minor arterial roadway that traverses under the Suncoast Parkway. The existing typical section consists of two 12-foot travel lanes with shoulders. Hillsborough County is currently conducting a separate PD&E Study to widen Van Dyke Road from two-lanes to four-lanes.

Table 2-1 summarizes the interchange ramp movements.

Table 2-1: Summary of Existing Van Dyke Road Interchange Ramps

Ramp Movement	Ramp Direction
Northbound Suncoast Parkway to Van Dyke Road	One-lane ramp. Lane width is approximately 15' wide with 10'-12' paved outside shoulder, and a 4' paved inside shoulder.
Van Dyke Road to northbound Suncoast Parkway	One-lane ramp. Lane varies from 14' – 15' with a 10' paved outside shoulder, and a 4' paved inside shoulder.
Southbound Suncoast Parkway to Van Dyke Road	One-lane ramp. Lane width is approximately 14' wide with 10' paved outside shoulder, and a 4' paved inside shoulder.
Van Dyke Road to southbound Suncoast Parkway	One-lane ramp. Lane varies from 15' – 16' with a varying 10' paved outside shoulder, and a varying 4' paved inside shoulder.

The existing interchange ramps are shown on the following page in **Figure 2-2**.

Figure 2-2: Existing Van Dyke Road Interchange

Lutz Lake Fern Road

The existing Lutz Lake Fern Road interchange is a partial clover leaf/diamond styled interchange with four direct connected ramps. The ramps provide connection to both north and southbound Suncoast Parkway. Lutz Lake Fern Road within the study area is a four-lane (two lanes in each direction) divided urban major collector that traverses under the Suncoast Parkway. The existing typical section for both eastbound and westbound directions consist of four 12-foot travel lanes with a grassed median and an outside shoulder. **Table 2-2** summarizes the interchange ramp

movements for this interchange. Minor improvements such as resurfacing and the installation of a wrong way vehicle detection system is planned for FY 2026.

Table 2-2: Summary of Existing Lutz Lake Fern Road Interchange Ramps

Ramp Movement	Ramp Direction
Northbound Suncoast Parkway to Lutz Lake Road	One-lane ramp. Travel lane width is approximately 15’ wide with 6’ paved outside shoulder, and a 6’ paved inside shoulder.
Lutz Lake Fern Road to northbound Suncoast Parkway	One-lane ramp. Travel lane width is approximately 15’ with a varying 6’ paved outside shoulder, and a 4’ paved inside shoulder.
Southbound Suncoast Parkway to Lutz Lake Road	One-lane ramp. Travel lane width is approximately 15’ wide with 4’ paved outside shoulder, and a 6’ paved inside shoulder.
Lutz Lake Fern Road to southbound Suncoast Parkway	One-lane ramp. Travel lane width is approximately with a varying 6’ to 8’ paved outside shoulder, and a 4’ paved inside shoulder.

The existing interchange ramps are shown on the following page in **Figure 2-3**.

Figure 2-3: Existing Lutz Lake Fern Road Interchange

SR 54

The existing SR 54 interchange is a tight diamond styled interchange with four direct connected ramps. The ramps provide connection to both north and southbound Suncoast Parkway. A toll gantry is located on the northbound off-ramp and the southbound on-ramp. SR 54 within the study area is a six-lane (three lanes in each direction) divided urban principal arterial that traverses under the Suncoast Parkway. The existing typical section for both eastbound and westbound directions consist of four 12-foot travel lanes, 6-foot-wide bike lane, a grassed median and an outside shoulder. **Table 2-3** summarizes the interchange ramp movements for this interchange.

Table 2-3: Summary of Existing SR 54 Interchange Ramps

Ramp Movement	Ramp Direction
Northbound Suncoast Parkway to SR 54	One-lane ramp. Travel lane width is approximately 24' wide with 12' paved outside shoulder, and a 4' paved inside shoulder.
SR 54 to northbound Suncoast Parkway	One-lane ramp. Lane is approximately 15' with an approximate 4' paved outside shoulder, and a 4' paved inside shoulder.
Southbound Suncoast Parkway to SR 54	One-lane ramp. Lane width is approximately 15' wide with 4' paved outside shoulder, and a 2' paved inside shoulder.
SR 54 to southbound Suncoast Parkway	One-lane ramp. Lane varies from 24' with a 6' paved outside shoulder, and a 4' paved inside shoulder.

The existing interchange ramps are shown on the following page in **Figure 2-4.**

Figure 2-4: Existing SR 54 Interchange

Ridge Road

The existing Ridge Road interchange is a diamond styled interchange with four direct connected ramps. The ramps provide connection to both northbound and southbound Suncoast Parkway. Ridge Road within the study area is a four-lane (two lanes in each direction) divided urban principal arterial that traverses under the Suncoast Parkway. The existing typical section for both eastbound and westbound directions consist of four 12-foot travel lanes, a grassed median and an outside shoulder. **Table 2-4** summarizes the interchange ramp movements for this interchange.

Table 2-4: Summary of Existing Ridge Road Interchange Ramps

Ramp Movement	Ramp Direction
Northbound Suncoast Parkway to Ridge Road	One-lane ramp. Travel lane width varies from approximately 13'-15' wide with 12' paved outside shoulder, and a 4' paved inside shoulder.
Ridge Road to northbound Suncoast Parkway	One-lane ramp. Travel lane width is approximately 15' with a 4' paved outside shoulder, and a 2' paved inside shoulder.
Southbound Suncoast Parkway to Ridge Road	One-lane ramp. Travel lane width is approximately 15' wide with 4' paved outside shoulder, and a 2' paved inside shoulder.
Ridge Road to southbound Suncoast Parkway	One-lane ramp. Travel lane width is approximately 15' with a 4' paved outside shoulder, and a 4' paved inside shoulder.

The existing interchange ramps are shown on the following page in **Figure 2-5.**

Figure 2-5: Existing Ridge Road Interchange

SR 52

The existing SR 52 interchange is a diamond styled interchange with four direct connected ramps. The ramps provide connection to both northbound and southbound Suncoast Parkway. A toll gantry is located on the northbound on-ramp and the southbound off-ramp. SR 52 within the study area is a four-lane (two lanes in each direction) divided urban minor arterial that traverses under the Suncoast Parkway. The existing typical section for both eastbound and westbound directions

consist of four 12-foot travel lanes, a grassed median and an outside shoulder. **Table 2-5** summarizes the interchange ramp movements for this interchange.

Table 2-5: Summary of Existing SR 52 Interchange Ramps

Ramp Movement	Ramp Direction
Northbound Suncoast Parkway to SR 52	One-lane ramp. Travel lane width is approximately 24' wide with 10' paved outside shoulder, and a 4' paved inside shoulder.
SR 52 to northbound Suncoast Parkway	One-lane ramp. Travel lane width varies approximately from 15' – 24' with a 4' paved outside shoulder, and a 2' paved inside shoulder.
Southbound Suncoast Parkway to SR 52	One-lane ramp. Travel lane width is approximately 15' wide with 4' paved outside shoulder, and a 2' paved inside shoulder.
SR 52 to southbound Suncoast Parkway	One-lane ramp. Travel lane width varies approximately from 24' – 25' with a varying 8' – 10' paved outside shoulder, and a varying 3' - 4' paved inside shoulder.

The existing interchange ramps are shown on the following page in **Figure 2-6.**

Figure 2-6: Existing SR 52 Interchange

2.2.2 Roadway Functional & Context Classifications

FDOT's context classification system describes the general characteristics of the land use, development patterns, and roadway connectivity, providing cues as to the types of uses and user groups that will likely utilize the roadway. FDOT will apply criteria and standards based on the context classification. In the case of interstates and limited-access facilities, no context classification is assigned.

The FDOT assigns each roadway on the State Highway System (SHS) a functional classification based on the character of service it provides in relation to the total roadway network. Suncoast Parkway is classified as an Urban Principal Arterial Expressway within the project limits and is also part of the state's SIS. **Table 2-6** highlights the roadway functional classifications for roads that have an interchange with Suncoast Parkway within the project limits.

Table 2-6: Cross-Street Functional Classification

Roadway	Functional Classification
Van Dyke Road	Urban Minor Arterial
Lutz Lake Fern Road	Urban Major Collector
SR 54	Urban Principal Arterial
Ridge Road	Urban Minor Arterial
SR 52	Urban Principal Arterial Other

2.2.3 Access Management Classification

Suncoast Parkway is a limited access facility and is therefore categorized as Access Management Class 1 which dictates the interchange spacing criteria. The access management classifications for the study area roadways are identified in **Table 2-7**.

Table 2-7: Roadway Access Management Classification

Roadway	Access Management Classification
Suncoast Parkway	1
Van Dyke Road	6
Lutz Lake Fern Road	7
SR 54	4
Ridge Road	N/A
SR 52	3

2.2.4 Right-of-Way

The existing available right-of-way throughout the project corridor is generally 300 feet from south of Van Dyke Road to Lutz Lake Fern Road and 400 feet north of Lutz Lake Fern Road. **Figure 2-7** on the following pages highlight the right-of-way dimensions throughout the study corridor.

Figure 2-7: Right-of-Way Dimensions

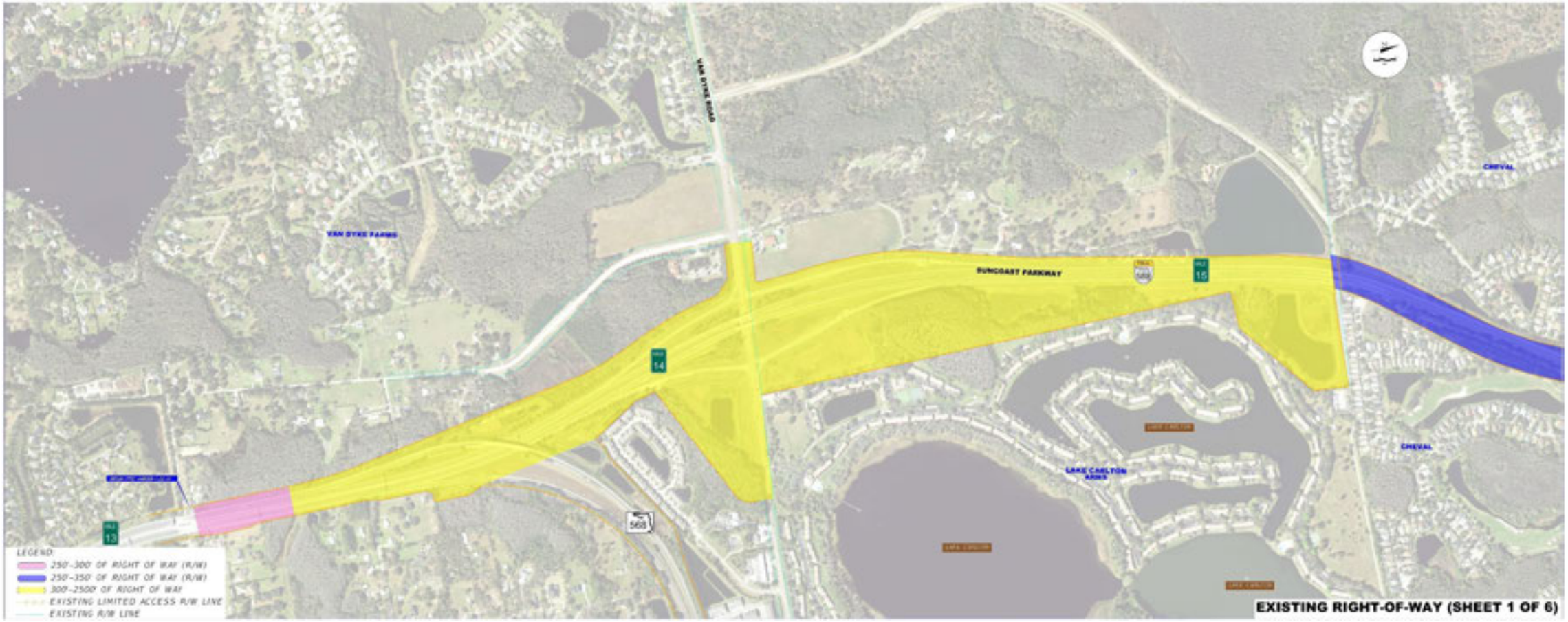


Figure 2-7: Right-of-Way Dimensions (Continued)

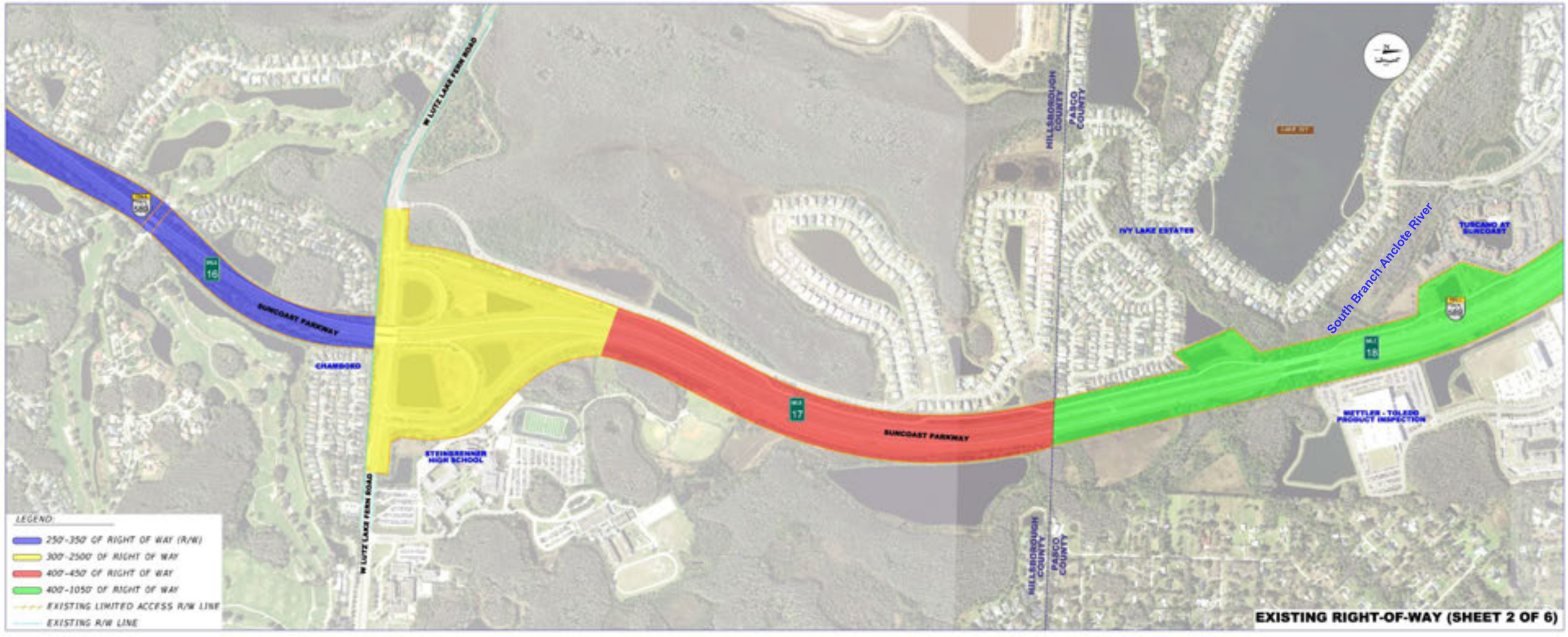


Figure 2-7: Right-of-Way Dimensions (Continued)

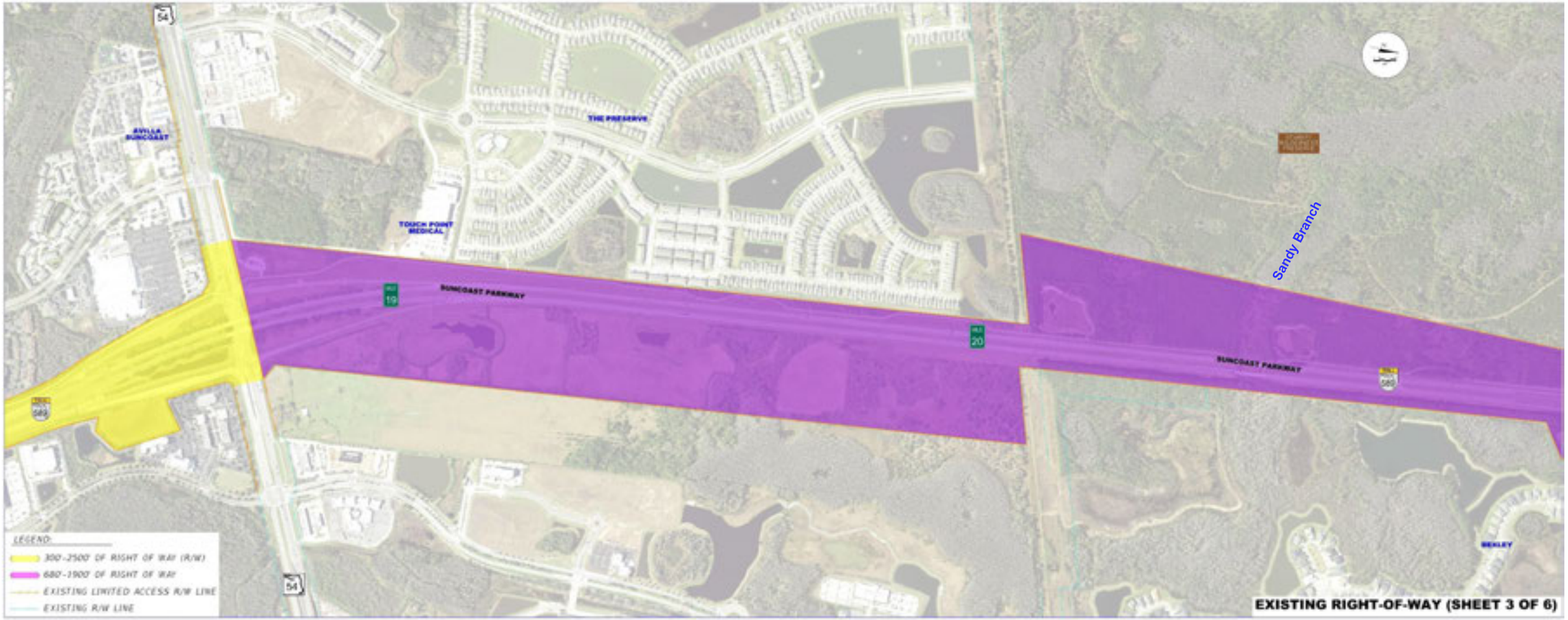


Figure 2-7: Right-of-Way Dimensions (Continued)

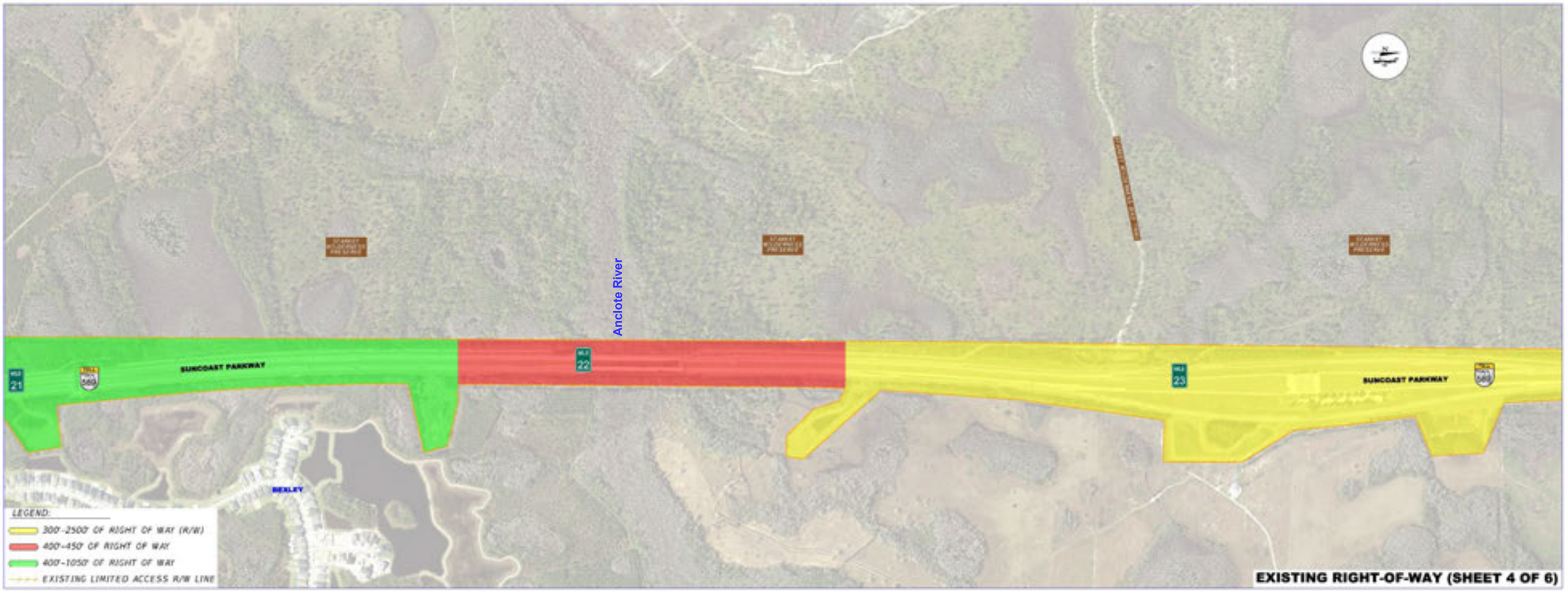


Figure 2-7: Right-of-Way Dimensions (Continued)

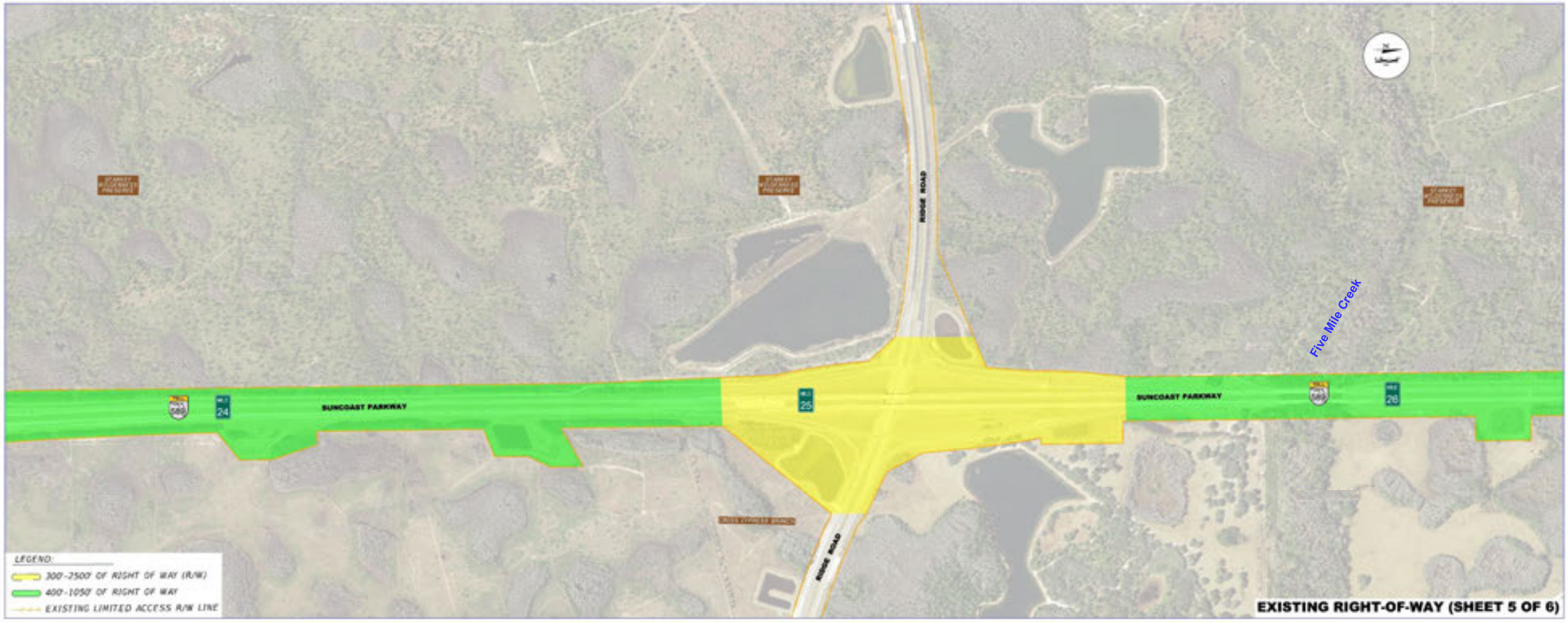
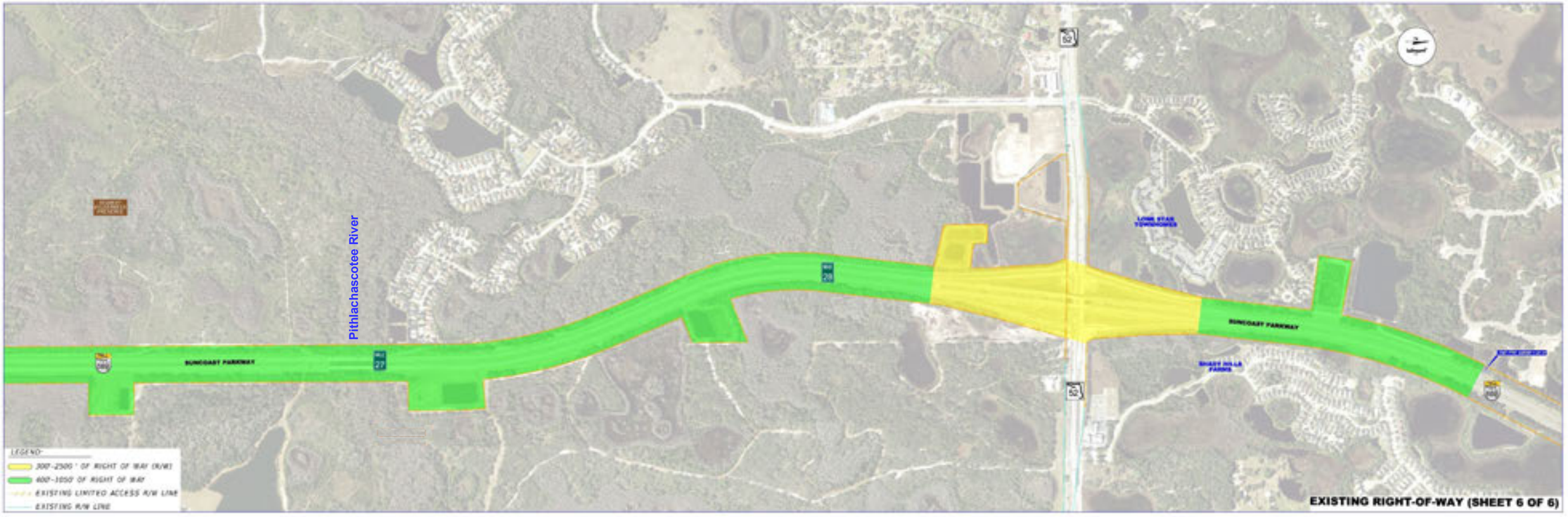


Figure 2-7: Right-of-Way Dimensions (Continued)



2.2.5 Adjacent Land Use

The study area spans through parts of Hillsborough and Pasco counties. **Figure 2-8** highlights the existing land use within the project's study area. The existing land use is primarily residential (22.75%), recreation (27.25%) followed by agricultural (18.15%). The next most common land use types are public/semi-public (14.6%), vacant non-residential (3.13%). Industrial, acreage not zoned for agriculture, institutional, retail/office and other collectively comprise 7.61% of the land use in the study area, while right-of-way, water and parcels with no value collectively, vacant residential comprise of a 3.31% or less of the study area.

Figure 2-8: Existing Land Use Map

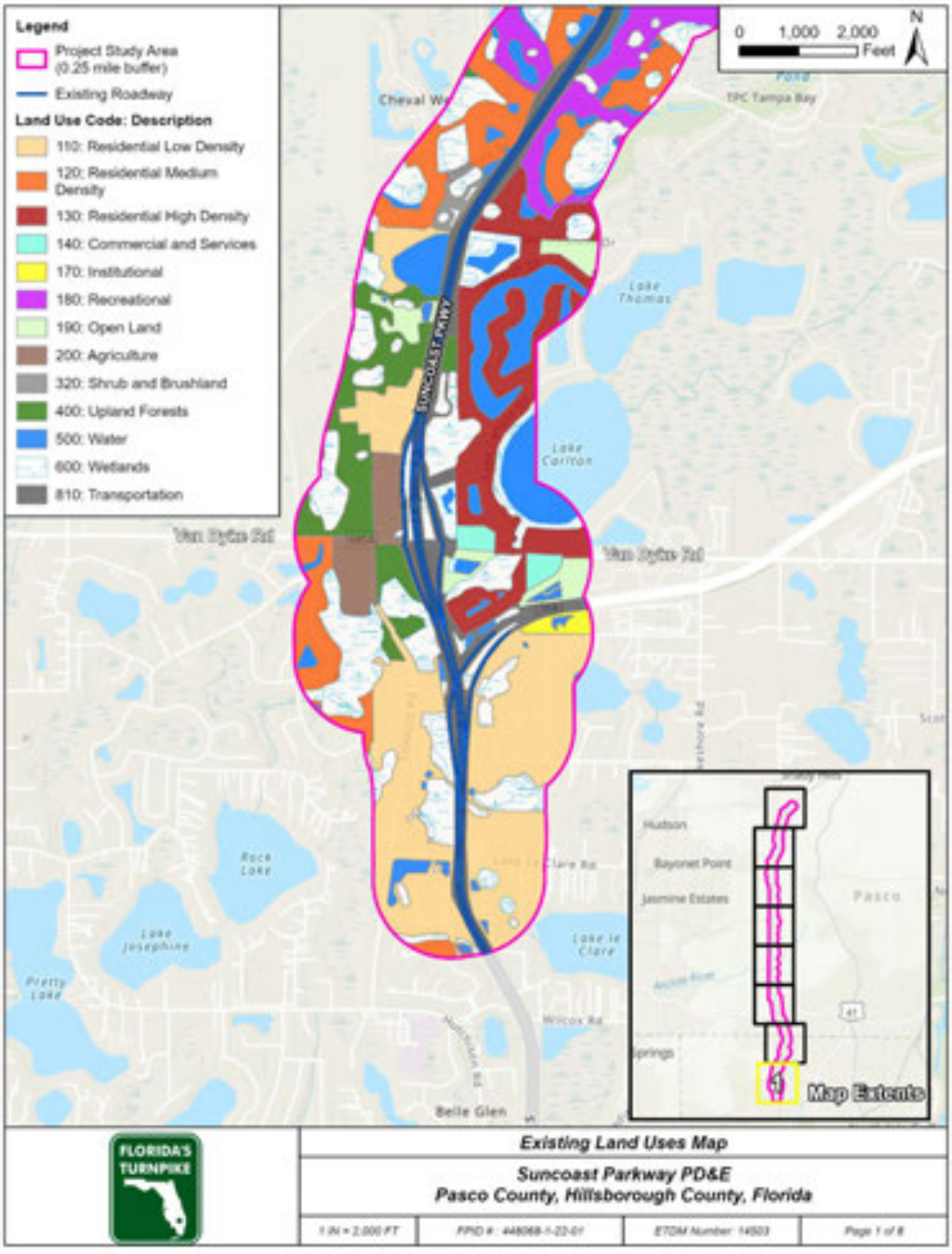


Figure 2-8: Existing Land Use Map (Continued)

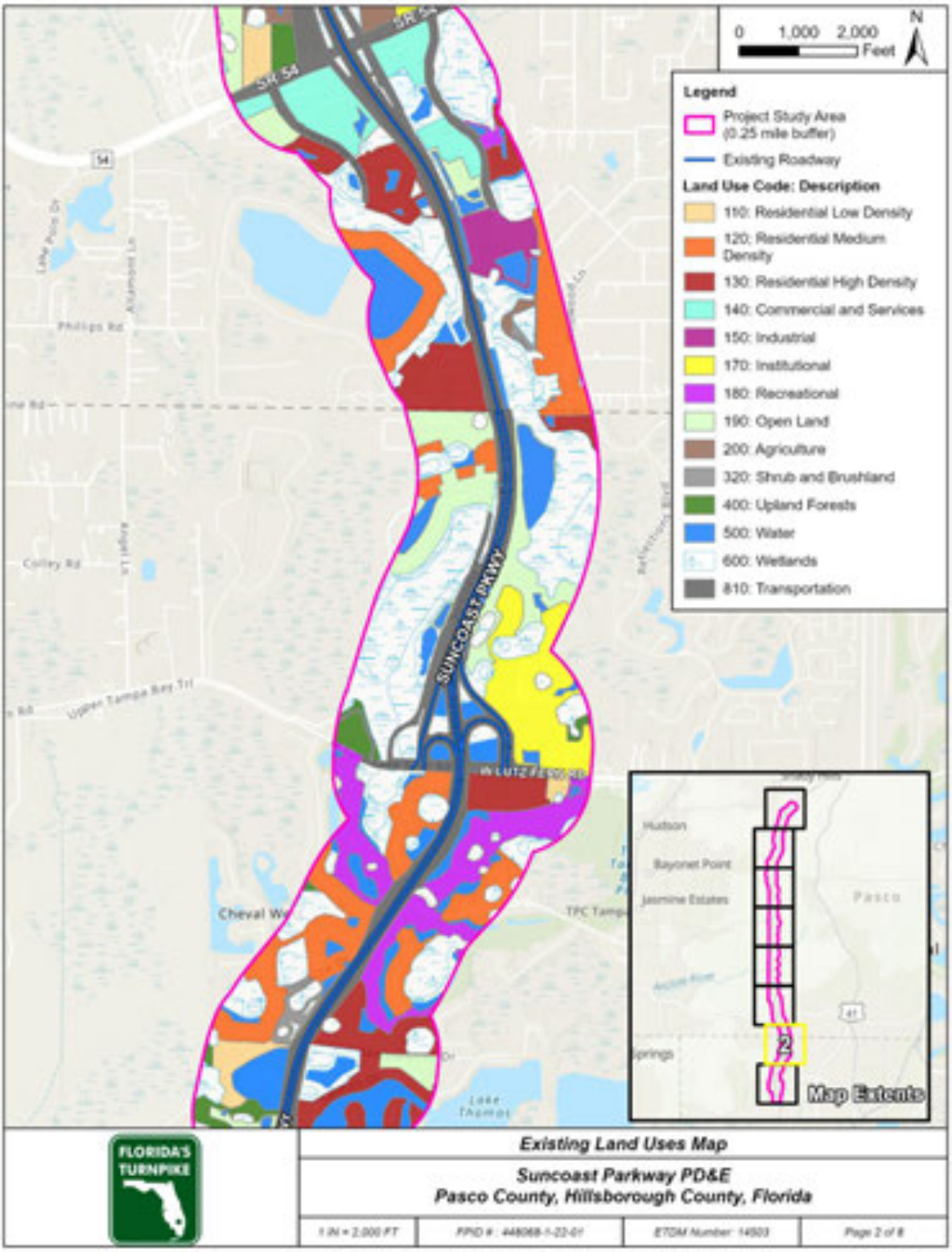


Figure 2-8: Existing Land Use Map (Continued)

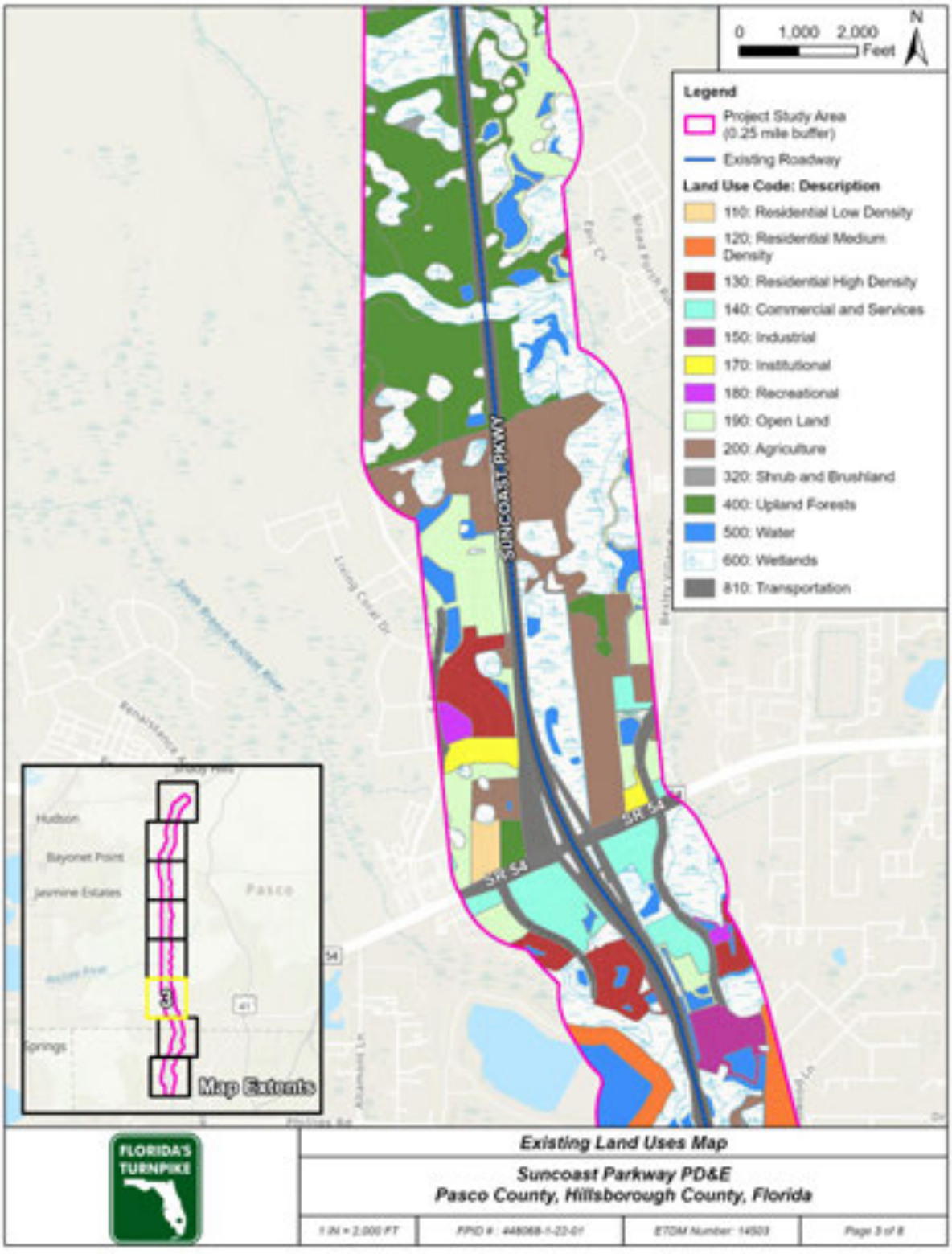


Figure 2-8: Existing Land Use Map (Continued)

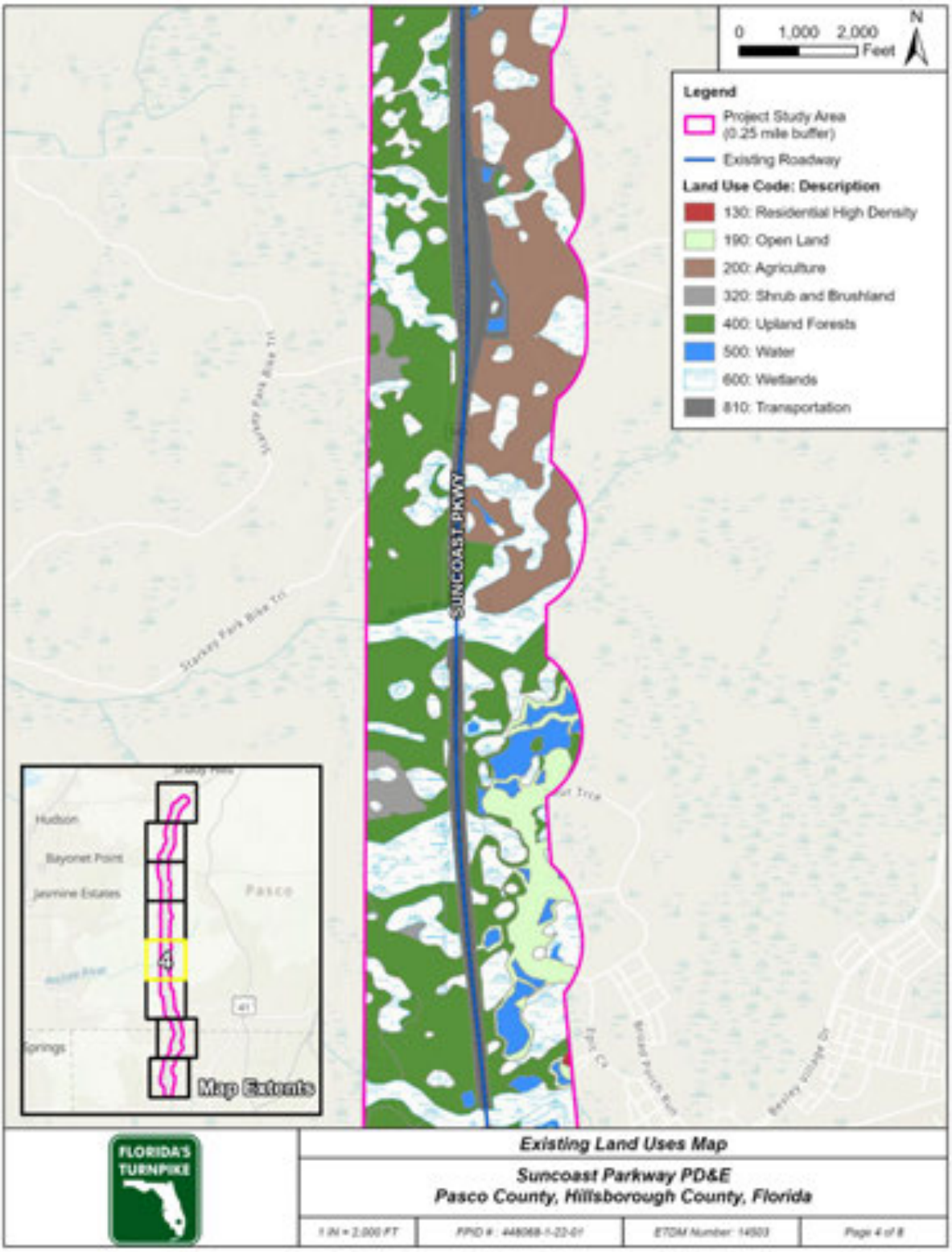


Figure 2-8: Existing Land Use Map (Continued)

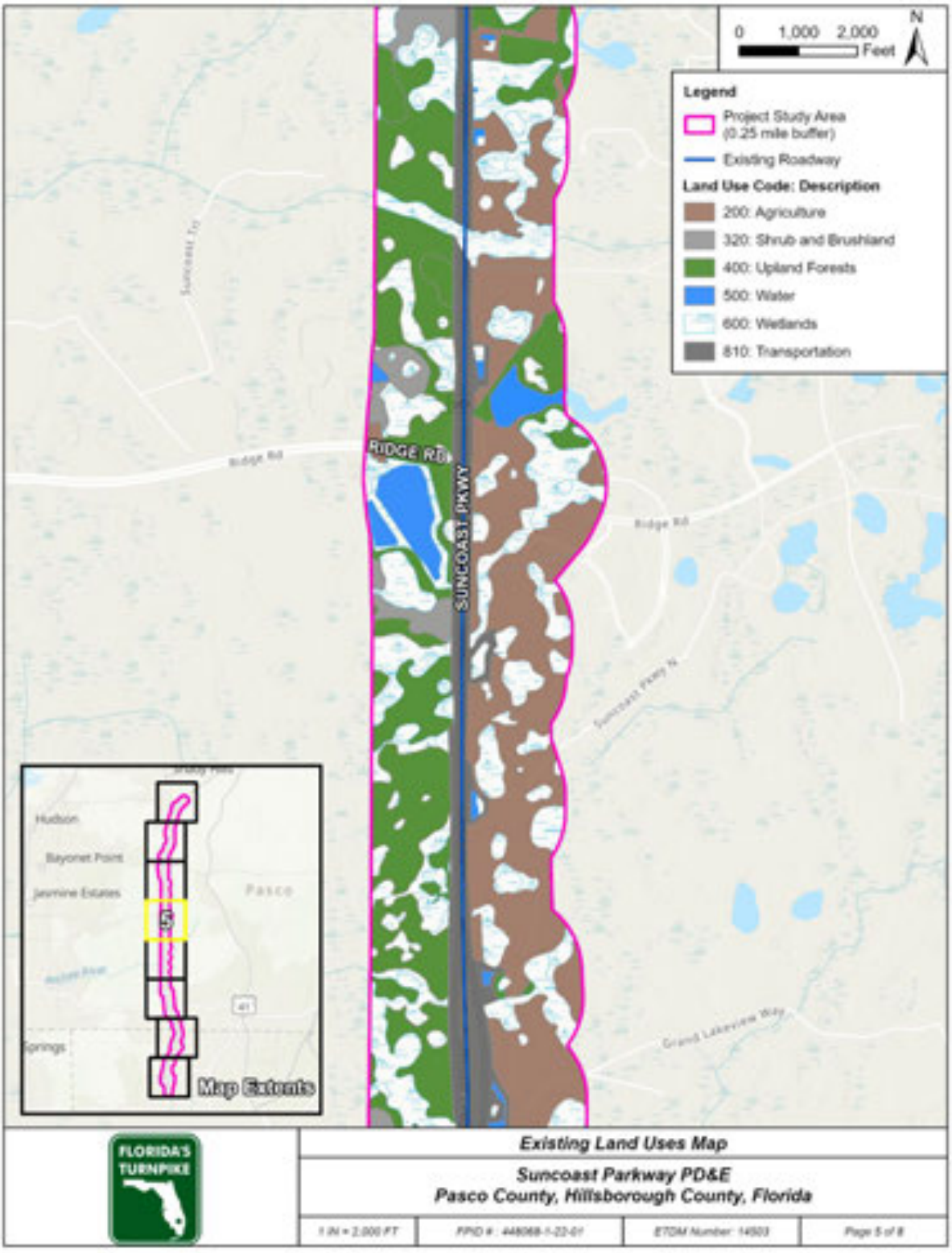


Figure 2-8: Existing Land Use Map (Continued)

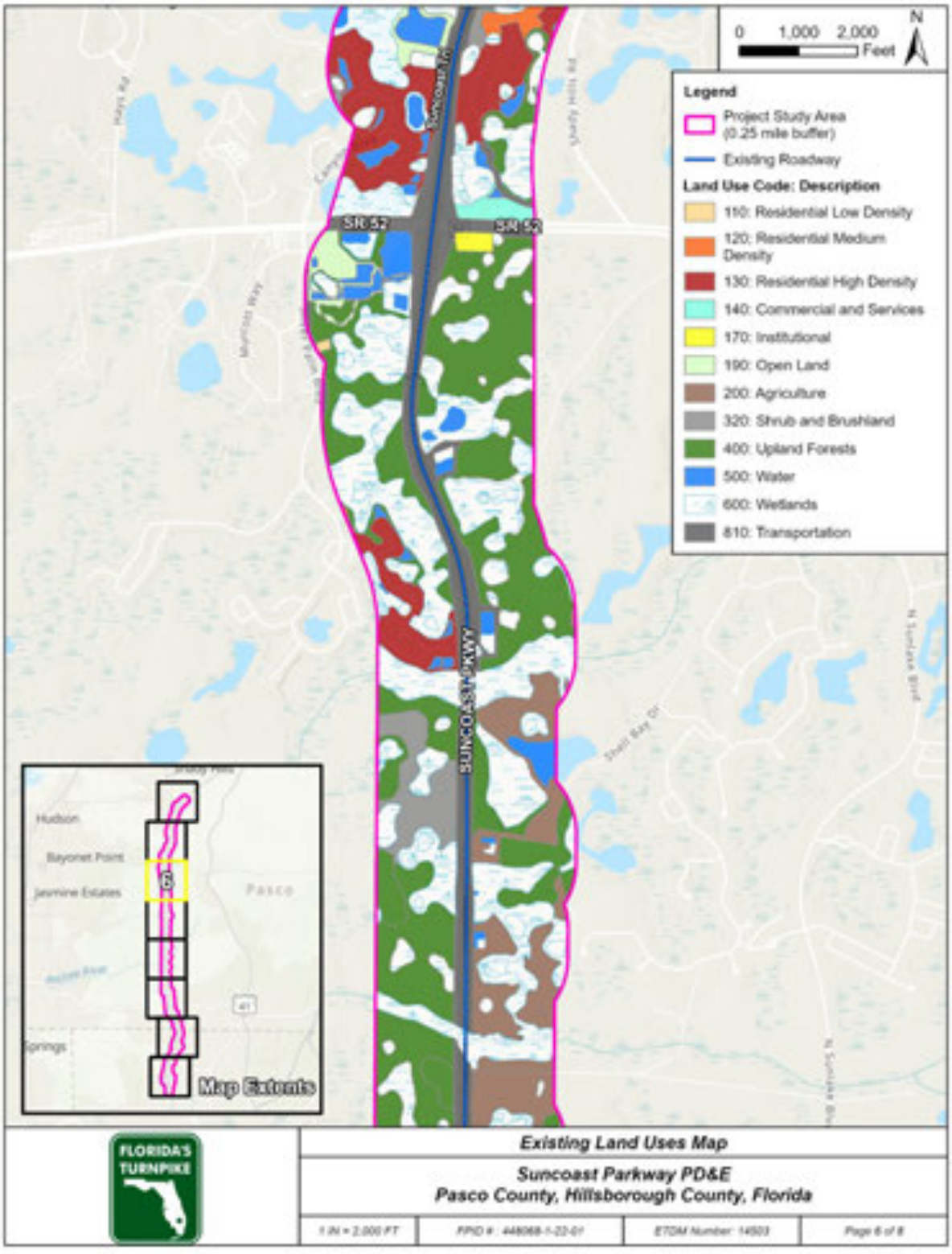


Figure 2-8: Existing Land Use Map (Continued)

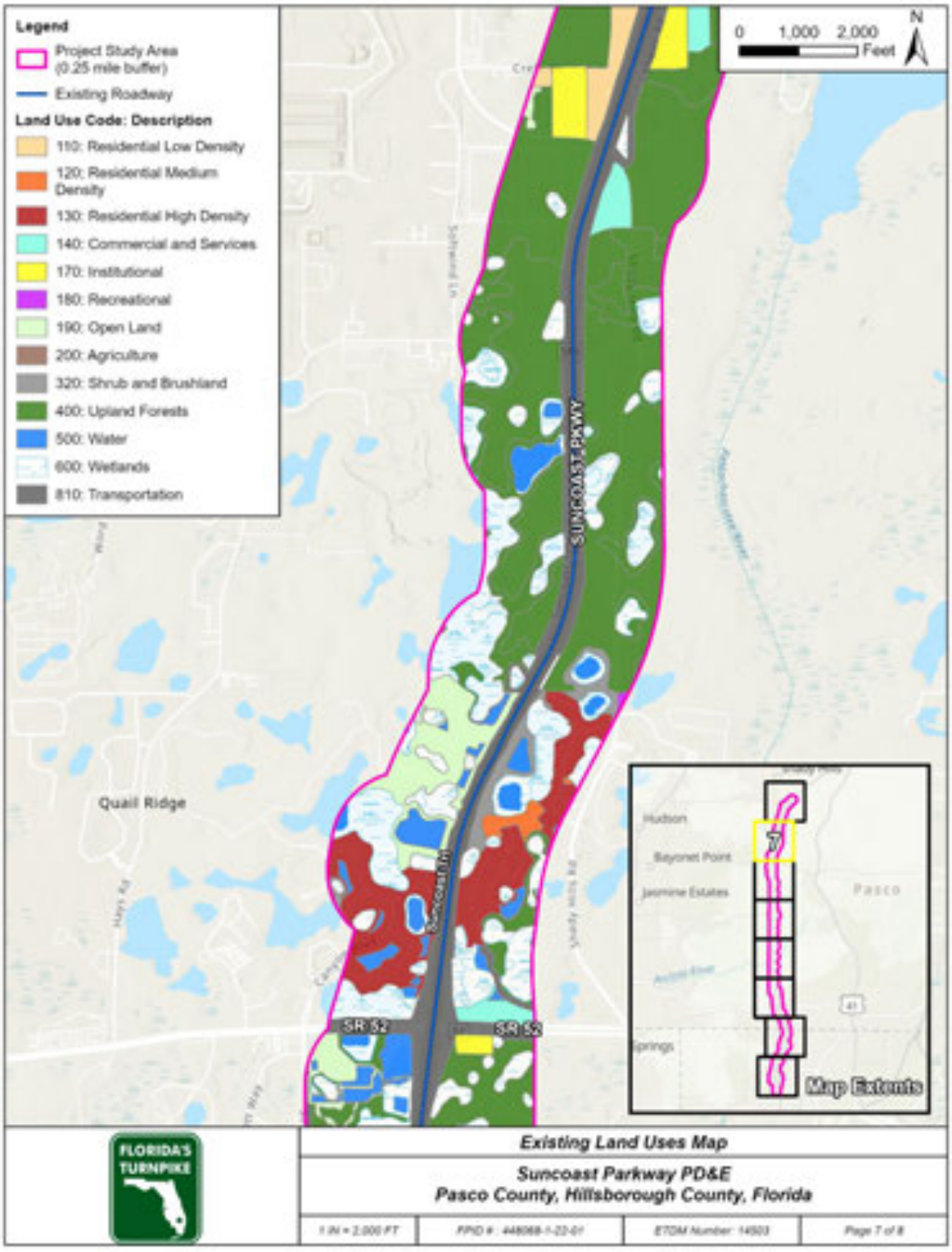
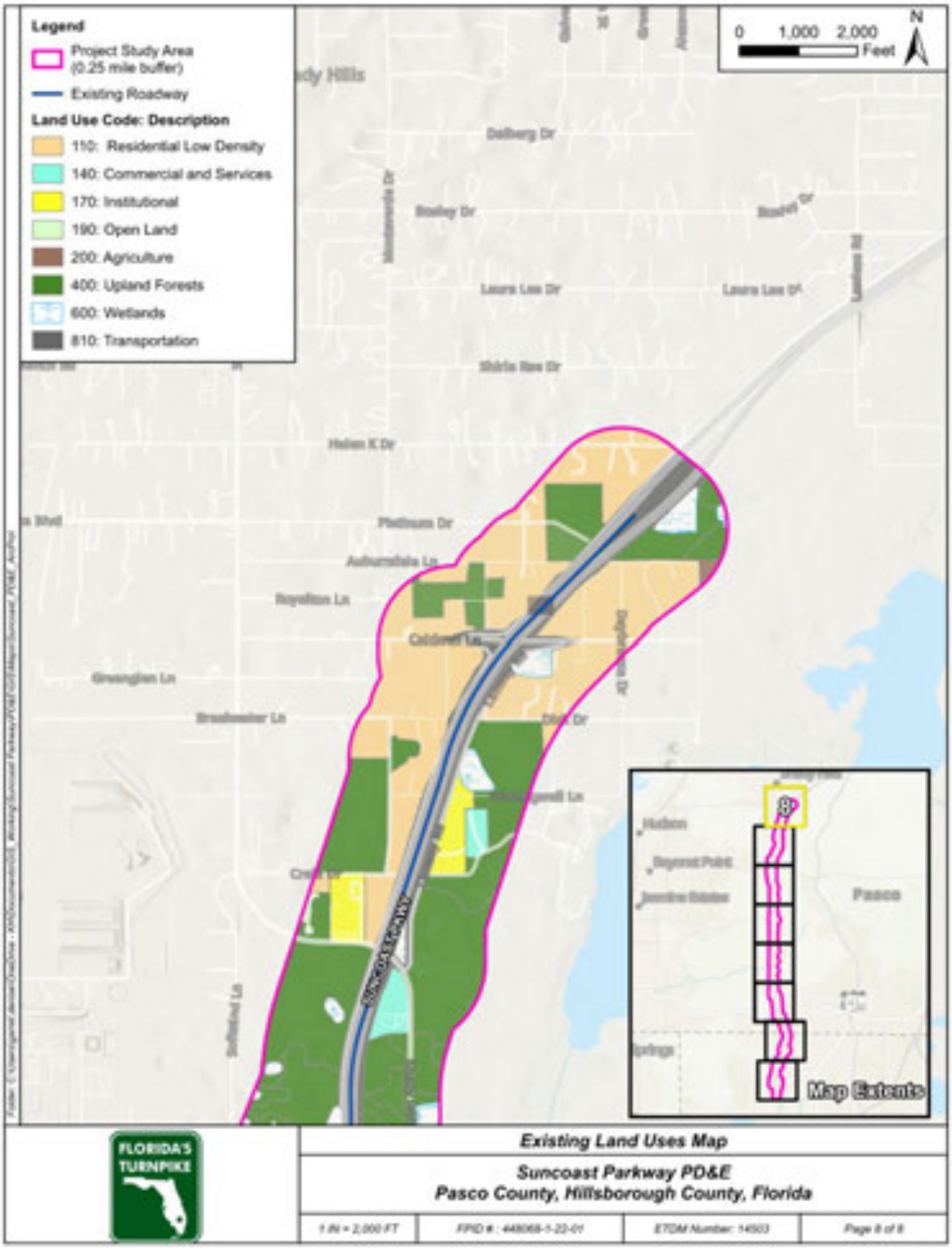


Figure 2-8: Existing Land Use Map (Continued)



2.2.6 Pavement Type and Condition

The FDOT Turnpike System Pavement Condition Forecast Report, dated August 29, 2025, was reviewed. The report provides a history of the pavement condition for the past 26 years. The pavement is rated for cracking and ride, both on a scale from 0 to 10 with 10 being the best. A rating of 6.4 or less for either cracking or ride is considered deficient. Based on the 2025 survey, there are no deficient sections within the project (all above a 6.4 for cracking and ride). However, the forecast report estimates that most segments of the project will be deficient for cracking by 2030.

2.2.7 Existing Design and Posted Speed

The posted and design speed for the Suncoast Parkway mainline is 60 mph from approximately MP 13 to MP 17 and 70 mph from MP 17 to MP 29. **Table 2-8** summarizes the design and posted speeds for all facilities including ramps. The design and posted speeds were obtained from as-built plans in conjunction with field reviews. The minimum design speed for the Suncoast Parkway is 70 mph per the FDOT Design Manual (FDM) Table 201.5.1, and the American Association of State Highway and Transportation Officials (AASHTO) A Policy on Design Standards Interstate System (2008) Ed. 7. Based on these criteria, the segment from MP 13 to 17 does not meet the design speed standard for this type of facility.

Table 2-8: Summary of Design and Posted Speeds

Roadway	Description	Posted Speed (miles per hour (mph)	Design Speed (mph)
Suncoast Parkway	Milepost (MP) 13 to MP 17	60	60
Suncoast Parkway	MP 17 to MP 29	70	70
Van Dyke Road Interchange			
Ramp A	SB On-Ramp (Van Dyke Rd) to Suncoast Pkwy (SR 589)	45	45-50
Ramp B	NB Off-Ramp (SR 589) to Van Dyke Rd	40	45-50
Ramp C	NB On-Ramp (Van Dyke Rd) to Suncoast Pkwy (SR 589)	45	45-50
Ramp D	SB Off-Ramp (SR 589) to Van Dyke Rd	45	45-50
Lutz Lake Fern Road Interchange			
Ramp A	SB On-Ramp (W Lutz Lake Fern Rd) to Suncoast Pkwy (SR 589)	30	30-45
Ramp B	SB Off-Ramp (SR 589) to W Lutz Lake Fern Rd	45	45-60
Ramp C	NB Off-Ramp Suncoast Pkwy (SR 589) to W Lutz Lake Fern Rd	30	30-45
Ramp D	NB On-Ramp W Lutz Lake Fern Rd to Suncoast Pkwy (SR 589)	45	45-60
SR 54 Interchange			
Ramp A	SB On-Ramp SR 54 to (589)	55	45-50
Ramp B	NB Off-Ramp (589) to SR 54	50	50
Ramp C	NB On-Ramp SR 54 to (589)	55	50
Ramp D	SB Off-Ramp (589) to SR 54	50	50
Ridge Road Interchange			
Ramp A	SB On-Ramp Rangeland to (589)	45	25-50
Ramp B	NB Off-Ramp (589) to Rangeland	45	30-50
Ramp C	NB On-Ramp Rangeland to (589)	45	45-50
Ramp D	SB Off-Ramp (589) to Rangeland	45	25-40

Roadway	Description	Posted Speed (miles per hour (mph)	Design Speed (mph)
SR 52 Interchange			
Ramp A	SB On-Ramp SR 52 to (589)	45	50
Ramp B	NB Off-Ramp (589) to SR 52	50	25-50
Ramp C	NB On-Ramp SR 52 to (589)	50	50
Ramp D	SB Off-Ramp (589) to SR 52	50	50

2.2.8 Horizontal Alignment

The existing horizontal alignment was determined from a review of available roadway plans and as-builts. **Table 2-9** summarizes the existing horizontal alignment of the Suncoast Parkway mainline.

Table 2-9: Existing Horizontal Alignment

Curve	PC Station	PT Station	Degree	Existing Horizontal Curve			As- Built Plan Source (FPID No.)
				Radius (feet)	Length (feet)	SE	
Suncoast Parkway (589)							
SB SUNCOAST-1	2378+78.89	2743+78.92	00˚52'36"	6536	500.03	0.027	429350-4-52-01
SB SUNCOAST-2	2743+78.92	2756+30.41	01˚07'24"	5100	1251.48	0.033	429350-4-52-01
CL2	1021+17.97	1051+54.08	01˚00'00"	5729.58	2786.12	0.03	429025-1-52-01
CL3	1079+22.37	1090+49.02	02˚00'00"	2864.79	676.65	0.03	429025-1-52-01
CL4	1125+32.66	1144+05.54	02˚15'00"	2546.48	1297.88	0.061	429025-1-52-01
NB5	1152+46.86	1167+42.10	02˚15'00"	2546.48	770.24	0.061	429025-1-52-01
SB5	1152+79.99	1167+75.23	02˚15'00"	2546.48	770.24	0.078	429025-1-52-01
CL6	1173+09.40	1199+98.19	01˚30'00"	3819.72	2288.79	0.054	429025-1-52-01
CL2	1021+17.97	1051+54.08	01˚00'00"	5729.58	2786.12	0.03	429025-1-52-01
CL7	1230+09.62	1248+38.04	01˚15'00"	4583.66	1828.42	0.046	444486-1
CL8	1255+27.63	1297+24.70	00˚45'00"	7639.44	4197.07	0.028	444486-1
CL1	1447+73.08	1472+27.69	00˚15'00"	22918.31	2454.61	NC	424792-1-52-01
CL2	1504+77.69	1523+41.08	00˚15'00"	22918.31	1863.39	NC	424792-1-52-01
CL3	1523+41.08	1550+00.00	00˚15'00"	22918.31	2658.92	NC	424792-1-52-01
CL4	1584+51.14	1596+01.83	00˚10'00"	34377.47	1150.69	NC	424792-1-52-01
BL-1	1923+00.00	1941+12.01	01˚15'00"	4583.66	1812.01	0.046	258956-1-52-01
BL-2	1951+53.16	1966+24.15	02˚00'00"	2864.79	1470.99	-	258956-1-52-01
BL-3	2018+03.26	2038+76.73	01˚00'00"	5729.58	2073.47	0.037	258956-1-52-01
Van Dyke Road Interchange							
Ramp A1-1	137+89.04	148+90.00	02°15'00"	2546.48	1100.96	0.045	258927-1-52-01
Ramp A2-1	238+52.43	244+96.88	03°00'00"	1909.86	644.44	0.048	258927-1-52-01
Ramp A3-1	312+88.88	316+37.57	02°00'00"	2865	348.69	0.034	429350-4-52-01

Curve	PC Station	PT Station	Degree	Existing Horizontal Curve			As- Built Plan Source (FPID No.)
				Radius (feet)	Length (feet)	SE	
Ramp A3-2	320+21.90	324+95.96	01°59'22"	2880	474.06	0.034	429350-4-52-01
Ramp A4-1	416+53.67	425+20.38	02°30'00"	2292	866.71	0.041	429350-4-52-01
Lutz Lake Fern Road Interchange							
Ramp B1-1	134+00.50	136+36.12	38°11'50"	150.00	235.62	0.070	429025-1-52-01
Ramp B1-2	138+81.12	144+12.95	09°30'00"	603.11	531.83	0.100	429025-1-52-01
Ramp B1-3	147+90.06	160+52.11	05°15'00"	1091.35	1262.05	0.086	429025-1-52-01
Ramp B2-1	238+63.25	243+28.96	03°00'00"	1909.86	465.71	0.025	429025-1-52-01
Ramp B2-2	254+29.23	265+07.84	00°45'00"	7639.44	1078.61	0.028	429025-1-52-01
Ramp B3-1	341+77.44	348+93.66	22°55'06"	250.00	441.22	0.100	429025-1-52-01
Ramp B4-1	443+55.54	453+77.45	17°21'44"	330.00	771.91	0.093	429025-1-52-01
Ramp B4-2	455+52.25	457+87.87	38°11'50"	150.00	235.62	0.07	429025-1-52-01
Ramp C3-1	344+50.85	351+35.17	01°45'00"	3274.04	684.32	0.036	444486-1
Ramp C3-2	353+62.97	357+49.00	02°00'00"	2864.79	386.04	0.034	444486-1
Ramp C4-1	440+59.73	445+97.60	00°45'00"	7639.44	537.87	VARIES	444486-1
Ramp C4-2	449+11.94	452+66.01	00°30'00"	11459.16	354.07	NC	444486-1
Ramp C1-1	179+43.58	189+14.51	01°45'00"	3274.05	970.94	0.036	444486-1
SR 54 Interchange							
Ramp C1-1	179+43.58	189+14.51	01°45'00"	3274.05	970.94	0.036	444486-1
Ramp C2-1	274+78.28	280+14.42	01°30'00"	3819.7	536.14	0.031	444486-1
Ramp C2-2	288+84.96	293+45.79	00°50'02"	6870	460.83	0.028	444486-1
Ramp C3-1	344+50.85	351+35.17	01°45'00"	3274.04	684.32	0.036	444486-1
Ramp C3-2	353+62.97	357+49.00	02°00'00"	2864.79	386.04	0.034	444486-1
Ramp C4-1	440+59.73	445+97.60	00°45'00"	7639.44	537.87	VARIES	444486-1
Ramp C4-2	449+11.94	452+66.01	00°30'00"	11459.16	354.07	NC	444486-1
Ramp C1-1	179+43.58	189+14.51	01°45'00"	3274.05	970.94	0.036	444486-1

Curve	PC Station	PT Station	Degree	Existing Horizontal Curve			As- Built Plan Source (FPID No.)
				Radius (feet)	Length (feet)	SE	
SR 52 Interchange							
Ramp E-1	107+43.17	117+04.74	01˚00'00"	5729.58	961.57	0.030	258956-1-52-01
Ramp E-2	207+35.13	215+34.97	00˚45'00"	7639.44	799.84	0.030	258956-1-52-01
Ramp E-3	306+00.07	314+45.63	01˚00'00"	5729.58	845.55	0.030	258956-1-52-01
Ramp E-4	405+26.88	412+56.05	00˚45'00"	7639.44	729.18	0.030	258956-1-52-01

2.2.9 Vertical Alignment

The existing vertical alignment was determined from a review of available existing roadway plans and as-builts. **Table 2-10** summarizes the existing vertical alignment of the Suncoast Parkway mainline.

Table 2-10: Existing Vertical Alignment

PVC Station	PVT Station	Crest or Sag	A (%)	Max G (%)	Length (ft)	K- Value	As- Built Plan Source (FPID No.)
Van Dyke Road							
1019+70.00	1037+70.00	Crest	5.225	-2.699	1800	344	258927-1-52-01
From Van Dyke Road to Ramblewood Road							
1037+70.00	1045+70.00	Sag	2.820	-2.699	800	283	258927-1-52-01
1066+70.00	1074+70.00	Sag	2.296	2.417	800	348	258927-1-52-01
Ramblewood Road							
1074+70.00	1090+71.00	Crest	4.715	2.417	1600	339	258927-1-52-01
From Ramblewood Road to TPC Blvd							
1092+20.00	1100+20.00	Sag	3.906	-2.298	800	204	258927-1-52-01
TPC Blvd							
1107+80.00	1118+80.00	Crest	3.455	-1.847	1100	318	258927-1-52-01
From TPC Blvd to Lutz Lake Fern Road							
1119+80.00	1127+80.00	Sag	4.077	2.230	800	196	258927-1-52-01
Lutz Lake Fern Road							
1127+80.00	1145+83.92	Crest	4.841	-2.611	1800	371	258927-1-52-01
From Lutz Lake Fern Road to South Branch Anclote River							
1145+83.92	1153+83.92	Sag	2.561	-2.611	800	313	258927-1-52-01
1145+83.92	1154+45.77	Sag	2.543	-2.611	800	314	258927-1-52-01
1184+00.00	1194+00.00	Crest	0.220	-0.170	1000	4539	258927-1-52-01
1209+00.00	1217+00.00	Sag	1.104	0.934	800	725	258954-1-52-01
South Branch Anclote River							
1217+00.00	1227+00.00	Crest	1.616	0.934	1000	619	258954-1-52-01
From South Branch Anclote River to SR 54							
1230+00.00	1238+00.00	Sag	0.725	-0.682	800	1103	258954-1-52-01
1248+05.00	1256+05.00	Sag	2.141	2.184	800	373	258954-1-52-01
SR 54							
1256+05.00	1278+55.00	Crest	4.394	-2.21	2250	512	258954-1-52-01
From SR 54 to Sandy Branch							
1280+18.00	1288+18.00	Sag	2.117	-2.21	800	378	258954-1-52-01
1395+50.00	1400+50.00	Sag	0.900	0.9	500	555	258955-1-52-01
Sandy Branch							
1402+00.00	1412+00.00	Crest	1.8	0.900	1000	555	258955-1-52-01
From Sandy Branch to Anclote River							
1413+50.00	1418+50.00	Sag	0.9	-0.900	500	555	258955-1-52-01
1475+00.00	1479+00.00	Sag	0.5	0.500	400	800	258955-1-52-01
Anclote River							
1489+00.00	1494+00.00	Crest	0.953	0.500	500	525	258955-1-52-01
From Anclote River to Ridge Road							

PVC Station	PVT Station	Crest or Sag	A (%)	Max G (%)	Length (ft)	K- Value	As- Built Plan Source (FPID No.)
1507+50.00	1511+50.00	Sag	0.453	-0.453	400	883	258955-1-52-01
1513+00.00	1517+00.00	Sag	0.5	0.500	400	800	258955-1-52-01
1518+00.00	1523+00.00	Crest	0.5	0.500	500	1000	258955-1-52-01
1546+15.00	1550+15.00	Sag	0.773	0.773	400	517	258955-1-52-01
1553+00.00	1557+00.00	Sag	0.776	-0.776	400	515	258955-1-52-01
1610+00.00	1614+00.00	Sag	0.444	0.444	400	901	258955-1-52-01
1614+00.00	1617+00.00	Crest	0.444	-0.444	500	1126	258955-1-52-01
1623+00.00	1627+00.00	Sag	0.5	0.500	400	800	258955-1-52-01
1631+50.00	1636+50.00	Crest	0.5	0.500	500	1000	258955-1-52-01
Ridge Road							
1805+87.00	1825+87.00	Crest	5	2.500	2000	400	97140-3302
From Ridge Road to Five Mile Creek							
1814+50.00	1819+50.00	Crest	0.154	-0.154	500	3247	258956-1-52-01
1828+00.00	1832+00.00	Sag	0.217	-0.154	400	1843	258956-1-52-01
1844+00.00	1848+00.00	Sag	0.937	1.000	400	427	258956-1-52-01
Five Mile Creek							
1848+00.00	1858+00.00	Crest	2	1.000	1000	500	258956-1-52-01
From Five Mile Creek to Pithlachascotee River							
1858+00.00	1862+00.00	Sag	0.6	-1.000	400	667	258956-1-52-01
1868+00.00	1872+00.00	Sag	0.733	-0.400	400	546	258956-1-52-01
1876+50.00	1881+50.00	Crest	0.555	0.333	500	901	258956-1-52-01
1886+00.00	1890+00.00	Sag	0.281	-0.222	400	1423	258956-1-52-01
1902+50.00	1907+50.00	Sag	0.941	1.000	500	531	258956-1-52-01
Pithlachascotee River							
1907+50.00	1917+50.00	Crest	2	1.000	1000	500	258956-1-52-01
From Pithlachascotee River to SR 52							
1917+50.00	1922+50.00	Sag	1.181	-1.000	500	423	258956-1-52-01
1918+50.00	1923+50.00	Sag	1.181	-1.000	500	423	258956-1-52-01
1938+50.00	1943+50.00	Crest	0.681	0.500	500	734	258956-1-52-01
1940+25.00	1945+25.00	Crest	0.681	0.500	500	734	258956-1-52-01
1948+00.00	3952+00.00	Sag	0.574	-0.500	400	697	258956-1-52-01
3951+00.00	3955+00.00	Sag	0.574	-0.500	400	697	258956-1-52-01
1977+50.00	1982+50.00	Sag	2.574	2.500	500	194	258956-1-52-01
SR 52							
1983+80.00	2003+80.00	Crest	5	2.500	2000	400	258956-1-52-01
From SR 52 to End of Project							
2003+80.00	2008+80.00	Sag	2.401	2.500	500	208	258956-1-52-01
2020+00.00	2024+00.00	Sag	0.17	-0.099	400	2353	258956-1-52-01
2040+50.00	2045+50.00	Crest	0.071	0.071	500	7042	258956-1-52-01

2.2.10 Multi-modal Facilities

Pedestrian Accommodations

Suncoast Parkway, as a limited access facility, is statutorily exempt from providing bicycle or pedestrian facilities. The Suncoast Trail is located on the west side of the Suncoast Parkway. The Suncoast Trail is a 12-foot-wide paved multi-use trail that extends through Hillsborough, Pasco, and Hernando counties. Within the project limits, the Suncoast Trail begins at Lutz Lake Fern Road and continues beyond the end of the project limit.

Pedestrian and bicycle facilities can also be found on the cross streets within the study area. **Table 2-11** summarizes the pedestrian and bicycle facilities on the cross streets.

Table 2-11: Existing Pedestrian and Bicycle Facilities

Cross Streets	Pedestrian Facility	Bicycle Facility
Van Dyke Road	No	No
Lutz Lake Fern Road	Yes	Yes
SR 54	Yes	Yes
Ridge Road	Yes	No
SR 52	Yes	Yes

Transit Facilities

Transit services are not present along the Suncoast Parkway. However, transit options are provided along several of the local roadways that crosses Suncoast Parkway and along local roadways adjacent to the project corridor. A complete list of the local roadways within the project limits that provides transit service, and their routes are shown in **Table 2-12**.

Table 2-12: Existing Transit Facilities

Road	Existing Bus Route	Bus Company	Route Number
Van Dyke Road	No	-	-
Lutz Lake Fern Road	No	-	-
SR 54	Yes	GoPasco	54
Rangeland Boulevard	No	-	-
Ridge Road	No	-	-
SR 52	No	-	-

2.2.11 Intersections

There are five existing interchanges located within the study limits. These interchanges include Van Dyke Road, Lutz Lake Fern Road, SR 54, Ridge Road, and SR 52. Each of these interchanges distributes traffic east and west throughout Hillsborough and Pasco counties, respectively.

There are 14 signalized and five unsignalized intersections within the study area. The signalized and unsignalized intersections within the study area are described below.

Intersections along Van Dyke Rd (MP 14)

- Lake Carlton Dr (*signalized*)
- SR 589 Northbound Ramps (*signalized*)
- SR 589 Southbound Ramps (*signalized*)
- Tobacco Rd/St Angelo Dr (*unsignalized*)
- Van Dyke Farms Blvd (*unsignalized*)

Intersections along W Lutz Lake Fern Rd (MP 16)

- Steinbrenner High School Entrance (signalized)
- SR 589 Northbound Ramps (signalized)
- SR 589 Southbound Ramps (signalized)

Intersections along SR 54 (MP 19)

- Northpointe Pkwy/Bexley Village Dr (signalized)
- SR 589 Northbound Ramps (signalized)

- SR 589 Southbound Ramps (signalized)
- Crossings Blvd/Touchpoint Dr (signalized)
- S Branch Blvd (signalized)

Intersections along Ridge Rd (MP 24)

- SR 589 Northbound Ramps (unsignalized)
- SR 589 Southbound Ramps (unsignalized)

Intersections along SR 52 (MP 27)

- Deerbrook Blvd (unsignalized)
- SR 589 Northbound Ramps (signalized)
- SR 589 Southbound Ramps (signalized)
- Silver Palm Blvd/Canyon Blvd (signalized)

2.2.12 Physical or Operational Restrictions

There are no physical or operational restrictions such as multimodal use lanes, parking, or fixed objects. Barrier walls exist throughout the corridor to protect bridge piers, separate traffic streams, and at-grade separations (bridges and elevated ramps). Roadway guardrails exist at various locations throughout the corridor.

2.2.13 Traffic Data

A traffic analysis was completed as part of this study and is documented under a separate cover in the Project Traffic Forecast Memorandum (PTFM). The PTFM was prepared to document the existing and future traffic conditions for the project study area. The existing Annual Average Daily Traffic (AADT) volume for both the Suncoast Parkway mainline and the tolled ramps within the study limits are summarized in **Table 2-13.**

Table 2-13: 2023 (Existing) Annual Average Daily Traffic (AADT) and Directional Design Hour Volumes

Interchange	SR 589	2023				
		AADT	AM - DDHV		PM - DDHV	
			SB	NB	SB	NB
		28,300	1,720	1,070	1,430	1,840
SR 52		5,300	210	240	240	210
		18,000	1,130	540	640	1,130
		41,000	2,640	1,370	1,830	2,760
Ridge Rd		2,200	240	170	170	240
		3,900	500	280	280	500
Andote AET Toll Gantry		42,700	2,900	1,480	1,940	3,020
SR 54		12,800	890	650	650	790
		24,800	1,440	790	790	1,340
		54,700	3,450	1,620	2,080	3,570
W Lutz Lake Fern Rd		3,300	370	190	190	370
		5,400	530	460	310	330
		56,800	3,610	1,890	2,200	3,530
Van Dyke Rd		6,900	460	460	360	510
		7,100	470	190	280	470
		57,000	3,620	1,620	2,120	3,490

Note: Values in RED indicate PEAK direction and values in BLUE indicate OFF-PEAK direction
Bold: Mainline AADT, Non-Bold: Ramp AADT

2.2.14 Roadway Operational Conditions

The SR 589 mainline segments (basic and merge/diverge influence areas) within the study limits were evaluated in each direction using HCS 2023 facility module. The LOS target for SR 589 during peak travel hours is D (urban area), per the State Highway System Policy No. 000-525-006c, effective April 19, 2017. Most of the freeway segments in both directions currently operate at LOS D or better during both the AM and PM peak hours except basic and diverge segments between Lutz Lake Fern Road and Van Dyke Road in the southbound direction during the AM peak which operate at LOS E.

2.2.15 Managed Lanes

There are no managed lanes located within the project limits.

2.2.16 Crash Data

Crash data for state roads within the project Area of Influence (AOI) were processed using the most recent five-year data from FDOT's Crash Analysis Reporting System (CARS) from 2018 through 2022. Crash data for non-state roads were obtained from the Signal Four Analytics tool, an FDOT-funded database developed in coordination with the state's CARS. Signal Four data were processed for the same period as the CARS data. Detailed crash reports (long/short forms) were reviewed to verify the accuracy of the information obtained from the database.

A total of 1,562 crashes were reported within the AOI during the five-year study period from 2018 through 2022, as presented in **Table 2-14**. The number of crashes in the study area increased each year except 2020 and 2022. Most of the crashes resulted in injury and property damage only. Eight fatal crashes were reported during the five-year analysis period.

Table 2-14: Number of Crashes and Crash Severity by Year

Crash Severity	2018	2019	2020	2021	2022	Total	Population
Fatality	2	1	1	2	2	8	1%
Injury	112	119	84	126	128	569	36%
Property Damage Only	199	207	147	233	199	985	63%
Total	**313**	**327**	**232**	**361**	**329**	**1,562**	**100%**

Table 2-15 summarizes the crashes based on location. Forty-two percent of the crashes occurred on SR 589 mainline, 5% along the SR 589 ramps, 6% along cross streets' midblock, and 46% at the intersections within the project AOI.

Table 2-15: Number of Crashes by Location

Roadway Element	2018	2019	2020	2021	2022	Total	Population
SR 589 Mainline	115	129	100	153	156	653	42%
SR 589 Ramps	18	16	11	25	12	82	5%
Midblock	29	17	10	24	21	101	6%
Intersections	151	165	111	159	140	726	46%
Total	**313**	**327**	**232**	**361**	**329**	**1,562**	**100%**

Figure 2-9 graphically depicts the crash density along the Suncoast Parkway mainline and at the interchanges within the study limits. **Figure 2-10** highlights the fatal crash locations for vehicles and **Figure 2-11** highlights the bicycle and pedestrian fatal crash locations.

Figure 2-9: Crash Density Heat Map (2018-2022)

Figure 2-10: Fatal Crash Locations

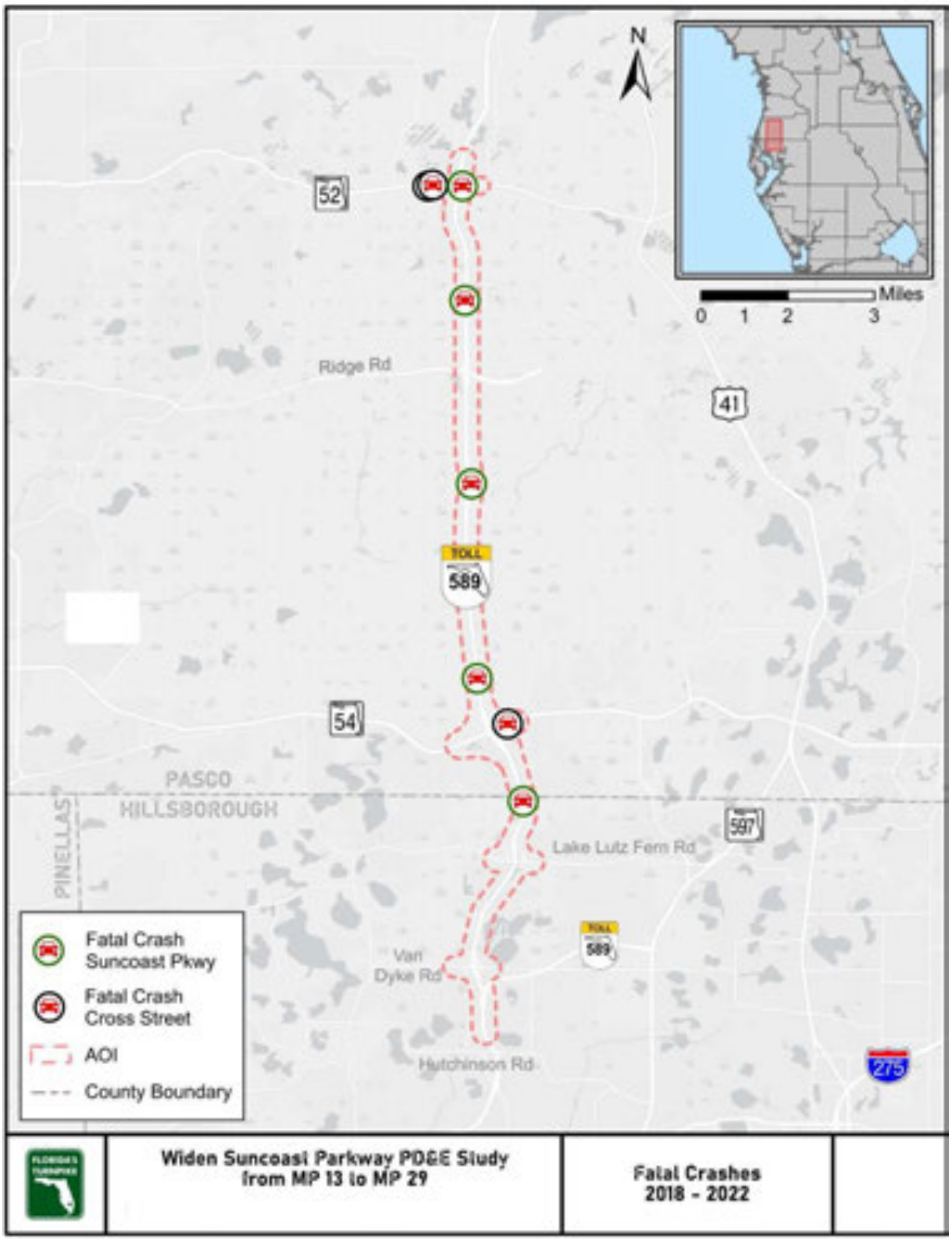
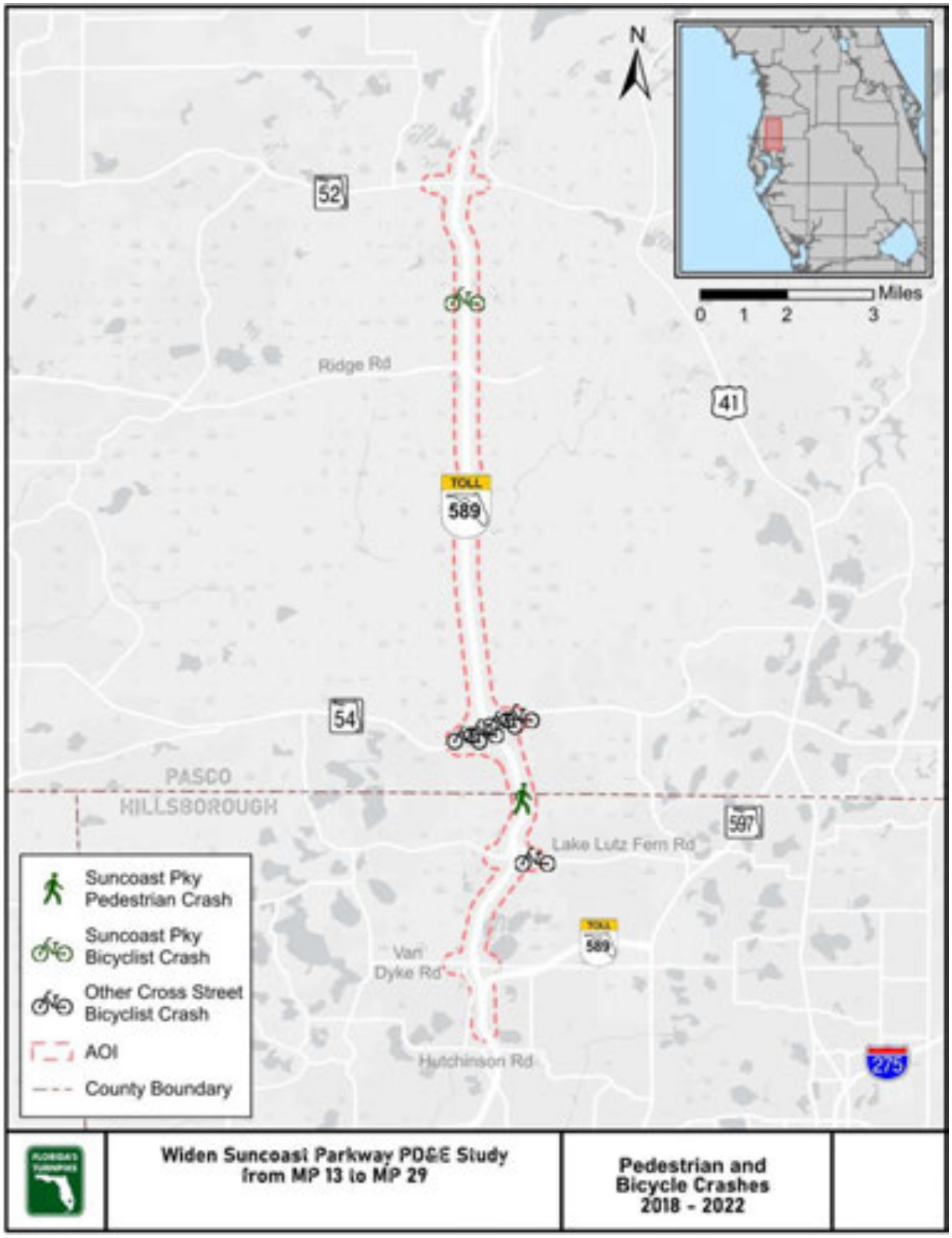


Figure 2-11: Bicycle and Pedestrian Fatality Locations

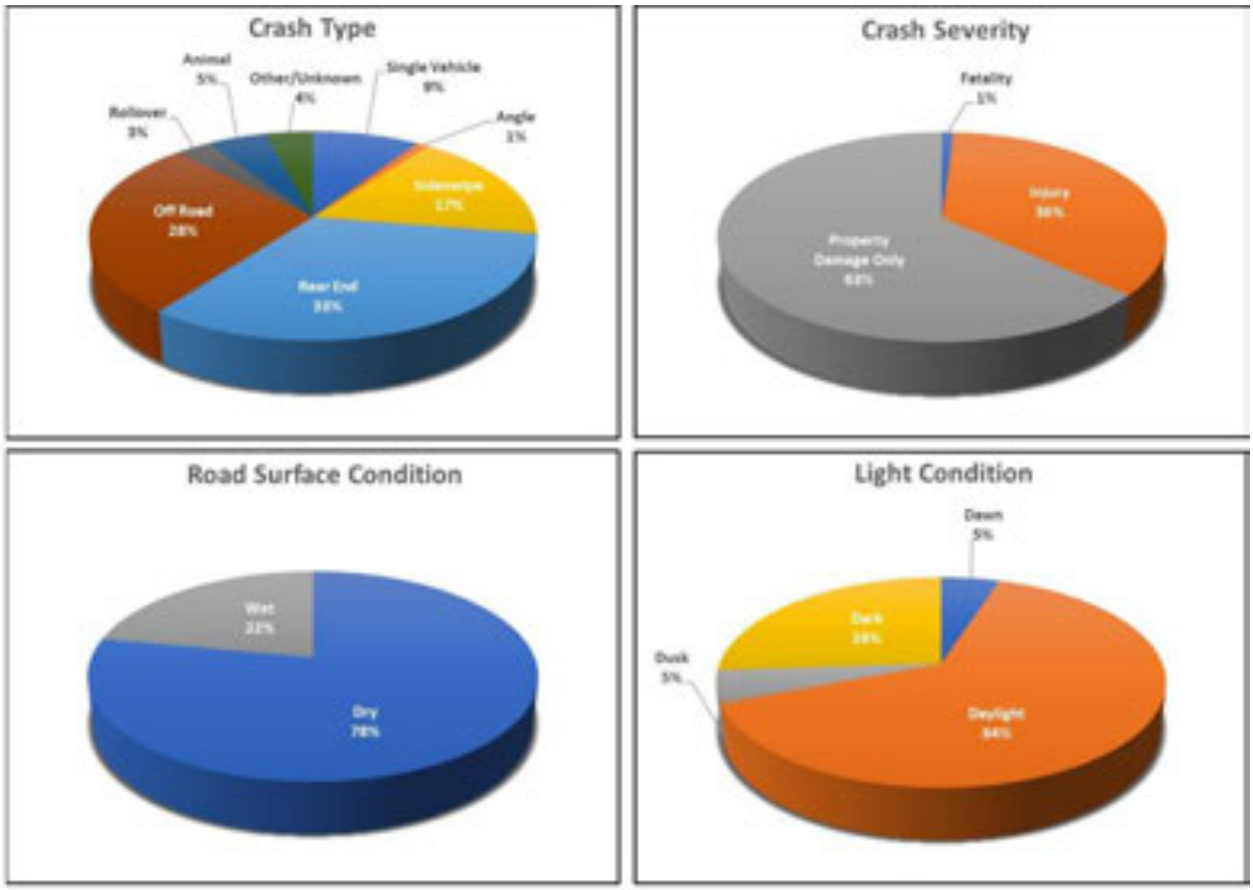


Mainline and Ramp Roadway Crashes

SR 589 Mainline Crashes (MP 13- MP 29)

A total of 653 crashes were reported along approximately 16 miles of SR 589 mainline from south of Van Dyke Rd to north of SR 52 during the five-year analysis period from 2018 through 2022. As shown in **Figure 2-12,** rear-end crashes (approximately 33%) were the prominent crash type at the interchange ramp terminal followed by off-road (approximately 28%). Reports indicated that approximately 78% of the crashes occurred during dry roadway conditions and approximately 64% crashes occurred during the AM and PM peak periods of daytime. Four fatal crashes were reported within the five-year study period due to rollover, off-road, pedestrian and bicycle crashes.

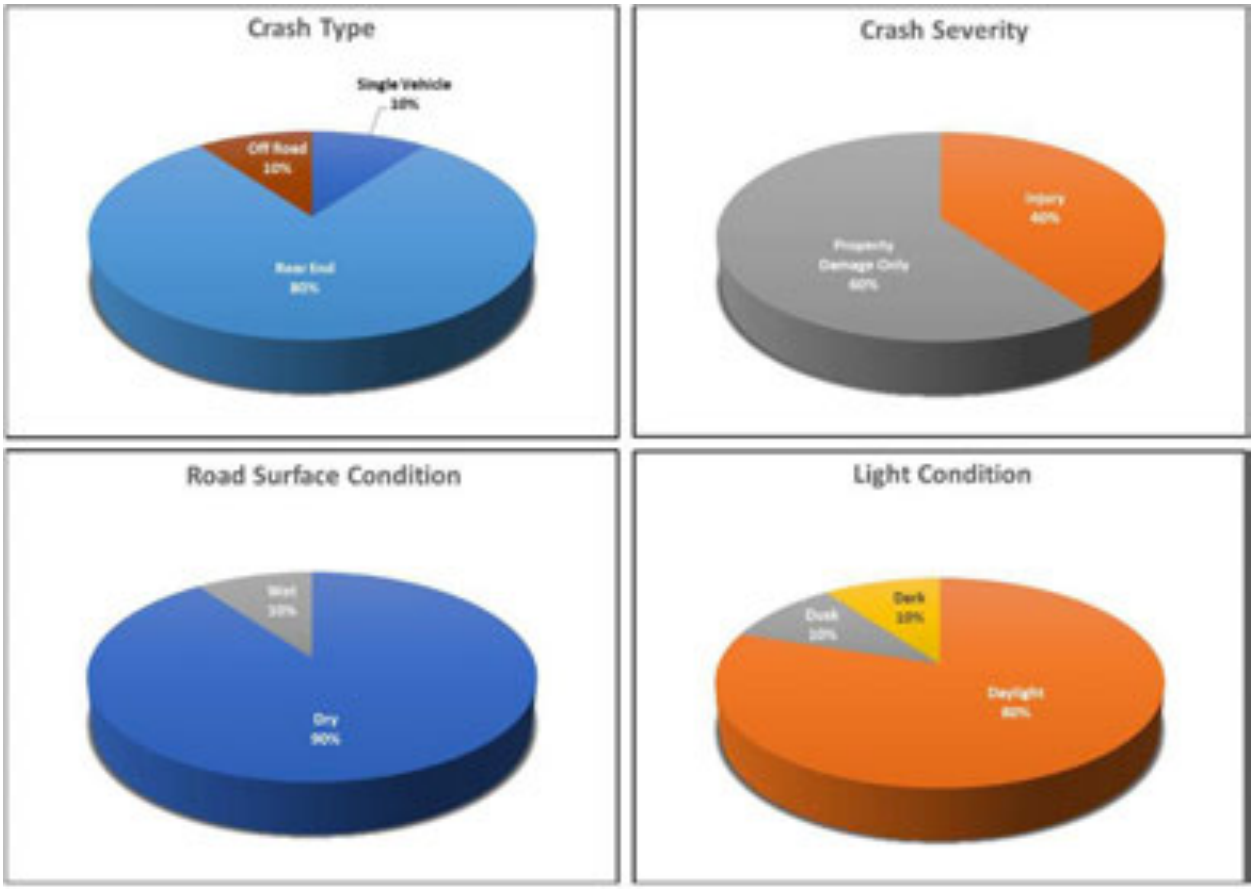
Figure 2-12: SR 589 Mainline Crashes



Van Dyke Road Interchanges Ramp Roadway Crashes (MP 14)

Van Dyke Road interchange ramps experienced a total of ten crashes during the five-year analysis period. As shown in **Figure 2-13**, rear end crashes (approximately 80%) were the most prominent crash type on the interchange ramps with 60% resulting in property damage. Reports indicated that approximately 90% of the crashes occurred during dry roadway conditions and approximately 80% crashes occurred during daylight hours.

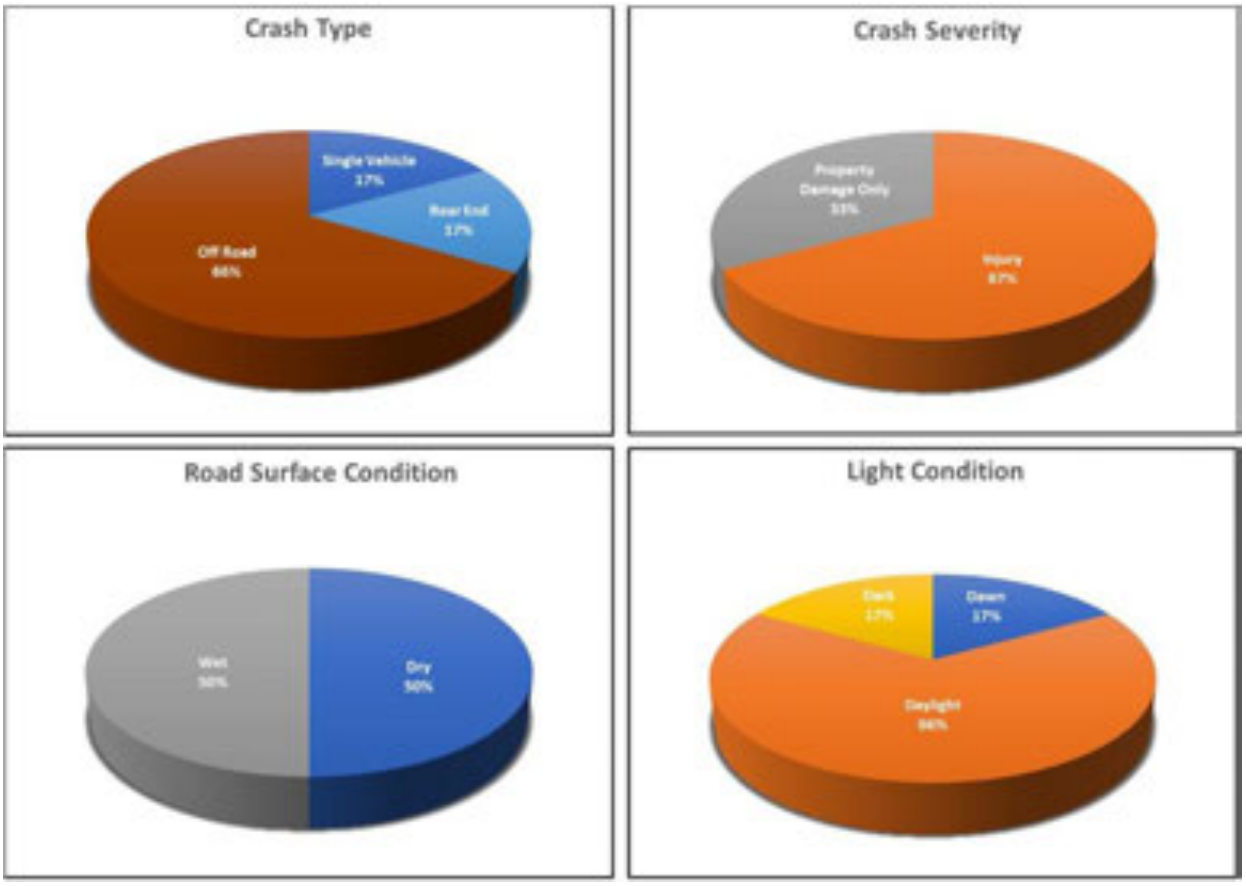
Figure 2-13: Van Dyke Road Interchange Ramp Roadway Crashes



Lutz Lake Fern Road Interchange Ramp Roadway Crashes (MP 16)

The Lutz Lake Fern Road interchange ramp terminal experienced a total of six crashes during the five-year analysis period. An estimated 67% of the total crashes resulted in injuries. As shown in **Figure 2-14**, off-road crashes (approximately 66%) were the prominent crash type at the interchange ramp terminal. Reports indicated that approximately 50% of the crashes occurred during dry roadway conditions and approximately 66% crashes occurred during daylight hours.

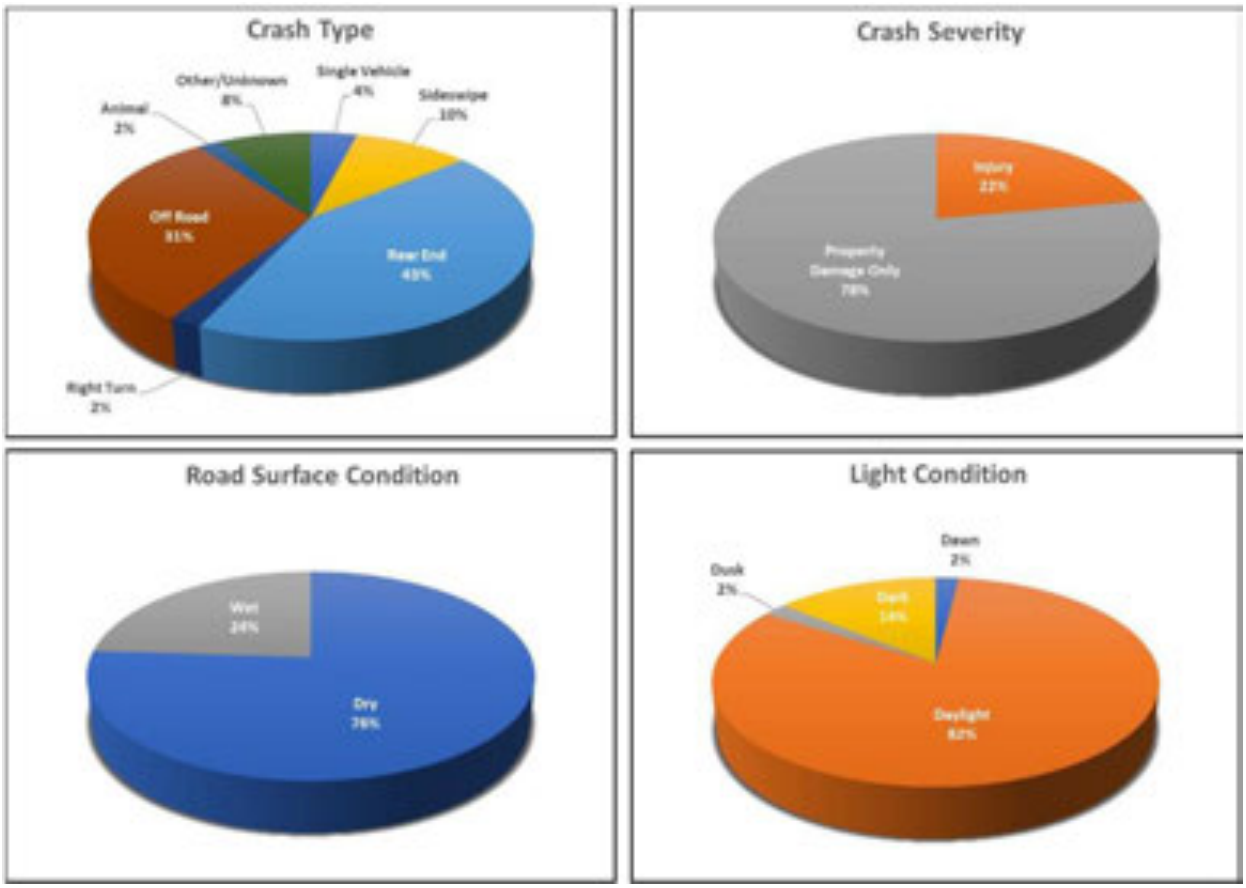
Figure 2-14: Lutz Lake Fern Road Interchange Ramp Roadway Crashes



SR 54 Interchange Ramp Roadway Crashes (MP 19)

The SR 54 interchange ramp terminals experienced a total of 51 crashes during the five-year analysis period. No fatal crashes were reported during the study period. As shown in **Figure 2-15,** rear-end crashes (approximately 43%) and off-road (approximately 31%) were the prominent crash type on the interchange ramps. Reports indicated that approximately 76% of the crashes occurred during dry roadway conditions and approximately 82% crashes occurred during daylight hours.

Figure 2-15: SR 54 Interchange Ramp Roadway Crashes



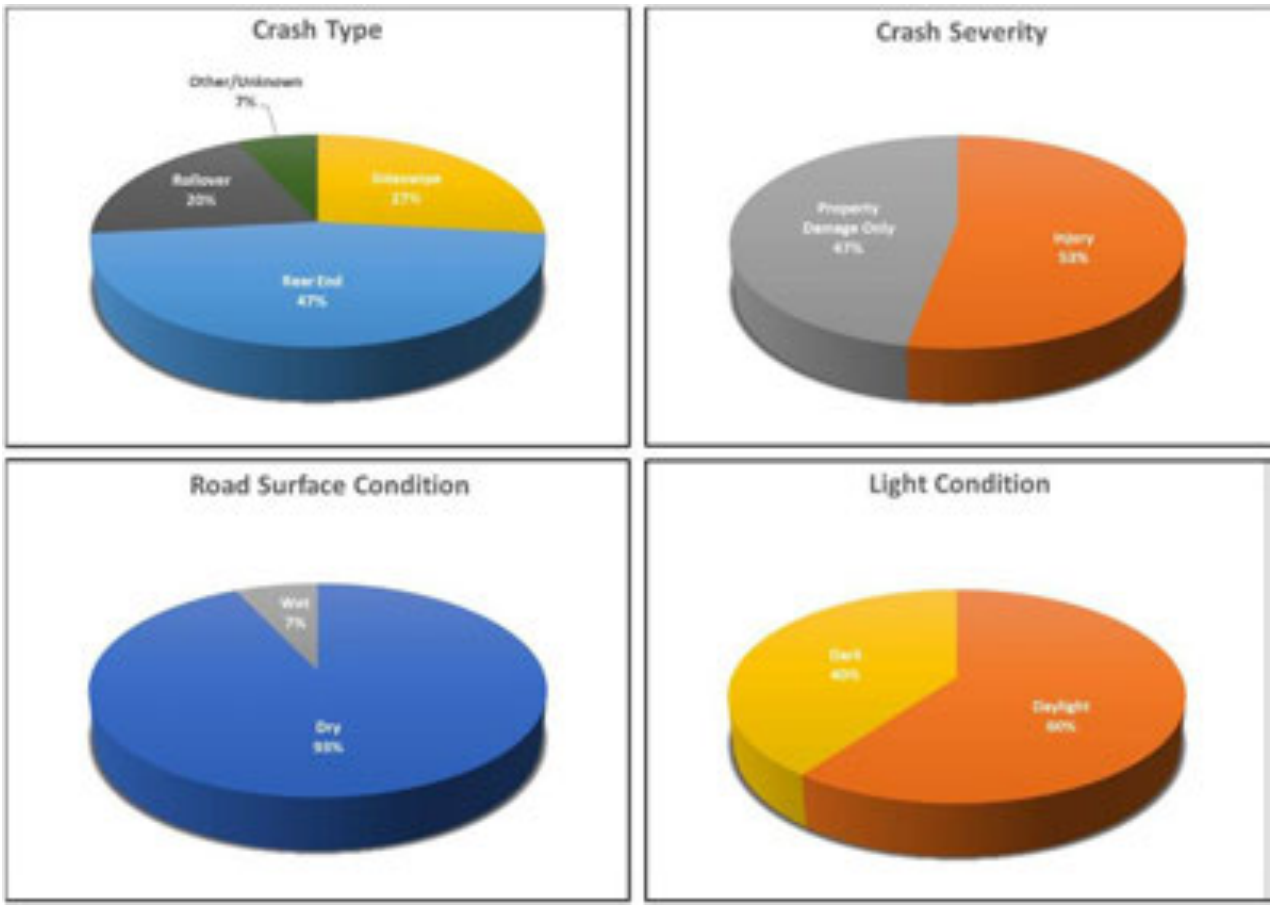
Ridge Road Interchange Ramp Roadway Crashes (MP 24)

No crashes were reported at the Ridge Road interchange ramps since the interchange opened to traffic in 2022.

SR 52 Interchange Ramp Roadway Crashes (MP 27)

The SR 52 interchange ramps experienced a total of 15 crashes during the five-year analysis period. No fatal crashes were reported during the study period. An estimated 53% of the total crashes resulted in injury. As shown in **Figure 2-16**, rear end crashes (approximately 47%) were the prominent crash type on the interchange ramps. Reports indicated that approximately 93% of the crashes occurred during dry roadway conditions and approximately 60% of the crashes occurred during daylight hours.

Figure 2-16: SR 52 Interchange Ramp Roadway Crashes



2.2.17 Railroad Crossings

There are no railroad crossings within or immediately adjacent to the project study limits.

2.2.18 Drainage

There are thirty-six existing basins within the project limits. Each basin is equipped with a stormwater management system to attenuate and treat runoff. Drainage and capacity analysis conducted under this PD&E Study indicates that the existing stormwater management system includes surplus storage. There are no offsite areas contributing to the drainage basins. This project is under the juristiction of Southwest Florida Water Management District (SWFWMD).

Existing Basins 1A-9 are located in the Northwest Five Watershed and are considered to be open basins. Rocky Creek (Upper Segment) (WBID 1463) is impaired for dissolved oxygen; however, no nutrient impairments were identified. Rocky Creek (Upper Segment) drains to Old Tampa Bay (WBID 1558I). The ultimate outfall is Old Tampa Bay which is within Pinellas County Aquatic Preserve.

Existing Basins 10-24 are located in the Anclote East watershed and are considered to be open basins. South Branch Anclote River (WBID 1456) and Anclote Anchorage (WBID 8045C) are not impaired waterbodies, and no nutrient impairments were identified. South Branch Anclote River

drains to Anclote River Tidal (WBID 1440). The ultimate outfall is Anclote Anchorage, which is within Pinellas County Aquatic Preserve.

Existing Basins 25-32 are located in the Pithlachascotee River/Bear Creek watershed and are considered open basins. Five Mile Creek (WBID 1434) and Pithlachascotee River (WBID 1409) watersheds are not impaired for nitrogen or phosphorus.

Existing basins are summarized in **Table 2-16**.

Table 2-16: Existing Basins Summary

Basin Number	From Station	To Station	Outfall Location	Open Basin?	Flood Zone(s) and BFE* if applicable	Watershed	SWFWMD Permit No.
1A	3000+00	3006+50	Pond 1A	Y	-	Northwest Five	7864
1B	3006+50	3025+00	Pond 1B	Y	-	Northwest Five	7864
1C	3006+50	3025+00	Pond 1C	Y	-	Northwest Five	7864
2	3009+00	3042+00	Pond 2	Y	-	Northwest Five	7864
3	3030+00	3042+00	Pond 3	Y	A	Northwest Five	7864
4	3042+00	3065+00	Pond 4	Y	A	Northwest Five	7864
5	3065+00	3094+00	Pond 5	Y	A	Northwest Five	16172
6	3094+00	3138+00	Pond 6	Y	A	Northwest Five	16172
7	3138+00	3170+00	Pond 7	Y	A	Northwest Five	16172
8	3162+00	3182+50	Pond 8	Y	-	Northwest Five	16172
9	3161+00	3209+50	Pond 9	Y	A	Northwest Five	16172
10	3209+50	3249+50	Pond 10	Y	AE (54.9’ to 58.3’)	Anclote East	15873
11	3249+50	3275+50	Pond 11	Y	AE (54.6’ to 55.3’)	Anclote East	15873
12	3272+00	3292+00	Pond 12	Y	AE (54.6’ to 54.7’)	Anclote East	15873
13	3274+00	3324+50	Pond 13	Y	A & AE (49.6’ to 55.3’)	Anclote East	15873
14	3324+50	3352+00	Pond 14	Y	AE (50.4’ to 52.3’)	Anclote East	15560
15	3352+00	3384+00	Pond 15	Y	A & AE (48.5’ to 52.3’)	Anclote East	15560
16	3384+00	3408+00	Pond 16	Y	A & AE (48.5’ to 52.2’)	Anclote East	15560
17	3408+00	3431+00	Pond 17	Y	AE (49.7’ to 52.5’)	Anclote East	15560

Basin Number	From Station	To Station	Outfall Location	Open Basin?	Flood Zone(s) and BFE* if applicable	Watershed	SWFWMD Permit No.
18	3431+00	3468+25	Pond 18	Y	AE (47.3' to 52.5')	Anclote East	15560
19	3468+25	3495+25	Pond 19	Y	AE (47.3' to 52.0')	Anclote East	15560
20	3495+25	3518+00	Pond 20	Y	AE (50.2' to 53.5')	Anclote East	15560
21	3511+90	3548+90	Pond 21	Y	AE (48.6' to 54.2')	Anclote East	15560
22	3538+00	3560+90	Pond 22	Y	AE (51.6' to 52.9')	Anclote East	15560
23	3560+90	3585+90	Pond 23	Y	AE (53.5' to 54.8')	Anclote East	15560
24	3585+90	3630+90	Pond 24	Y	AE (55.2' to 56.1')	Anclote East	15560
24B	3617+50	3644+00					18792
25	3616+00	3668+50	Pond 25	Y	A & AE (49.5')	Pithlachascotee River/Bear Creek	15753
25B	3616+00	3668+50					18792
26	3668+50	3694+25	Pond 26	Y	A	Pithlachascotee River/Bear Creek	15753
27	3694+25	3728+75	Pond 27	Y	A & AE (51.0')	Pithlachascotee River/Bear Creek	15753
28	3728+75	3755+25	Pond 28	Y	A	Pithlachascotee River/Bear Creek	15753
29	3755+25	3791+00	Pond 29	Y	A	Pithlachascotee River/Bear Creek	15753
30	3787+50	3809+00	Pond 30	Y	A	Pithlachascotee River/Bear Creek	15753
31	3802+50	3823+90	Pond 31	Y	A	Pithlachascotee River/Bear Creek	15753
32	3823+90	3866+90	Pond 32	Y	A	Pithlachascotee River/Bear Creek	15753

*All elevations use datum NAVD88.

2.2.19 Lighting

Information on the existing lighting was obtained from available as-built plans. Existing lighting is not continuous within the project limits. Between Van Dyke Road and Lutz Lake Fern Road, continuous 400-watt fixtures are provided in an opposite arrangement. Through the Suncoast Operations Center exit and entrance, corridor lighting continues with a mixture of 250-watt and 400-watt fixtures. Approximately half mile south of Ridge Road, newer mongoose-style LED fixtures are provided. Specific interchange lighting arrangement follows.

Van Dyke Road

Interchange lighting is powered by a 240/480v service. Fixtures are 400-watt high pressure sodium fixtures on frangible bases. The ramps are lit with 250-watt fixtures. Underdeck lighting on Van Dyke Road is mounted on the bridge pier caps. Existing lighting on Van Dyke Road is LED style fixtures mounted on utility poles.

Lutz Lake Fern Road

Interchange lighting is powered by a 240/480v service. The existing load center is located on the north side of Lutz Lake Fern Road near the northbound on ramp. Mainline lighting consists of 400-watt high pressure sodium fixtures arranges opposite each other. The partial cloverleaf ramps are lit with 250-watt fixtures. Underdeck lighting fixtures are mounted on the bridge pier caps. Underdeck lighting on Lutz Lake Fern Road is pendant mounted over the travel lane. Current FDM criteria would require wall mounted fixtures for easier maintenance. Lighting along Lutz Lake Fern Road is 400-watt style with frangible base mounted poles.

SR 54

As-built plans indicate that improvements to the south side of the interchange were installed under FPID 444486-1-52-01. A 240/480v service is provided by Duke Energy on the north side of the interchange. The existing load center is located on the north side of interchange between the Suncoast Parkway mainline and southbound off ramp. The lighting along the Suncoast Parkway mainline consists of 400-watt American Electric high pressure sodium fixtures mounted at 45’ with 15’ arms. Ramps in this area are served with 250-watt versions with 45’ mounting height and 12’ arms. Underdeck lighting is pendant mounted over the travel lane. Current FDM criteria would require wall mounted fixtures for easier maintenance. Lighting along SR 54 is mongoose-style high pressure sodium mounted on frangible bases. A photo of the existing load center and service point located within the study area at the SR 54 is shown in **Figure 2-17**.

Figure 2-17: Existing Load Center and Service Point on SR 54

Ridge Road

As-built plans indicate that mainline lighting through the interchange was constructed under FPID 258958-1-52-01 around 2020. Fixtures consists of Visionaire Bow LX Mongoose style LED fixtures. The fixtures wattages vary between 282-watts and 434-watts with a mounting height of 50'. A 240/480v service is provided Withlacoochee River Electric Cooperative (WREC). The existing load center is located on the north side of Ridge Road near the northbound on ramp. 53-watt Visionaire underdeck lighting mounted on the bridge pier caps is provided on Ridge Road. Lighting along Ridge Road is 434-watt mongoose-style LED fixtures mounted on frangible bases. A photo of the existing load center is shown in **Figure 2-18**.

Figure 2-18: Ridge Road Load Center

SR 52

Mainline lighting through the interchange is 400-watt high pressure sodium fixtures with ramps being lit by 250-watt fixtures. As-built plans indicate that lighting improvements along SR 52 were constructed around 2019 under FPID 256323-1-52-01. Lighting assemblies near Suncoast parkway interchange consist of 279-watt Copper Navion fixtures mounted at 45' with 15' arms. Plans indicate a mixture of new LED assemblies installed to supplement existing WREC maintained fixtures. The lighting along SR 52 within the interchange limits is fed by a 240/480v load center located approximately three-quarter mile west of the interchange near Shady Hills Road (see photo below). Pendant style underdeck lighting was retrofit from high pressure sodium to LED. A photo of the existing load center is shown in **Figure 2-19.**

Figure 2-19: SR 52 Load Center

2.2.20 Utilities

A Utility Assessment Report was prepared for this project and provides relevant information regarding the existing location, size, type, and characteristics of public and private utilities located within and adjacent to the project corridor. As part of the PD&E study, the utility agencies/owners (UAOs) were contacted to acquire this information.

A Sunshine State One Call design ticket was obtained to ascertain the initial list of UAOs within the study area for this project. Existing utility facilities include power, gas, water, and communications. The existing UAOs, the identified UAO contacts, and facility types are summarized in **Table 2-17**.

Additional information on the coordination with the UAO within the project area is documented in the *Utility Assessment Report* prepared for this project.

Table 2-17: Existing Utility Agencies

Utility Owner	Utility Type	Contact Person	Email
CenturyLink dba Lumen	Communication/ FOC	Leslie Dingman	leslie.dingman@lumen.com
Clearwater Gas	Gas	Jacinta Corcoba	jacinta.corcoba@clearwatergas.com
Duke Energy Distribution	Electric	David Murchison	DEFdistributiongov@duke-energy.com
Duke Energy Fiber	Electric	Julian Jordan	DEFfibergov@duke-energy.com
Duke Energy Transmission	Electric	Scott Vanvelzor	DEFtransmissiongov@duke-energy.com
Florida Gas Transmission	Gas	Joe Sanchez	joseph.e.sanchez@energytransfer.com
Frontier	Communication/ FOC	Kraivuth (Woody) Choeykrajang	kraivuth.choeykrajang@ftr.com
Hillsborough Co. Public Utilities	Water/Sewer/ Reclaim	Lorea Sample	utilitycoordination@hillsboroughcounty.org
Hillsborough Co. Traffic	Traffic Control Devices	Darryle Norton	nortond@hillsboroughcounty.org
MCI Metro Access Transmission Services, LLC (Verizon Business)	Communications /FOC	Michael Krol	michael.krol@verizon.com
Pasco Co. Traffic Ops.	Traffic Control Devices	Venkat Vattikuti	vvattikuti@pascocountyfl.net
Pasco Co. Utilities	Water/Sewer/ Reclaim	Aurybel Rivero	arivero@pascocountyfl.net
Sice Inc.	Communications /FOC	Robert Hernandez	bhernandez@sice.com
Spectrum - Hillsborough	Communications /FOC	Not identified	DL-WCEN-FL-FDE-MARKUP@charter.com
Spectrum - Pasco	Communications /FOC	Not identified	DL-FL-pas-construction@charter.com
Tampa Bay Water	Water	Robert MacDonnell	utilitycoordination@tampabaywater.org
Tampa Electric	Electric	Jason Payne	CSAdmin@tecoenergy.com
TECO People Gas	Gas	Jenna Jackson	JXJackson@tecoenergy.com
Uniti Fiber	Communications	Terry Young	Terry.young@uniti.com
Withlacoochee River Electric Co-Op	Electric	Mike Wilson	mwilson@wrec.net
Zayo Group	Communications /FOC	Jake Sansom	Jake.sansom@zayo.com

2.2.21 Soils and Geotechnical Data

A review of geotechnical data available from United States Department of Agriculture - Natural Resources Conservation Service (USDA-NRCS) Soil Survey, United States Geological Survey (USGS) map and construction plans from previous projects was completed as part of this PD&E Study. There are six soil types identified within the segment of the project located in Hillsborough County and 23 for the segment passing through Pasco County. The soil types found within the study area are presented in **Table 2-18** and **Table 2-19**. **Figure 2-20** illustrates the area soils data was collected, and the legend is displayed in **Figure 2-21.** Review of existing data indicates the soils in the project area are typically fine sand soils with some muck present. Documentation of geotechnical data review is included in the Geotechnical Technical Memorandum available in the project file.

Table 2-18: NRCS Soil Types in Hillsborough County

Soil Type	Acres in AOI	Percent of AOI
Basinger, Halopaw, and Samsula Soils, Depressional	305.7	5.6%
Malabar fine sand	265.0	4.9%
Myakka fine sand	741.1	13.6%
Pomello fine sand	3.0	0.1%
St. Johns fine sand	6.6	2.9%
Smyrna fine sand	156.1	1.2%
Water	65.4	1.2%

Figure 2-20: Soils Map

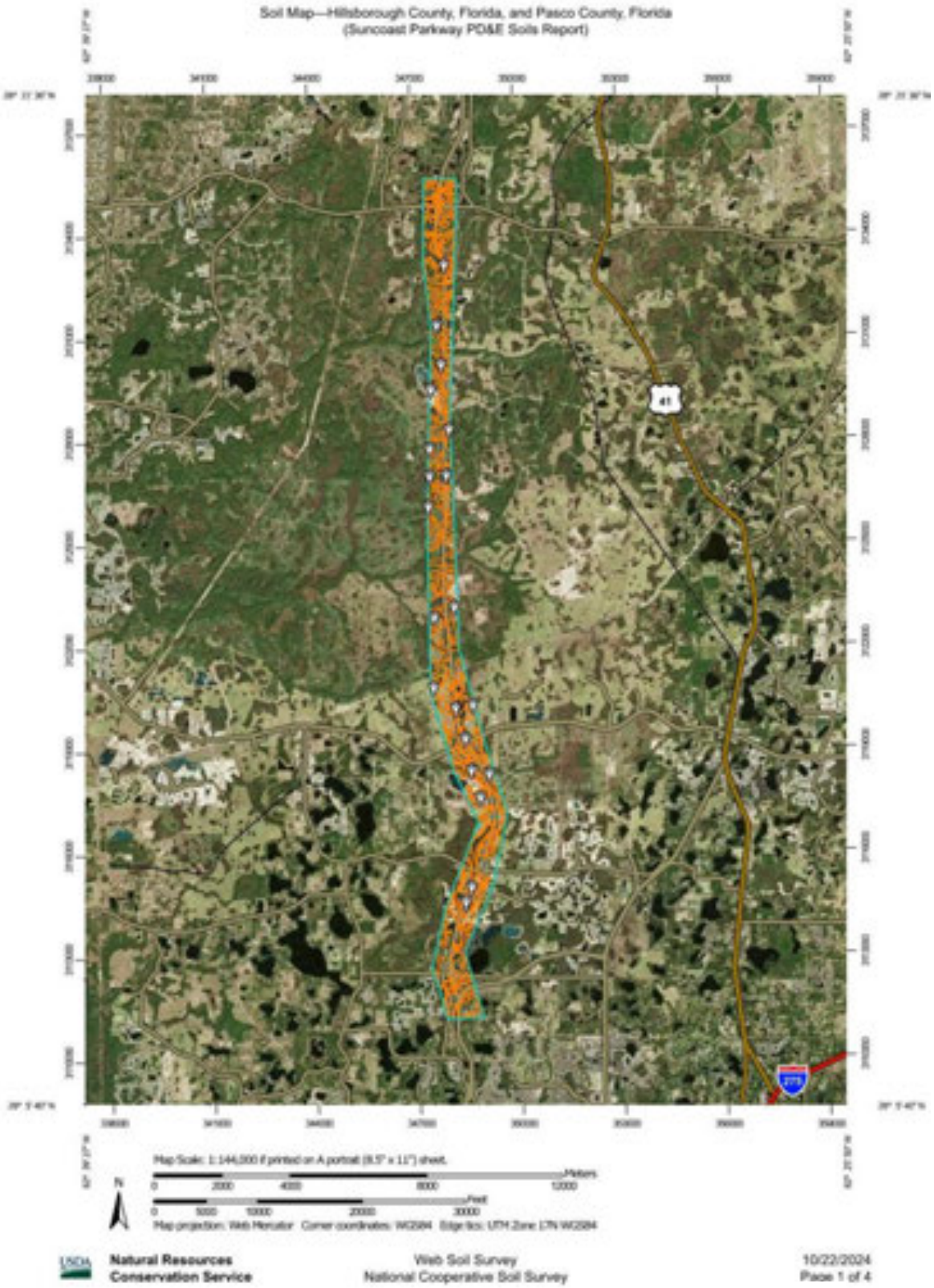


Figure 2-21: Soil Map Legend

Soil Map—Hillsborough County, Florida, and Pasco County, Florida
(Suncoast Parkway PD&E Soils Report)

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other

Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Hillsborough County, Florida
Survey Area Data: Version 24, Aug 26, 2024

Soil Survey Area: Pasco County, Florida
Survey Area Data: Version 23, Aug 26, 2024

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 6, 2022—Jan 30, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Natural Resources Conservation Service | Web Soil Survey
National Cooperative Soil Survey | 10/22/2024

Table 2-19: NRCS Soil Types in Pasco County

Soil Type	Acres in AOI	Percent of AOI
Pomona fine sand	649.3	11.9%
Pineda fine sand	127.0	2.3%
Felda fine sand, 0 to 2 percent slopes	32.3	0.6%
Myakka-Myakka, wet fine sands	337.7	6.2%
Tavares sand, 0 to 5 percent slopes	81.4	1.5%
Sellers mucky loamy fine sand	603.1	11.1%
Wabasso-Wabasso, wet, fine, sand, 0 to 2 percent slopes	89.7	1.7%
Adamsville fine sand, 0 to 2 percent slopes	128.5	2.4%
Zephyr muck	148.9	2.7%
Immokalee fine sand	38.7	0.7%
Smyrna fine sand	503.1	9.3%
Basigner fine sand, depressional, 0 to 2 percent slopes	6.7	0.1%
Basinger fine sand, 0 to 1 percent slopes	68.7	1.3%
Narcoossee fine sand, 0 to 2 percent slopes	71.0	1.3%
EauGallie fine sand	331.0	6.1%
Chobee soils	224.4	4.1%
Paisley fine sand, 0 to 1 percent slopes	83.6	1.5%
Pomello fine sand, 0 to 5 percent slopes	99.8	1.8%
Cassia fine sand	147.3	2.7%
Samsula muck	24.0	0.4%
Wabasso Variant fine sand	7.4	0.1%
Palmetto-Zephyr-Sellers complex	15.7	0.3%
Delray mucky fine sand	1.4	0.0%
Water	70.8	1.3%

2.2.22 Aesthetics Features

The project corridor is one of the primary north-south transportation corridors in Central Florida that supports a broad range of vehicle types daily. The Suncoast Parkway is also a designated scenic highway included in Florida's Scenic Highway program. The Suncoast corridor within the study limits includes the Suncoast Trail which provides a safe, convenient space for non-motorized travel through the greenway while providing connections to a number of multi-use trails, recreation and nature parks and other destinations. The parallel trail provides a scenic aesthetic view of lush greenery to all users. **Figure 2-22** highlights the Suncoast Trail along with the Suncoast Parkway adjacent to it.

Figure 2-22: Suncoast Trail

2.2.23 Traffic Signs

As part of this PD&E study, an existing corridor sign inventory was performed within the project limits and is available in the project file.

2.2.24 Noise Walls and Perimeter Walls

There are no existing noise walls within the study limits. There is an existing 8-ft high perimeter wall along both side of the Suncoast Parkway adjacent to the Cheval West community between Ramblewood Road and Lutz Lake Fern Road.

2.2.25 Intelligent Transportation Systems (ITS)/ Transportation Systems Management and Operations (TSM&O) Features

Based on as-built plans, the ITS configuration includes the following:

- Fiber Optic network for communications
- Closed circuit television (CCTV) cameras for traffic monitoring
- Dynamic message signs (DMS) providing traveler information
- Verification CCTV (V-CCTV) cameras for verifying DMS display
- Microwave vehicle detection systems (MVDS) to obtain speed classification, and volume data
- Bluetooth travel time detection system
- Wrong way vehicle detection system (WWVDS) at off-ramps to detect and warn wrong way driving vehicles
- Lane Status DMS and a Toll Amount embedded DMS panel

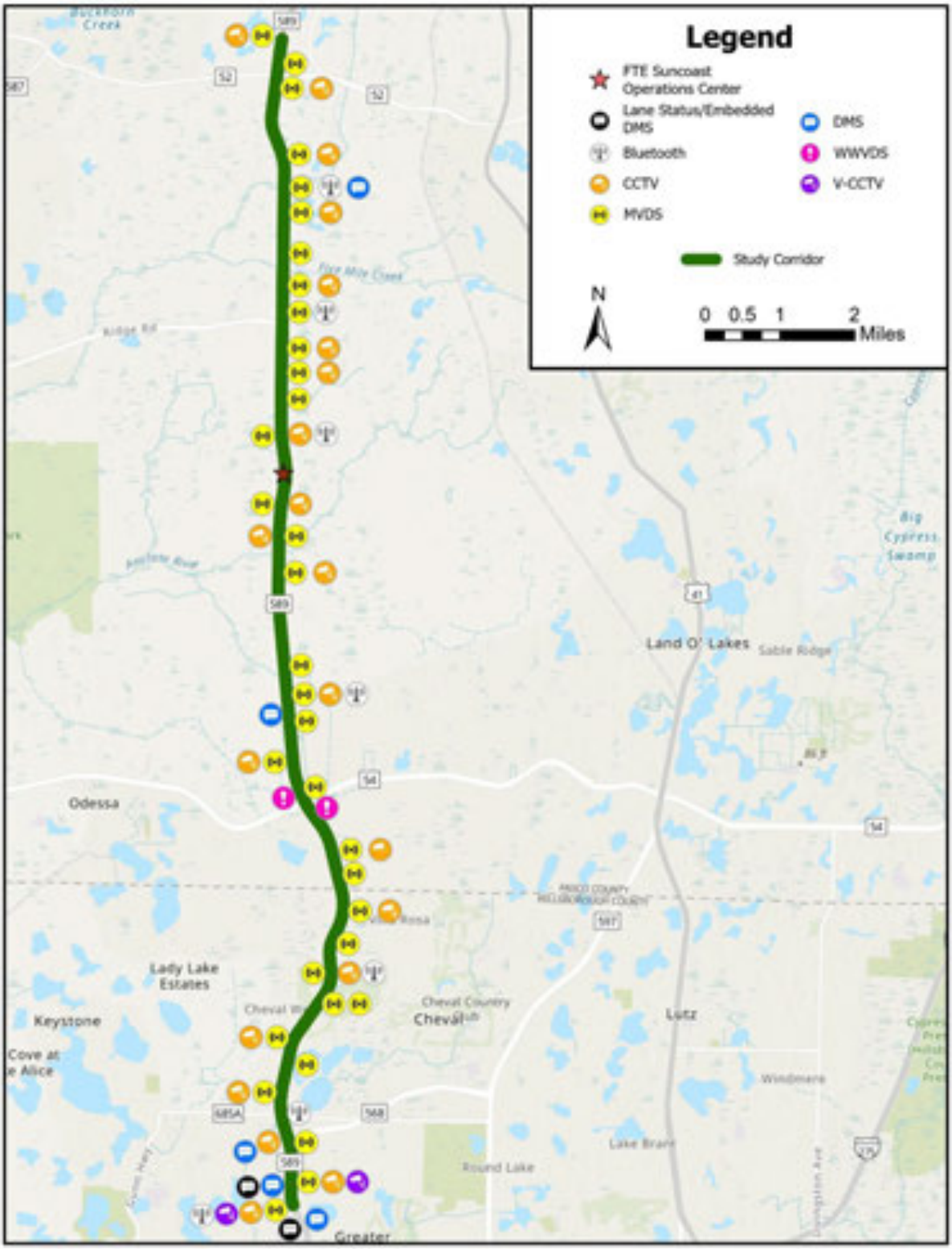
Table 2-20 below shows the quantities of the existing ITS devices within the overall project limits. **Figure 2-23** shows the location map of the existing ITS devices.

Table 2-20: Existing ITS Devices

ITS Devices	Quantities*
DMS	5
Embedded DMS	1
Lane Status DMS	1
CCTV Cameras	21
V-CCTV Cameras	2
MVDS	34
Bluetooth Detectors	7
WWVDS	1 system (2 ramps)
Suncoast Operations Center	1

*The ITS device quantities are based on desktop review and not field verified.

Figure 2-23: Existing ITS Device Location Map



2.2.26 Toll Sites

There are seven (7) existing toll sites within the project limits:

- Van Dyke Road interchange - northbound entry ramp
- Van Dyke Road interchange - southbound exit ramp
- SR 54 interchange – northbound entry ramp
- SR 54 interchange – southbound entry ramp
- Mainline toll plaza at Anclote (MP 21)
- Ridge Road interchange – northbound entry ramp
- Ridge Road interchange – southbound exit ramp

2.3 Existing Bridges and Structures

There are 25 existing bridges within the project limits: nine in Hillsborough County and 16 in Pasco County. Bridge information pertinent to the study was compiled from as-built construction plans, inspection reports, and load ratings (see **Table 2-21**). All existing bridges within the project limit are owned by the Enterprise. Two bridges utilize AASHTO Type II & Type III Girders superstructures, two bridges utilize AASHTO Type II, twelve utilize AASHTO Type III, four utilize AASHTO Type VI, two utilize AASHTO Type V, two utilize AASHTO Type VI and five utilize steel plate girder. Four of the existing bridges within the project limits are recommended to be replaced to meet the current standards.

The bridges over the South Branch Anclote River (140069 and 140070), Sandy Branch (140074 and 140075), Anclote River (140076 and 140077), Five Mile Creek (140078 and 140079), and Pithlachascotee River (140080 and 140081) cross non-navigable waterways. In addition, these bridges are designated wildlife crossings. Additional information pertaining to the wildlife crossings is provided in **Section 2.4, Existing Environmental Features**.

Table 2-21: Existing Bridge Structures

Location	Bridge Number		1006124	1006126	1006127	1006128	1006129	1006130	1006131	1006132	1006133	140069	140070
	Bridge Tech Memo Section		3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.6
	Milepost		13.7	14.2	14.2	15.2	15.2	15.8	15.8	16.3	16.3	17.9	17.9
	Roadway Intersection		SB SR 568 over SR 589	NB SR 589 over Van Dyke Road	SB SR 589 over Van Dyke Road	NB SR 589 over Ramblewood Rd	SB SR 589 over Ramblewood Rd	NB SR 589 over TPC Blvd	SB SR 589 over TPC Blvd	NB SR 589 over Lutz Lake Fern Rd	SB SR 589 over Lutz Lake Fern Rd	NB SR 589 over South Branch Anclote River	SB SR 589 over South Branch Anclote River
	Maintaining Agency		Turnpike	Turnpike	Turnpike	Turnpike	Turnpike	Turnpike	Turnpike	Turnpike	Turnpike	Turnpike	Turnpike
Inspection Ratings	Date of Inspection Report		3/21/2022	3/1/2022	3/1/2022	3/1/2022	3/1/2022	3/10/2022	3/10/2022	3/10/2022	3/10/2022	6/7/2022	6/7/2022
	Year of Construction	Original	1999	2000	2000	2000	2000	2000	2000	2000	2000	1999	1999
		Widening	-	-	-	-	-	-	-	-	-	-	-
	Inspection Ratings	Deck	7	7	8	8	8	7	7	7	7	7	7
		Superstructure	7	6	6	7	8	7	7	7	7	8	8
		Substructure	7	7	7	7	7	7	7	7	7	7	7
		Sufficiency	85	98.3	99	98.3	98.3	98.3	98.3	98.3	98.3	97	97
		Health Index	96.09	99.57	99.48	99.18	99.03	98.72	98.76	99.05	98.95	97.2	97.57
	Load Ratings	Inventory	1.06	1.1	1.1	1.02	1.02	1.2	1.2	1.025	1.025	0.9167	0.9167
		Operating	1.78	1.85	1.85	1.33	1.33	1.32	1.32	1.205	1.205	1.347	1.186
Existing Bridge Information	Bridge Width (out of out)		48'-1"	48'-1"	48'-1"	48'-1"	48'-1"	48'-1"	48'-1"	59'-7"	59'-7"	42'-1"	55'-1.5"
	Number of Lanes		3	3	3	3	3	3	3	3	3	3	3
	Shoulder Widths	Inside	10'	6'	6'	10'	10'	6'	6'	10'-6"	10'-6"	6'	6'
		Outside	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'
	Bridge Length		377'-5.875"	154'-10.5"	154'-10.5"	72'-5.5"	72'-5.5"	128'-7"	128'-7"	163'-2.75"	163'-2.75"	336'-0"	336'-0"
	Span Configuration		210.77' 166.72'	154.875'	154.875'	72.458'	72.458'	128.58'	128.58'	78'-7" 84'-7.75"	78'-7" 84'-7.75"	7 spans @ 48'-0"	7 spans @ 48'-0"
	Skew Angle (Degree)		50	18	18	18	18	5	5	0	0	35	35
	Vertical Alignment	Length of Curve	1500'	1800'	1800'	1600'	1600'	1100'	1100'	1800'	1800'	1000'	1000'
		Grade In	2.965%	2.536%	2.536%	2.416%	2.416%	1.608%	1.608%	2.21%	2.21%	0.934%	0.934%
		Grade Out	-2.901%	-2.699%	-2.699%	-2.298%	-2.298%	-1.847%	-1.847%	-2.61%	-2.61%	-0.682%	-0.682%
	Vertical Clearance		16.63'	16.33'	18.8'	16.64'	20.83'	16.5'	16.08'	21.72'	16.75'	6'-2"	6'-2"
	Horizontal Alignment	Tangent/Curve	Curved	Curved	Curved	Curved	Curved	Tangent	Tangent	Curve	Curve	Tangent	Tangent
	Horizontal Clearance	Distance	12.3'	11.9'	36.75'	22'	22'	24.6'	23'	18'	18'	NA	NA
		Pier Protection	Yes	NA	NA	NA	NA	NA	NA	No	No	NA	NA
	Ashpalt Overlay (Y/N)		No	No	No	No	No	No	No	No	No	No	No
	Superstructure Type		Steel Plate Girder	Chorded Steel Plate Girder	Chorded Steel Plate Girder	AASHTO Type III Beams	AASHTO Type III Beams	AASHTO Type VI Beams	AASHTO Type VI Beams	AASHTO Type III Beams	AASHTO Type III Beams	AASHTO Type II Beams	AASHTO Type II Beams
	Substructure Type		EB-RC Caps; Pier-Multi-Column RC Bent	RC Caps	RC Caps	RC Caps	RC Caps	RC Caps	RC Caps	EB-RC Caps; Pier-Multi-Column RC Bent	EB-RC Caps; Pier-Multi-Column RC Bent	EB & IB - RC Caps	EB & IB - RC Caps
	Foundation Type		18" PC/PS Concrete Piles	18" PC/PS Concrete Piles	18" PC/PS Concrete Piles	18" PC/PS Concrete Piles	18" PC/PS Concrete Piles	18" PC/PS Concrete Piles	18" PC/PS Concrete Piles	18" PC/PS Concrete Piles	18" PC/PS Concrete Piles	24" PC/PS Concrete Piles	24" PC/PS Concrete Piles
	Design Vehicle		HL-93	HS 20-44	HS 20-44	HS 20-44	HS 20-44	HS 20-44	HS 20-44	HS 20-44	HS 20-44	HS 20-44	HS 20-44
	Proposed Improvements		No Changes	Widening to inside and outside, connect the existing bridges	Widening to inside and outside, connect the existing bridges	Widening to inside and outside, connect the existing bridges	Widening to inside and outside, connect the existing bridges	Replacement - Vertical profile upgraded to meet current standards	Replacement – Vertical profile upgraded to meet current standards	Replacement - Cross slope changed from 6.1% to 7.6%	Replacement - VC results in 1.824' drop at 7.6% cross slope – existing cross slop 6.1%	Widening to inside and outside- Connect the two bridges	Widening to inside and outside- Connect the two bridges

Table 2-21: Existing Bridge Structures (Continued)

Location	Bridge Number		140072	140073	140074	140075	140076	140077	140089	140090	140078	140079	140080
	Bridge Tech Memo Section		3.7	3.7	3.8	3.8	3.9	3.9	3.10	3.10	3.11	3.11	3.12
	Milepost		18.7	18.7	20.5	20.5	22	22	25.2	25.2	25.8	25.8	26.9
	Roadway Intersection		NB SR 589 over SR 54	SB SR 589 over SR 54	NB SR 589 over Sandy Branch	SB SR 589 over Sandy Branch	NB SR 589 over Anclote River	SB SR 589 over Anclote River	NB SR 589 over Ridge Road	SB SR 589 over Ridge Road	NB SR 589 over Five Mile Creek	SB SR 589 over Five Mile Creek	NB SR 589 over Pithlachascotee River
	Maintaining Agency		Turnpike	Turnpike	Turnpike	Turnpike	Turnpike	Turnpike	Turnpike	Turnpike	Turnpike	Turnpike	Turnpike
Inspection Ratings	Date of Inspection Report		6/7/2022	6/7/2022	6/7/2022	6/7/2022	6/8/2022	6/6/2022	6/2/2022	6/2/2022	6/2/2022	6/2/2022	5/3/2022
	Year of Construction	Original	1999	1999	2000	2000	2000	2000	2000	2000	2000	2000	2000
		Widening	-	-	-	-	-	-	-	-	-	-	-
	Inspection Ratings	Deck	7	7	7	7	7	7	7	7	7	7	7
		Superstructure	7	8	8	7	8	8	7	7	8	7	8
		Substructure	7	8	7	7	7	7	7	7	7	7	7
		Sufficiency	100	100	98.8	98.8	98.8	98.8	99.2	94.3	99.2	99.2	98.8
		Health Index	99.57	99.86	97.35	97.13	97.04	96.89	99.55	99.47	98.61	99.44	96.46
	Load Ratings	Inventory	1.002	1.002	1.11	1	1.194	1.138	1.055	1.055	1.23	0.986	1.23
		Operating	1.169	1.169	1.805	1.583	1.944	1.833	1.694	1.694	1.55	1.277	1.552
Existing Bridge Information	Bridge Width (out of out)		42'-1"	42'-1"	42'-1"	55'-1.5"	42'-1"	55'-1.5"	42'-1"	42'-1"	42'-1"	55'-1.5"	42'-1"
	Number of Lanes		2	2	2	2	2	2	2	2	2	2	2
	Shoulder Widths	Inside	6'	6'	6'	6'	6'	6'	6'	6'	6'	6'	6'
		Outside	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'
	Bridge Length		187'-6.125"	187'-6.125"	240'-0"	240'-0"	845'-0"	845'-0"	212'-0"	212'-0"	594'-4"	594'-4"	528'-4"
	Span Configuration		93'-9.5" 93'-8.625"	93'-9.5" 93'-8.625"	4 Spans @ 60'-0"	4 Spans @ 60'-0"	13 Spans @ 65'-0"	13 Spans @ 65'-0"	104'-0" 108'-0"	104'-0" 108'-0"	66'-1" 2 Spans @ 66'-0" 2 spans @ 66'-1" 3 Spans @ 66'-0" 66'-1"	66'-1" 2 Spans @ 66'-0" 2 spans @ 66'-1" 3 Spans @ 66'-0" 66'-1"	66'-1" 2 Spans@ 66'-0" 2 Spans @ 66'-1" 2 Spans @ 66'-0" 66'-1"
	Skew Angle (Degree)		4	4	0	0	0	0	18	18	0	0	0
	Vertical Alignment	Length of Curve	2250'	2250'	1000'	1000'	500'	500'	2000'	2000'	1000'	1000'	1000'
		Grade In	2.184%	2.184%	0.90%	0.90%	0.500%	0.500%	2.50%	2.50%	1.00%	1.00%	1.00%
		Grade Out	2.210%	2.210%	-0.90%	-0.90%	-0.452%	-0.452%	-2.50%	-2.50%	-1.00%	-1.00%	-1.00%
	Vertical Clearance		16.81'	18.4'	8.4'	8.4'	9.1'	8.7'	17.33'	17.45'	8'-0"	8'-0"	8'-0"
	Horizontal Alignment	Tangent/Curve	Curved	Curved	Tangent	Tangent	Tangent	Tangent	Tangent	Tangent	Tangent	Tangent	Tangent
	Horizontal Clearance	Distance	23.8'	22.1'	NA	NA	NA	NA	28.89'	27.6'	NA	NA	NA
		Pier Protection	No	No	NA	NA	NA	NA	Yes	Yes	NA	NA	NA
	Ashpalt Overlay (Y/N)		No	No	No	No	No	No	No	No	No	No	No
	Superstructure Type		AASHTO Type IV Beams	AASHTO Type IV Beams	AASHTO Type III Beams	AASHTO Type III Beams	AASHTO Type III Beams	AASHTO Type III Beams	AASHTO Type V Beams	AASHTO Type V Beams	AASHTO Type III Beams	AASHTO Type III Beams	AASHTO Type III Beams
	Substructure Type		EB-RC Caps; Pier-Multi-Column RC Bent	EB-RC Caps; Pier-Multi-Column RC Bent	EB & IB - RC Caps	EB & IB - RC Caps	EB & IB - RC Caps	EB & IB - RC Caps	EB-RC Caps; Pier-Multi-Column RC Bent	EB-RC Caps; Pier-Multi-Column RC Bent	EB & IB - RC Caps	EB & IB - RC Caps	EB & IB - RC Caps
	Foundation Type		24" PC/PS Concrete Piles	24" PC/PS Concrete Piles	24" PC/PS Concrete Piles	24" PC/PS Concrete Piles	24" PC/PS Concrete Piles	24" PC/PS Concrete Piles	18" PC/PS Concrete Piles	18" PC/PS Concrete Piles	18" PC/PS Concrete Test Piles & 24" PC/PS Concrete Production Piles	18" PC/PS Concrete Test Piles & 24" PC/PS Concrete Production Piles	18" PC/PS Concrete Piles
	Design Vehicle		HS 20-44	HS 20-44	HS 20-44	HS 20-44	HS 20-44	HS 20-44	HS 20	HS 20	HS 20-44	HS 20-44	HS 20-44
	Proposed Improvements		Widening to inside and outside	Widening to inside and outside	Widening to inside and outside	Widening to inside and outside	Widening to inside Add barrier rail retrofit on outside barrier to remain.	Widening to inside Add Tubular Railing Retrofit on outside barrier	Widening to inside Add Tubular Railing Retrofit on outside barrier	Widening to inside Add Tubular Railing Retrofit on outside barrier	Widening to inside Add Tubular Railing Retrofit on outside barrier	Widening to inside Add Tubular Railing Retrofit on outside barrier	Widening to inside Add Tubular Railing Retrofit on outside barrier

Table 2-21: Existing Bridge Structures (Continued)

Location	Bridge Number		140081	140082	140083
	Bridge Tech Memo Section		1.12	1.13	1.13
	Milepost		26.9	28.5	28.5
	Roadway Intersection		SB SR 589 over Pithlachascotee River	NB SR 589 over SR 52	SB SR 589 over SR 52
	Maintaining Agency		Turnpike	Turnpike	Turnpike
Inspection Ratings	Date of Inspection Report		5/1/2022	6/1/2022	6/1/2022
	Year of Construction	Original	2000	2000	2000
		Widening	-	-	-
	Inspection Ratings	Deck	7	8	7
		Superstructure	8	7	7
		Substructure	7	7	7
		Sufficiency	98.7	100	100
		Health Index	97.68	99.72	99.61
	Load Ratings	Inventory	0.986	1.05	1.05
		Operating	1.27	1.75	1.75
Existing Bridge Information	Bridge Width (out or out)		55'-1.5"	42'-1"	42'-1"
	Number of Lanes		2	2	2
	Shoulder Widths	Inside	6'	6'	6'
		Outside	10'	10'	10'
	Bridge Length		528'-4"	177'-1"	177'-1"
	Span Configuration		66'-1" 2 Spans@ 66'-0" 2 Spans @ 66'-1" 2 Spans @ 66'-0" 66'-1"	177'-1"	177'-1"
	Skew Angle		0	5	5
	Vertical Alignment	Length of Curve	1000'	2000'	2000'
		Grade In	1.00%	2.50%	2.50%
		Grade Out	-1.00%	-2.50%	-2.50%
	Vertical Clearance		87'-0"	16.4'	16.83'
	Horizontal Alignment	Tangent/Curve	Tangent	Tangent	Tangent
	Horizontal Clearance	Distance	NA	35.4'	35'
		Pier Protection	NA	NA	NA
	Asphalt Overlay (Y/N)		No	No	No
	Superstructure Type		AASHTO Type III Beams	Steel Plate Girder	Steel Plate Girder
	Substructure Type		EB & IB - RC Caps	RC Caps	RC Caps
	Foundation Type		18" PC/PS Concrete Piles	18" PC/PS Concrete Piles	18" PC/PS Concrete Piles
	Design Vehicle		HS-20-44	HS-20-44	HS-20-44
	Proposed Improvements		Widening to inside - Add Tubular Railing Retrofit on outside barrier	Widening to inside - Add tubular railing retrofit to outside barrier	Widening to inside - Add tubular railing retrofit to outside barrier

2.4 Existing Environmental Features

Environmental data was collected through desktop review of various FDOT screening tools and field reviews conducted on December 12-13, 2023, and September 5, 2024. The study area for this project includes the following predominant land use; residential, commercial, institutional, recreational and industrial. A total of 19 upland and 13 wetland and surface water habitat types were found within the project study area. Wetland and surface water communities comprise approximately 1,306 acres (35 percent) of the project study area and is primarily comprised of reservoirs, freshwater marshes, and cypress forests, as well as several lakes, bottomlands, wet prairies, and hydric hardwood and coniferous forests. The 13 wetland and surface water habitat types included 10 wetland types and 3 surface water and other surface water types. The wetland types were classified as wetland hardwood forests, stream and lake swamp bottomlands, wetland coniferous forests, cypress domes, wetland forested mixed, vegetated non-forested wetlands, freshwater marshes, wet prairies, and emergent aquatic vegetation. The surface waters and other surface waters included ditches, lakes, reservoirs, and intermittent ponds. Upland communities comprise approximately 2,422 acres (65 percent) of the project study area and generally includes residential units, roads and highways, commercial and industrial land use, institutional land use, recreation areas, pastureland, scrub and brushland, hardwood and coniferous forests, tree plantations, pine flatwoods, and open lands.

The project is located within the U.S. Fish and Wildlife Service (USFWS) Consultation Area (CA) of the Florida scrub-jay (*Aphelocoma coerulescens*), and within the Core Foraging Area (CFA) of 11 wood stork (*Mycteria americana*) colonies. Based on the information collected and field reviews, a list of protected species with the potential to occur within the project study area was generated. A total of 35 federal or state listed species, one federally proposed endangered species, one candidate species for federal listing, and one species with other protection requirements that have the potential for occurrence within the project study area. These protected species include 19 flora, six reptilian, 10 avian, two mammalian, and one insect species.

There are six existing wildlife crossings within the study area. Information about each crossing is provided in **Table 2-22**.

Additional information on the existing environmental, the potential impacts of the preferred alternative and mitigation efforts is documented under separate cover in the *Natural Resources Evaluation Report* (NRE).

Table 2-22: Existing Wildlife Crossings

Wildlife Crossing ID	Name	Crossing Type	Bridge No.	Crossing Size	Target Species	Fencing Included?
TP-14-001-BR	South Branch Anclote River Wildlife Crossing	Bridge	140069/ 140070	336’ long (7 spans at 48’ each), 6.2’ vertical clearance	Black Bear	Yes
TP-14-002-BR	Sandy Branch Wildlife Crossing	Bridge	140074/ 140075	240’ long (4 spans at 60’ each), 8.4’ vertical clearance	Black Bear	Yes
TP-14-003-BR	Anclote River Wildlife Crossing	Bridge	140076/ 140077	845’ long (13 spans at 65’ each), 8.7’ vertical clearance	Black Bear	Yes
TP-14-006-BR	Five Mile Creek Wildlife Crossing	Bridge	140078/ 140079	594’4” long (9 spans, 66’ min), 8’ vertical clearance	Black Bear	Yes
TP-14-005-CV	Wetland 3-9 Culvert (identified as CD-29 in the Location Hydraulics Report)	Culvert	n/a	2 – 5’ wide x 4’ high concrete boxes	Amphibians/ Reptiles	Yes
TP-14-004-BR	Pithlachascotee River Wildlife Crossing	Bridge	140080/ 140081	528’4” long (8 spans, 66’ min), 8’ vertical clearance	Black Bear	Yes

3.0 FUTURE CONDITIONS

3.1 Future Conditions Considerations

Future daily forecast, design hour volumes and lane requirements were evaluated to provide an estimated timeline for the onset of capacity deficiencies along the Suncoast Parkway mainline and ramp roadways within the study limits. The mainline capacity evaluation was completed using the TSM v3.1 and post model refinement. The National Cooperative Highway Research Program (NCHRP) 255 and 765 forecast procedure and the 2023 FDOT Quality and Level of Service (LOS) Handbook target volumes were utilized to further refine future estimates. The validation year for the TSM v3.1 was 2019 and the future year models used for the SR 589 were developed for 2030 and for the 2050 horizon year.

To meet LOS D, the analysis shows that the Suncoast Parkway mainline will require three lanes of travel in each direction from south of Van Dyke Road to Ridge Road interchanges by opening year 2030. Three lanes will be required between Ridge Road and SR 52 interchanges by 2035. The analysis also shows a future need for four lanes of travel per direction on SR 589 within the study limits. Each segment from south of Van Dyke Rd to SR 54 requires a maximum of four lanes per direction through the 2050 design year, the year of need ranges from 2042 to 2044. The earliest onset for the four-lane need will be in 2042, between Van Dyke Road and W Lutz Lake Fern Road interchanges.

The results from the ramp analysis confirmed that most of the existing ramp roadways within the study limits will need to be modified to add an additional lane through design year 2050, except for the ramps to and from the south at SR 54 and SR 52, which will need two lanes by 2030 and 2048, respectively. The new ramp being proposed at Rangeland Boulevard is also expected to provide relief to the congested adjacent interchanges. Additional details on the mainline and ramps lane requirements are documented in the *Project Traffic Forecast Memorandum* for this project.

Future Land Use

Hillsborough and Pasco County's Future Land Use (FLU) data located within a quarter mile of the Suncoast Parkway within the project limits was collected, mapped, and analyzed to determine the corridor's future land use composition and is summarized in **Table 3-1**. The Future Land Use Map provides the planned land uses throughout the corridor as shown in **Figure 3-1**.

Table 3-1: Future Land Use Composition

County	Future Land Use	Percentage
Hillsborough	Agricultural	0.63%
	Residential	19.68%
	Natural Preservation	0.30%
	Public/Quasi Public	2.39%
Pasco	Agricultural	4.66%
	Residential	25.5%
	Conservation Lands	15.17%
	Employment Center	0.39%
	Industrial-Light	3.57%
	Planned Development	22%
	Major Recreation/Open Space	0.31%
	Retail/Office	1.73
	Mixed Uses	3.67%

The corridor's future land use closely mirrors the corridor's existing land use within both Hillsborough and Pasco counties. The corridor's land uses within the study limits remain predominantly residential (46%) followed by planned development (22%). Conservation lands accounts for approximately 15.17% while agricultural accounts for 5.29%. Industrial, public/quasi-public, mixed uses, retail and major recreation/open space accounts for the remainder of the corridor.

Figure 3-1: Future Land Use Map

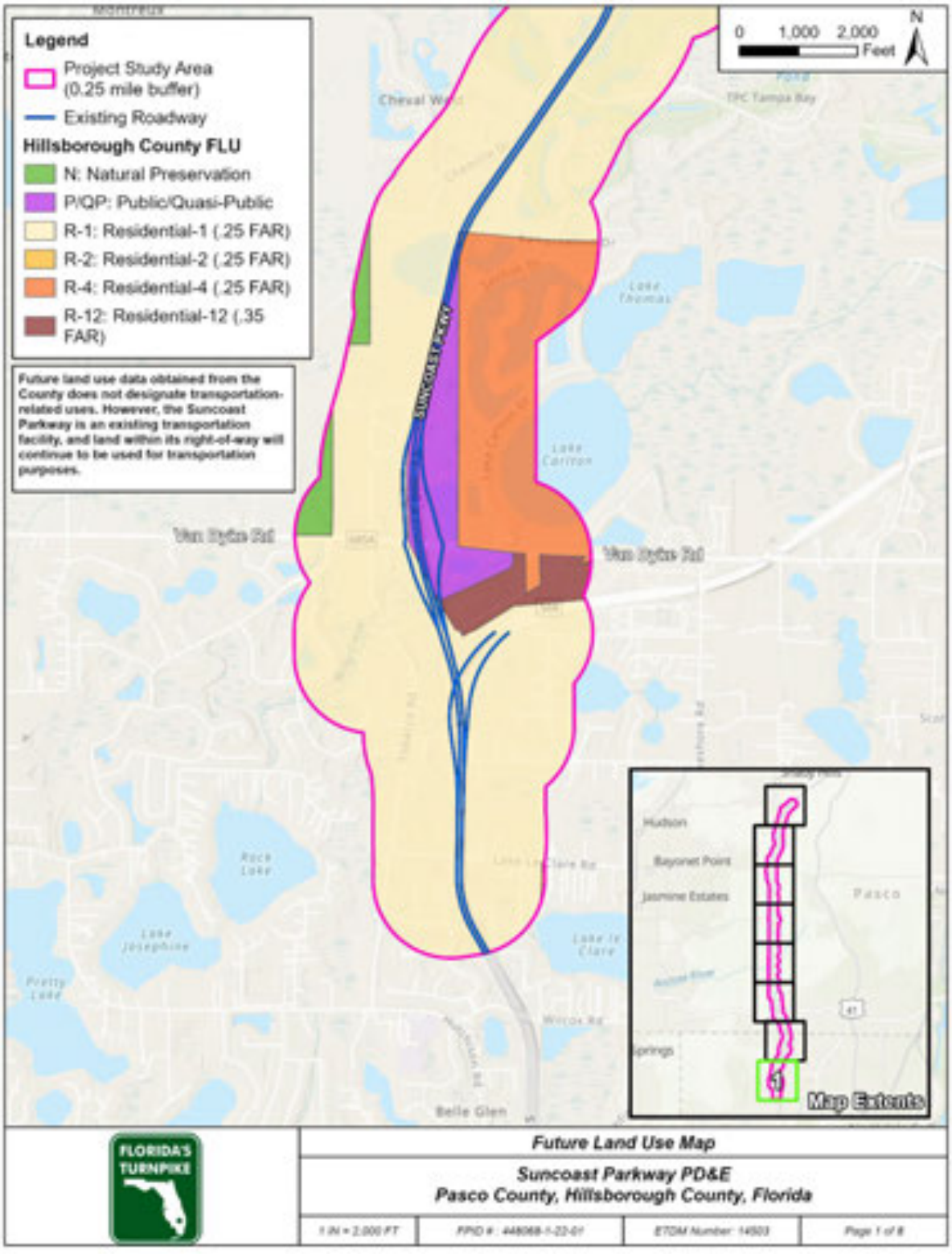


Figure 3-1: Future Land Use Map (Continued)

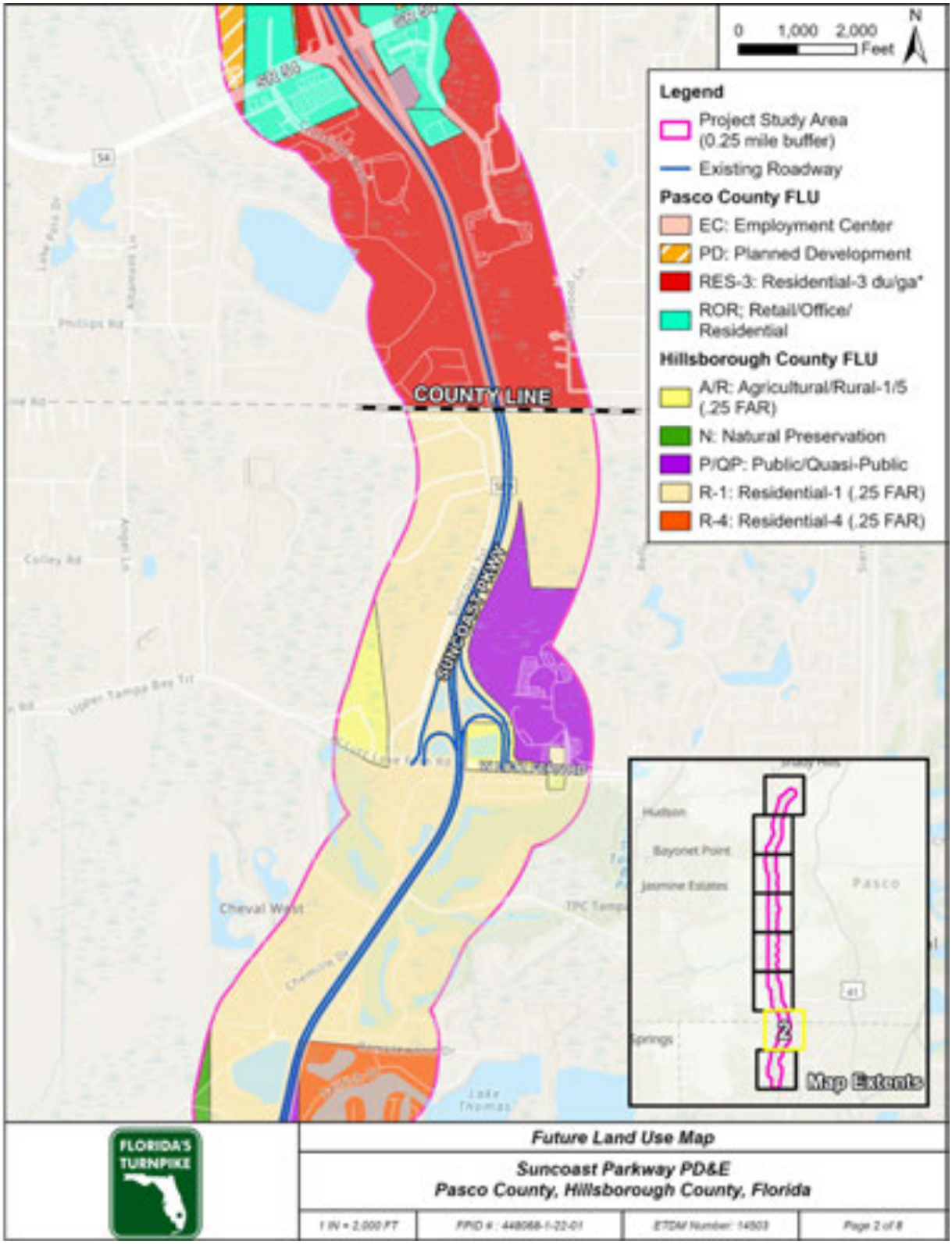


Figure 3-1: Future Land Use Map (Continued)

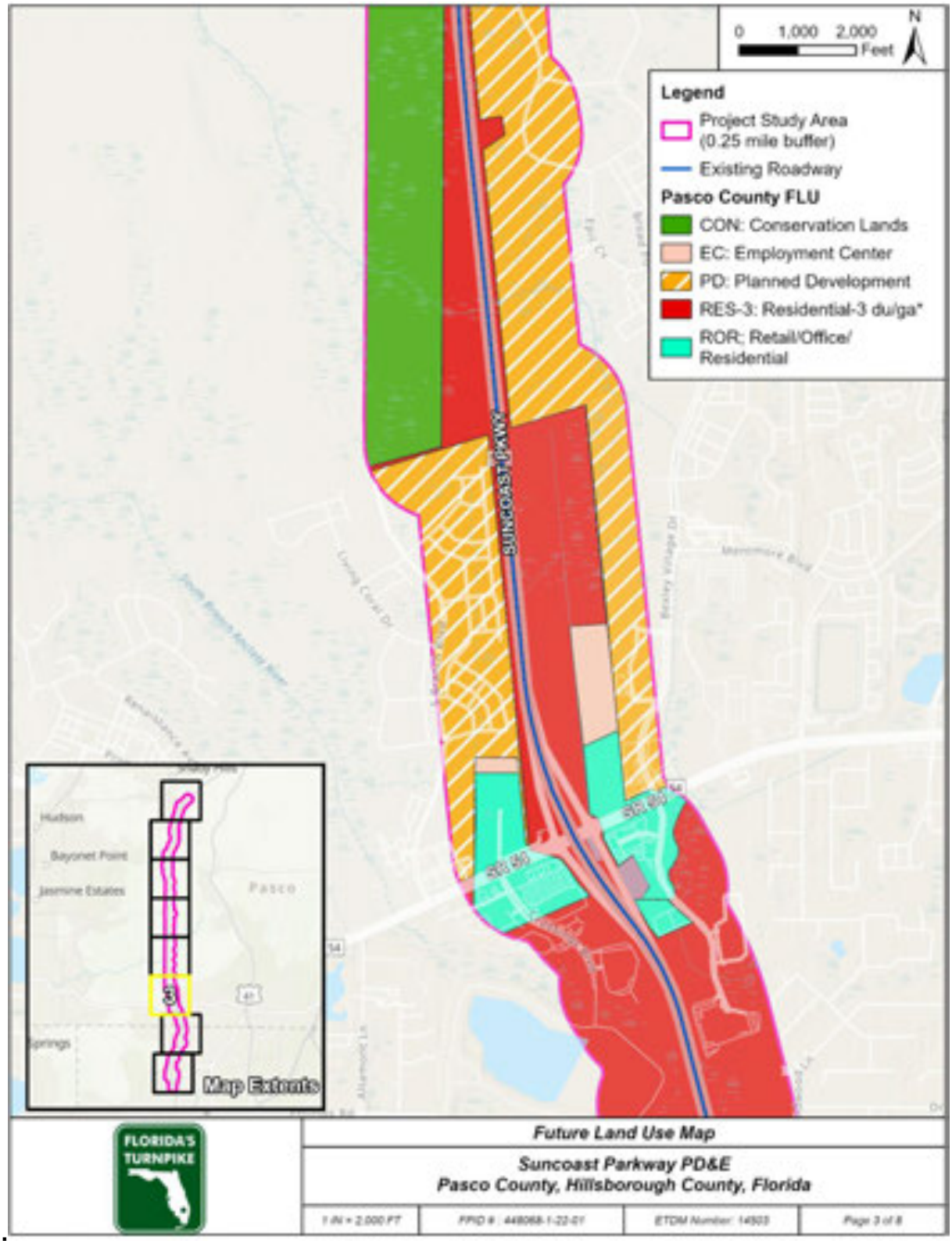


Figure 3-1: Future Land Use Map (Continued)

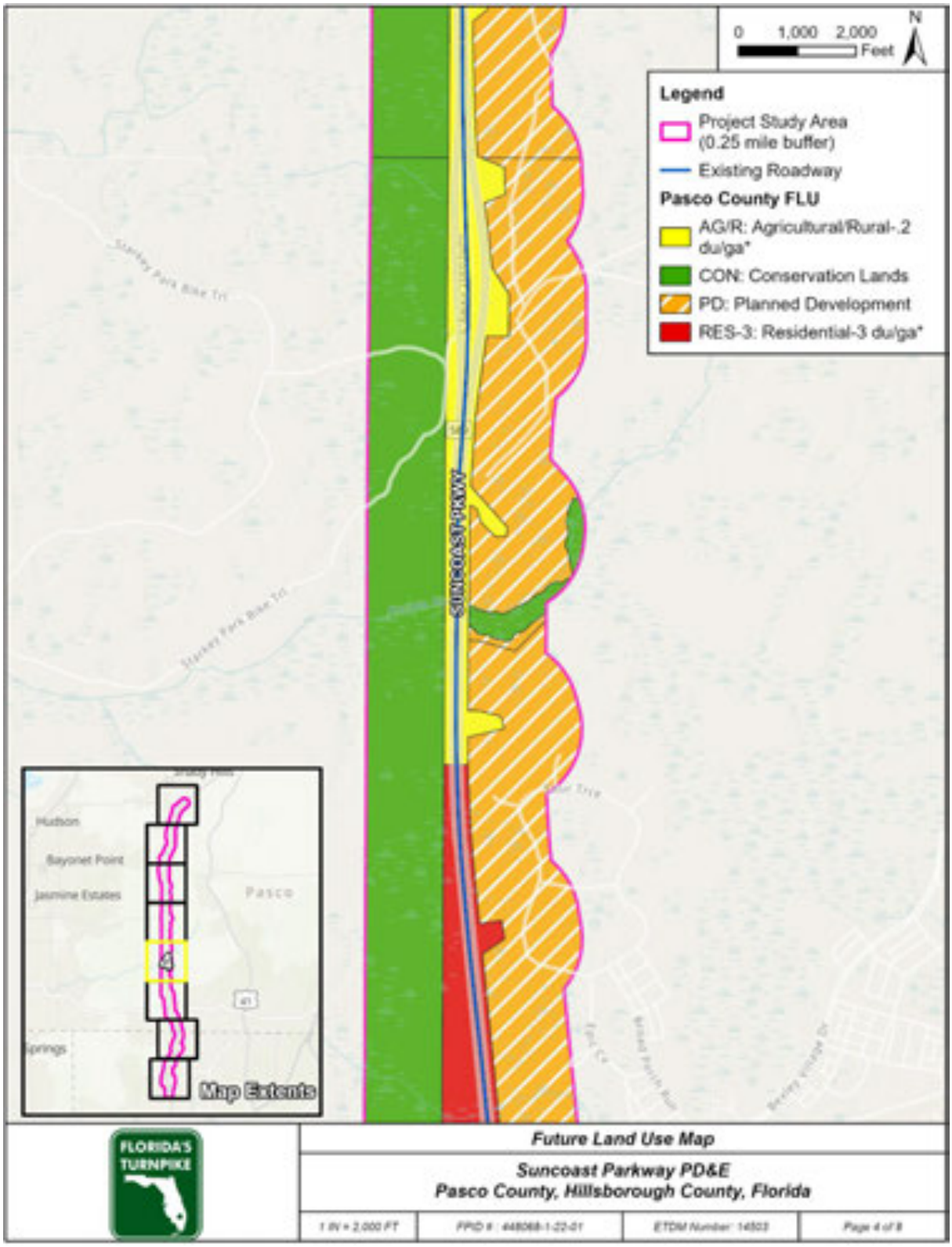


Figure 3-1: Future Land Use Map (Continued)

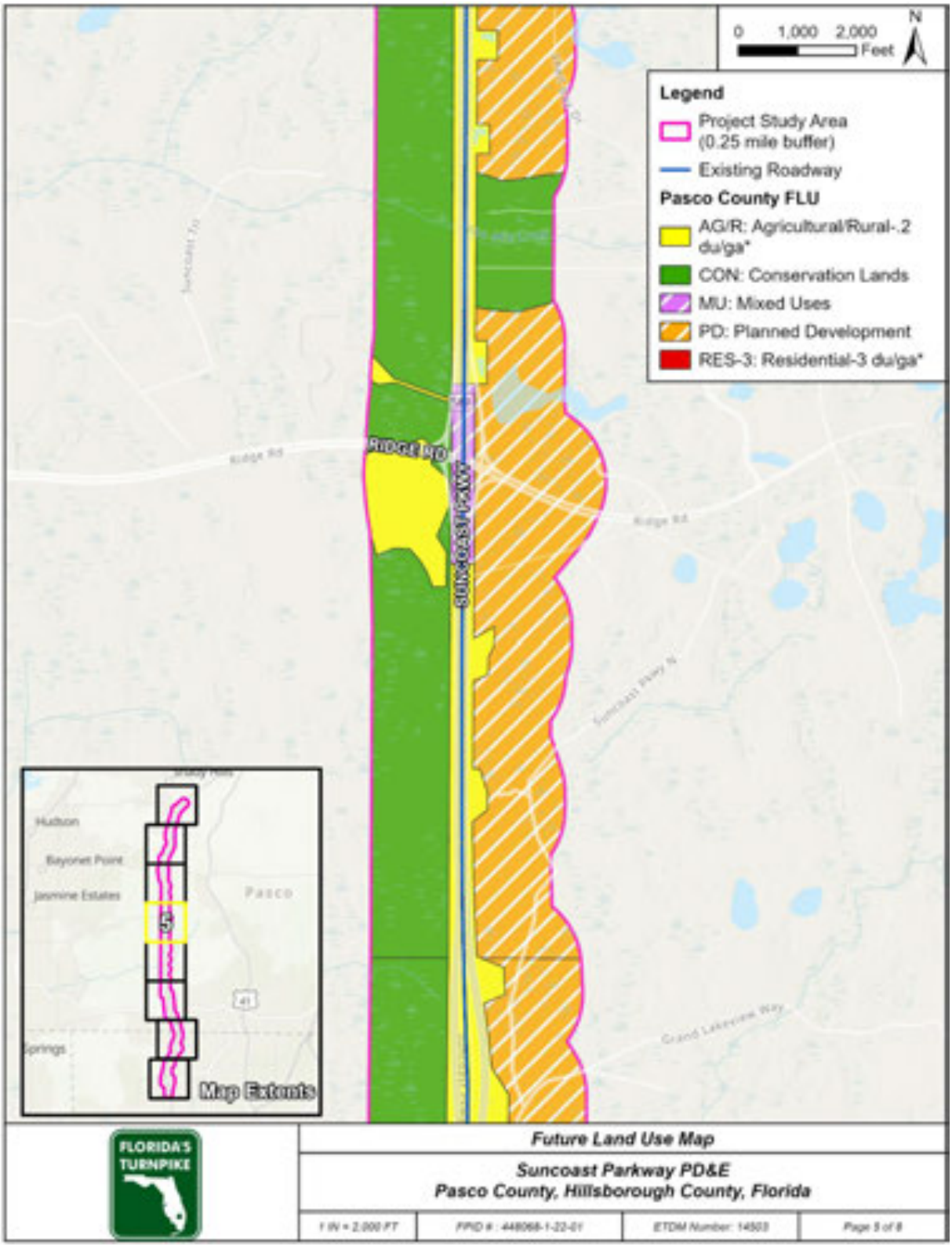


Figure 3-1: Future Land Use Map (Continued)

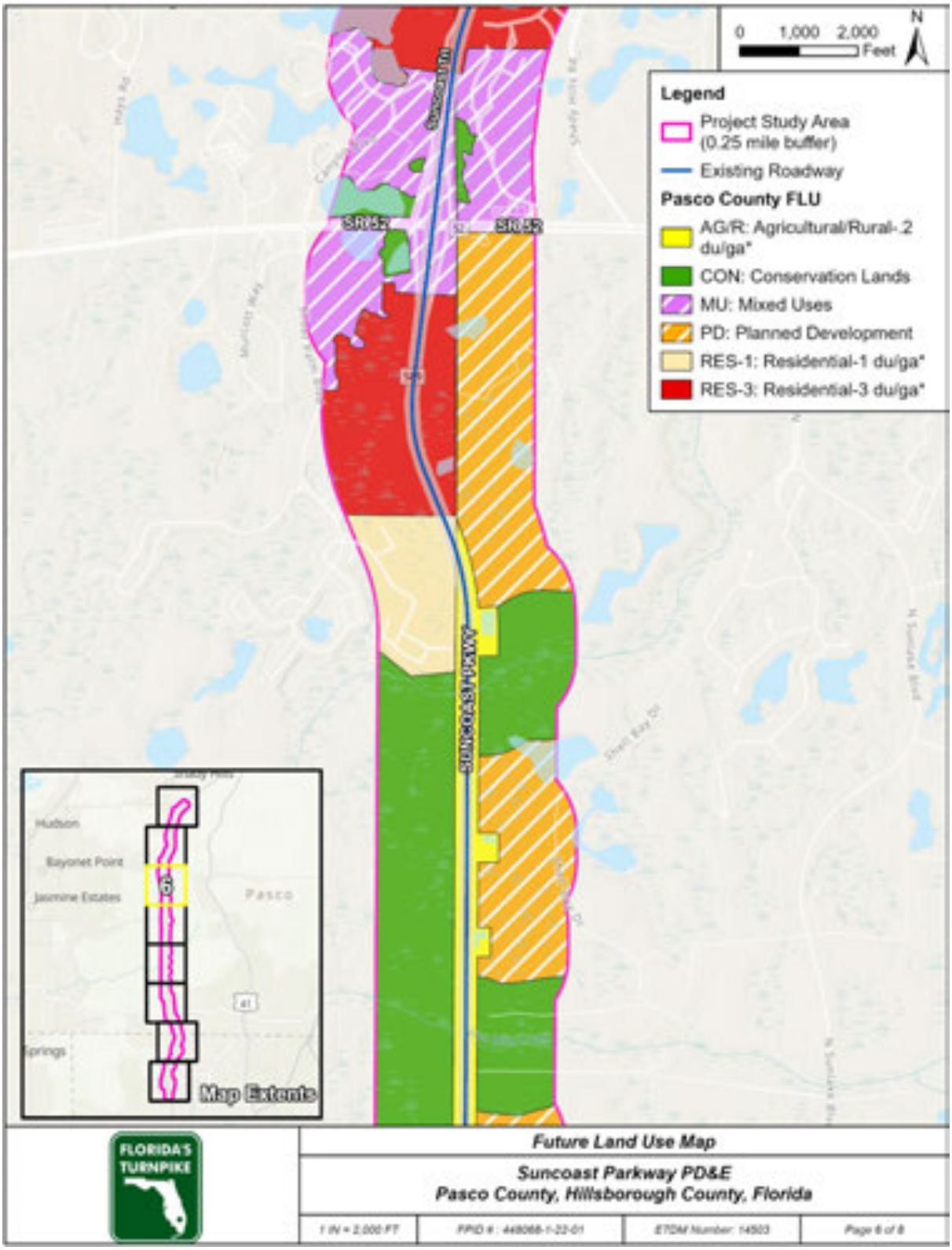


Figure 3-1: Future Land Use Map (Continued)

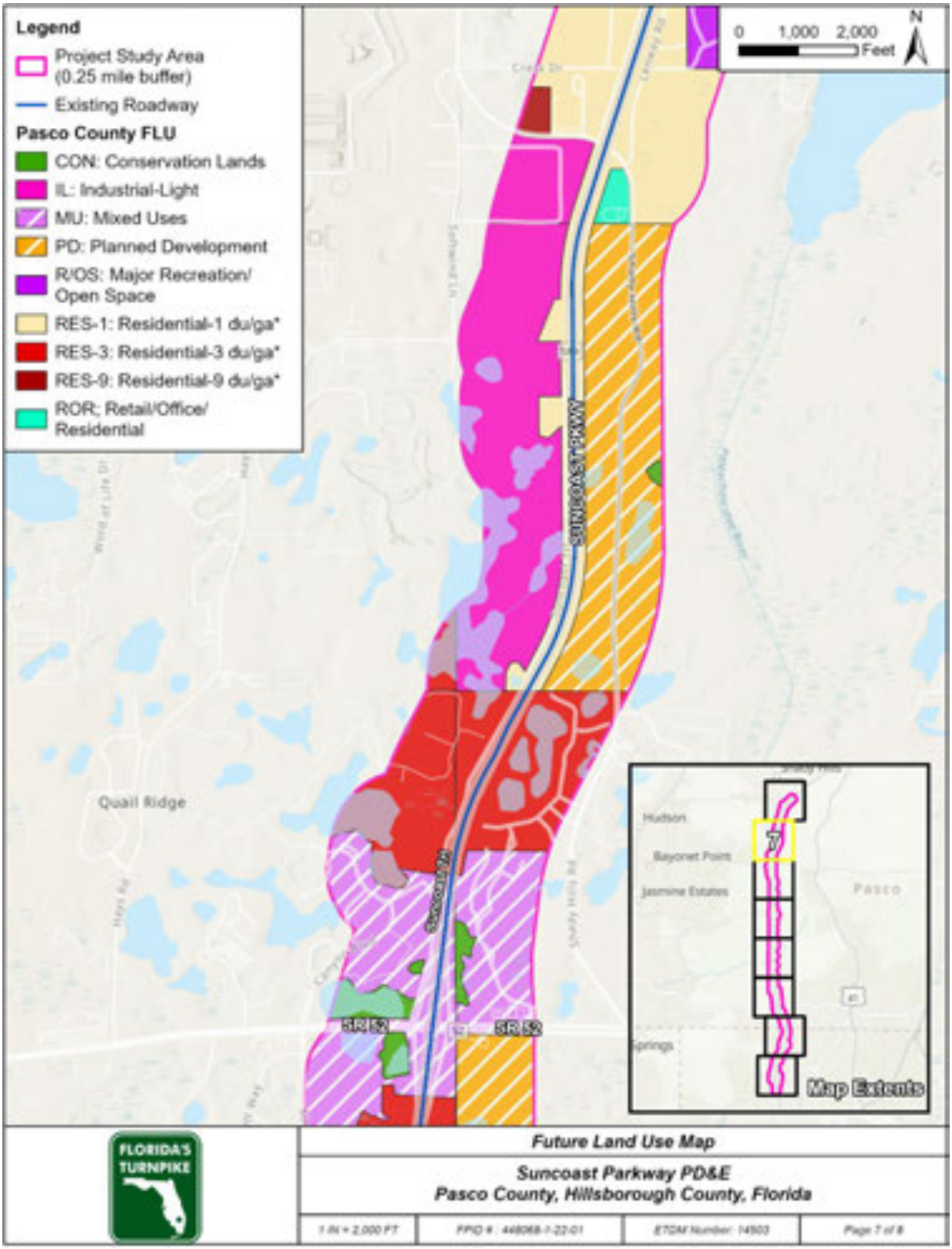
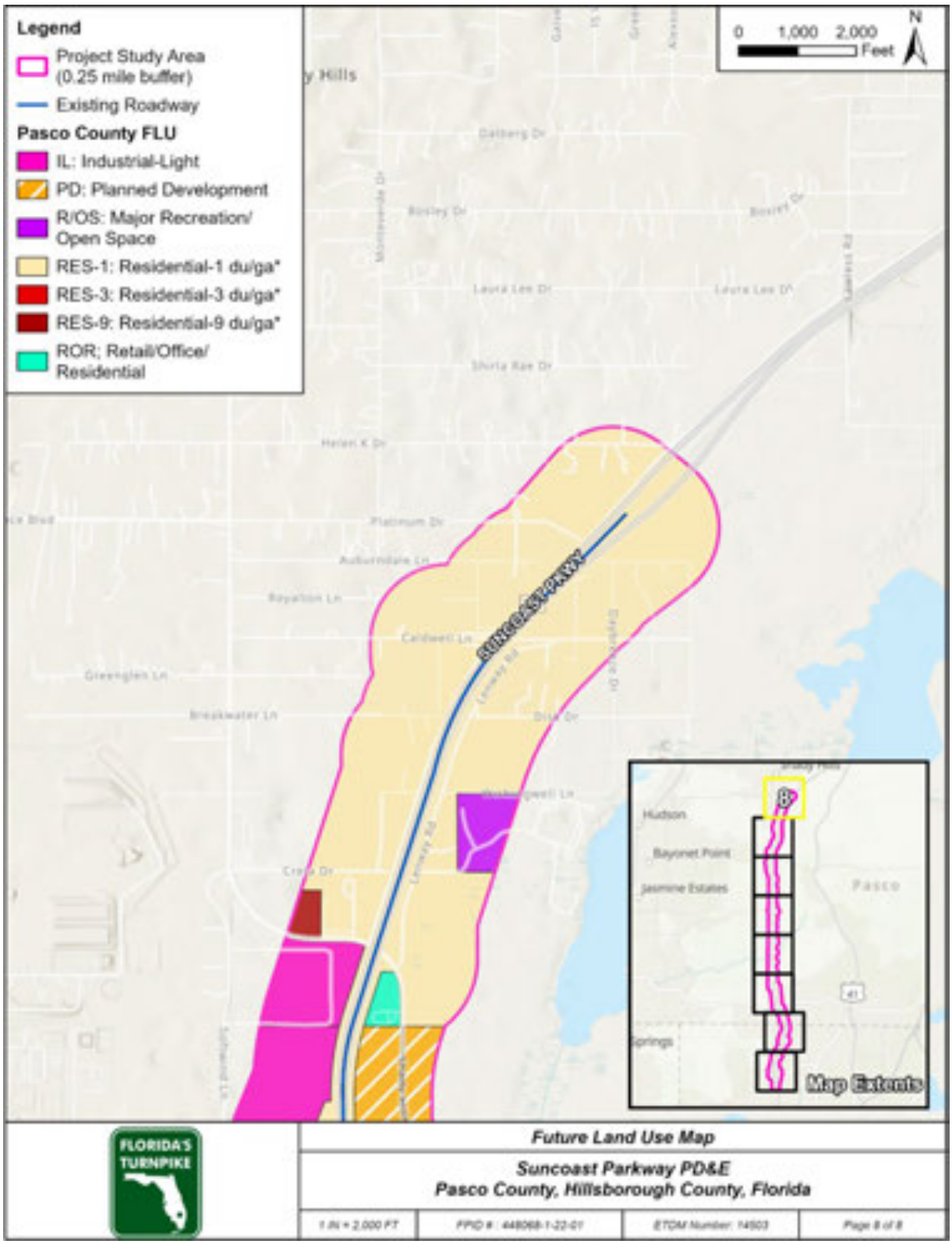


Figure 3-1: Future Land Use Map (Continued)



4.0 DESIGN CONTROLS & CRITERIA

Design standards are well defined for Florida's limited access facilities. Design standards and criteria provide the framework for evaluating the current geometry, existing deficiencies, and future design to meet the mobility needs of the corridor. Specifically, they help establish the roadway typical section, cross sections, and acceptable interchange configurations. Roadway design elements and applicable design standards considered in the design of the proposed improvements for the project corridor is summarized in this section.

4.1 DESIGN CONTROLS

Roadway context classification provides information to planners and engineers of the type of users and the intensity of the use based on the existing or future land use characteristics. The design criteria and standards are based on design parameters outlined in 2018 American Association of State Highway Transportation Officials (AASHTO) - *A Policy on Geometric Design of Highways and Streets*, FDOT Design Manual (FDM) (FDOT, 2025), FDOT Standard Plans for Road and Bridge Construction 2025, Turnpike Design Handbook (TDH) 2022.

4.2 DESIGN CRITERIA

The design criteria and standards are based on design parameters outlined in the 2018 American Association of State Highway Transportation Officials (AASHTO) - A Policy on Geometric Design of Highways and Streets, FDOT Design Manual (FDM) (FDOT, 2025), and FDOT Standard Plans for Road and Bridge Construction 2025. **Table 4-1** lists the roadway design criteria established for the project, and **Table 4-2** lists the stormwater and drainage related criteria.

Table 4-1: Roadway Design Criteria

Design Element	Facility Type	Criteria	Reference	Section
Design Speed (DS)/Posted Speed				
	Suncoast Parkway (Mainline)	70 mph		
	Suncoast Parkway (Ramps)	30-50 mph		
	Veterans Expressway	70 mph		
	Van Dyke Rd.	45 mph		
	W Lutz Lake Fern Rd.	45 mph		
	SR 54	45 mph		
	Ridge Rd.	45 mph		
	SR 52	45 mph		
Borders				
	Freeways / Ramps	94 ft. from outside edge of travel way to R/W 10 ft min. from the back of a barrier or retaining wall if maintenance vehicles have sufficient access from public R/W	FDM	Sec. 211.6 & 211.6.1
	Urban General	12 ft. (Curbed; DS = 25-40 mph) 14 ft. (Curbed; DS = 45 mph) 33 ft. (Flush Shoulder; DS = 25-45 mph)	FDM	Table 210.7.1
Clear Zone Width				
	Travel lane and multi-lane ramps	36 ft. (DS ≥ 60mph)	FDM	Table 215.2.1
	Aux. Lanes & Single Lane Ramps	24 ft. (DS ≥ 60 mph)		
		18 ft. (DS = 55 mph)		
		14 ft. (DS = 45-50 mph)		
		10 ft. (DS = 30-40 mph)		

Design Element	Facility Type	Criteria	Reference	Section
Horizontal Clearance				
Conventional Light Poles	High Speed Curbed and Flush Shoulder Roadway	20 ft. from Travel Lane / 14 feet from Auxiliary Lane	FDM	Table 215.2.1
High Mast Light Poles		Outside of Clear zone		
Poles (Light, ITS Signals)	Curbed Roadways	4.0 ft. (DS = 40-45 mph)		
		1.5 ft. (DS = 25-35 mph)		
Trees		4.0 ft. (DS = 40-45 mph)		
		1.5 ft. (DS = 25-35 mph)		
Travel Lane Widths				
	LA Facilities	12 ft.	FDM	Sec. 211.2
	Ramps	15 ft. min. one-lane	FDM	Sec. 211.2.1
		24 ft. min. two-lane		
	Ramp Width - Turning Roadways	Based on Curve Radius and Vehicle Type	FDM	Table 211.2.1
	Urban General	10 ft. (DS = 25-35 mph)	FDM	Table 210.2.1
		11 ft. (DS = 40-45 mph)		
		12 ft. (DS ≥ 50 mph)		
Auxiliary Lane				
Width	Limited Access Facilities	12 ft.	FDM	Sec. 211.2
	Urban General	10 ft. (DS = 25-35 mph)	FDM	Table 210.2.1
		11 ft. (DS = 40-45 mph)		
		12 ft. (DS ≥ 50 mph)		
Length	Min. Acceleration	Based on design speed	AASHTO	Table 10-110
	Min. Deceleration		AASHTO	Table 10-115
	Min. Separation Distance	1500 ft.	FDM	Sec. 211.12.2
Cross Slope	Limited Access Facilities	Same as adjacent lane or greater	FDM	Sec. 211.2.2
Aux. Lane Drop	Within an Interchange	500-1500 ft.	AASHTO	Figure 10-52D
	Beyond an Interchange	2,500 ft.	AASHTO	Figure 10-52E

Design Element	Facility Type	Criteria	Reference	Section
Shoulders				
Width	General travel lanes 3-lane or more outside	12 ft. full / 10 ft. paved	FDM	Table 211.4.1
	Express lanes	12 ft. fully paved		
	Aux Lane	12 ft. full / 10 ft. paved		
	1 - Lane Ramps	6 ft. full Outside: 4 ft. paved / median: 2 ft. paved		
	2 - Lane Ramps	Outside: 12 ft. full / 10 ft. paved Median: 8 ft. full / 4 ft. paved		
Shoulder Rocking		Cross slope: 0.03 - 0.06 in tangent sections	FDM	Sec 211.4.2.1
		Longitudinal gutter grade: min 0.24%		
Cross Slopes				
Max. No. of Lanes Sloped in One Direction		5 lanes (DS = 70 mph)	FDM	Figure 210.2.1
Travel Lanes and Shoulder Slopes	Bridges	0.02	FDM	Sec. 260.4
	Aux. lane	Same as adjacent lane or greater	FDM	Sec. 211.2.2
	Shoulders	0.06 outside / 0.05 median (0.06 inside if lane slopes toward median)	FDM	Sec. 210.4.2
Max. Algebraic Difference in Cross Slope	Between Through Lanes	0.04	FDM	Sec. 211.2.2
	Turning Roadways Terminals	5.0% (DS ≥ 35 mph)	FDM	Table 211.2.2
Roadside Slopes				
Front Slope	Flush Shoulder and High Speed Curbed	1:6 to edge of Clear Zone, then 1:4 (5-10 ft. fill height) 1:6 to edge of Clear Zone, then 1:3 (10-20 ft. fill height) 1:2 with Guard Rail (>20 ft. fill height).	FDM	Table 215.2.3
Transverse Slopes	Freeway & Interstate	1:10 or flatter	FDM	Table 215.2.3
	All Others	1:4		

Design Element	Facility Type	Criteria	Reference	Section
Horizontal Curves				
Max. deflection without horizontal curve	Limited Access Facilities	0° 45' 00" (DS ≥ 45 mph)	FDM	Sec. 211.7.1
	Arterial	2° 00' 00" (DS ≤ 40 mph)	FDM	Sec. 210.8.1
Min. Length of Curve	Limited Access Facilities & Ramps	2100 ft. Desirable / 1050 ft. Minimum (DS = 70 mph)	FDM	Table 211.7.1
Superelevation				
Max. Super Elevation Rate	High Speed Roadways	e_{max} = .10	FDM	Table 210.9.1
Min. Radius for e = NC		14,714 ft. (DS = 70 mph)		
Min. Radius for e = RC		10,955 ft. (DS = 70 mph)		
Min. length of full super within horizontal curve		200 ft. (DS ≥ 50 mph) 100 ft. (DS ≤ 45 mph)	FDM	Sec. 210.9
Superelevation transition slope rates	High Speed Roadways	1:190 (DS = 65-70 mph; 4-lanes or more) 1:170 (DS = 55-60 mph; 4-lanes or more)	FDM	Table 210.9.3
	Low Speed Roadways	1:125 (DS = 40 mph) 1:150 (DS = 45 mph)		
Superelevation transition slope location	Reverse Curves	80% of the transition for each curve on the tangent (50% max)	FDM	Sec. 210.9.1
Sight Distance				
Min. Stopping Sight Distance	Interstate	820 ft. (DS = 70 mph, Grade ≤ 2%)	FDM	Table 211.10.1
	Ramps	200-425 ft. (DS = 30-50 mph, Grade ≤ 2%)	FDM	Table 211.10.2
Roadway Transitions				
Merging Taper Length	Limited Access Facility	L = WS for DS ≥ 45 mph or L = WS^2 /60 for DS ≤ 40 mph (L = length of taper; W = width of lateral transition in feet; S = speed in mph)	FDM	Sec. 211.2.4
	Arterial		FDM	Sec. 210.2.5
Shifting Taper Length	Limited Access Facility	L/2 = WS/2 (L = length of taper; W = width of lateral transition in feet; S = speed in mph)	FDM	Sec. 211.2.4
	Arterial		FDM	Sec. 210.2.5
Shoulder Taper Length	Limited Access Facility	L/3 = WS/3 (L = length of taper; W = width of lateral transition in feet; S = speed in mph)	FDM	Sec. 211.2.4
	Arterial		FDM	Sec. 210.2.5
Deflection Angle	Exit Ramp	±4°	SP	000-525

Design Element	Facility Type	Criteria	Reference	Section
Interchange and Ramp Spacing				
Access Management	Area Type 2	1 mile	FDM	Table 201.4.1
Min. distance from gore nose to adjacent ramp	On – On / Off - Off	1,000 ft.	FDM	Figure 211.12.1
	Off - On	500 ft.		
	Turning roadways	800 ft. (System interchange) 600 ft. (Service interchange)		
	On - Off	Varies (See figure 211.12.1)		
Vertical Curves				
	Minimum K value crest	506 (Interstate) / 401 (Ramps) (DS = 70 mph)	FDM	Table 211.9.2
	Minimum K value sag	206 (Interstate DS = 70 mph)	FDM	Table 211.9.2
	System Interchange K value	Value for higher system ramp speed	FDM	Table 211.9.2
	Mainline min. length:	Sag = 800 ft.	FDM	Table 211.9.3
		Crest (Open Highway) = 1,000 ft.		
	Ramp min. length:	Sag = 400 ft. Crest = 500 ft. (DS = 70 mph)	FDM	Table 211.9.3
Grades				
	LA Facilities 70 MPH design speed	0.03	FDM	Table 211.9.1
	Max. change w/o VC (70 MPH)	0.20%	FDM	Table 210.10.2
Vertical Clearance				
Roadway or Railroad Bridge	Over Arterial or Collector Roadway	16.5 ft. (New Construction) 16.0 ft. (Const. Affecting Exist. Bridges)	FDM	Table 260.6.1
	At bridge deck	14 ft.		
Pedestrian bridge	Over Roadways	17.5 ft. (New Construction) 17.0 ft. (Const. Affecting Exist. Bridges)		
Bridge	Over Water	Drainage: 2 ft. above DHW Navigation: 6 ft. above MHW / NHW / Control Elev.	FDM	Sec. 260.8.1

Design Element	Facility Type	Criteria	Reference	Section
Base Clearance		3 ft.	FDM	Sec. 210.10.3
Signs	Overhead Sign Structures	17.5 ft. New Sign Structures 17 ft. min. Affecting Existing Structures	FDM	Sec. 210.10.3
	Dynamic Message Sign (DMS) structures	19.5 ft. New Walk-In Structures 19 ft. min. Affecting Existing Structures		
Signals	Span Wires, Mast Arms, or Other	17.5 ft. New Signal Structures 17 ft. min. Affecting Existing Structures		
Design Vehicle				
	Single lane ramps the lane width provided for turning movements	WB-62FL	FDM	Sec. 201.6.2
	Tandem Trucks facilities	WB-109D	FDM	Sec. 201.6

****ABBREVIATIONS:**

FDM	**FDOT Design Manual, 2025**
AASHTO	**A Policy on Geometric Design of Highways and Streets - American Association of State Highway and Transportation Officials, 2018**
SP	**State of Florida Department of Transportation Standard Plans, Fiscal Year 2025 – 2026**

Table 4-2: Drainage Design Criteria

Design Parameters		Description	Design Criteria
Stormwater Management	Water Quality	Treatment volume of 1" over contributing basin.	SWFWMD A.H. Vol. II Section 4.1a
	Water Quantity	Pre & Post offsite discharge for the 25-year 24-hour storm event.	SWFWMD A.H. Vol. II Section 3.1
FEMA Floodplains	Compensation	No net encroachment to the FEMA 100-year event	SWFWMD A.H. Vol. II Section 3.3
Pond Geometry	Width	100-foot minimum width	SWFWMD A.H. Vol. II Section 5.4.1
	Depth	At least 1 foot below the control elevation. At least 2 feet above drinking water aquifers.	
	Side Slopes	No steeper than 4H:1V	
	Freeboard	1-foot above design high water elevation measured to the inside of berm. 0.5 feet for linear treatment swales.	
Bridge Hydraulics	Bridge Storm Event	50-year storm event for bridges over an AADT of 1500.	FDOT Drainage Manual Section 4.3.1
	Scour Storm Event	100-year storm event, and 500-year storm event as the design check flood.	FDOT Drainage Manual Section 4.9.2.2
	Vertical Clearance	2 feet minimum between the design peak stage and the low member of the bridge	FDOT Design Manual Section 260.8.1

5.0 ALTERNATIVES ANALYSIS

5.1 NO-BUILD (NO-ACTION) ALTERNATIVE

The No-Build Alternative assumes that the widening of the Suncoast Parkway and associated interchange improvements are not constructed. Only those other projects included in the Hillsborough TPO and Pasco County MPO LRTP Cost Feasible Plans were assumed to be provided to meet the transportation need. The results of the No-Build Alternative analysis formed the basis of the comparative analysis for the Build Alternatives.

The advantages of the No-Build Alternative include:

- No direct or secondary impact to adjacent social, cultural, natural, or physical environments
- No utility impacts
- No expenditure of funds for right-of-way acquisition, design, or construction

The disadvantages of the No-Build Alternative include:

- Does not address vehicular travel demands
- Does not alleviate traffic on the Suncoast Parkway
- Rate of crashes in the study area would likely increase

The No-Build Alternative will remain viable throughout the PD&E Study.

5.2 TRANSPORTATION SYSTEMS MANAGEMENT & OPERATIONS (TSM&O) ALTERNATIVE

The TSM&O Alternative considers safety and minor operational improvements to existing facilities that may include additional turn lanes, intersection improvements, traffic signal optimization, ITS technology implementation, and/or pavement marking improvements to enhance safety and mobility. No TSM&O Alternative can fulfill the purpose and need for the project; therefore, no TSM&O options were identified for the study. The primary purpose and need for this project is to relieve current and projected future traffic congestion and enhance safety along the Suncoast Parkway mainline. A TSM&O alternative would only provide short-term operational improvements and not address Year 2050 corridor-wide needs.

5.3 MULTI-MODAL ALTERNATIVES

Multi-modal alternatives are comprised of a range of improvements to each of the modal systems (roadway, transit and non-motorized) within a specific study area. The most common are travel demand management and the expansion of current facilities and/or development of new facilities.

The Suncoast Parkway is a limited access facility, therefore, will continue to have no designated pedestrian or bicycle accommodations along the corridor. Access to the Suncoast Trail, which runs adjacent to the project corridor, will be maintained. The proposed improvements also evaluated the potential to provide safer connections for bicyclists and pedestrians along the cross-streets within the study area.

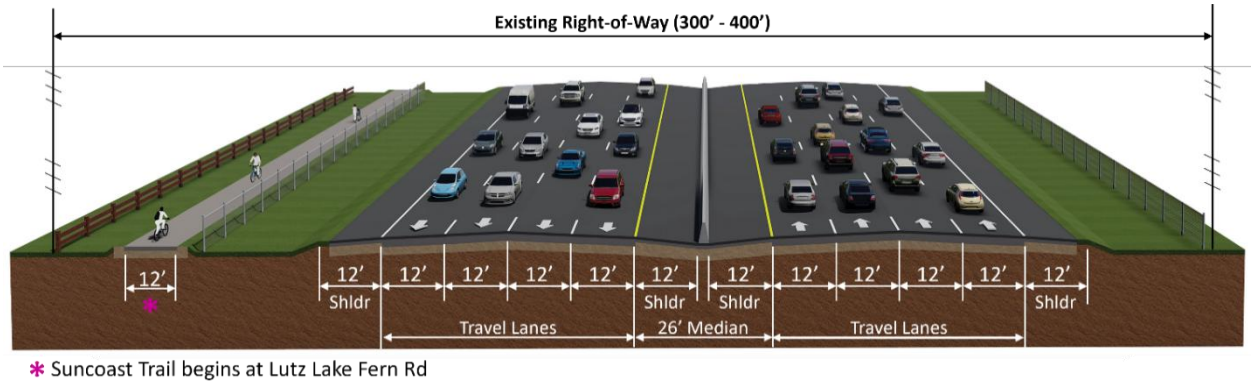
5.4 BUILD ALTERNATIVES

The objective of this PD&E Study is to evaluate improvements that will address existing and projected operating deficiencies along this section of the Suncoast Parkway. To keep up with the growing traffic demand within the study area, the proposed alternatives were evaluated based on travel demand, capacity, signing, access and right-of-way availability. Evaluation along the Suncoast Parkway was broken out into two segments defined earlier in this report. Segment 1 extends from south of Van Dyke Road to north of SR 54, and Segment 2 extends from north of SR 54 to SR 52. Below is a summary of the alternatives considered by segment and interchange.

5.4.1 Mainline - South of Van Dyke Road to North of SR 54

One Build Alternative was developed for this segment. The proposed improvement from south of Van Dyke Road to north of SR 54 includes reconstruction with eight 12-foot-wide travel lanes (four lanes in each direction) separated by a 26-foot-wide median with a barrier wall (**Figure 5-1)**.

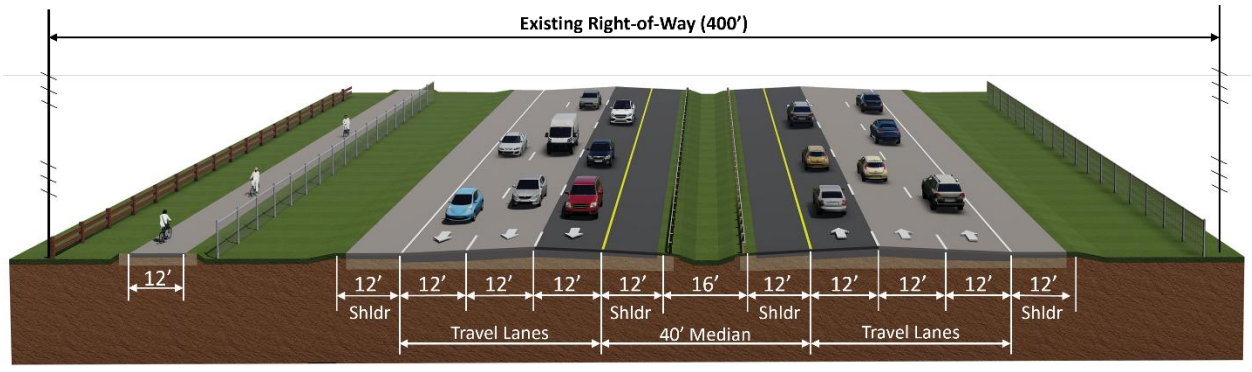
Figure 5-1: Build Alternative Typical Section – South of Van Dyke Road to North of SR 54



5.4.2 Mainline - North of SR 54 to SR 52

One Build Alternative was developed for this segment. The proposed improvement from north of SR 54 to SR 52 includes widening to the inside to include six 12-foot-wide travel lanes (three lanes in each direction) separated by a 40-foot wide median (**Figure 5-2)**.

Figure 5-2: Build Alternative Typical Section – North of SR 54 to SR 52



5.4.3 Van Dyke Road Interchange

Van Dyke Road is an east-west undivided roadway located in Hillsborough County with one lane in each direction, flushed shoulders, and auxiliary lanes at the interchange ramp terminal approaches. A raised traffic separator is located under the Suncoast Parkway overpass dividing eastbound from westbound vehicular traffic. The existing interchange configuration is a conventional diamond interchange with northbound and southbound on and off ramps connecting Suncoast Parkway traffic with Van Dyke Road. Hillsborough County is currently preparing a study and design plans for the widening of Van Dyke Road to four lanes divided through the interchange.

FDOT's Capacity Analysis at Junctions (CAP-X) tool was used to screen options for the Suncoast Parkway interchange at Van Dyke Road. Three interchange configurations were considered including a tight diamond, partial cloverleaf, and diverging diamond interchange. The diamond interchange configuration was selected as the preferred build alternative based on its ability to accommodate travel demands, minimal impacts, ease of construction, and anticipated costs. The partial cloverleaf and single-point configurations would operate at a lower volume to capacity (V/C) ratio; however, they would require extensive cost and reconstruction of the existing interchange. Modifying the existing diamond interchange would meet the operational needs for the Design Year.

Proposed modifications to this interchange include the following:

- Adding a second left turn lane from the Suncoast Parkway northbound and southbound off-ramps onto Van Dyke Road
- Extending the right turn lane from the southbound off-ramp to Ramblewood Road
- Adding a shared-use path along the north side of Van Dyke Road between the interchange ramp terminals (Hillsborough County is proposing a shared-use path on the south side)

The Build Alternative for the Van Dyke Road interchange is shown in **Figure 5-3**. The proposed modifications will not impact existing stormwater management facilities.

Figure 5-3: Van Dyke Road Interchange Alternative

5.4.4 Lutz Lake Fern Road Interchange

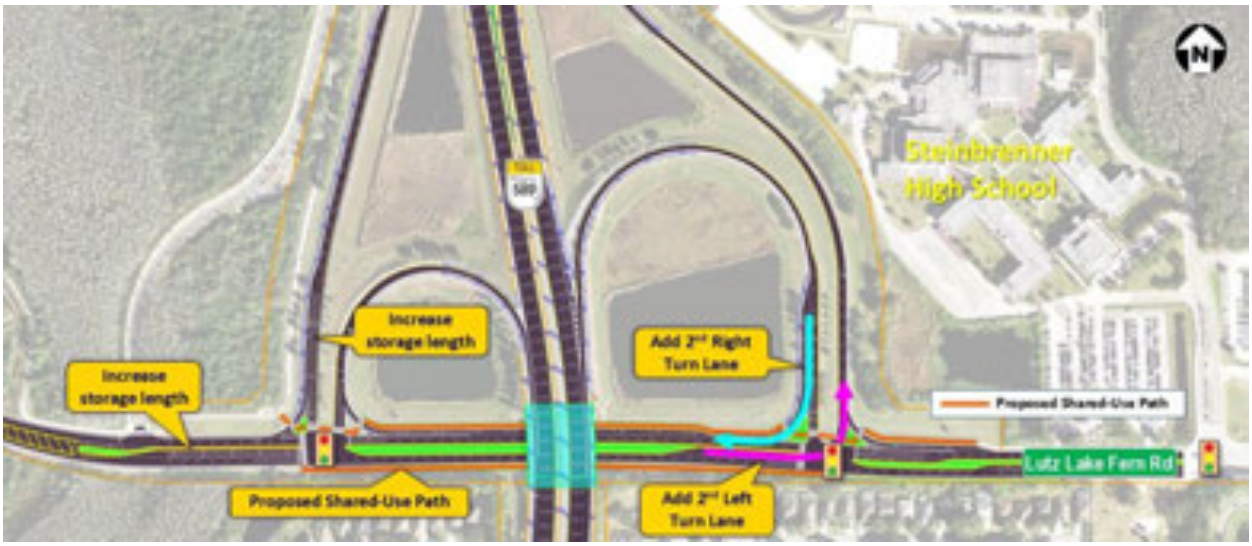
Lutz Lake Fern Road is an east-west connector roadway located in Hillsborough County. It consists of a four-lane divided curbed roadway section with two travel lanes in each direction and auxiliary lanes separated by a raised median within the limits of this study. Outside of the interchange area, beyond the study limits, Lutz Lake Fern Road is a two-lane undivided roadway with flushed shoulders. The existing interchange configuration is a partial cloverleaf interchange with loop ramps located on the north side of Lutz Lake Fern Road.

FDOT's CAP-X tool confirmed that modifying the existing partial cloverleaf interchange would meet the operational needs for the Design Year. One build alternative was evaluated for this interchange. The proposed modifications at this interchange include:

- Adding a second right turn lane from the Suncoast Parkway northbound off-ramp onto westbound Lutz Lake Fern Road
- Adding a second left turn lane from eastbound Lutz Lake Fern Road to the Suncoast Parkway northbound on-ramp
- Extending the storage queue length for all lanes at the Suncoast Parkway southbound off-ramp
- Extending the storage queue length for the left turn lanes from eastbound Lutz Lake Fern Road to the Suncoast Parkway southbound on-ramp
- Adding of a shared-use path along both side of Lutz Lake Fern Road within the interchange area.

The Build Alternative for the Lutz Lake Fern Road interchange is shown in **Figure 5-4**. The proposed modifications will not impact existing stormwater management facilities.

Figure 5-4: Lutz Lake Fern Road Interchange Alternative



5.4.5 SR 54 Interchange

SR 54 is an east-west divided roadway located in Pasco County with three lanes in each direction, flush shoulders, and auxiliary lanes at the interchange ramp terminal approaches. A grass median separates east and westbound traffic. The existing interchange configuration is a conventional diamond interchange with northbound and southbound on and off ramps connecting the Suncoast Parkway with SR 54.

A previous study, *Suncoast Parkway – Pasco County Interchange Planning Study*, was completed by the Enterprise in 2019 and identified the need to reconfigure the SR 54 interchange or provide a reliever interchange to maintain acceptable operations beyond 2045. This includes consideration of a TSM&O project, constructed in 2023 by the Enterprise, that added a third left turn lane, and a second right turn lane from the northbound off-ramp. The planning study recommended to further evaluate a diverging diamond and partial cloverleaf interchange option.

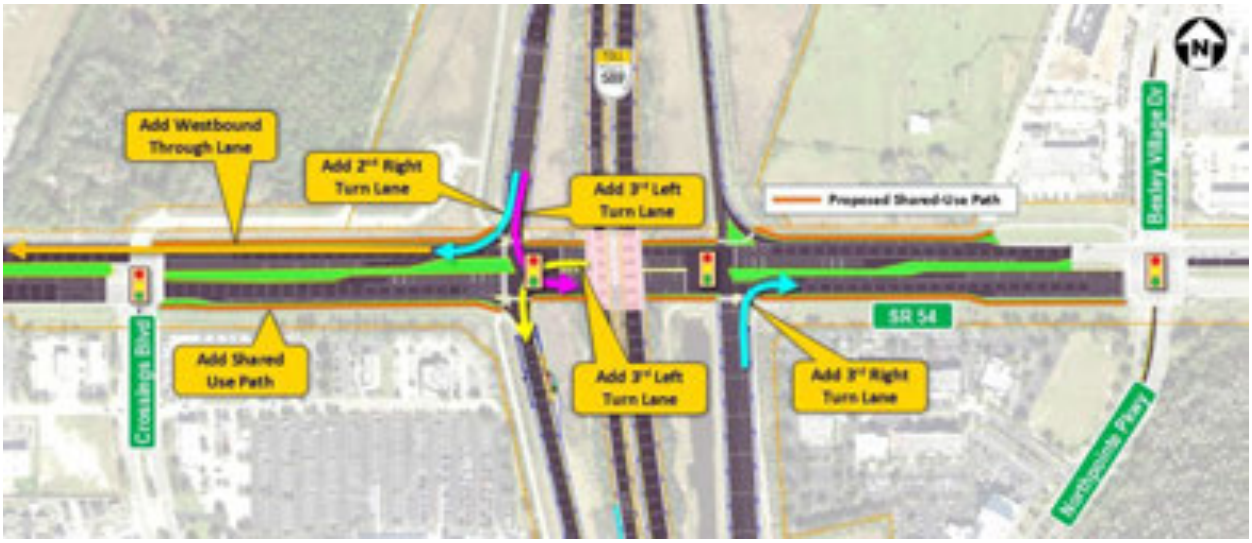
During the PD&E Study, FDOT's CAP-X tool was used to screen options for the SR 54 interchange. Two build alternatives were proposed at the SR 54 interchange: a tight diamond interchange and a diverging diamond interchange alternative.

The tight diamond interchange alternative includes the addition of a right turn lane to the northbound off ramp, an additional right and left turn lane to the southbound off ramp, and an additional left turn lane from westbound SR 54 to the southbound on ramp.

Along State Road 54, an additional through lane would be added in the westbound direction beginning at the southbound off ramp, continuing past Crossings Boulevard, and up to South Branch Boulevard. Improvements would also include a shared-use path on both sides within the interchange area.

The Build Alternative for the SR 54 tight diamond interchange option is shown in **Figure 5-5**. The proposed modifications will not impact existing stormwater management facilities.

Figure 5-5: SR 54 Tight Diamond Interchange Alternative



The diverging diamond interchange alternative requires the lanes in a diverging diamond to briefly cross over from the right side to the left side of the roadway between ramps. The lanes then change back to the right side of the road. Improvements related to the diverging diamond interchange would include a shared-use path on both sides to accommodate bicyclists and pedestrians. Bicyclists or pedestrians crossing the State Road 54 interchange would follow the crosswalk to a central walkway to access either side of the interchange.

The Build Alternative for the SR 54 diverging diamond interchange option is shown in **Figure 5-6**.

Figure 5-6: SR 54 Diverging Diamond Interchange Alternative

The tight diamond interchange configuration was selected as the Build Alternative for the SR 54 interchange based its ability to accommodate travel demands, minimal impacts, ease of construction, and anticipated costs. The diverging diamond also accommodates travel demands but is more expensive to construct when compared to modifying the tight diamond interchange.

5.4.6 Rangeland Boulevard Interchange

Rangeland Boulevard is a planned roadway extension by Pasco County that would begin at the current terminus at Cattle Gap Trail, continue across the Suncoast Parkway about one mile north of SR 54, and tie into the existing roundabout at Bud Bexley Parkway, a distance of approximately 3.4 miles.

Previous studies have identified the feasibility and benefits with providing an interchange at Rangeland Boulevard, if constructed. The PD&E Study for the original construction of the Suncoast Parkway, completed in August 1994, identified an interchange with the Bi-County Expressway. At the time, the Pasco County Expressway Authority was conducting a PD&E Study for a new east-west limited access highway that would follow the current planned route for Rangeland Boulevard. The Bi-County Expressway was never constructed. Instead, Pasco County is now planning to extend Rangeland Boulevard to improve regional mobility and connectivity.

If Rangeland Boulevard is constructed, it becomes a favorable location for a new interchange as it would help relieve traffic at the SR 54 interchange. The *Suncoast Parkway – Pasco County Interchange Planning Study*, completed in 2019, recommended an interchange at Rangeland Boulevard (identified as Tower Road in the report) as it would divert approximately 32% of the traffic from the SR 54 interchange. The 2019 planning study considered three alternatives for a potential interchange at Rangeland Boulevard:

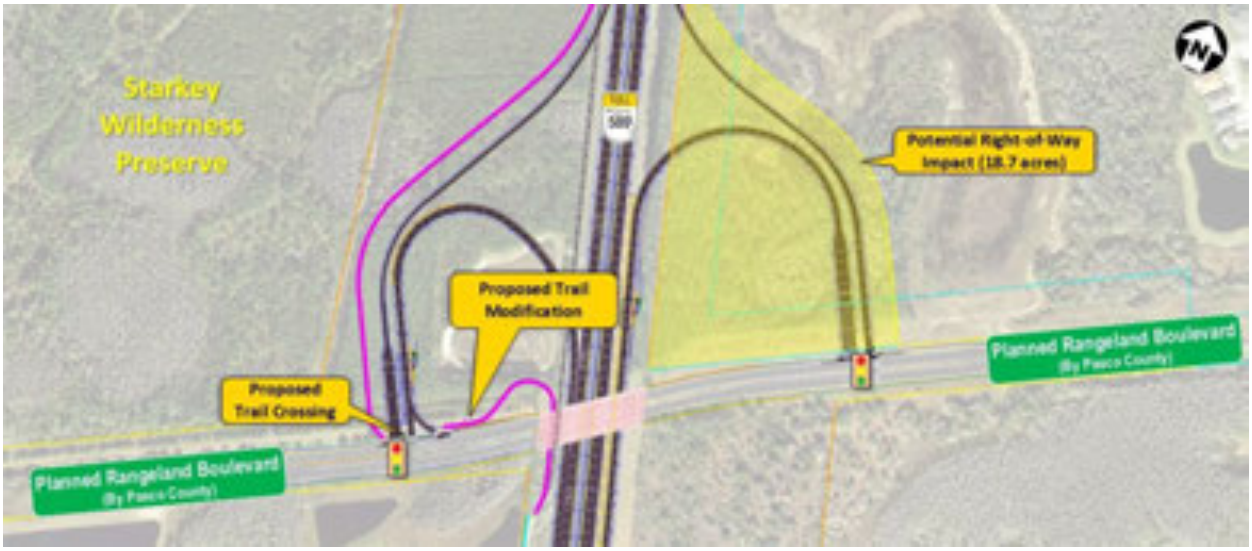
1. Collector/distributor (C/D) between SR 54 and Rangeland Boulevard with a tight diamond interchange at Rangeland Boulevard
2. Single point urban interchange (SPUI)
3. Partial cloverleaf interchange with the southbound on-ramp and northbound off-ramp located on the north side of Rangeland Boulevard

The partial cloverleaf interchange was identified as the preferred alternative in the 2019 Planning Study since it shifts the southbound on-ramp and northbound off-ramp further to the north from SR 54 and thus provides additional distance between the two interchanges. The C/D alternative was eliminated due to the high cost. The report also noted that Pasco County has not programmed funding to the construction of Rangeland Boulevard and that the Enterprise should continue to monitor the funding status.

During the PD&E Study, FDOT's CAP-X tool was used to screen options for the Suncoast Parkway interchange at Rangeland Boulevard. Two interchange configurations were screened. The first option included a partial cloverleaf with the ramp terminal intersections under signal control and the second option included a partial cloverleaf with roundabouts at the ramp terminals. The partial cloverleaf interchange with signalized intersections was selected as the preferred build alternative based on its ability to accommodate travel demands. Ultimately, Pasco County determined the need to provide six lanes on Rangeland Boulevard which would have eliminated the ability to utilize roundabouts. FDOT policy does not allow roundabouts on six lane facilities.

The Build Alternative for the Rangeland Boulevard interchange option is shown in **Figure 5-7.** Construction of the interchange at Rangeland Boulevard requires 18.7 acres of right-of-way in the northeast quadrant of the interchange. The construction of the Rangeland Boulevard interchange will impact the existing pond in the northwest quadrant (Pond 15). Pond 15 will need to be reshaped. In addition, a new pond will be required in the northeast quadrant.

Figure 5-7: Rangeland Boulevard Interchange Alternative



5.4.7 Ridge Road Interchange

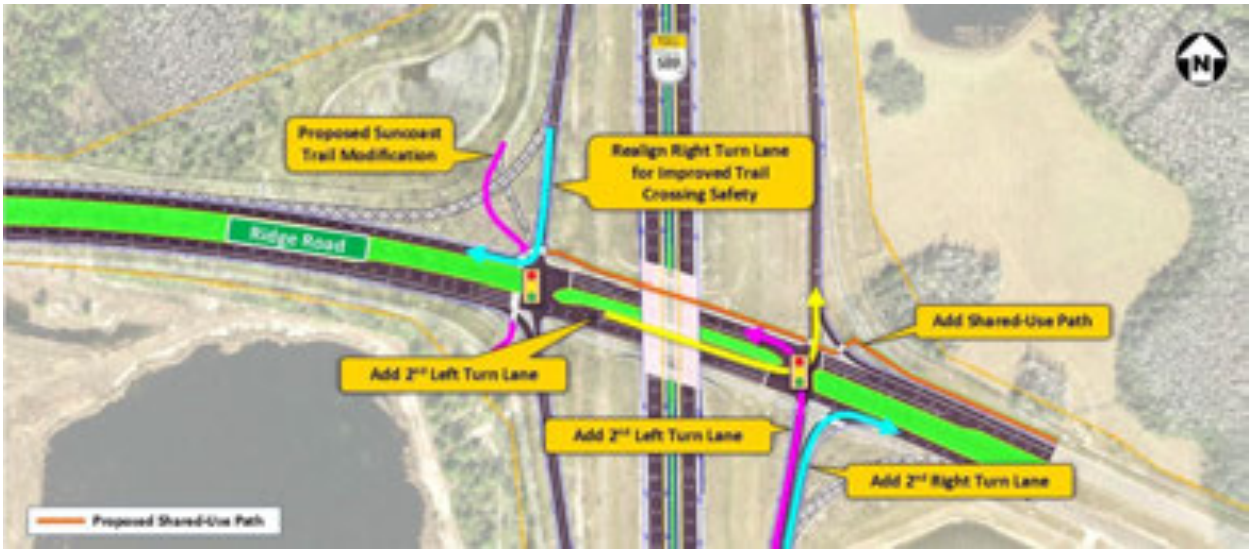
Ridge Road is an east-west divided roadway located in Pasco County with two lanes in each direction, flushed shoulders, and auxiliary lanes at the interchange ramp terminal approaches. A barrier wall is located under the Suncoast Parkway overpass dividing eastbound from westbound vehicular traffic. The existing interchange configuration is a conventional, unsignalized diamond interchange with northbound and southbound on and off ramps connecting Suncoast Parkway traffic with Ridge Road.

FDOT's CAP-X tool confirmed that modifying the existing diamond interchange would meet the operational needs for the Design Year. Proposed modifications at this interchange include:

1. Adding a second left and right turn lane from the Suncoast Parkway northbound off-ramp
2. Modifying the northbound and southbound off-ramp free flow right to signal control for improved crosswalk safety
3. Tightening the approach radius from eastbound and westbound Ridge Road to the on-ramp for improved crosswalk safety
4. Adding a second left turn lane from eastbound Ridge Road to the Suncoast Parkway northbound on-ramp
5. Adding of a shared-use path along the north side of Ridge Road within the interchange area.

See **Figure 5-8** for the proposed improvements at the Ridge Road interchange. The proposed modifications will not impact existing stormwater management facilities.

Figure 5-8: Ridge Road Interchange Proposed Improvements



5.4.8 SR 52 Interchange

SR 52 is an east-west divided roadway located in Pasco County with three lanes in each direction, curb and gutter, and auxiliary lanes at the interchange ramp terminal approaches. A raised traffic separator is located under the Suncoast Parkway overpass dividing eastbound from westbound vehicular traffic. The existing interchange configuration is a conventional, signalized diamond interchange with northbound and southbound on and off ramps connecting Suncoast Parkway traffic with SR 52.

FDOT's CAP-X tool confirmed that modifying the existing diamond interchange would meet the operational needs for the Design Year. Proposed modifications at this interchange include:

1. Adding a third left turn lane and a second right turn lane from the Suncoast Parkway northbound off-ramp
2. Adding a second right turn lane from eastbound SR 52 to the southbound on-ramp.

See **Figure 5-9** for the proposed improvements at the SR 52 interchange. The proposed modifications will not impact existing stormwater management facilities.

Figure 5-9: SR 52 Interchange Proposed Improvements

5.5 COMPARATIVE ALTERNATIVES EVALUATION

A comparative evaluation of the alternatives is provided in **Table 5-1**. The subsequent sections provide additional information in terms of engineering, socioeconomic, environmental, physical, traffic, and safety impacts, as well as cost estimates for each of the Build Alternatives.

Table 5-1: Evaluation Matrix

Evaluation Criteria	No-Build Alternative	Preferred Alternative
Meets Purpose and Need	X	✓
Improves Safety by Reducing Congestion	X	✓
Meet Future Traffic Operation Needs	X	✓
Improves Travel Times	X	✓
Improves Emergency Response and Evacuation Time	X	✓
Social and Economic		
Right-of-way Required (acres)	0	19
Number of Parcels Impacted	0	5
Number of Business Relocations	0	0
Number of Residential Relocations	0	0
Natural Resources		
Wetland Effects (acres)	0	6.75
Floodplains Effects (acre-ft)	0	13.39
Adverse Effects to Federal or State Species	No	Low
Physical Resources		
Existing Utilities Impacted	No	Low
Traffic Noise Effects	Medium	Medium
Potential Contamination Effects	No	Low
Costs ($ millions)		
Estimated Construction Cost ($ million)	$0	$817.3
Design Cost ($ million)	$0	$81.7
Construction Engineering & Inspection (CEI) Cost ($ million)	$0	$81.7
Estimated Right-of-Way Cost ($ million)	$0	$1.0
Environmental Mitigation Cost ($ million)	$0	$2.5
Total Costs ($ million)	**$0**	**$984.2**

5.5.1 Geometric Characteristics

The segment from south of Van Dyke Road to north of Lutz Lake Fern Road is designed for 60 mph. The recommended design speed for this facility is 70 mph. Upgrading the horizontal and vertical geometry to meet a 70 mph design speed requires reconstruction within this segment to meet horizontal curve, vertical curve, superelevation rate, and stopping sight distance criteria. The shift in the alignment results in the need for a quarter-acre sliver of right-of-way on the east side of the bridge over TPC Boulevard and the reconstruction of the bridges over TPC Boulevard and Lutz Lake Fern Road.

From north of Lutz Lake Fern Road to SR 52, mainline improvements are achieved by following the existing centerline alignment.

5.5.2 Suncoast Trail Modifications

An evaluation of the Suncoast Trail was conducted to identify any areas that may conflict with the clear zone for the Build Alternative. Two segments between SR 54 and Rangeland Boulevard were identified. The first segment is 350 feet long (Sta. 3333+00 to Sta. 3336+50), and the second segment is 1,050 feet long (Sta. 3341+00 to Sta. 3351+50). The trail would be reconstructed outside of the clear zone within these areas.

To accommodate a new interchange at Rangeland Boulevard, the trail would be reconstructed to the outside of the southbound off-ramp and trail users would cross Rangeland Boulevard through an at-grade crosswalk as shown in **Figure 5-7**.

There are five bridge crossings where the bridge carries both roadway and trail users. An evaluation was conducted to determine if the trail should be relocated to a separate trail bridge. Providing a separate trail bridge would improve the trail experience but may face permitting challenges and is more costly to construct. Providing a separate trail bridge is approximately $6 million more per location. Maintaining the trail on the roadway bridge was selected as the preferred Build Alternative as it would result in less environmental impacts and minimizes costs.

5.5.3 Drainage

Stormwater management and pond siting needs were evaluated for each of the 36 basins defined within the project limits. Through a review of permit documents and as-built plans, excess capacity is available for the future expansion of the Suncoast Parkway; however, modifications and regrading of the existing ponds are needed to meet minimum free board requirements. For the new interchange at Rangeland Boulevard, new ponds can be accommodated within the proposed in-field areas identified for roadway purposes. Additional information is documented in the *Pond Siting Report*.

5.5.4 Stakeholder Input

Throughout the duration of this PD&E Study, meetings were held with stakeholders that had interest in the project. At the meetings, stakeholders were updated on project developments and were asked to share information that could assist the project team in the development of the alternatives. Additional information related to stakeholder input is provided in Section 6.0.

5.6 SELECTION OF THE PREFERRED ALTERNATIVE

The Build Alternative was selected as the Preferred Alternative as it meets the purpose and need by accommodating future travel demands, improving travel time and reliability, and enhancing safety along the corridor.

6.0 AGENCY COORDINATION & PUBLIC INVOLVEMENT

6.1 AGENCY COORDINATION

The Efficient Transportation Decision Making (ETDM) process is the FDOT's procedure for reviewing qualifying transportation projects to consider potential environmental effects in the Planning phase. This process provides stakeholders the opportunity for early input, involvement, and coordination, provides for the early identification of potential project effects, and informs the development of scopes for projects advancing to the PD&E phase. Numerous local, regional, state, and federal agencies were identified as having an interest in this project through jurisdictional review or expressed interest. These agencies were identified and contacted through the Advance Notification (AN) process at the outset of the project.

Agency coordination has occurred throughout the PD&E phase of the project and will continue as the project moves forward into subsequent design and construction phases. Agency coordination documentation is included in the *Comments and Coordination Report*. **Table 6-1** lists the events to date.

Table 6-1: Agency Coordination Meetings

Agencies	Meeting Dates
Hillsborough County	11/15/23, 2/21/24, 3/25/24, 8/28/24
Hillsborough County School District	4/24/24, 5/1/24, 11/22/24
Hillsborough TPO Board	8/14/24, 4/9/25
Hillsborough TPO Citizens Advisory Committee (CAC)	8/7/24, 4/2/25
Hillsborough TPO Livable Roadways Committee (LRC)	8/21/24
Hillsborough TPO Technical Advisory Committee (TAC)	6/3/24, 4/7/25
Pasco County	5/12/23, 9/20/23, 12/20/23, 2/15/24, 8/13/24, 12/5/24, 12/19/24, 2/11/25
Pasco MPO Board	6/13/24, 4/10/25
Pasco MPO Bicycle and Pedestrian Advisory Committee (BPAC)	6/5/24, 4/2/25
Pasco MPO Citizens Advisory Committee (CAC)	6/5/24, 4/2/25
Pasco MPO Technical Advisory Committee (TAC)	6/5/24, 4/2/25
USFWS Technical Assistance Meeting	9/24/25
FWC Technical Assistance Meeting	9/26/25

6.2 PUBLIC INVOLVEMENT

Public outreach and involvement are important to the success of the project. To streamline public outreach efforts, a comprehensive Public Involvement Plan (PIP) was prepared for this project and is available under a separate cover. The PIP outlines the strategies used to address public

outreach over the course of the study. A project website was created for this PD&E Study to provide the public with project specific information, provide an opportunity for the public to make comments and sign up to be added to the project mailing list to receive updates on the project as it advances. Project newsletters were mailed out to all property owners within at least 300 feet of the project centerline in February 2024 to introduce the PD&E Study and in June 2024 to announce the Alternatives Public Information Meeting for the study. A *Comments and Coordination Report* will be prepared under separate cover to provide a more detailed summary of each meeting and will include a summary of the comments received throughout the life of the study.

Alternatives Public Information Meeting

A hybrid Alternatives Public Information Meeting was held in June 2024 and was composed of a Virtual Meeting and an In-Person Meeting. The Alternatives Public Information Meeting had two participation options to select from: Virtual/Online or by telephone on June 25, 2024, or in-person on June 27, 2024. The in-person component was held on June 27, 2024, from 5:30 p.m. until 7:30 p.m. at the Hilton Garden Inn Suncoast Parkway located at 2155 Northpointe Parkway, Lutz, FL 33558. The meeting was held to provide interested persons an opportunity to review the proposed project alternatives, ask questions, and provide comments concerning the conceptual design, and potential social, economic, and environmental effects of the proposed improvements.

Public meeting invitation letters were sent by e-mail to 33 elected officials, 42 appointed officials, and 46 interested parties/organizations. Letters were mailed to 3,759 property owners and tenants adjacent to the study area. The Alternatives Public Information Meeting was advertised on June 9, 2024, in the Tampa Bay Times and the La Gaceta Spanish newspaper on June 14, 2024. An advertisement was published in the Florida Administrative Register (FAR) on June 11, 2024. The Enterprise distributed a press release on June 18, 2024, to local media, and notices were posted on the project website at www.SuncoastParkwayPDE.com, and the FDOT public notices website.

A total of 49 people signed into the virtual meeting. Attendees had the opportunity to listen to the Enterprise Project Manager introduce the project and team members before watching the project video presentation which described proposed alternatives. A “Question” feature was open for the duration of the meeting which allowed the viewers to ask questions. At the conclusion of the meeting, the consultant Project Manager answered questions submitted by participants during registration. Unanswered questions were responded to via e-mail after the meeting.

The public was invited to attend the In-Person Alternatives Public Information Meeting at any time between 5:30 p.m. and 7:30 p.m. Attendees had an opportunity to view a continuous looping presentation that provided a general overview of the project. Attendees also had an opportunity to view several project displays, including concepts, information about the study process, and information about current conditions and future traffic projections. Interactive smart boards also were used to allow community members to focus on a specific area of the project, ask questions and provide feedback. A Turnpike Traffic Noise video and an FDOT right-of-way video were also available for viewing. Members of the project team, including engineers and experts on traffic and noise, were available to discuss the project with attendees and answer questions.

A total of 63 people attended the In-Person Alternatives Public Information Meeting, and ten questions and comments were received. More information on the Alternatives Public Information Meeting is provided in the Comments and Coordination Report, under a separate cover.

6.3 PUBLIC HEARING

A hybrid Public Hearing was held in April 2025 and consisted of a Virtual Hearing and an In-Person Hearing. The hybrid Public Hearing had two participation options to select from: Virtual/Online or by telephone on April 8, 2025, and in-person on April 10, 2025. The in-person component was held on April 10, 2025, beginning at 5:30 p.m. at the Hilton Garden Inn Suncoast Parkway located at 2155 Northpointe Parkway, Lutz, FL 33558. The Hearing was held to provide interested persons an opportunity to review the Recommended Alternative, ask questions, and provide comments concerning the conceptual design, and potential social, economic, and environmental effects of the proposed improvements.

Public Hearing invitation letters were sent by e-mail to 34 elected officials, 42 appointed officials, and 66 agency representatives. Letters were mailed to 3,458 property owners and tenants adjacent to the study area. The Public Hearing was advertised on March 23, 2025 and March 30, 2025 in the Tampa Bay Times and on March 21, 2025 and March 28, 2025 in the La Gaceta Spanish newspaper. An advertisement was published in the Florida Administrative Register (FAR) on April 1, 2025. The Enterprise distributed a press release on April 1, 2025, to local media, and notices were posted on the project website at www.SuncoastParkwayPDE.com, and the FDOT public notices website.

A total of 75 people signed into the Virtual Hearing. Attendees had the opportunity to listen to the Enterprise Project Manager introduce the project and team members before watching the Public Hearing video presentation which described the Recommended Alternative. After the presentation, the Enterprise Project Manager provided an opportunity for attendees to provide a verbal comment. Sixteen people provided a verbal comment during the Virtual Hearing.

The public was invited to attend the In-Person Public Hearing beginning at 5:30 p.m. with a formal presentation at 6:00 p.m. Attendees had an opportunity to view several project displays about the Recommended Alternative. Interactive smart boards also were used to allow community members to focus on a specific area of the project and ask questions. Members of the project team, including engineers and experts on traffic and noise, were available to discuss the project with attendees and answer questions.

A total of 103 people attended the In-Person Public Hearing, and 13 people provided a statement at the microphone. Between the Virtual and In-Person Hearing, 78 written comments were received. More information on the Public Hearing is provided in the Comments and Coordination Report, under separate cover.

7.0 PREFERRED ALTERNATIVE

After the Alternatives Public Information Meeting and selection of the Preferred Alternative, a Cost Risk Analysis and Value Engineering (CRAVE) study was conducted. The CRAVE team developed 12 Value Engineering recommendations. A Value Engineering Resolution Memo summarizing the recommendations along with the responses are provided in **Appendix A**.

7.1 TYPICAL SECTIONS

Proposed typical sections for the Preferred Alternative are provided in **Appendix B**.

7.1.1 Mainline - South of Van Dyke Road to North of SR 54

The proposed typical section for this segment consists of four 12-foot travel lanes in each direction separated by a 26-foot wide median with a median barrier wall. Twelve foot wide inside and outside shoulders would be provided. The inside shoulders are part of the 26-foot wide median. The proposed typical section would accommodate the existing Suncoast Trail. After the Alternatives Public Information Meeting and in response to the CRAVE Study, the typical section for this segment was modified to slope one lane to the inside instead of two lanes. With no further widening planned for the future, sloping one lane to the inside and three lanes to the outside would help reduce drainage infrastructure in the median resulting in a cost savings.

Stormwater conveyance would include barrier wall inlets along the inside and a linear ditch along the outside.

7.1.2 Mainline - North of SR 54 to SR 52

The proposed typical section for this segment consists of three 12-foot travel lanes in each direction separated by a 40-foot wide median. Twelve foot wide inside and outside shoulders would be provided. The inside shoulders are part of the 40-foot wide median. The proposed typical section would accommodate the existing Suncoast Trail. Stormwater conveyance would include inside and outside ditches.

7.2 ACCESS MANAGEMENT

Suncoast Parkway is a limited access facility with a Class 1 Access Management Classification. The existing five interchanges within the study limits serve as the only points of ingress and egress to the Suncoast Parkway, and no changes are expected in the access classification of the Suncoast Parkway. One proposed interchange at Rangeland Boulevard is included as part of the Preferred Alternative. No access management changes are necessary along the side streets for the proposed improvements.

7.3 RIGHT-OF-WAY

The Preferred Alternative requires 0.25 acres of right-of-way from three parcels for mainline improvements (along the northbound lanes at the TPC Boulevard bridge overpass) and 18.7 acres of right-of-way for interchange improvements (associated with the interchange at Rangeland Boulevard). No relocations are required. Proposed right-of-way needs are shown in the Plan and Profile Roll Plots in **Appendix C**.

7.4 HORIZONTAL AND VERTICAL GEOMETRY

The proposed horizontal and vertical geometries are shown in the Plan and Profile Roll Plots provided in **Appendix C** of this report.

Within the segment from south of Van Dyke Road to Lutz Lake Fern Road, the horizontal and vertical geometries were modified to increase the design speed from 60 mph to 70 mph. After the Alternatives Public Information Meeting and in response to the CRAVE Study, the horizontal geometry between Ramblewood Road and Lutz Lake Fern Road was modified to eliminate the need for right-of-way along the southbound direction. Previously, a quarter-acre sliver of right-of-way along the southbound was identified from the Cheval community consisting of four residential parcels, a park owned by the Cheval HOA, and an internal access road. The Preferred Alternative reflects the modified geometry that eliminates the need for this right-of-way.

In addition, minimum profile grade was introduced at superelevation transition areas to mitigate hydroplaning risk and avoid the need for shoulder rocking.

7.5 DESIGN VARIATIONS AND DESIGN EXCEPTIONS

Design variations anticipated for this project include border width along the entire project limits and clear zone from SR 54 to SR 52. Additional details are presented in the typical sections in **Appendix B**.

7.6 MULTI-MODAL ACCOMMODATIONS

The Suncoast Parkway is a limited access facility; therefore, the Preferred Alternative does not include bicycle or pedestrian accommodations directly along the mainline. Beginning at Lutz Lake Fern Road, the Suncoast Trail parallels the Suncoast Parkway and extends within the project limits. Access to the Suncoast Trail, which runs adjacent to the project corridor, will be maintained. The proposed improvement also evaluated the potential to provide safer connections for bicyclists and pedestrians along the cross-streets within the study area. The Preferred Alternative for the interchanges includes share-use paths between the ramp terminals as required by the FDM.

During the PD&E study, Pasco County and FDOT District 7 were preparing design plans for a planned trail bridge for the Suncoast Trail over SR 54 and SR 52. Coordination with Pasco County and FDOT District 7 was conducted to ensure that the proposed interchange improvements at SR 54 and SR 52, as part of the Preferred Alternative, do not interfere with the planned trail bridge.

7.7 INTERSECTION/INTERCHANGE CONCEPTS

Proposed interchange concepts were developed based on future traffic needs as documented in the Project Traffic Analysis Report (PTAR), available under separate cover. Proposed interchange concepts are shown in the Plan and Profile Roll Plots provided in **Appendix C**. Modifications to each interchange are described below.

Van Dyke Road (MP 14) would remain as a diamond interchange with the addition of a second left turn lane to the northbound and southbound off ramps. Improvements include a new turn lane along westbound Van Dyke Road from the southbound off-ramp to Ramblewood Road and a shared-use path on the north side of Van Dyke Road between ramp terminals. A shared-use path on the south side will be added as part of a planned project by Hillsborough County.

Lutz Lake Fern Road Interchange (MP 16) would remain as a partial cloverleaf interchange with the addition of a second right turn lane from the Suncoast Parkway northbound off-ramp onto westbound Lutz Lake Fern Road as well as a second left turn lane from eastbound Lutz Lake Fern Road to the Suncoast Parkway northbound on-ramp. Additionally, storage queue lengths will be increased for all lanes at the Suncoast Parkway southbound off-ramp and for the left turn lane from eastbound Lutz Lake Fern Road onto the Suncoast Parkway southbound on-ramp. A shared-use path will be added within the interchange area along both sides of Lutz Lake Fern Road. After the Alternatives Public Information Meeting and in response to the CRAVE Study, the southbound on-ramp was modified to provide additional separation from the ramp gore and to increase the ramp speed from 30 mph to 45 mph. As illustrated in **Figure 2-14**, 50 percent of crashes occur during wet conditions. No issues of flooding have been reported at this interchange; however, it is recommended to investigate further during the design phase.

SR 54 Interchange (MP 19) would remain as a tight diamond interchange with the addition of a 3rd right turn lane to the northbound off ramp, an additional right and left turn lane to the southbound off ramp, and an additional left turn lane from westbound SR 54 to the southbound on ramp. An additional through lane is also included along SR 54 in the westbound direction beginning at the southbound off ramp, continuing past Crossings Boulevard, and up to South Branch Boulevard. Improvements would also include a shared-use path on both sides within the interchange area.

Rangeland Boulevard Interchange (MP 20) includes a new partial cloverleaf interchange with loop ramps on the north side. The interchange configuration includes two left turn lanes and a single right turn lane for the southbound off-ramp and two left turn lanes and two right turn lanes for the northbound off-ramp. After the Alternatives Public Information Meeting and in response to the CRAVE study, the northbound off-ramp loop radius was modified to increase the design speed from 30 mph to 35 mph for improved driver comfort and to reduce the speed differential between the mainline and ramp. This increased the right-of-way required from 6.8 acres to 9.95 acres. The interchange at Rangeland Boulevard would only be constructed once Pasco County completes the extension of Rangeland Boulevard and the interchange meets the following conditions: (1) connects to a public roadway and serves all movements; (2) meets safety and operational requirements; (3) is supported by the local community; and (4) is consistent with local government plans.

Ridge Road Interchange (MP 25) would remain as a diamond interchange with the addition of left and right turn lanes to the northbound off ramp and a left turn lane from eastbound Ridge Road to the northbound on ramp. The improvement to this interchange also includes realigning the right turn lane from the southbound off ramp to improve the safety of the trail crossing.

SR 52 Interchange (MP 27) would remain as a tight diamond interchange with the addition of a left and right turn lane to the northbound off ramp and adding a second right turn lane from eastbound SR 52 to the southbound on ramp.

The Enterprise best practice is to provide 1,500 feet for the length of acceleration and deceleration auxiliary lanes. Four locations could not provide the preferred 1,500 feet but all ramp acceleration and deceleration lanes meet AASHTO Green Book as required by FDM. Information about the four locations are provided in **Table 7-1**.

Table 7-1: Ramp Locations Not Providing 1,500 ft Preference

Location	AASHTO Min. Length (ft)	Proposed Length (ft)	Comment
SB On Ramp from SR-568 (Veterans Expressway Spur)	580	882	Constraint due to bridge over Lake Le Clare Road, shortening the ramp avoids bridge widening.
SB Off Ramp at Ridge Road	340	563	Proposed length based on avoidance of additional widening of bridge over Five Mile Creek. Would impact location of adjacent Suncoast Trail.
NB On Ramp at Ridge Road	580	780	Proposed length based on avoidance of additional widening of bridge over Five Mile Creek.
SB On Ramp at SR 52	580	782	Proposed length to end taper before horizontal curve.

7.8 TOLL FEATURES

Nine toll sites were evaluated including four new toll sites and five existing sites to remain within the study limits.

New toll facilities include the following:

1. SR 54 northbound exit ramp tolling movement that replaces the existing gantry site
2. SR 54 southbound entry ramp tolling movement that replaces the existing gantry site
3. Rangeland Boulevard northbound exit ramp tolling movement.
4. Rangeland Boulevard southbound entry ramp tolling movement.

Existing toll facilities to remain include the following:

1. Van Dyke Road northbound entry ramp tolling movement
2. Van Dyke Road southbound exit ramp tolling movement
3. Mainline northbound and southbound tolling movements at Anclote
4. Ridge Road northbound entry ramp tolling movement
5. Ridge Road southbound exit ramp tolling movement

The toll siting evaluation and determination utilized the criteria within the Enterprise's General Tolling Requirements (GTR) dated January 2023. Additional details on the evaluation process are documented under a separate cover in the *Preliminary Toll Siting Technical Memorandum*.

7.9 INTELLIGENT TRANSPORTATION SYSTEMS AND TSM&O STRATEGIES

The proposed ITS will completely replace the existing ITS within the same operational environment. The proposed system includes the following components:

- Fiber optic communications network
- CCTV cameras to provide video monitoring for traffic management, incident verification, and DMS verification
- DMS to relay traffic and incident information to the public prior to major interchanges
- Vehicle detection systems that provide data on volume, speed, vehicle classification, and origin-destination
- Safety systems, including wrong-way detection and incident detection

Table 7-2 below shows the quantities of the proposed ITS devices within the study limits and **Figure 7-1** shows the location map. It should be noted that the proposed fiber optic backbone is not shown in the table or figures. The existing devices outside of the study limits to remain are not shown.

Table 7-2: Proposed ITS Devices

ITS Devices	Quantity
DMS	3
CCTV Cameras	20
V-CCTV Cameras	4
MVDS	39
Bluetooth Detectors	10
WWVDS	12

Figure 7-1: Proposed ITS Devices Location Map

7.10 LANDSCAPING

Landscaping will be included where appropriate. The *Suncoast Parkway PD&E Landscape Analysis and Opportunity Report*, available in the project file, identifies potential landscape opportunities for the Preferred Alternative. Final landscaping plans will be developed during the Final Design phase for the mainline, ramps, toll sites, and stormwater ponds.

7.11 LIGHTING

Lighting features for the Preferred Alternative will be evaluated during the design phase.

7.12 WILDLIFE CROSSINGS

There are six existing wildlife crossings within the study area as discussed in **Section 2.4**. The Preferred Alternative will not alter the width of any of the existing crossings. Existing fencing should be maintained or, if needed, retrofitted to support wildlife utilization of the crossings. Potential impacts to vertical clearance are summarized below in **Table 7-3**.

Table 7-3: Vertical Clearance Changes to Wildlife Crossings

Wildlife Crossing ID	Name	Crossing Type	Bridge No.	Existing Vertical Clearance	Proposed Change in Vertical Clearance	Proposed Vertical Clearance
TP-14-001-BR	South Branch Anclote River Wildlife Crossing	Bridge	140069/ 140070	6.2’	- 2.0”	6.0’
TP-14-002-BR	Sandy Branch Wildlife Crossing	Bridge	140074/ 140075	8.4’	- 3.0”	8.2’
TP-14-003-BR	Anclote River Wildlife Crossing	Bridge	140076/ 140077	8.7’	No change	8.7’
TP-14-006-BR	Five Mile Creek Wildlife Crossing	Bridge	140078/ 140079	8.0’	No change	8.0’
TP-14-005-CV	Wetland 3-9 Culvert (identified as CD-29 in the Location Hydraulics Report)	Culvert	n/a	n/a	No change	n/a
TP-14-004-BR	Pithlachascotee River Wildlife Crossing	Bridge	140080/ 140081	8.0’	No change	8.0’

7.13 PERMITS

The SWFWMD and U.S. Army Corps of Engineers (USACE) regulate impacts to wetlands within the project study area. Other agencies, including the USFWS, National Marine Fisheries Service (NMFS), U.S. Environmental Protection Agency (EPA), and the Florida Fish and Wildlife Conservation Commission (FWC), review and comment on wetland permit applications. The FWC also issues permit for gopher tortoise relocation activities and incidental takes for state protected species. The USFWS is the lead agency for eagle nest take permitting or coordination. In addition, the Florida Department of Environmental Protection (FDEP) regulates stormwater discharges from construction sites. The complexity of the permitting process will depend on the size of the project and/or the extent of wetland impacts. It is anticipated that the following permits will be required during the design and permitting phase for this project:

- Environmental Resource Permit (ERP) – Issued by SWFWMD
- Section 404 Dredge and Fill Permit – Issued by USACE
- National Pollutant Discharge Elimination System (NPDES) – Issued by FDEP
- Gopher Tortoise Relocation Permit (as necessary) – Issued by FWC
- Incidental Take Permit (as necessary) – Issued by FWC
- Incidental Take Permit (as necessary) – Issued by USFWS

7.14 DRAINAGE AND STORMWATER MANAGEMENT FACILITIES

A preliminary drainage analysis was performed to determine the locations and sizes of the required water management facilities for the Preferred Alternative. Within the project limits there are 37 drainage basins consisting of 36 existing and one proposed. The new basin is proposed to accommodate the widening of the mainline plus a portion of the proposed Rangeland Boulevard interchange. The preferred alternative for each of the stormwater facility within the project area will require modification and expansion to allow for the added run-off volumes. No additional right-of-way, outside of what was already identified for roadway purposes, is needed for stormwater management. Additional detail on the existing basins and proposed pond condition is documented under a separate cover in the *Pond Siting Report.*

7.15 FLOODPLAIN ANALYSIS

Proposed widening along Suncoast Parkway will impact about 13.39 ac-ft of floodplain. A detailed analysis of the encroachment volumes resulting from roadway improvements and compensation for these encroachment volumes have been included in the *Pond Siting Report* which is under separate cover. FEMA maps identifying the proposed mitigation sites and detailed calculations can be found in Appendices A and C of the *Pond Siting Report*. **Table 7-4** identifies each floodplain compensation site within each basin as well as the preferred site and associated acreage.

Table 7-4: Floodplain Impacts and Compensation Basins

Basin	Floodplain Roadway Impacts (ac-ft)	Anticipated Pond Impacts (ac-ft)	Total Floodplain Impacts (ac-ft)	Compensation Provided (ac-ft)	FPC Location
4	0.02	0.00	0.02	0.02	Pond 4
5	0.07	0.00	0.07	0.07	Pond 5
10	0.11	0.00	0.11	0.11	Pond 10
11	1.13	0.00	1.13	1.13	Pond 11
13	0.04	0.00	0.04	0.04	Pond 13
14	1.48	0.00	1.48	1.48	Pond 14
15	1.31	0.17	1.48	1.48	FPC Site
15B	1.91	0.56	2.47	2.47	FPC Site
16	1.23	0.00	1.23	1.23	Pond 16
17	1.08	0.00	1.08	1.08	Pond 17
18	1.34	0.00	1.34	1.34	Pond 18
19	0.07	0.00	0.07	0.07	Pond 19
21	0.86	0.00	0.86	0.86	Pond 21
22	0.01	0.00	0.01	0.01	Pond 22
23	1.34	0.00	1.34	1.34	Pond 23
24	0.66	0.00	0.66	0.66	Pond 24

7.16 BRIDGE AND STRUCTURES ANALYSIS

There are two new bridges proposed within the project limit. Ten of the existing bridges are proposed to be widened. **Table 7-5** provides a summary of the proposed bridge and structure improvements along the project corridor. A minimum of 16.5 feet of vertical clearance is proposed for the new bridges at TPC Boulevard and Lutz Lake Fern Road. All existing bridges over roadways proposed for widening will be able to maintain a minimum of 16 feet of vertical clearance per FDM. Additional details on the proposed bridge improvements within the project limits are documented in the *Bridge Analysis Report* available under separate cover.

Table 7-5: Summary of Proposed Bridge and Structure Improvements

Bridge Number	Structure Location	Proposed Improvement
100626 & 100627	Suncoast Parkway over Van Dyke Road	Widening
100628 & 100629	Suncoast Parkway over Ramblewood Road	Widening
100630 & 100631	Suncoast Parkway over TPC Boulevard	Replacement
100632 & 100633	Suncoast Parkway over Lutz Lake Fern Road	Replacement
140069 & 140070	Suncoast Parkway over South Branch Anclote River	Widening
140072 & 140073	Suncoast Parkway over SR 54	Widening
140074 & 140075	Suncoast Parkway over Sandy Branch	Widening
140076 & 140077	Suncoast Parkway over Anclote River	Widening
140089 & 140090	Suncoast Parkway over Ridge Road	Widening
140078 & 140079	Suncoast Parkway over Five Mile Creek	Widening
140080 & 140081	Suncoast Parkway over Pithlachascotee River	Widening
140082 & 140083	Suncoast Parkway over SR 52	Widening

7.17 TRANSPORTATION MANAGEMENT PLAN

Construction activities usually result in traffic disruptions and safety concerns along the roadway work zone. Developing a Transportation Management Plan (TMP) that minimizes these disruptions and preserves the traffic operations, safety of the workers and patrons within the work zone is paramount to a successful project. For the Preferred Alternative, the project has been divided into two segments: (1) south of Van Dyke Road to north SR 54; and (2) north of SR 54 to SR 52. Actual construction activities may be divided into different segments.

Segment 1 – South of Van Dyke Road to North of SR 54

Phase 1 includes construction activities within the median while shifting traffic to the outside. This includes bridge widening or replacement activities. Phase 2 includes construction to the outside of the Suncoast Parkway while shifting traffic to the newly constructed inside pavement This includes bridge widening and replacement activities. Construction of noise walls, where identified, can be completed during Phase 2. Modifications to the interchange ramps can occur during Phase 1 and 2. Phase 3 shifts traffic to its final location.

Segment 2 – North of SR 54 to SR 52

Phase 1 includes construction activities within the median, including bridge widenings, while shifting traffic to the outside. Phase 2 includes resurfacing operations for the outside travel lanes. Modifications to the interchange ramps can occur during Phase 1 and 2. Phase 3 shifts traffic to its final location.

7.18 CONSTRUCTABILITY

A preliminary construction phasing plan was evaluated as part of this PD&E Study to determine constructability and the ability to maintain traffic for the preferred alternative. Many of the

components required to develop a plan will be developed in accordance with FDOT standards during the subsequent phases of the project. The plan proposes to keep all travel lanes open during construction. Short lane closures may be necessary during off-peaks to change construction phases. Advance notice of any lane closure will be given to minimize disruption to roadway users.

7.19 CONSTRUCTION IMPACTS

Construction methods and staging locations have not been identified and will be determined by the contractor. Construction activities may cause short-term air quality impacts in the form of dust from earthwork and unpaved roads. These impacts will be minimized by adherence to applicable state regulations and to applicable FDOT Standard Specifications for Road and Bridge Construction.

7.20 SPECIAL FEATURES

The Preferred Alternative will include noise barriers to address traffic noise impacts. Additional information is provided in the *Noise Study Report*, available under separate cover.

7.21 UTILITIES

Twenty-two Utility Agency Owners (UAOs) were identified as potentially having facilities within the study limits. Follow-up information provided by the identified UAOs resulted in 18 UAOs providing information on facilities in the project area and four providing no responses. Actual utility impacts will be verified during the design phase when detailed survey information is available. Additional information is available in the *Utility Assessment Package*, available under separate cover.

7.22 COST ESTIMATES

The total estimated cost for the Preferred Alternative is $984.2 million. A breakdown of the costs associated with the Preferred Alternative is provided in **Table 7-6**. Construction cost estimates were developed through FDOT's Long Range Estimates (LRE) system, and a summary is provided in **Appendix D**.

Table 7-6: Cost Estimate for the Preferred Alternative

Project Element	Cost (in millions)
Construction Cost *Mainline – S of Van Dyke Rd to Lutz Lake Fern Rd ($192.5)* *Mainline – Lutz Lake Fern Rd to S. of SR 54 ($122.7)* *Mainline – S. of SR 54 to SR 52 ($330.1)* *Van Dyke Rd Interchange ($16.5)* *Lutz Lake Fern Rd Interchange ($23.7)* *SR 54 Interchange ($43.5)* *Rangeland Blvd Interchange ($43.9)* *Ridge Rd Interchange ($19.3)* *SR 52 Interchange ($25.1)*	$817.3
Final Design Cost	$81.7
CEI Cost	$81.7
Right-of-Way Cost	$1
Wetland Mitigation Cost	$2.5
Total Cost	$984.2

APPENDIX A

VALUE ENGINEERING RESOLUTION MEMORANDUM

Date: December 18, 2024

To: Alison Stettner, AICP, Director of Transportation Development

From: Greg Moore, PE, Project Manager (AtkinsRealis)

Copies: Nicola Liquori, Albert Salas, Stephanie Sharp, Carol Scott, Andra Diggs, Henry Pinzon, Ashraf Elmaghraby, Yveins Jean-Pierre, Debbie Meyer, John Easterling, Eric Gordin, Karen Akers, Donald VanWhervin, Joseph Chinelly, Rax Jung, Russ Snyder, Erin Yao, Kenzot Jasmin, Joe Bitar, James Beverly, Annemarie Hammond, Nicolette Lundie, Erin Sterk, Daniel Marwood, Gabriel Mnayarji, Beth Morse, Eddie Register, Andrew Velasquez, Steven Kane, and Brandon Bobo

Subject: Value Engineering (VE) Resolution Memorandum
Widen Suncoast Parkway (SR 589) Project Development and Environment (PD&E) Study
from S. of Van Dyke Road to SR 52 (MP 13 to MP 29)
Hillsborough and Pasco Counties, Florida
FPID # 448068-1-22-01

A Cost Risk and Value Engineering (CRAVE) Workshop was conducted August 7-8, 2024 and August 20-23, 2024. The CRAVE team developed 12 Value Engineering (VE) recommendations and presented their findings on August 23, 2024. The project team presented the proposed resolutions of the VE recommendations to the Enterprise Management on October 22, 2024. A summary of recommendations and responses is documented below.

1. VE Recommendation 1: Improve Roadway Runoff Conveyance

VE Recommendation: Provide the minimum longitudinal grade between Station (Sta.) 3190+00 to Sta. 3216+00 to avoid drainage issues.

Response: Recommendation Accepted - This segment of the project shows a flat profile along a superelevated curve. Maintaining a flat profile would require shoulder rocking which is not desirable. The profile will be adjusted to provide the minimum longitudinal grade.

2. VE Recommendation 2: Modify Configuration of Ramps between SR 54 and Rangeland Blvd

VE Recommendation: Along the northbound direction of travel, construct a CD system between SR 54 and Rangeland Blvd and convert the northbound off-ramp to Rangeland Blvd to a tight diamond instead of a loop ramp.

Response: Recommendation Rejected - The combination of a CD system with a tight diamond off-ramp at Rangeland Boulevard would separate weaving from the mainline and eliminate the need for right-of-way in the northeast quadrant of the Suncoast Parkway and Rangeland Blvd (planned by Pasco

County). However, implementing this recommendation would require additional barrier wall and shoulders for the CD system, and embankment and walls for the NB off/on ramp to/from Rangeland Boulevard. The cost for these additional components is approximately $31.3 million. Furthermore, a traffic evaluation demonstrated that the CD system did not provide any operational benefits over the PD&E alternative.

3. VE Recommendation 3: Modify Geometry to Stay Within R/W

VE Recommendation: Adjust the alignment along the Cheval community by including a tangent section and two 45-second deflections. This would eliminate the need for a ¼-acre sliver of R/W along the southbound direction but a slight increase in the amount of R/W needed in the northbound direction.

Response: Recommendation Accepted – Eliminating the need for R/W along the southbound direction is beneficial to the project as potential impacts included partial takes from four residential parcels, a park owned by the Cheval HOA, and an internal access road. Modifications made to the VE recommendation achieved the same result by including a small tangent section followed by a flat, normal crown curve instead of the two deflections. R/W impacts along the northbound direction remained involving a ¼-acre sliver from the Cheval HOA.

4. VE Recommendation 4: Reduce Compensation Offsite

VE Recommendation: Floodplain impacts identified in median ditches may not be valid; reevaluate to reduce need for compensation.

Response: Defer to the Design Phase – Once design survey information is available, it is recommended to complete additional floodplain analysis.

5. VE Recommendation 5: Modify Lane Geometry from SR 54 to North Project Limit

VE Recommendation: Reduce lanes over bridges by dropping a lane at the off-ramp and adding a lane from the on-ramp. This would reduce pavement and bridge costs.

Response: Recommendation Rejected – This recommendation would introduce lane drops and create weaving areas thereby diminishing the capacity of the outside lane. It would not meet driver expectancy.

6. VE Recommendation 6: Optimize DDI Operations at SR 54

VE Recommendation: Optimize the DDI configuration by eliminating the eastbound and westbound left turn signals to the on-ramps, reduce the eastbound to southbound right turn lane from two to one lane, and reduce the eastbound to northbound left turn lanes from two to one lane.

Response: Recommendation Rejected – Traffic operational benefits over the PD&E alternative is neutral. Furthermore, the DDI was eliminated as the tight diamond interchange (TDI) concept was selected as the preferred alternative.

7. VE Recommendation 7: Increase Radius of Loop Ramp at Rangeland Boulevard

VE Recommendation: Increase the radius of the northbound loop ramp at Rangeland Boulevard from 231 feet (30 mph) to 441 feet (40 mph) to improve driver comfort and reduce speed differential between the mainline and ramp.

Response: Recommendation Accepted – It is recognized that increasing the design speed of the loop ramp would improve driver comfort. However, providing a 40 mph loop ramp would increase R/W and environmental impacts. Since the PD&E alternative already includes a long tangent section with separation from the mainline, the loop ramp will be modified to meet a 35 mph design speed.

8. VE Recommendation 8: Modify Lutz Lake Fern Road Loop Ramp Geometry

VE Recommendation: Adjust the geometry of the southbound on-ramp at Lutz Lake Fern Road to provide additional separation from the ramp gore and increase the ramp speed from 30 mph to 45 mph.

Response: Recommendation Accepted: Although implementing this recommendation requires the reconstruction of the loop ramp, it would improve driver expectancy at the entry gore. Further modification will include flattening the approach curve to avoid impacting the geometry of the bridge over Lutz Lake Fern Road.

9. VE Recommendation 9: Install Emergency Access Gate in the Median

VE Recommendation: Include emergency access gates in the median.

Response: Recommendation Rejected – Including emergency access gates is not a current practice by the Enterprise. It adds cost and additional maintenance.

10. VE Recommendation 10: Use Double-Faced Guardrail

VE Recommendation: For the segment from north of SR 54 to SR 52 with open median, replace two separate single-faced guardrails with one single double-faced guardrail.

Response: Defer to the Design Phase - The PD&E alternative includes two separate single-faced guardrails per input received from Enterprise Maintenance in order to improve the safety of maintenance crews. Further coordination is recommended during the design phase to make a final determination.

11. VE Recommendation 11: Construct a Parclo on the NW Quadrant at SR 54

VE Recommendation: Construct a partial cloverleaf interchange (Parclo) in the northwest quadrant of the Suncoast Parkway and SR 54 connecting to the Crossings Boulevard intersection to improve operations for the westbound to southbound movement.

Response: Recommendation Rejected – A traffic evaluation indicated that this recommendation would not perform better than the TDI or DDI alternative based on total travel time. It would require additional R/W and additional bridges to span the southbound off and on ramps over the Suncoast

Trail. Constructing a parclo may require the relocation of the existing trailhead serving the Suncoast Trail.

12. VE Recommendation 12: Slope Inside Lane to Inside in One Direction

VE Recommendation: For the closed median section from south of Van Dyke Road to north of SR 54, slope one lane to the inside instead of two lanes.

Response: Recommendation Accepted – Providing eight lanes within this segment of the Suncoast Parkway is considered the ultimate configuration due to inability to further widen the Veterans Expressway to the south. Generally, Enterprise preference is to slope two lanes to the inside to accommodate future widening. With no further widening planned for the future, sloping one lane to the inside and three lanes to the outside would help reduce drainage infrastructure in the median resulting in a cost savings. In addition, multiple curves along this segment of the project requires superelevation that slopes all lanes to one side. A hydroplaning evaluation determined that no hydroplaning issues would occur.

APPENDIX B

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION PACKAGE

FINANCIAL PROJECT ID 448068-1-22-01
HILLSBOROUGH COUNTY (10470) AND PASCO COUNTY (14470)

STATE ROAD NO. 589
WIDENING SUNCOAST PARKWAY
FROM VAN DYKE ROAD TO SR 52 (MP 13–29)
PD+E STUDY

PROJECT LOCATION URL:	https://tinyurl.com/2p9kydz6
PROJECT LIMITS:	BEGIN MP 13.000 - END MP 29.000
EXCEPTIONS:	NONE

BRIDGE LIMITS:
BR#100626 & BR#100627 MP 14.2
BR#100628 & BR#100629 MP 15.2
BR#100630 & BR#100631 MP 15.8
BR#100632 & BR#100633 MP 16.3
BR#140069 & BR#140070 MP 17.9
BR#140073 & BR#140072 MP 18.7
BR#140075 & BR#140074 MP 20.5
BR#140077 & BR#140076 MP 22
BR#140090 & BR#140089 MP 25.2
BR#140079 & BR#140078 MP 25.8
BR#140081 & BR#140080 MP 26.9
BR#140083 & BR#140082 MP 28.5

RAILROAD CROSSING: NONE

TURNPIKE DISTRICT STRUCTURES
DESIGN ENGINEER
RUSS SNYDER, PE

CONCURRING WITH:
BRIDGE TYPICAL SECTION ELEMENTS

FHWA_TRANSPORTATION_ENGINEER
N/A

CONCURRING WITH:
TYPICAL SECTION ELEMENTS

HILLSBOROUGH COUNTY
DIRECTOR, ENGINEERING
AND OPERATIONS
JOSH BELLOTTI, P.E.

CONCURRING WITH:
TYPICAL SECTION ELEMENTS
DESIGNS, POSTED & TARGETED SPEEDS
(HILLSBOROUGH COUNTY TYPICAL SECTIONS
25, 26)

TURNPIKE DISTRICT TRAFFIC
OPERATIONS ENGINEER
JOHN EASTERLING, PE, PTOE

CONCURRING WITH:
DESIGN & POSTED SPEEDS

PASCO COUNTY
COUNTY ENGINEER
NICK UHREN, P.E.

CONCURRING WITH:
TYPICAL SECTION ELEMENTS
DESIGNS, POSTED & TARGETED SPEEDS
(PASCO COUNTY TYPICAL SECTIONS
28, 29)

TURNPIKE DISTRICT DESIGN ENGINEER
ANDRA DIGGS II, PE

CONCURRING WITH:
TYPICAL SECTION ELEMENTS
DESIGN & POSTED SPEEDS
TYPICAL SECTION ELEMENTS

TURNPIKE DISTRICT
INTERMODAL SYSTEMS
DEVELOPMENT MANAGER
CAROL SCOTT, AICP

CONCURRING WITH:
CONTEXT CLASSIFICATION

FDOT DISTRICT 7
DISTRICT DESIGN ENGINEER
ALLAN URBONAS, PE

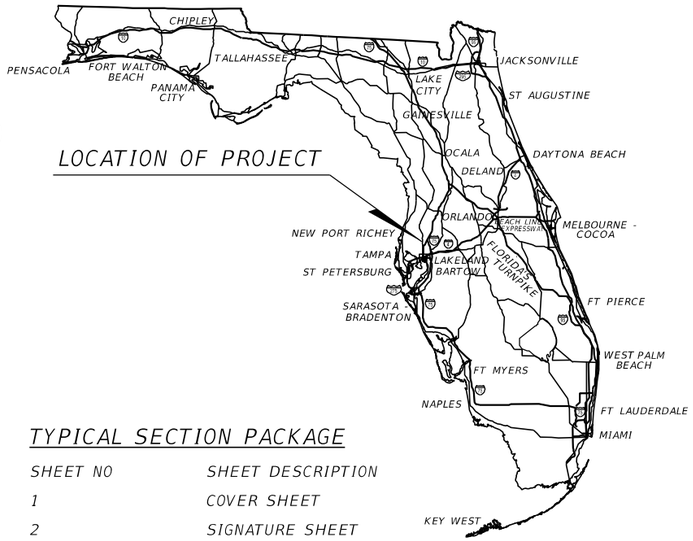
CONCURRING WITH:
TYPICAL SECTION ELEMENTS
DESIGNS, POSTED & TARGETED SPEEDS
(FDOT DISTRICT 7
TYPICAL SECTIONS 27, 30)

FDOT DISTRICT 7
TRAFFIC OPERATIONS ENGINEER
RONALD CHIN, P.E.

CONCURRING WITH:
DESIGNS, POSTED & TARGETED SPEEDS
(FDOT DISTRICT 7
TYPICAL SECTIONS 27, 30)

FDOT DISTRICT 7
PROJECT MANAGER
CRAIG FOX, P.E.

CONCURRING WITH:
CONTEXT CLASSIFICATION,
TYPICAL SECTION ELEMENTS,
AND TARGETED SPEED
(FDOT DISTRICT 7
TYPICAL SECTIONS 27, 30)



TYPICAL SECTION PACKAGE

SHEET NO	SHEET DESCRIPTION
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2	SIGNATURE SHEET
3	TYPICAL SECTION NO. 1
4	TYPICAL SECTION NO. 2
5	TYPICAL SECTION NO. 3
6	TYPICAL SECTION NO. 4
7	TYPICAL SECTION NO. 5
8	TYPICAL SECTION NO. 6
9	TYPICAL SECTION NO. 7
10	TYPICAL SECTION NO. 8
11	TYPICAL SECTION NO. 9
12	TYPICAL SECTION NO. 10
13	TYPICAL SECTION NO. 11
14	TYPICAL SECTION NO. 12
15	TYPICAL SECTION NO. 13
16	TYPICAL SECTION NO. 14
17	TYPICAL SECTION NO. 15
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25	TYPICAL SECTION NO. 23
26	TYPICAL SECTION NO. 24
27	TYPICAL SECTION NO. 25
28	TYPICAL SECTION NO. 26
29	TYPICAL SECTION NO. 27
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32	TYPICAL SECTION NO. 30

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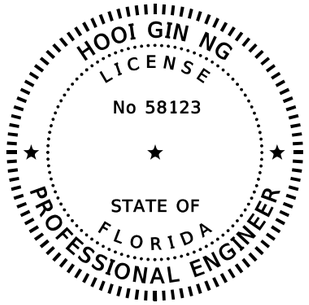


THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL.

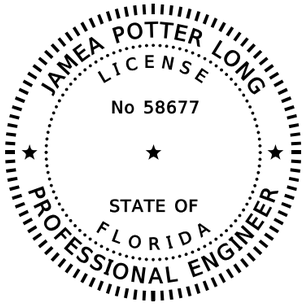
SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

KIMLEY-HORN AND ASSOCIATES
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411
HOOI GIN NG, P.E. NO. 58123

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

TYPICAL SECTION PACKAGE

SHEET NO	SHEET DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	TYPICAL SECTION NO. 1
4	TYPICAL SECTION NO. 2
5	TYPICAL SECTION NO. 3
18	TYPICAL SECTION NO. 16
19	TYPICAL SECTION NO. 17
20	TYPICAL SECTION NO. 18
21	TYPICAL SECTION NO. 19
22	TYPICAL SECTION NO. 20
23	TYPICAL SECTION NO. 21
24	TYPICAL SECTION NO. 22
25	TYPICAL SECTION NO. 23
26	TYPICAL SECTION NO. 24
27	TYPICAL SECTION NO. 25
28	TYPICAL SECTION NO. 26
29	TYPICAL SECTION NO. 27
30	TYPICAL SECTION NO. 28
31	TYPICAL SECTION NO. 29
32	TYPICAL SECTION NO. 30



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL.

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

KIMLEY-HORN AND ASSOCIATES
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411
JAMEA POTTER LONG, P.E. NO. 58677

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

TYPICAL SECTION PACKAGE

SHEET NO	SHEET DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
6	TYPICAL SECTION NO. 4
7	TYPICAL SECTION NO. 5
8	TYPICAL SECTION NO. 6
9	TYPICAL SECTION NO. 7
10	TYPICAL SECTION NO. 8
11	TYPICAL SECTION NO. 9
12	TYPICAL SECTION NO. 10
13	TYPICAL SECTION NO. 11
14	TYPICAL SECTION NO. 12
15	TYPICAL SECTION NO. 13
16	TYPICAL SECTION NO. 14
17	TYPICAL SECTION NO. 15

FINANCIAL PROJECT ID	SHEET NO.
452077-2-32-01	2

PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X) NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
( ) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

(X) 1 - FREEWAY
( ) 2 - RESTRICTIVE w/Service Roads
( ) 3 - RESTRICTIVE w/660 ft. Connection Spacing
( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

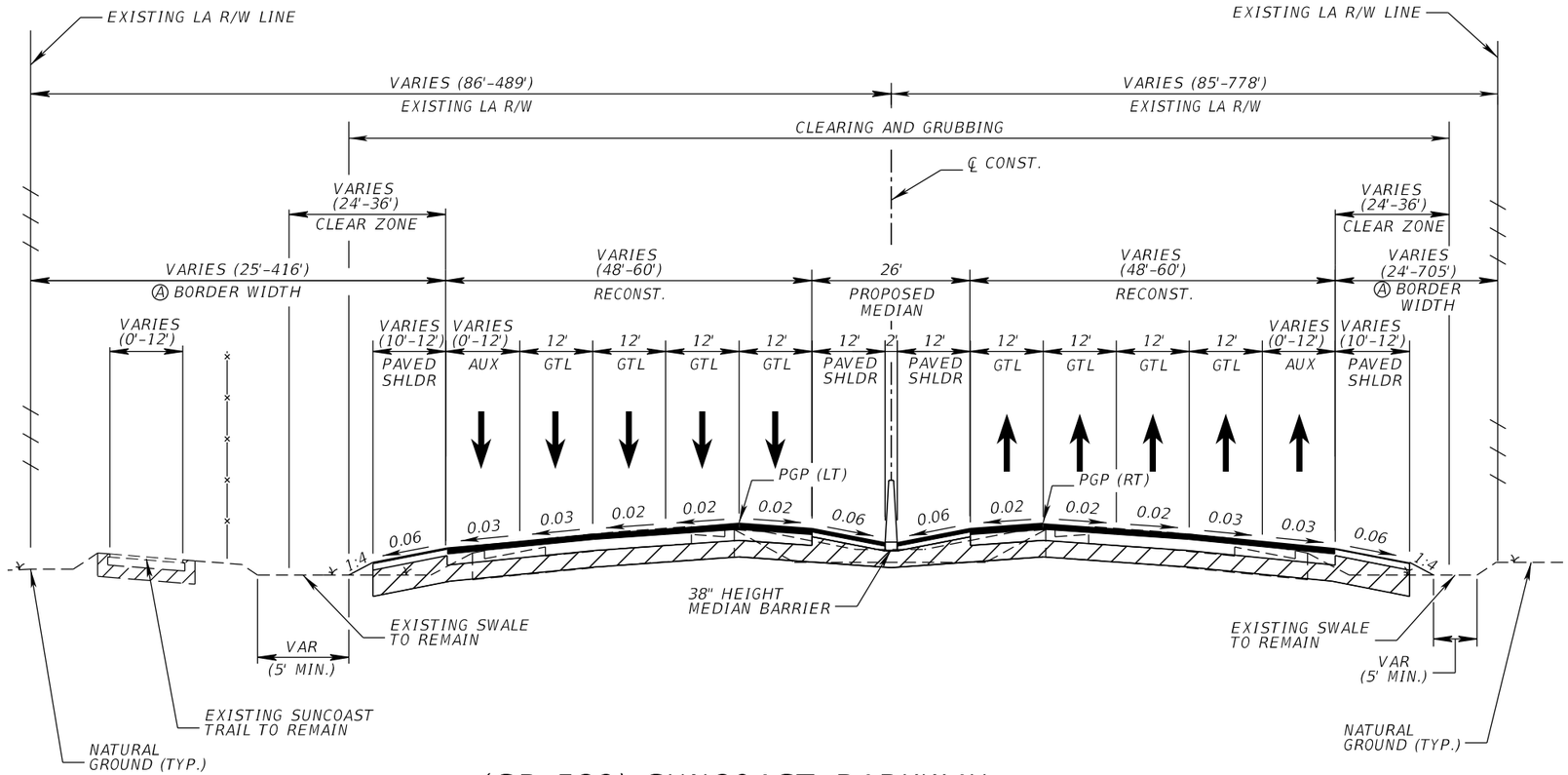
CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
( ) RESURFACING (LA FACILITIES)
( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

DESIGN VARIATION MEMORANDUM
Ⓐ BORDER WIDTH

TYPICAL SECTION No. 1



(SR 589) SUNCOAST PARKWAY

VETERANS EXPRESSWAY TO SR 54
MP 13.000 TO MP 18.730
N.T.S

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 46,600
ESTIMATED OPENING YEAR = 2030 AADT = 61,100
ESTIMATED DESIGN YEAR = 2050 AADT = 102,400
K = 10% D = 61% T = 12.19% (24 HOUR)
DESIGN HOUR T = 6.1%
DESIGN SPEED = 70 MPH
POSTED SPEED = 70 MPH

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	3

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PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X) NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
( ) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

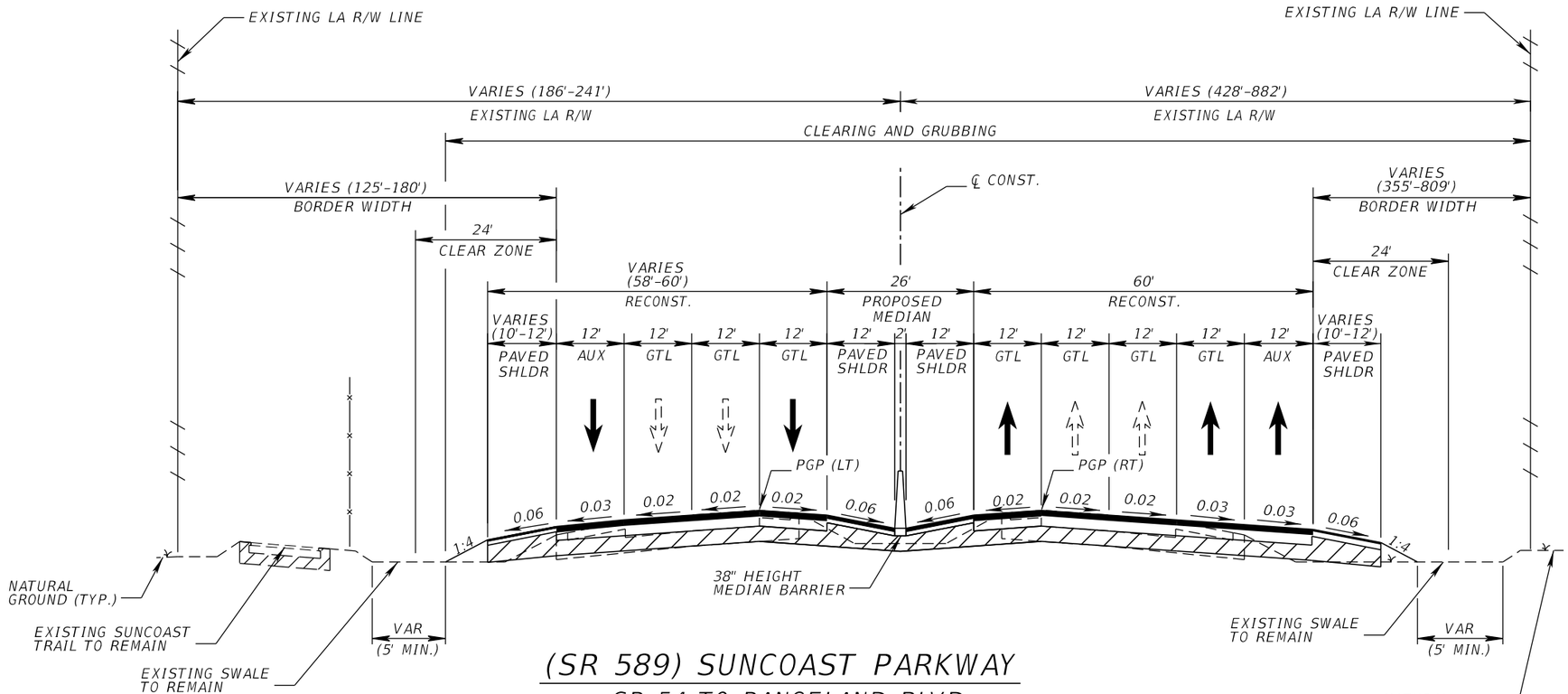
(X) 1 - FREEWAY
( ) 2 - RESTRICTIVE w/Service Roads
( ) 3 - RESTRICTIVE w/660 ft. Connection Spacing
( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
( ) RESURFACING (LA FACILITIES)
( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 2



(SR 589) SUNCOAST PARKWAY

SR 54 TO RANGELAND BLVD
MP 18.730 TO MP 20.068
N.T.S

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 46,600
ESTIMATED OPENING YEAR = 2030 AADT = 67,400
ESTIMATED DESIGN YEAR = 2050 AADT = 126,800
K = 10% D = 61% T = 12.19% (24 HOUR)
DESIGN HOUR T = 6.1%
DESIGN SPEED = 70 MPH
POSTED SPEED = 70 MPH

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	4

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X) NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
( ) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

(X) 1 - FREEWAY
( ) 2 - RESTRICTIVE w/Service Roads
( ) 3 - RESTRICTIVE w/660 ft. Connection Spacing
( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

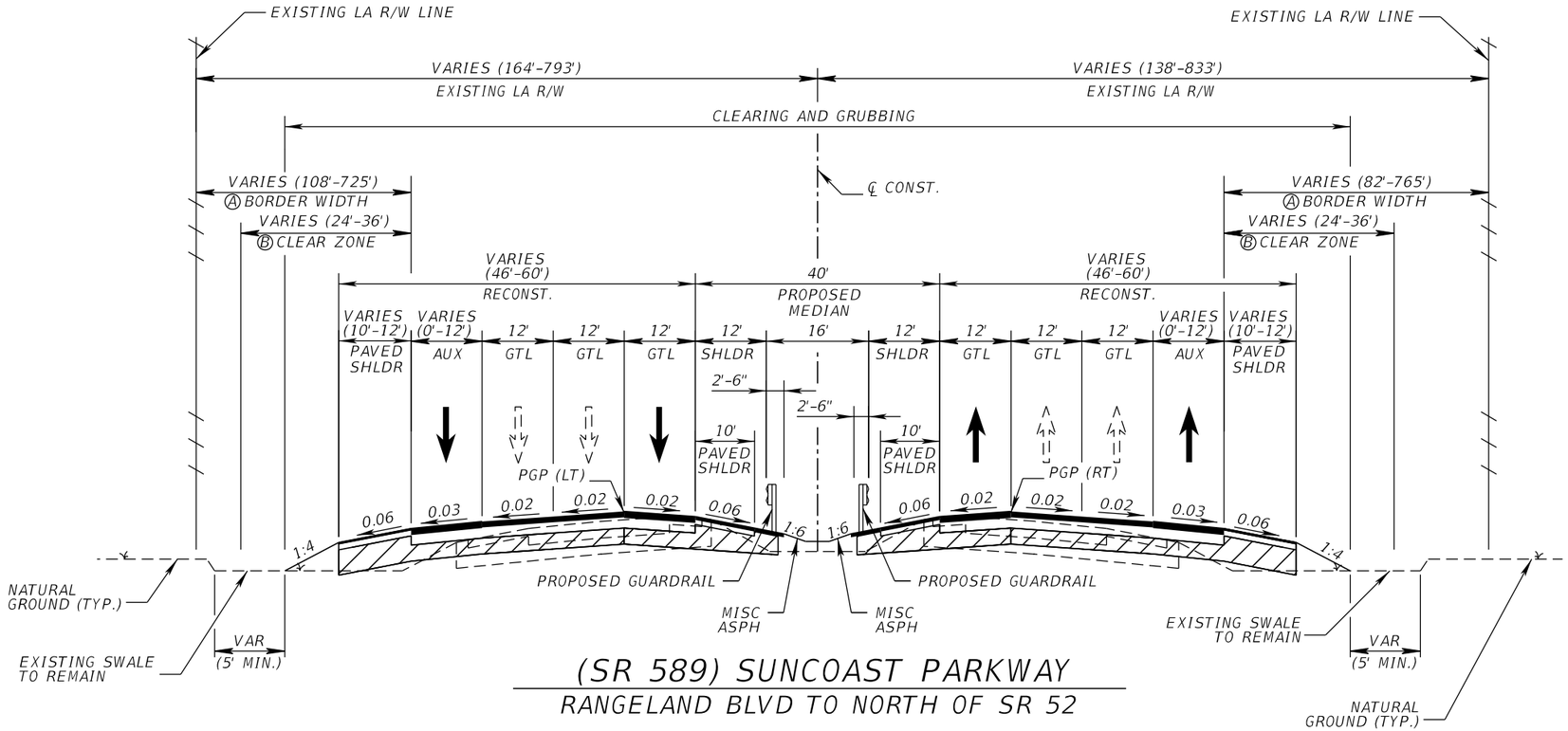
CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
( ) RESURFACING (LA FACILITIES)
( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

DESIGN VARIATION MEMORANDUM
Ⓐ BORDER WIDTH
Ⓑ CLEAR ZONE

TYPICAL SECTION No. 3



(SR 589) SUNCOAST PARKWAY

RANGELAND BLVD TO NORTH OF SR 52

MP 20.068 TO MP 29.000

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 43,000
ESTIMATED OPENING YEAR = 2030 AADT = 50,100
ESTIMATED DESIGN YEAR = 2050 AADT = 70,400
K = 10% D = 61% T = 12.19% (24 HOUR)
DESIGN HOUR T = 6.1%
DESIGN SPEED = 70 MPH
POSTED SPEED = 70 MPH

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	5

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

4/30/2026 3:58:30 PM

PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X) NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
( ) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

(X) 1 - FREEWAY
( ) 2 - RESTRICTIVE w/Service Roads
( ) 3 - RESTRICTIVE w/660 ft. Connection Spacing
( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

CRITERIA

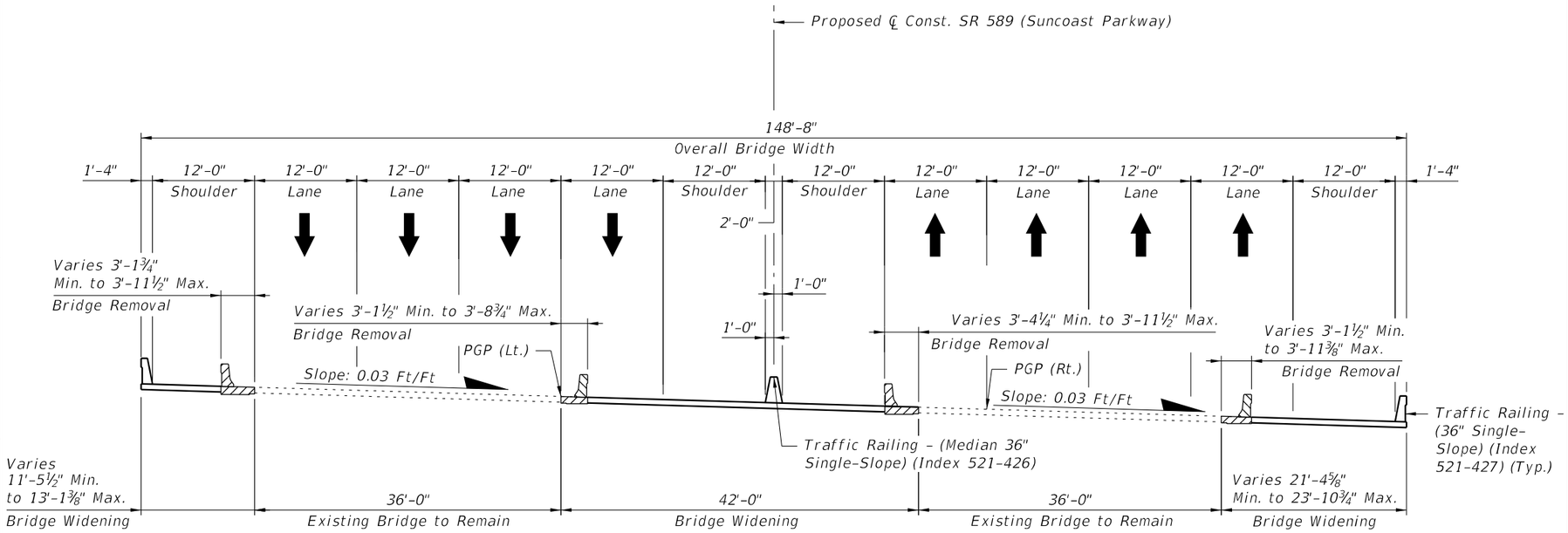
(X) NEW CONSTRUCTION / RECONSTRUCTION
( ) RESURFACING (LA FACILITIES)
( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

DESIGN VARIATION

DESIGN EXCEPTIONS

TYPICAL SECTION No. 4



TYPICAL SECTION

Bridge Nos. 100626 (NB) and 100627 (SB)
SR 589 (Suncoast Parkway) over Van Dyke Rd.
M.P. 14.2

TRAFFIC DATA

CURRENT YEAR 2023 = AADT = 46,600
ESTIMATED OPENING YEAR = 2030 AADT = 61,100
ESTIMATED DESIGN YEAR = 2050 AADT = 102,400
K = 10% D = 61% T = 12.19% (24 HOUR)
DESIGN HOUR T = 6.10%
DESIGN SPEED = 70 MPH
POSTED SPEED = 70 MPH

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	6

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PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X) NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
( ) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

(X) 1 - FREEWAY
( ) 2 - RESTRICTIVE w/Service Roads
( ) 3 - RESTRICTIVE w/660 ft. Connection Spacing
( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

CRITERIA

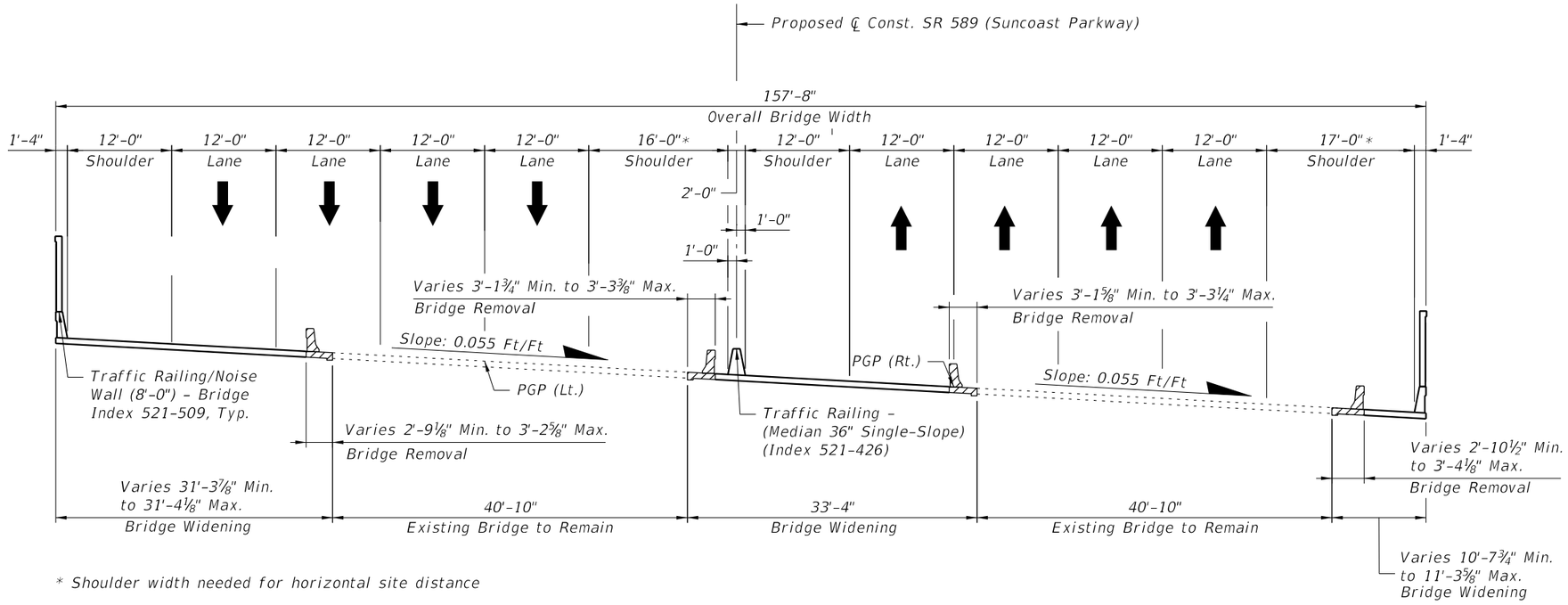
(X) NEW CONSTRUCTION / RECONSTRUCTION
( ) RESURFACING (LA FACILITIES)
( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

DESIGN VARIATION

DESIGN EXCEPTIONS

TYPICAL SECTION No. 5



* Shoulder width needed for horizontal site distance

TYPICAL SECTION

Bridge Nos. 100628 (NB) and 100629 (SB)
SR 589 (Suncoast Parkway) over Ramblewood Rd.
M.P. 15.2

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 46,600
ESTIMATED OPENING YEAR = 2030 AADT = 61,100
ESTIMATED DESIGN YEAR = 2050 AADT = 102,400
K = 10% D = 61% T = 12.19% (24 HOUR)
DESIGN HOUR T = 6.1%
DESIGN SPEED = 70 MPH
POSTED SPEED = 70 MPH

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	7

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PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X) NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
( ) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

(X) 1 - FREEWAY
( ) 2 - RESTRICTIVE w/Service Roads
( ) 3 - RESTRICTIVE w/660 ft. Connection Spacing
( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

CRITERIA

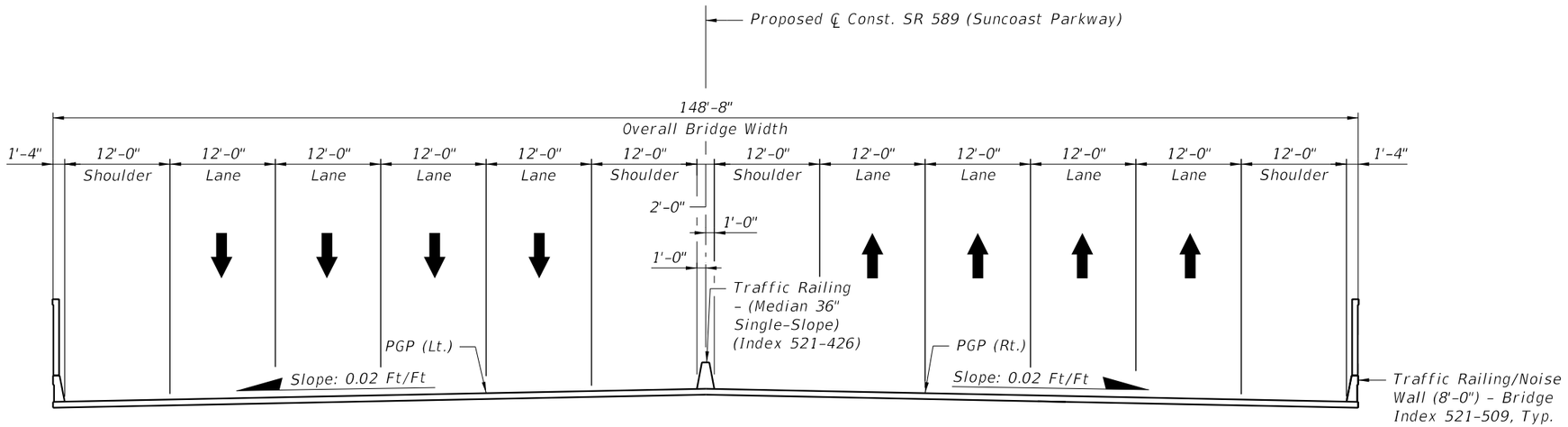
(X) NEW CONSTRUCTION / RECONSTRUCTION
( ) RESURFACING (LA FACILITIES)
( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

DESIGN VARIATION

DESIGN EXCEPTIONS

TYPICAL SECTION No. 6



TYPICAL SECTION

Existing Bridge Nos. 100630 (NB) and 100631 (SB)
SR 589 (Suncoast Parkway) over TPC Boulevard
M.P. 15.8

TRAFFIC DATA

CURRENT YEAR 2023 = AADT = 46,600
ESTIMATED OPENING YEAR = 2030 AADT = 61,100
ESTIMATED DESIGN YEAR = 2050 AADT = 102,400
K = 10% D = 61% T = 12.19% (24 HOUR)
DESIGN HOUR T = 6.1%
DESIGN SPEED = 70 MPH
POSTED SPEED = 70 MPH

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	8

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PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X) NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
( ) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

(X) 1 - FREEWAY
( ) 2 - RESTRICTIVE w/Service Roads
( ) 3 - RESTRICTIVE w/660 ft. Connection Spacing
( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

CRITERIA

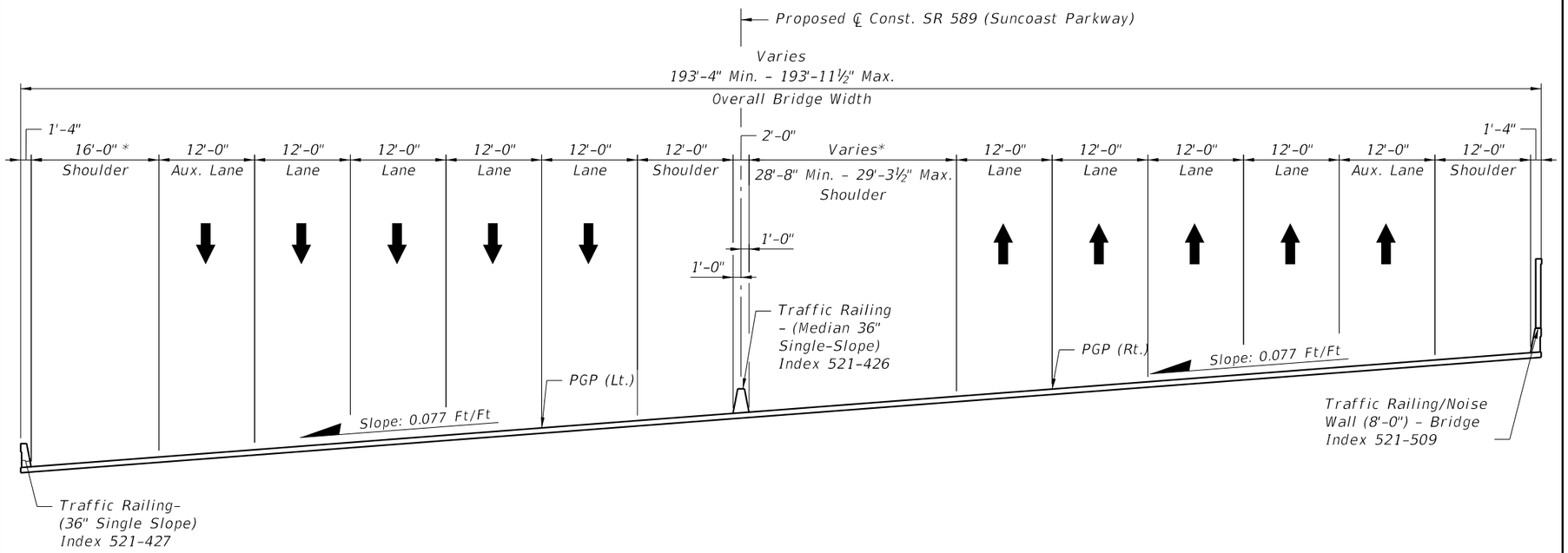
(X) NEW CONSTRUCTION / RECONSTRUCTION
( ) RESURFACING (LA FACILITIES)
( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

DESIGN VARIATION

DESIGN EXCEPTIONS

TYPICAL SECTION No. 7



* Shoulder width necessary for stopping sight distance

TYPICAL SECTION

Existing Bridge Nos. 100632 (NB) and 100633 (SB)
SR 589 (Suncoast Parkway) over W. Lutz Lake Fern Rd.
M.P. 16.3

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 46,600
ESTIMATED OPENING YEAR = 2030 AADT = 61,100
ESTIMATED DESIGN YEAR = 2050 AADT = 102,400
K = 10% D = 61% T = 12.19% (24 HOUR)
DESIGN HOUR T = 6.1%
DESIGN SPEED = 70 MPH
POSTED SPEED = 70 MPH

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	9

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PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X) NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
( ) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

(X) 1 - FREEWAY
( ) 2 - RESTRICTIVE w/Service Roads
( ) 3 - RESTRICTIVE w/660 ft. Connection Spacing
( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

CRITERIA

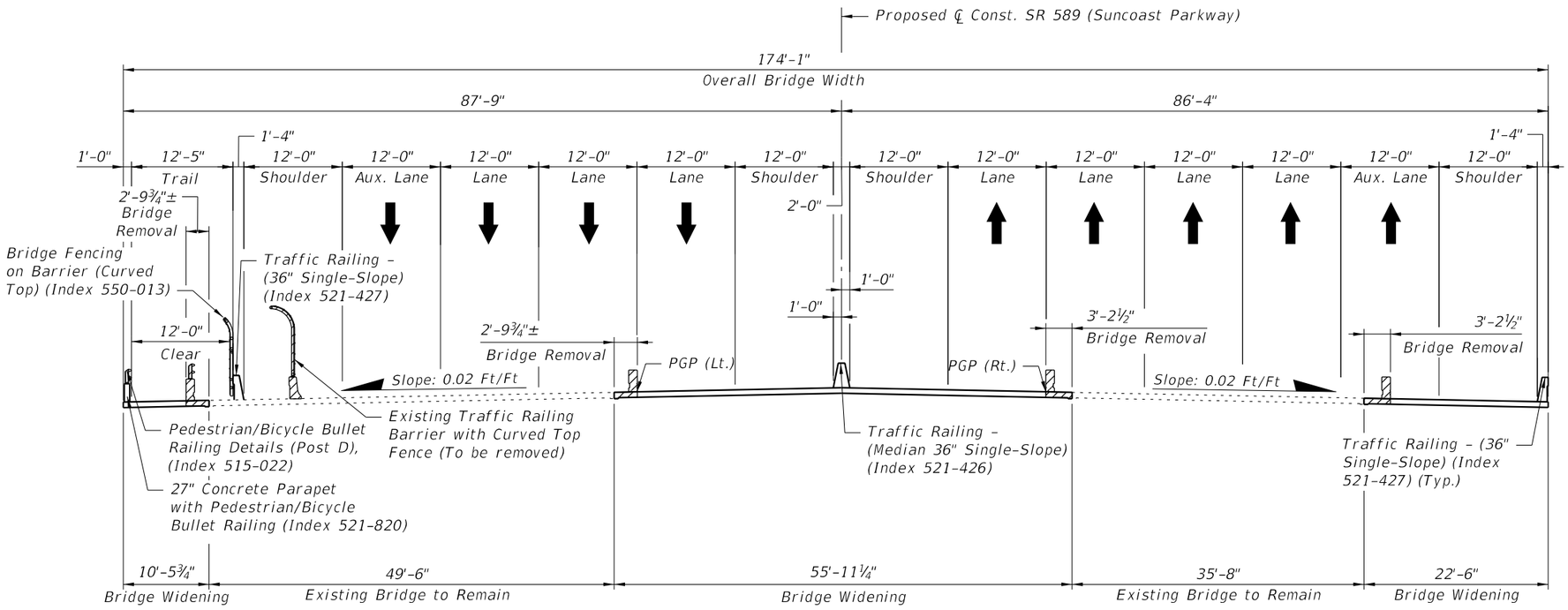
(X) NEW CONSTRUCTION / RECONSTRUCTION
( ) RESURFACING (LA FACILITIES)
( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

DESIGN VARIATION

DESIGN EXCEPTIONS

TYPICAL SECTION No. 8



TYPICAL SECTION

Bridge Nos. 140069 (NB) and 140070 (SB)
SR 589 (Suncoast Parkway) over South Branch Anclote River
M.P. 17.9

TRAFFIC DATA

CURRENT YEAR 2023 = AADT = 46,600
ESTIMATED OPENING YEAR = 2030 AADT = 61,100
ESTIMATED DESIGN YEAR = 2050 AADT = 102,400
K = 10% D = 61% T = 12.19% (24 HOUR)
DESIGN HOUR T = 6.1%
DESIGN SPEED = 70 MPH
POSTED SPEED = 70 MPH

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	10

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PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

- (X) NATIONAL HIGHWAY SYSTEM
- (X) STRATEGIC INTERMODAL SYSTEM
- (X) STATE HIGHWAY SYSTEM
- ( ) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

- (X) 1 - FREEWAY
- ( ) 2 - RESTRICTIVE w/Service Roads
- ( ) 3 - RESTRICTIVE w/660 ft. Connection Spacing
- ( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
- ( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
- ( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
- ( ) 7 - BOTH MEDIAN TYPES

CRITERIA

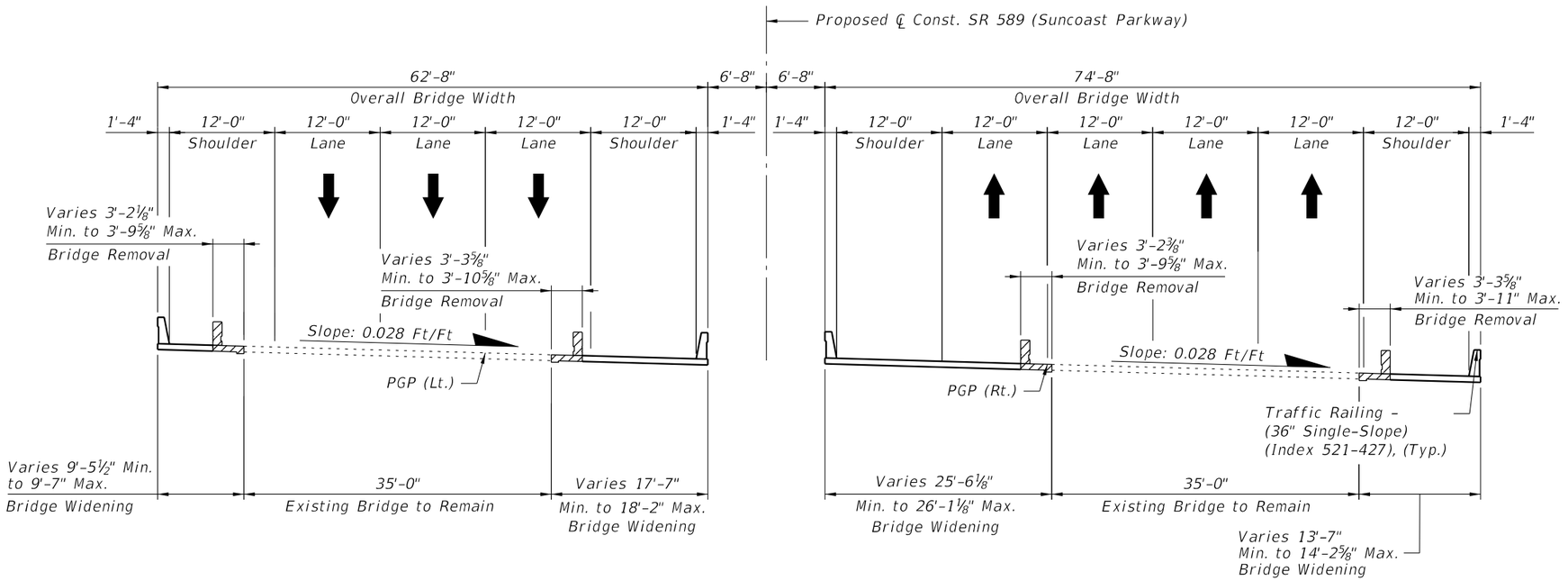
- (X) NEW CONSTRUCTION / RECONSTRUCTION
- ( ) RESURFACING (LA FACILITIES)
- ( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

DESIGN VARIATION

DESIGN EXCEPTIONS

TYPICAL SECTION No. 9



(SOUTHBOUND)
Bridge No. 140073

(NORTHBOUND)
Bridge No. 140072

TYPICAL SECTION

Bridge Nos. 140072 (NB) and 140073 (SB)
SR 589 (Suncoast Parkway) over SR 54
M.P. 18.7

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 46,600
ESTIMATED OPENING YEAR = 2030 AADT = 67,400
ESTIMATED DESIGN YEAR = 2050 AADT = 126,800
K = 10% D = 61% T = 12.19% (24 HOUR)
DESIGN HOUR T = 6.1%
DESIGN SPEED = 70 MPH
POSTED SPEED = 70 MPH

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	11

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PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X) NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
( ) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

(X) 1 - FREEWAY
( ) 2 - RESTRICTIVE w/Service Roads
( ) 3 - RESTRICTIVE w/660 ft. Connection Spacing
( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

CRITERIA

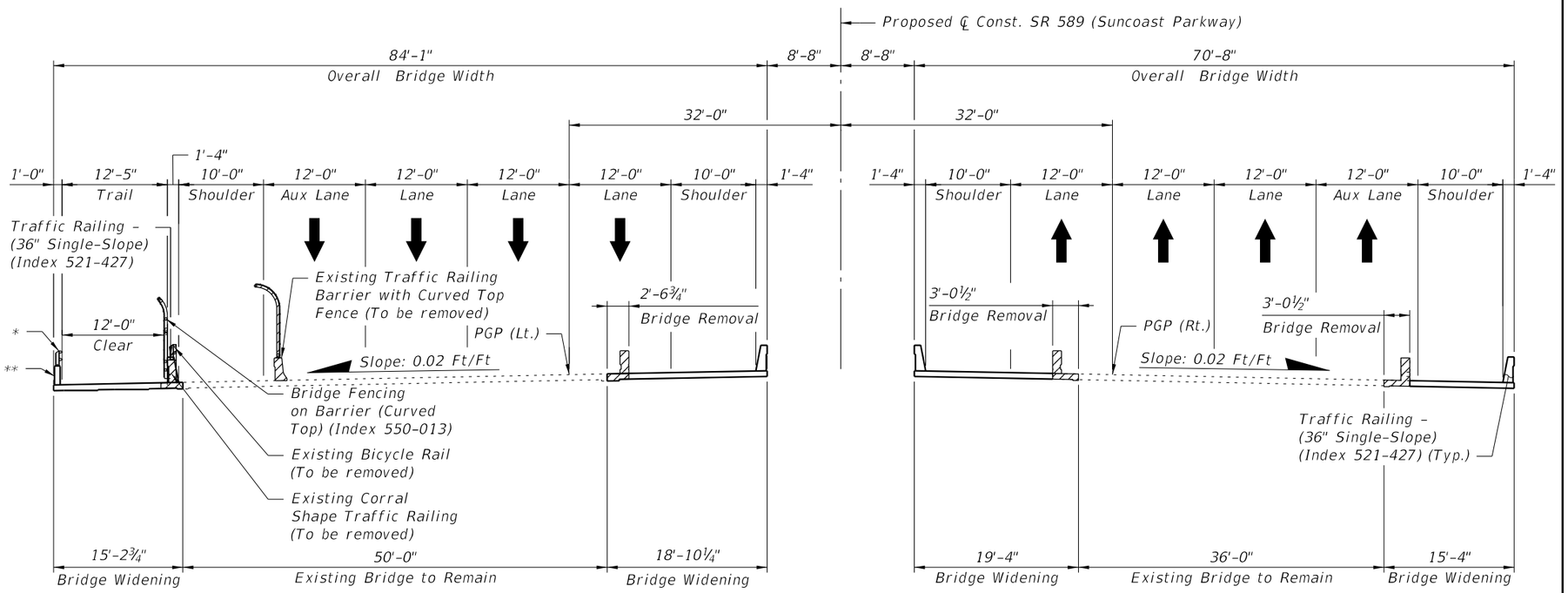
(X) NEW CONSTRUCTION / RECONSTRUCTION
( ) RESURFACING (LA FACILITIES)
( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

DESIGN VARIATION

DESIGN EXCEPTIONS

TYPICAL SECTION No. 10



(SOUTHBOUND)
Bridge No. 140075

(NORTHBOUND)
Bridge No. 140074

Legend

* - Pedestrian/Bicycle Bullet Railing Details (Post D), (Index 515-022)

** - 27" Concrete Parapet with Pedestrian/Bicycle Bullet Railing (Index 521-820)

TRAFFIC DATA

CURRENT YEAR = 2023 ADT = 43,000
ESTIMATED OPENING YEAR = 2030 AADT = 50,100
ESTIMATED DESIGN YEAR = 2050 AADT = 70,400
K = 10% D = 61% T = 12.19% (24 HOUR)
DESIGN HOUR T = 6.1%
DESIGN SPEED = 70 MPH
POSTED SPEED = 70 MPH

TYPICAL SECTION

Bridge Nos. 140074 (NB) and 140075 (SB)
SR 589 (Suncoast Parkway) over Sandy Branch
M.P. 20.5

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	12

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PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X) NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
( ) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

(X) 1 - FREEWAY
( ) 2 - RESTRICTIVE w/Service Roads
( ) 3 - RESTRICTIVE w/660 ft. Connection Spacing
( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

CRITERIA

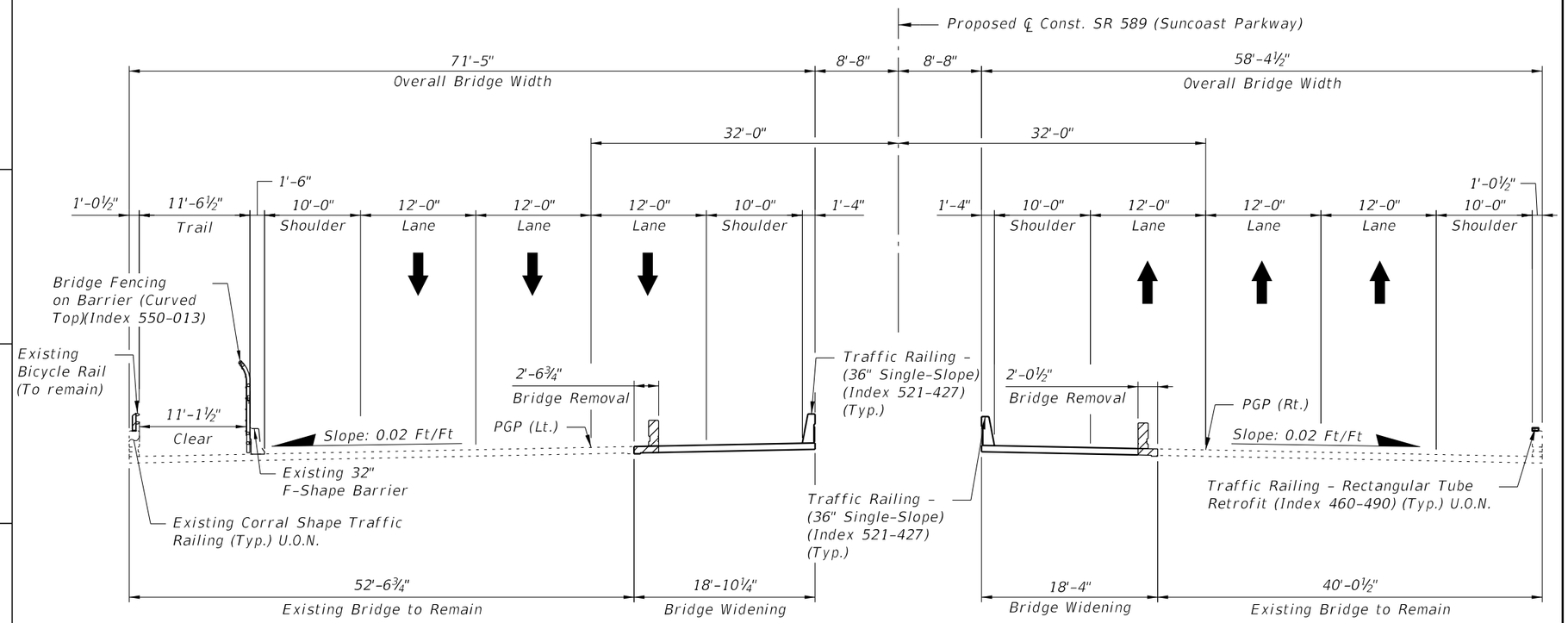
(X) NEW CONSTRUCTION / RECONSTRUCTION
( ) RESURFACING (LA FACILITIES)
( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

DESIGN VARIATION

DESIGN EXCEPTIONS

TYPICAL SECTION No. 11



(SOUTHBOUND)
Bridge No. 140077

(NORTHBOUND)
Bridge No. 140076

TYPICAL SECTION

Bridge Nos. 140076 (NB) and 140077 (SB)
SR 589 (Suncoast Parkway) over Anclote River (North)
M.P. 22

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 43,000
ESTIMATED OPENING YEAR = 2030 AADT = 50,100
ESTIMATED DESIGN YEAR = 2050 AADT = 70,400
K = 10% D = 61% T = 12.19% (24 HOUR)
DESIGN HOUR T = 6.1%
DESIGN SPEED = 70 MPH
POSTED SPEED = 70 MPH

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	13

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PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X) NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
( ) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

(X) 1 - FREEWAY
( ) 2 - RESTRICTIVE w/Service Roads
( ) 3 - RESTRICTIVE w/660 ft. Connection Spacing
( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

CRITERIA

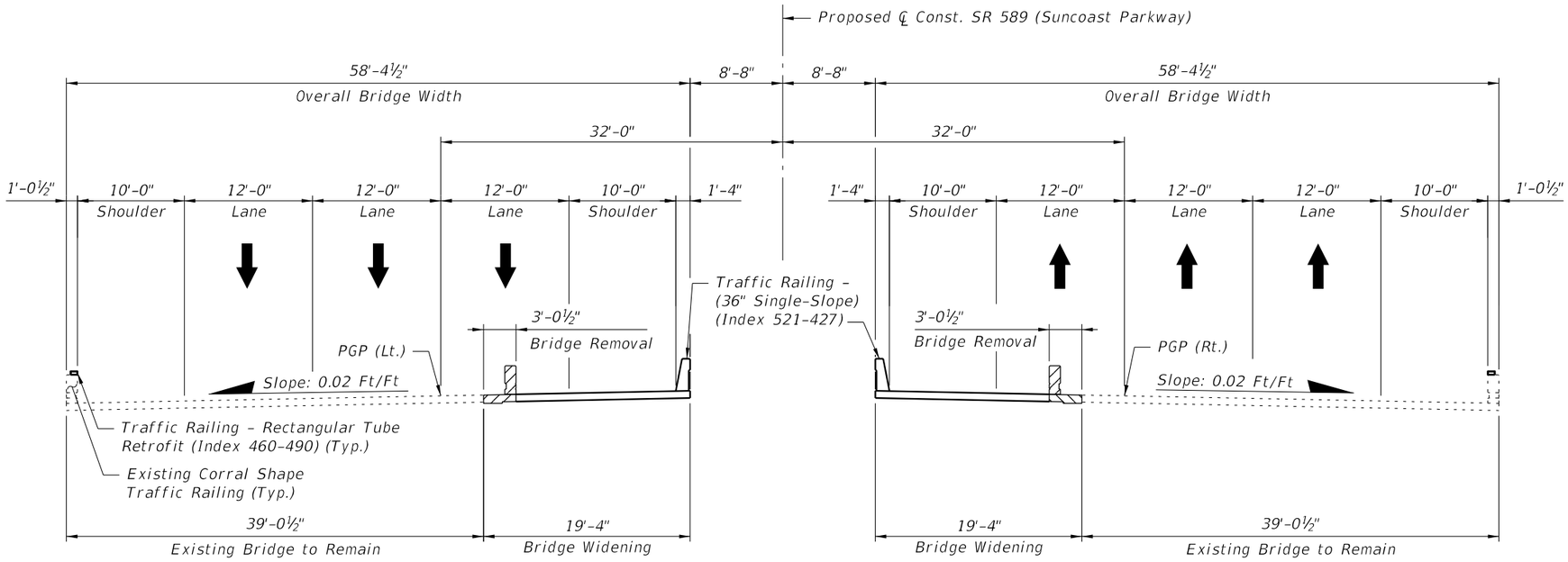
(X) NEW CONSTRUCTION / RECONSTRUCTION
( ) RESURFACING (LA FACILITIES)
( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

DESIGN VARIATION

DESIGN EXCEPTIONS

TYPICAL SECTION No. 12



(SOUTHBOUND)
Bridge No. 140090

(NORTHBOUND)
Bridge No. 140089

TYPICAL SECTION
Bridge Nos. 140089 (NB) and 140090 (SB)
SR 589 (Suncoast Parkway) over Ridge Road
M.P. 25.2

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 43,000
ESTIMATED OPENING YEAR = 2023 AADT = 50,100
ESTIMATED DESIGN YEAR = 2050 AADT = 70,400
K = 10% D = 61% T = 12.19% (24 HOUR)
DESIGN HOUR T = 6.1%
DESIGN SPEED = 70 MPH
POSTED SPEED = 70 MPH

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	14

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PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X) NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
( ) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

(X) 1 - FREEWAY
( ) 2 - RESTRICTIVE w/Service Roads
( ) 3 - RESTRICTIVE w/660 ft. Connection Spacing
( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

CRITERIA

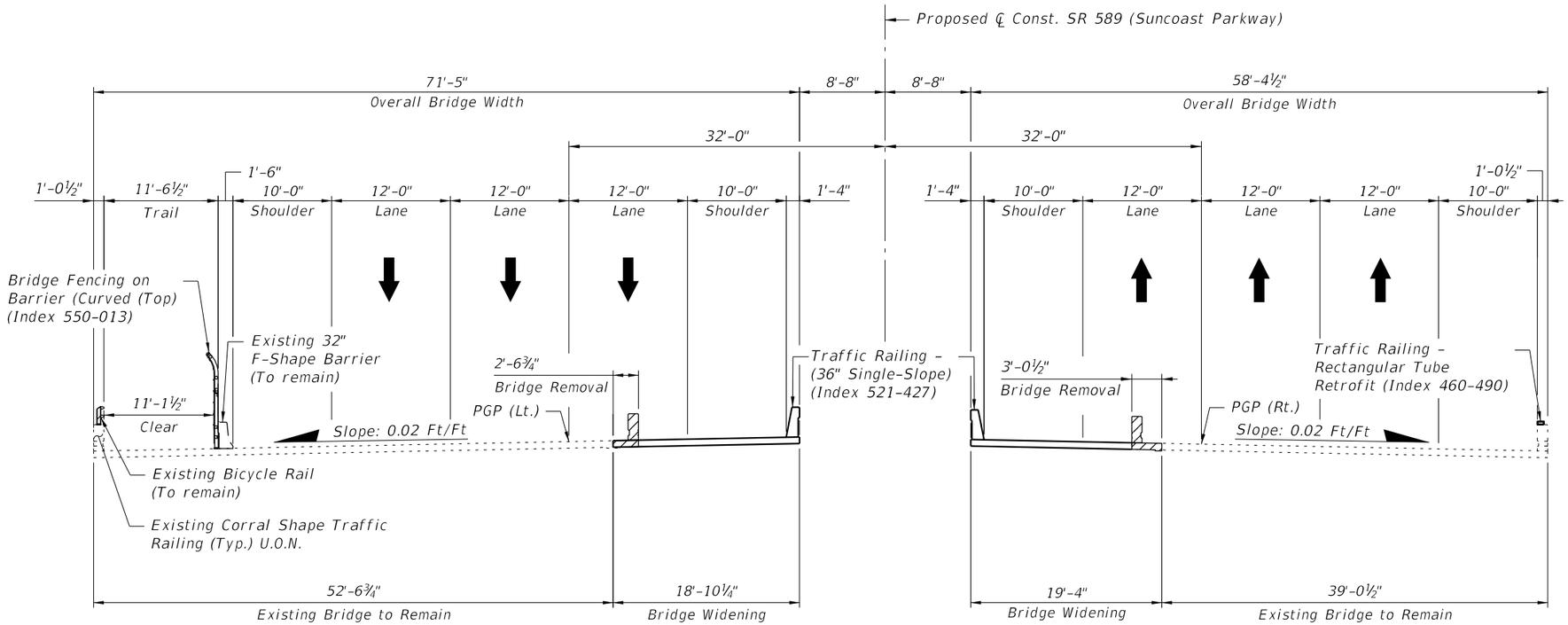
(X) NEW CONSTRUCTION / RECONSTRUCTION
( ) RESURFACING (LA FACILITIES)
( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

DESIGN VARIATION

DESIGN EXCEPTIONS

TYPICAL SECTION No. 13



(SOUTHBOUND)
Bridge No. 140079

(NORTHBOUND)
Bridge No. 140078

TYPICAL SECTION

Bridge Nos. 140078 (NB) and 140079 (SB)
SR 589 (Suncoast Parkway) over Five Mile Creek
M.P. 25.8

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 43,000
ESTIMATED OPENING YEAR = 2030 AADT = 50,100
ESTIMATED DESIGN YEAR = 2050 AADT = 70,400
K = 10% D = 61% T = 12.19% (24 HOUR)
DESIGN HOUR T = 6.1%
DESIGN SPEED = 70 MPH
POSTED SPEED = 70 MPH

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	15

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PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X) NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
( ) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

(X) 1 - FREEWAY
( ) 2 - RESTRICTIVE w/Service Roads
( ) 3 - RESTRICTIVE w/660 ft. Connection Spacing
( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

CRITERIA

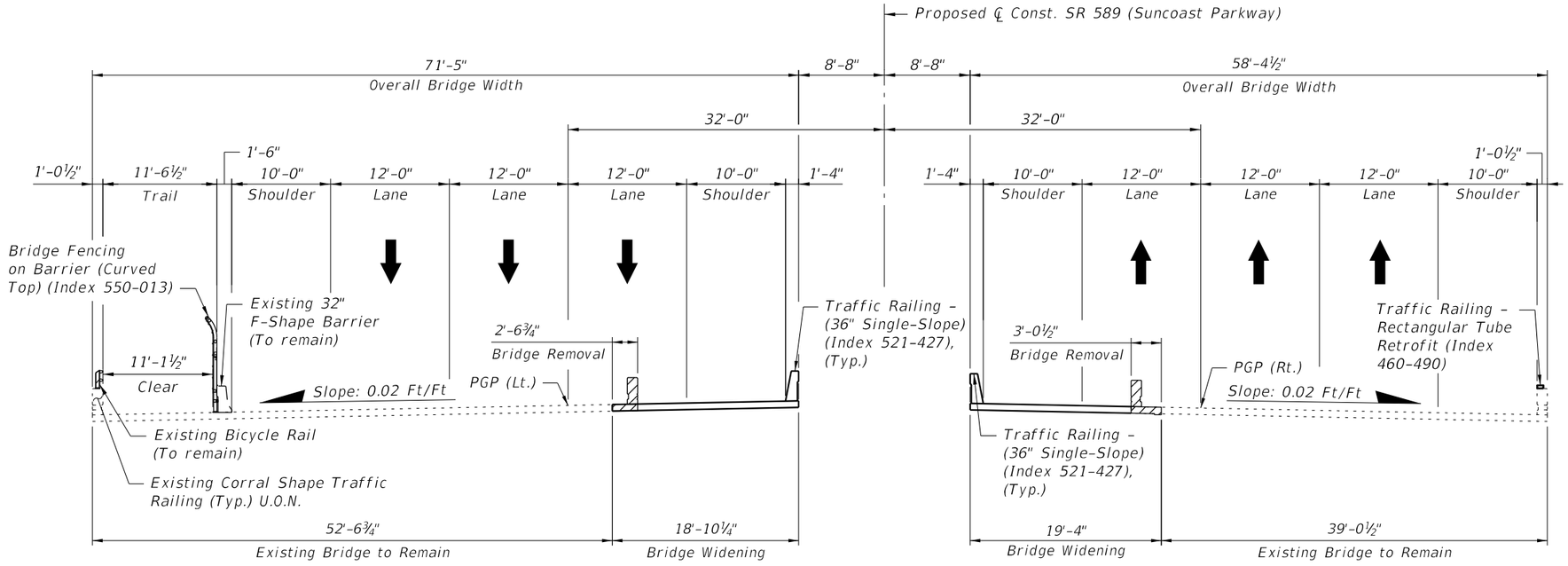
(X) NEW CONSTRUCTION / RECONSTRUCTION
( ) RESURFACING (LA FACILITIES)
( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

DESIGN VARIATION

DESIGN EXCEPTIONS

TYPICAL SECTION No. 14



(SOUTHBOUND)
Bridge No. 140081

(NORTHBOUND)
Bridge No. 140080

TYPICAL SECTION

Bridge Nos. 140080 (NB) and 140081 (SB)
SR 589 (Suncoast Parkway) over Pithlachascotee River
M.P. 26.9

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 43,000
ESTIMATED OPENING YEAR = 2030 AADT = 50,100
ESTIMATED DESIGN YEAR = 2050 AADT = 70,400
K = 10% D = 61% T = 12.19% (24 HOUR)
DESIGN HOUR T = 6.1%
DESIGN SPEED = 70 MPH
POSTED SPEED = 70 MPH

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	16

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PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X) NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
( ) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

(X) 1 - FREEWAY
( ) 2 - RESTRICTIVE w/Service Roads
( ) 3 - RESTRICTIVE w/660 ft. Connection Spacing
( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

CRITERIA

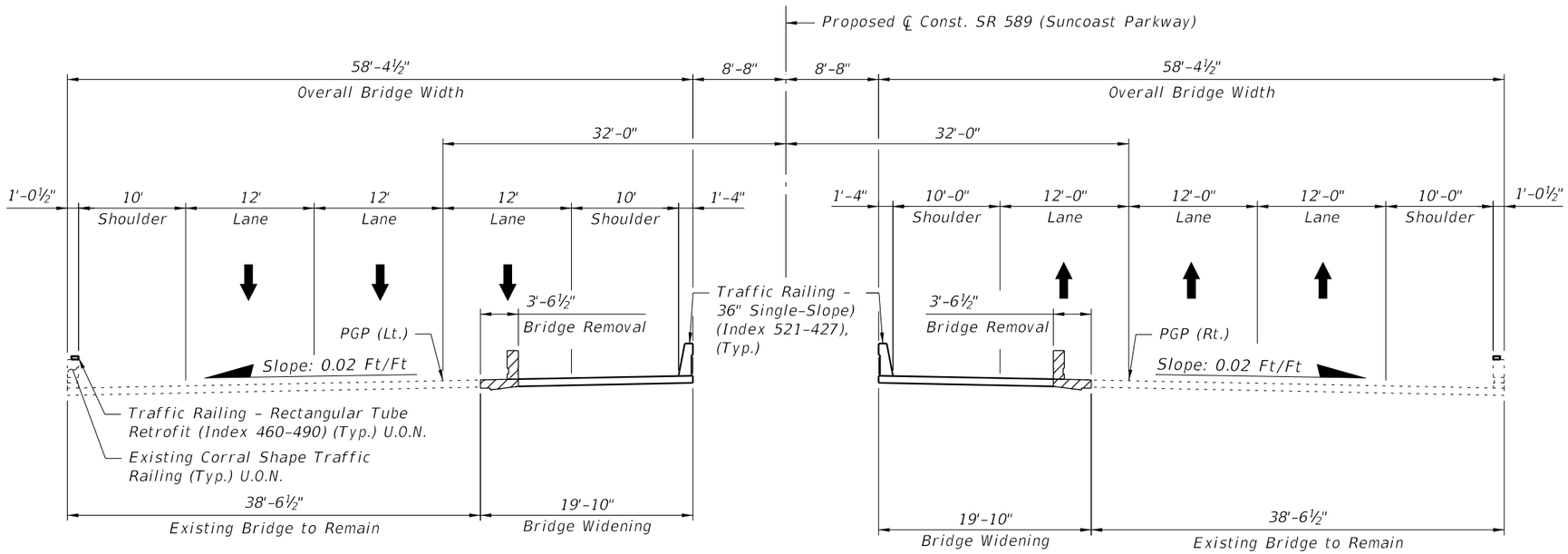
(X) NEW CONSTRUCTION / RECONSTRUCTION
( ) RESURFACING (LA FACILITIES)
( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

DESIGN VARIATION

DESIGN EXCEPTIONS

TYPICAL SECTION No. 15



(SOUTHBOUND)
Bridge No. 140083

(NORTHBOUND)
Bridge No. 140082

TYPICAL SECTION
Bridge Nos. 140082 (NB) and 140083 (SB)
SR 589 (Suncoast Parkway) over SR 52
M.P. 28.5

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 43,000
ESTIMATED OPENING YEAR = 2030 AADT = 50,100
ESTIMATED DESIGN YEAR = 2050 AADT = 70,400
K = 10% D = 61% T = 12.19% (24 HOUR)
DESIGN HOUR T = 6.1%
DESIGN SPEED = 70 MPH
POSTED SPEED = 70 MPH

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	17

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PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X) NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
( ) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

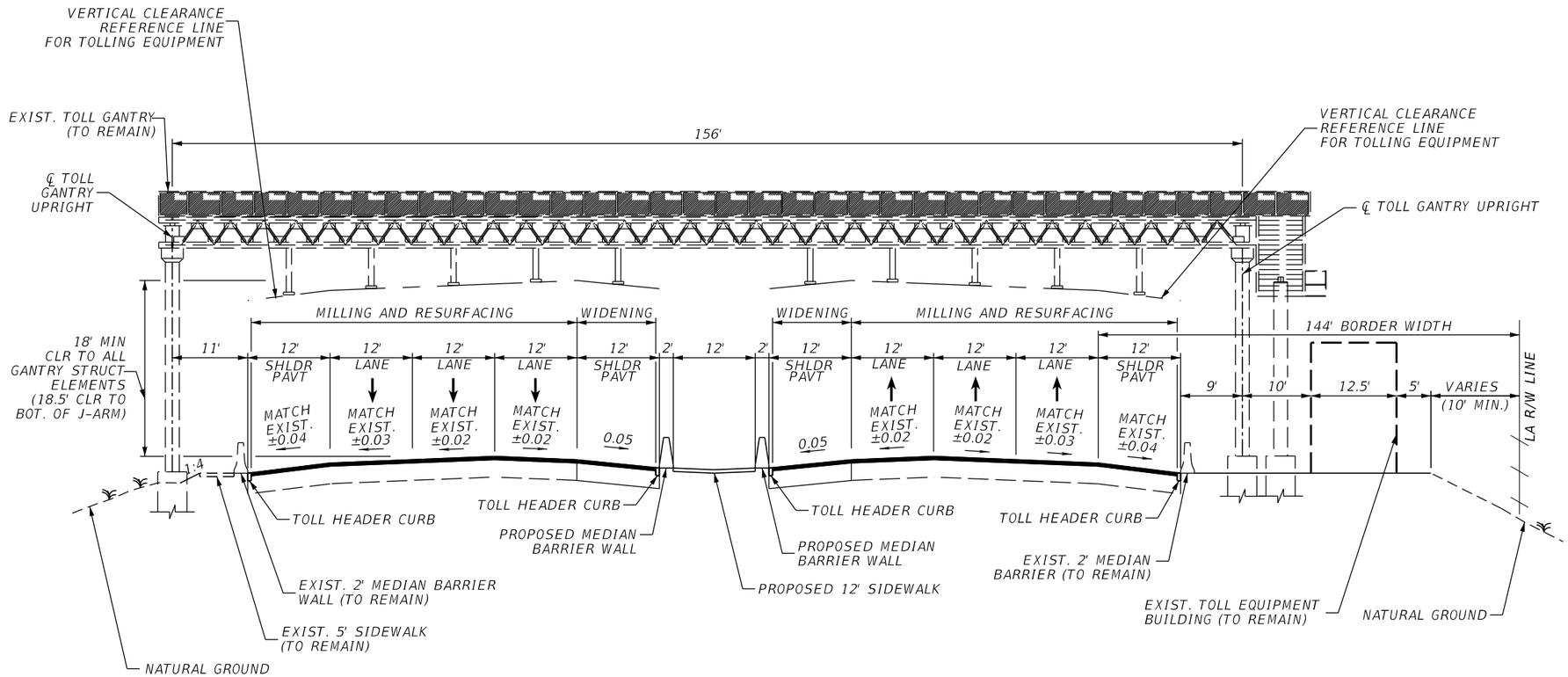
(X) 1 - FREEWAY
( ) 2 - RESTRICTIVE w/Service Roads
( ) 3 - RESTRICTIVE w/660 ft. Connection Spacing
( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
( ) RESURFACING (LA FACILITIES)
( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 16



(SR 589) SUNCOAST PARKWAY

EXISTING MAINLINE
TOLL SITE 7R
N.T.S

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	18

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PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X) NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
( ) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

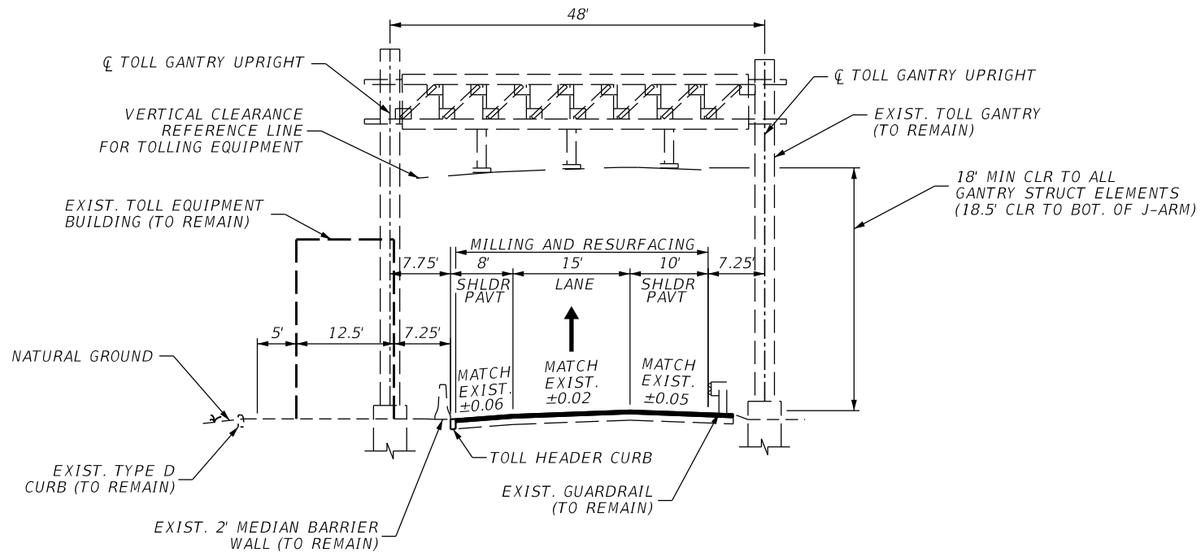
(X) 1 - FREEWAY
( ) 2 - RESTRICTIVE w/Service Roads
( ) 3 - RESTRICTIVE w/660 ft. Connection Spacing
( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

CRITERIA

( ) NEW CONSTRUCTION / RECONSTRUCTION
(X) RESURFACING (LA FACILITIES)
( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 17



(SR 589) SUNCOAST PARKWAY

EXISTING NORTHBOUND
ON-RAMP AT VAN DYKE RD
TOLL SITE 1R
N.T.S

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FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	19

4/30/2026 4:01:20 PM

PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X)	NATIONAL HIGHWAY SYSTEM
(X)	STRATEGIC INTERMODAL SYSTEM
(X)	STATE HIGHWAY SYSTEM
( )	OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

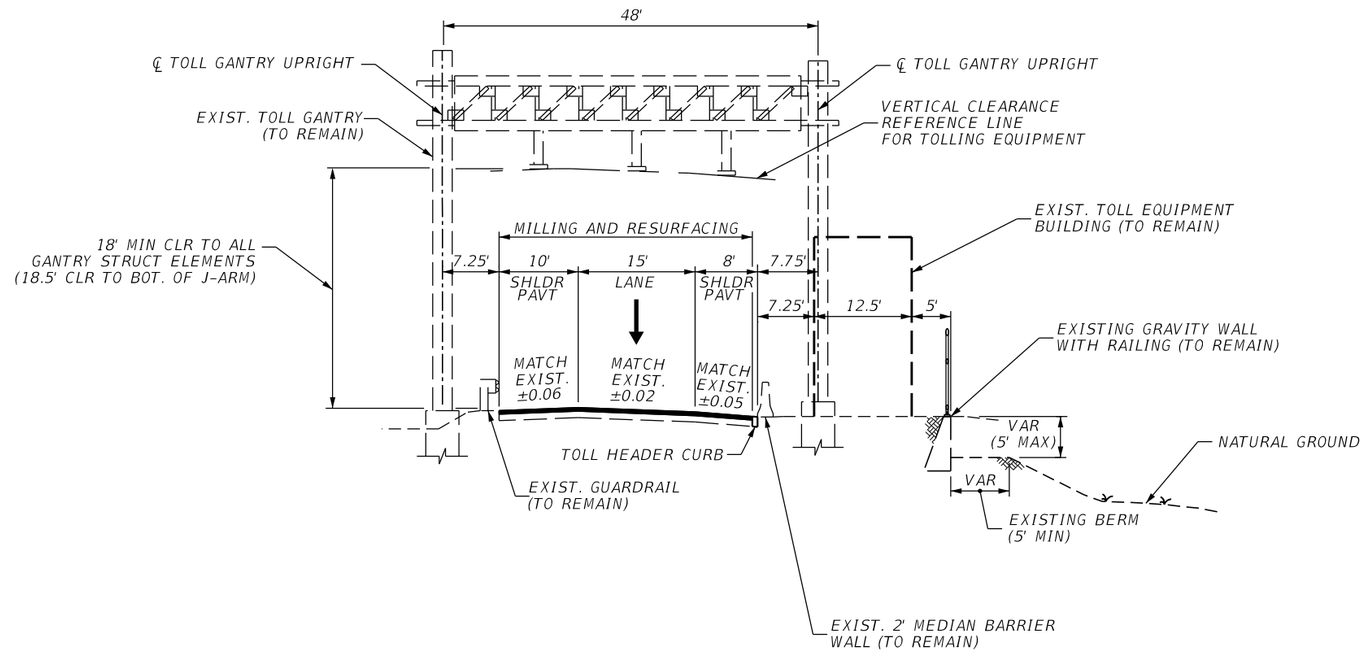
(X)	1 - FREEWAY
( )	2 - RESTRICTIVE w/Service Roads
( )	3 - RESTRICTIVE w/660 ft. Connection Spacing
( )	4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( )	5 - RESTRICTIVE w/440 ft. Connection Spacing
( )	6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( )	7 - BOTH MEDIAN TYPES

CRITERIA

( )	NEW CONSTRUCTION / RECONSTRUCTION
(X)	RESURFACING (LA FACILITIES)
( )	RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 18



(SR 589) SUNCOAST PARKWAY

EXISTING SOUTHBOUND
OFF-RAMP AT VAN DYKE RD
TOLL SITE 2R
N.T.S

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FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	20

PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X)	NATIONAL HIGHWAY SYSTEM
(X)	STRATEGIC INTERMODAL SYSTEM
(X)	STATE HIGHWAY SYSTEM
( )	OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

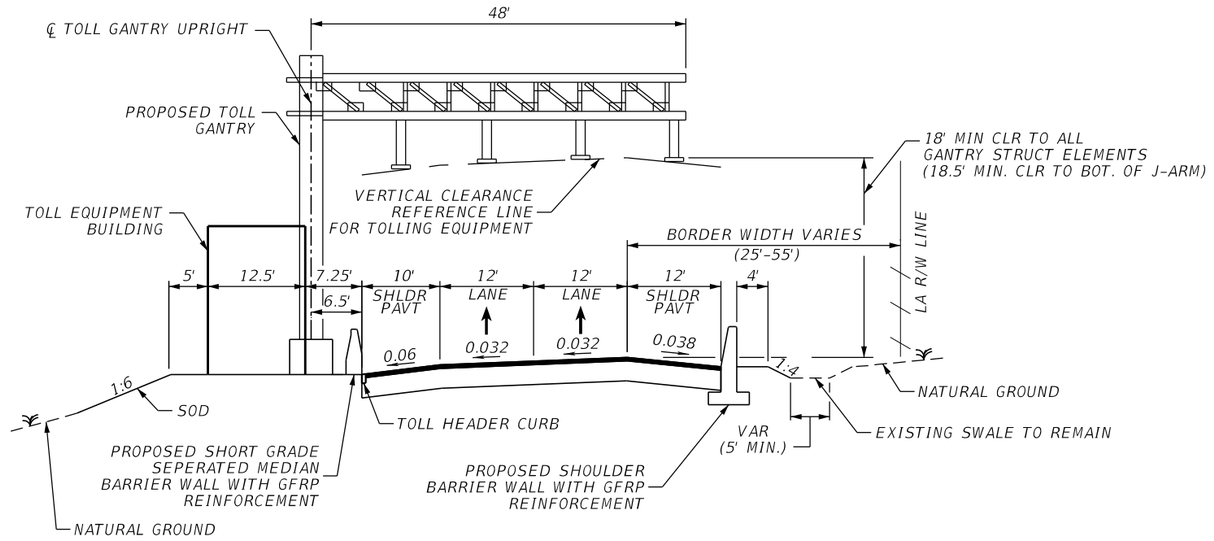
(X)	1 - FREEWAY
( )	2 - RESTRICTIVE w/Service Roads
( )	3 - RESTRICTIVE w/660 ft. Connection Spacing
( )	4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( )	5 - RESTRICTIVE w/440 ft. Connection Spacing
( )	6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( )	7 - BOTH MEDIAN TYPES

CRITERIA

(X)	NEW CONSTRUCTION / RECONSTRUCTION
( )	RESURFACING (LA FACILITIES)
( )	RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 19



(SR 589) SUNCOAST PARKWAY

PROPOSED NORTHBOUND
OFF-RAMP AT SR 54 (TDI)
TOLL SITE 3
N.T.S

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	21

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4/30/2026 4:01:21 PM

PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X)	NATIONAL HIGHWAY SYSTEM
(X)	STRATEGIC INTERMODAL SYSTEM
(X)	STATE HIGHWAY SYSTEM
( )	OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

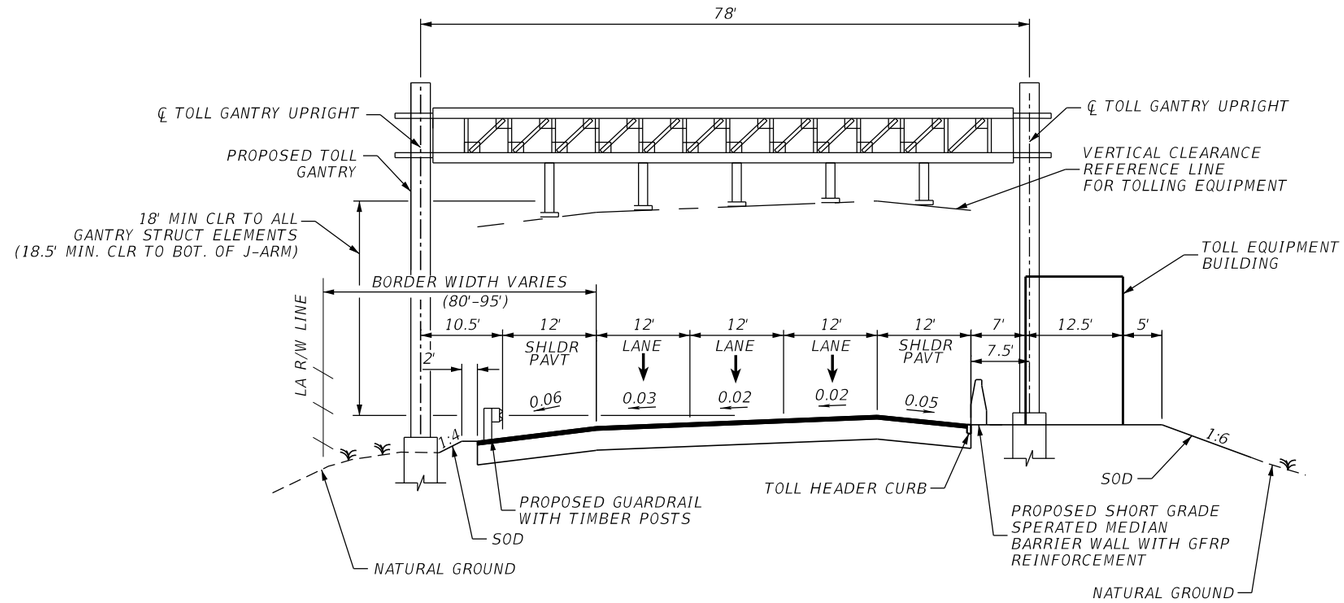
(X)	1 - FREEWAY
( )	2 - RESTRICTIVE w/Service Roads
( )	3 - RESTRICTIVE w/660 ft. Connection Spacing
( )	4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( )	5 - RESTRICTIVE w/440 ft. Connection Spacing
( )	6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( )	7 - BOTH MEDIAN TYPES

CRITERIA

(X)	NEW CONSTRUCTION / RECONSTRUCTION
( )	RESURFACING (LA FACILITIES)
( )	RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 20



(SR 589) SUNCOAST PARKWAY

PROPOSED SOUTHBOUND
ON-RAMP AT SR 54 (TDI)
TOLL SITE 4
N.T.S

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FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	22

4/30/2026 4:01:21 PM

PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X) NATIONAL HIGHWAY SYSTEM

(X) STRATEGIC INTERMODAL SYSTEM

(X) STATE HIGHWAY SYSTEM

( ) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

(X) 1 - FREEWAY

( ) 2 - RESTRICTIVE w/Service Roads

( ) 3 - RESTRICTIVE w/660 ft. Connection Spacing

( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing

( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing

( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing

( ) 7 - BOTH MEDIAN TYPES

CRITERIA

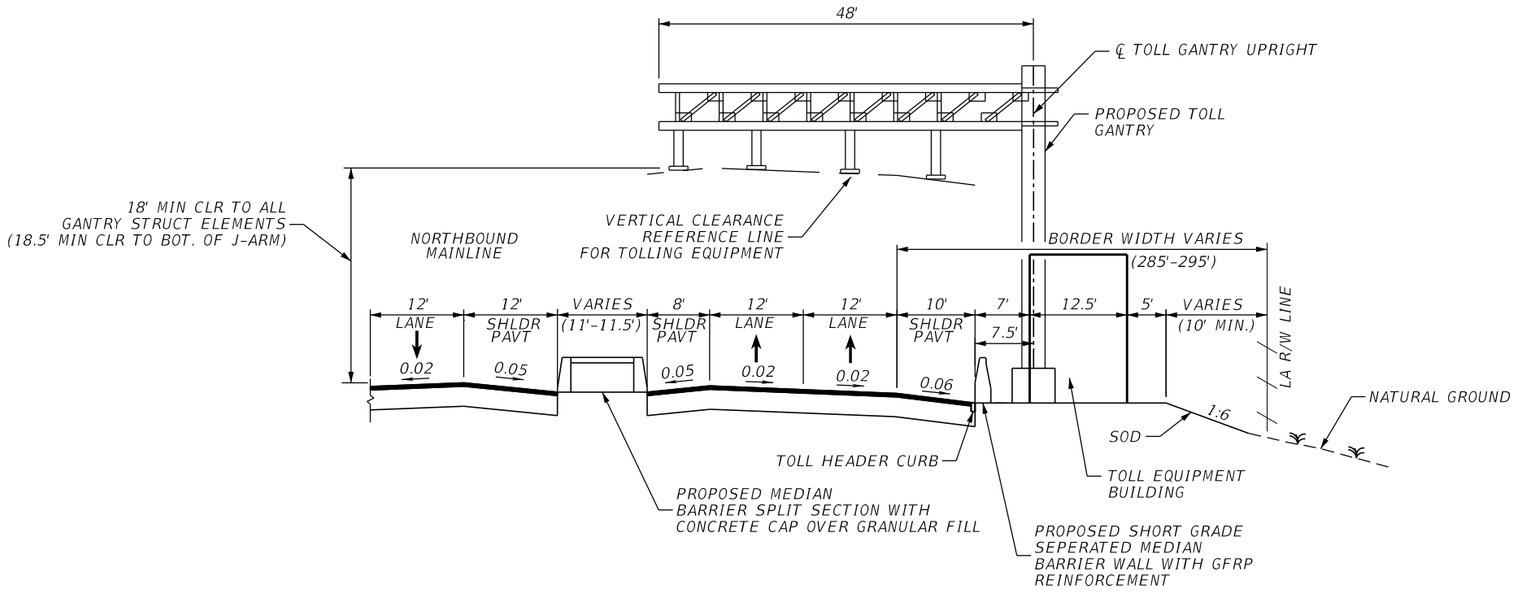
(X) NEW CONSTRUCTION / RECONSTRUCTION

( ) RESURFACING (LA FACILITIES)

( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 21



(SR 589) SUNCOAST PARKWAY

PROPOSED NORTHBOUND
OFF-RAMP AT RANGELAND BLVD
TOLL SITE 5
N.T.S

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	23

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4/30/2026 4:01:22 PM

PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X)	NATIONAL HIGHWAY SYSTEM
(X)	STRATEGIC INTERMODAL SYSTEM
(X)	STATE HIGHWAY SYSTEM
( )	OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

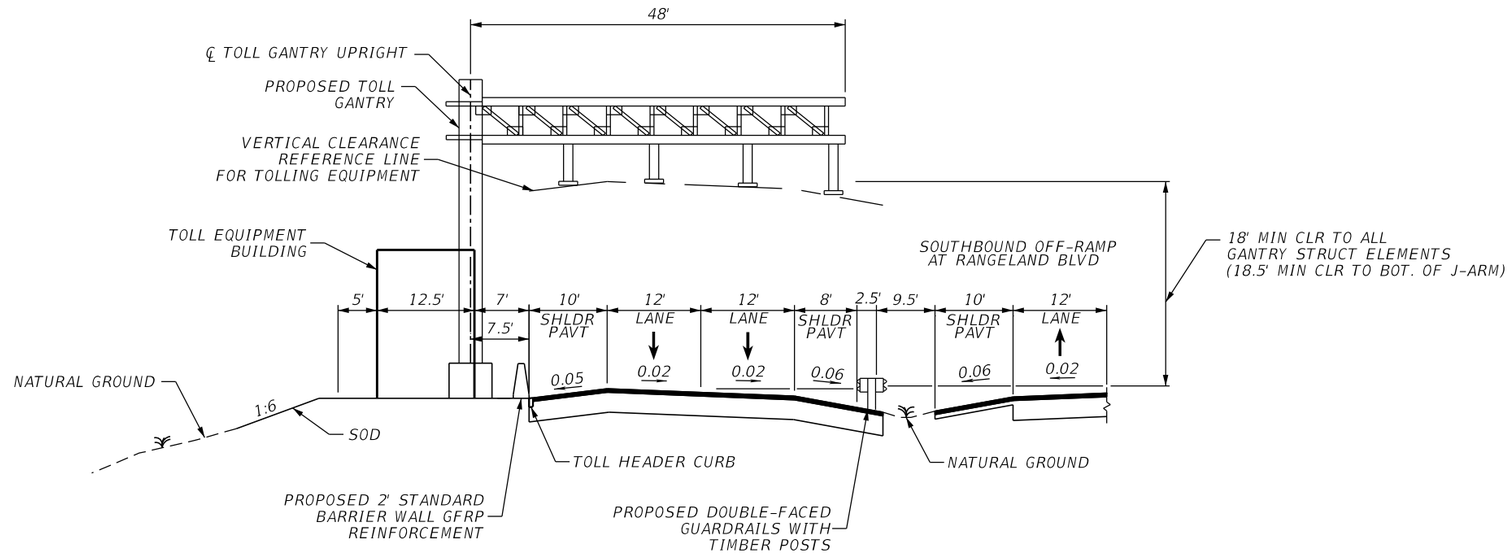
(X)	1 - FREEWAY
( )	2 - RESTRICTIVE w/Service Roads
( )	3 - RESTRICTIVE w/660 ft. Connection Spacing
( )	4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( )	5 - RESTRICTIVE w/440 ft. Connection Spacing
( )	6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( )	7 - BOTH MEDIAN TYPES

CRITERIA

(X)	NEW CONSTRUCTION / RECONSTRUCTION
( )	RESURFACING (LA FACILITIES)
( )	RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 22



(SR 589) SUNCOAST PARKWAY

PROPOSED SOUTHBOUND
ON-RAMP AT RANGELAND BLVD
TOLL SITE 6
N.T.S

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	24

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4/30/2026 4:01:22 PM

PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X)	NATIONAL HIGHWAY SYSTEM
(X)	STRATEGIC INTERMODAL SYSTEM
(X)	STATE HIGHWAY SYSTEM
( )	OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

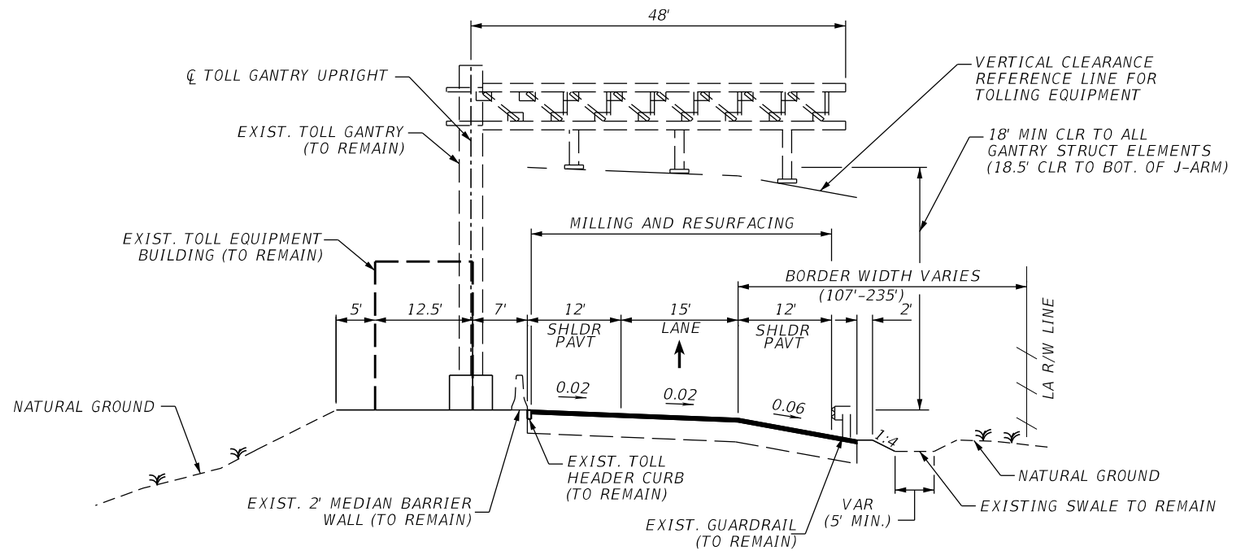
(X)	1 - FREEWAY
( )	2 - RESTRICTIVE w/Service Roads
( )	3 - RESTRICTIVE w/660 ft. Connection Spacing
( )	4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( )	5 - RESTRICTIVE w/440 ft. Connection Spacing
( )	6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( )	7 - BOTH MEDIAN TYPES

CRITERIA

(X)	NEW CONSTRUCTION / RECONSTRUCTION
( )	RESURFACING (LA FACILITIES)
( )	RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 23



(SR 589) SUNCOAST PARKWAY

EXISTING NORTHBOUND
ON-RAMP AT RIDGE ROAD
TOLL SITE 8R
N.T.S

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	25

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PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

(X)	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

(X) NATIONAL HIGHWAY SYSTEM

(X) STRATEGIC INTERMODAL SYSTEM

(X) STATE HIGHWAY SYSTEM

( ) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

(X) 1 - FREEWAY

( ) 2 - RESTRICTIVE w/Service Roads

( ) 3 - RESTRICTIVE w/660 ft. Connection Spacing

( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing

( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing

( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing

( ) 7 - BOTH MEDIAN TYPES

CRITERIA

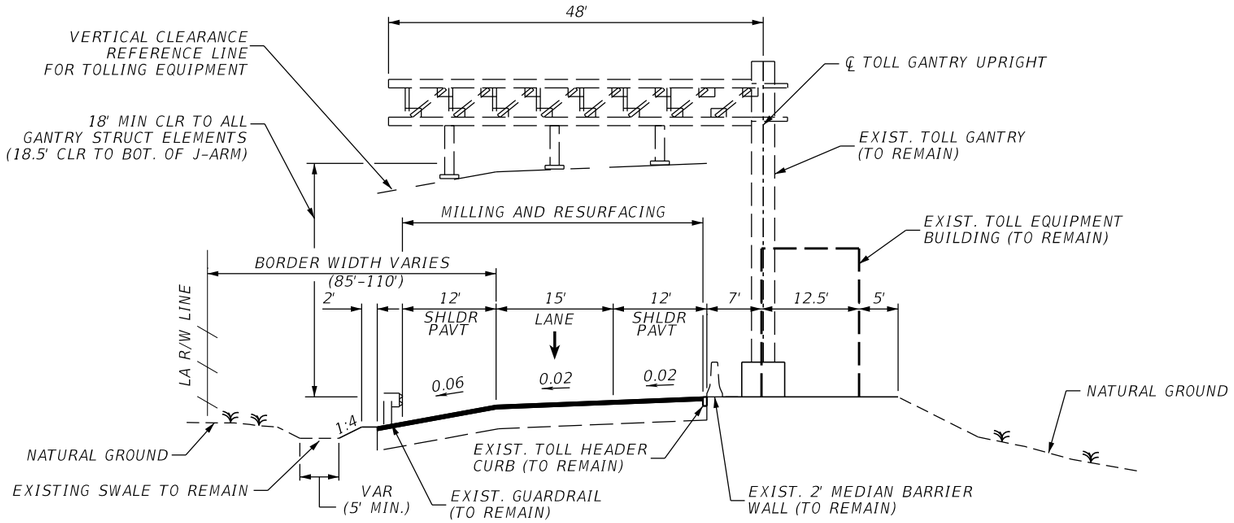
(X) NEW CONSTRUCTION / RECONSTRUCTION

( ) RESURFACING (LA FACILITIES)

( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 24



(SR 589) SUNCOAST PARKWAY

EXISTING SOUTHBOUND
OFF-RAMP AT RIDGE ROAD
TOLL SITE 9R
N.T.S

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	26

4/30/2026 4:01:23 PM

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PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
( )	N/A : L.A. FACILITY	(X)	NA : OFF-SYSTEM

FUNCTIONAL CLASSIFICATION

( )	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
(X)	MINOR ARTERIAL		

HIGHWAY SYSTEM

- ( ) NATIONAL HIGHWAY SYSTEM
- ( ) STRATEGIC INTERMODAL SYSTEM
- ( ) STATE HIGHWAY SYSTEM
- (X) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

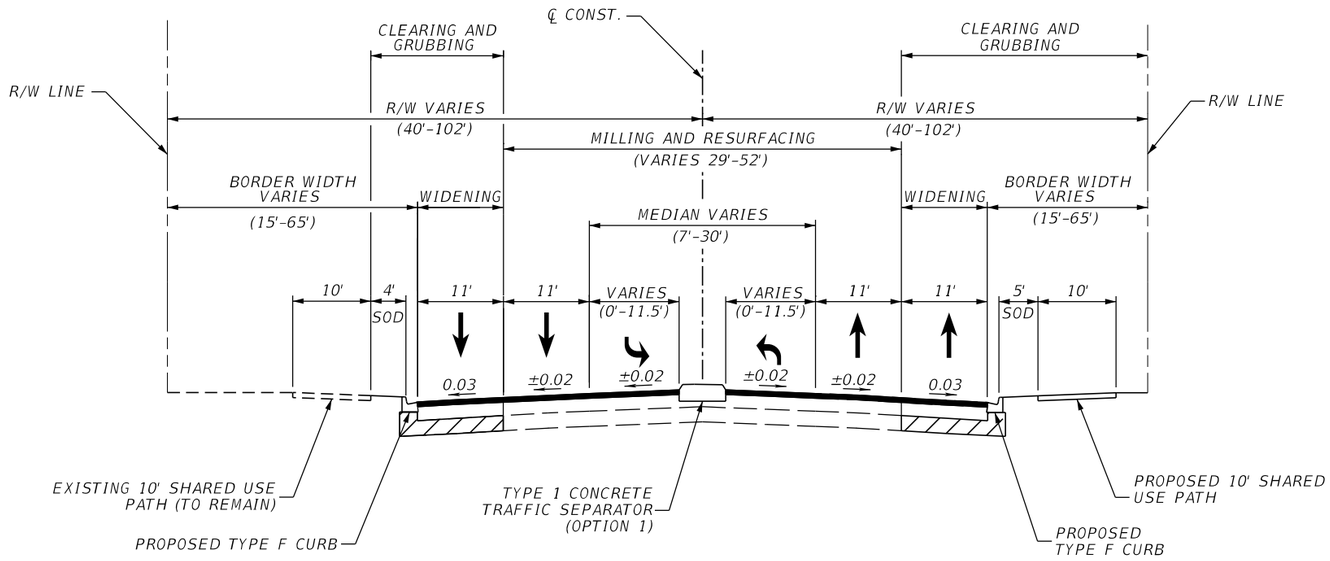
- ( ) 1 - FREEWAY
- ( ) 2 - RESTRICTIVE w/Service Roads
- ( ) 3 - RESTRICTIVE w/660 ft. Connection Spacing
- ( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
- ( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
- (X) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
- ( ) 7 - BOTH MEDIAN TYPES

CRITERIA

- (X) NEW CONSTRUCTION / RECONSTRUCTION
- ( ) RESURFACING (LA FACILITIES)
- (X) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 25



(CR-685A) VAN DYKE ROAD

MP 1.249 TO MP 2.100

N.T.S

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 59000
ESTIMATED OPENING YEAR = 2030 AADT = 59104
ESTIMATED DESIGN YEAR = 2050 AADT = 59400
K = 9% D = 51% T = 6.7% (24 HOUR)
DESIGN HOUR T = 3.3%
DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	27

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4/30/2026 3:59:12 PM

PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
( )	N/A : L.A. FACILITY	(X)	NA: OFF-SYSTEM

FUNCTIONAL CLASSIFICATION

( )	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
(X)	MINOR ARTERIAL		

HIGHWAY SYSTEM

- ( ) NATIONAL HIGHWAY SYSTEM
- ( ) STRATEGIC INTERMODAL SYSTEM
- ( ) STATE HIGHWAY SYSTEM
- (X) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

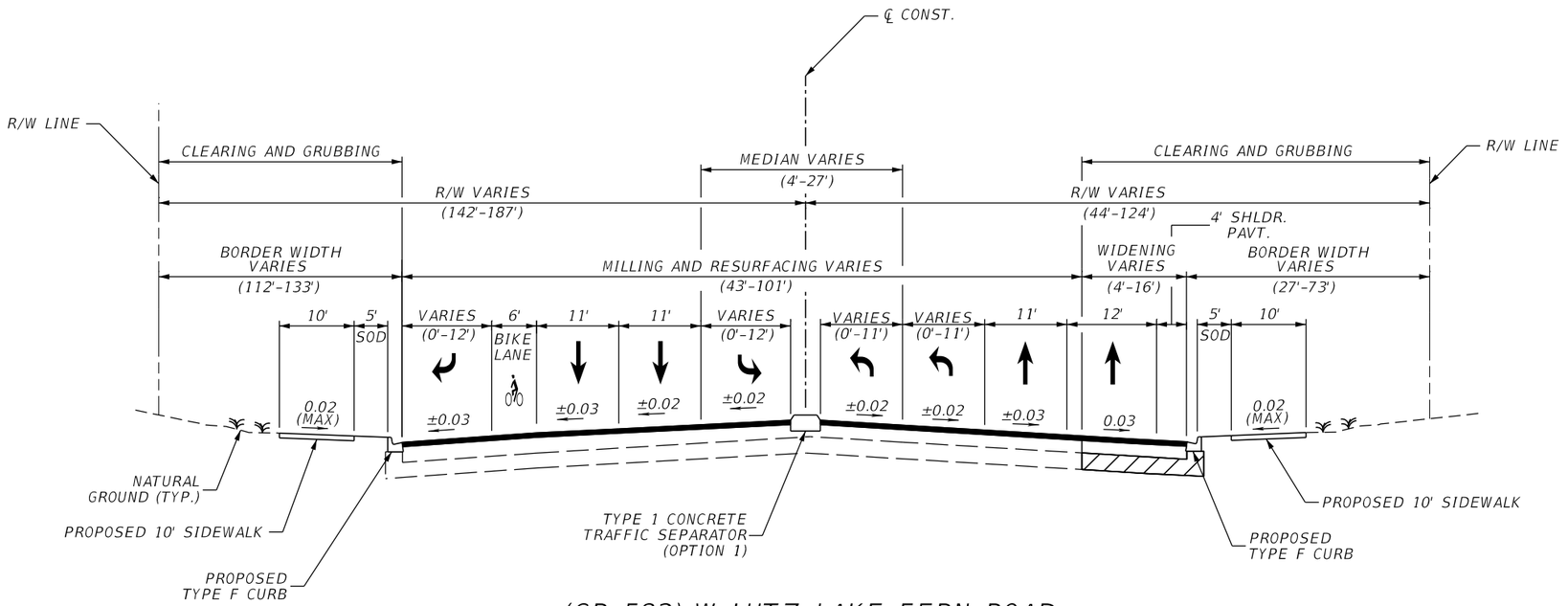
- ( ) 1 - FREEWAY
- ( ) 2 - RESTRICTIVE w/Service Roads
- ( ) 3 - RESTRICTIVE w/660 ft. Connection Spacing
- ( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
- ( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
- (X) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
- ( ) 7 - BOTH MEDIAN TYPES

CRITERIA

- (X) NEW CONSTRUCTION / RECONSTRUCTION
- ( ) RESURFACING (LA FACILITIES)
- (X) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 26



(CR-582) W LUTZ LAKE FERN ROAD

MP 7.225 TO MP 8.190

N.T.S

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 53000
ESTIMATED OPENING YEAR = 2030 AADT = 53519
ESTIMATED DESIGN YEAR = 2050 AADT = 55000
K = 9% D = 55.5% T = 5.9% (24 HOUR)
DESIGN HOUR T = 2.9%
DESIGN SPEED = 50 MPH
POSTED SPEED = 45 MPH

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	28

4/30/2026 3:59:10 PM

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PROJECT CONTROLS

CONTEXT CLASSIFICATION

( ) C1 : NATURAL
( ) C2 : RURAL
( ) C2T : RURAL TOWN
( ) C3R : SUBURBAN RES.
(X) C3C : SUBURBAN COMM.
( ) C4 : URBAN GENERAL
( ) C5 : URBAN CENTER
( ) C6 : URBAN CORE
( ) N/A : L.A. FACILITY

FUNCTIONAL CLASSIFICATION

( ) INTERSTATE
( ) FREEWAY/EXPWY.
(X) PRINCIPAL ARTERIAL
( ) MINOR ARTERIAL
( ) MAJOR COLLECTOR
( ) MINOR COLLECTOR
( ) LOCAL

HIGHWAY SYSTEM

( ) NATIONAL HIGHWAY SYSTEM
( ) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
( ) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

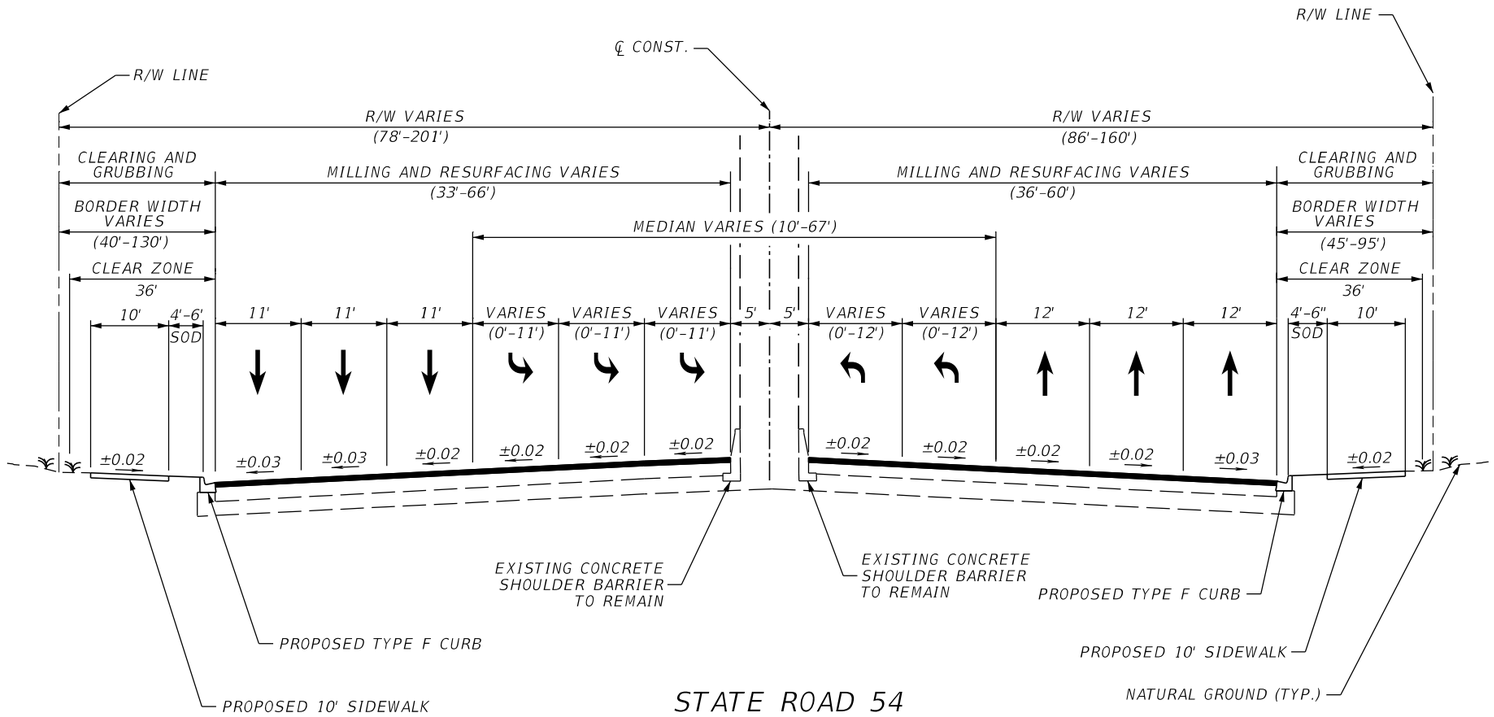
( ) 1 - FREEWAY
( ) 2 - RESTRICTIVE w/Service Roads
(X) 3 - RESTRICTIVE w/660 ft. Connection Spacing
( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
( ) RESURFACING (LA FACILITIES)
(X) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 27



STATE ROAD 54

MP 2.837 TO MP 3.520

N.T.S

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 91200
ESTIMATED OPENING YEAR = 2030 AADT = 90370
ESTIMATED DESIGN YEAR = 2050 AADT = 88000
K = 9% D = 51% T = 8.5% (24 HOUR)
DESIGN HOUR T = 4.3%
DESIGN SPEED = 60 MPH
POSTED SPEED = 45 MPH

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	29

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4/30/2026 3:59:10 PM

PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
( )	N/A : L.A. FACILITY	(X)	N/A : OFF-SYSTEM

FUNCTIONAL CLASSIFICATION

( )	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
(X)	MINOR ARTERIAL		

HIGHWAY SYSTEM

( ) NATIONAL HIGHWAY SYSTEM
( ) STRATEGIC INTERMODAL SYSTEM
( ) STATE HIGHWAY SYSTEM
(X) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

( ) 1 - FREEWAY
( ) 2 - RESTRICTIVE w/Service Roads
(X) 3 - RESTRICTIVE w/660 ft. Connection Spacing
( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

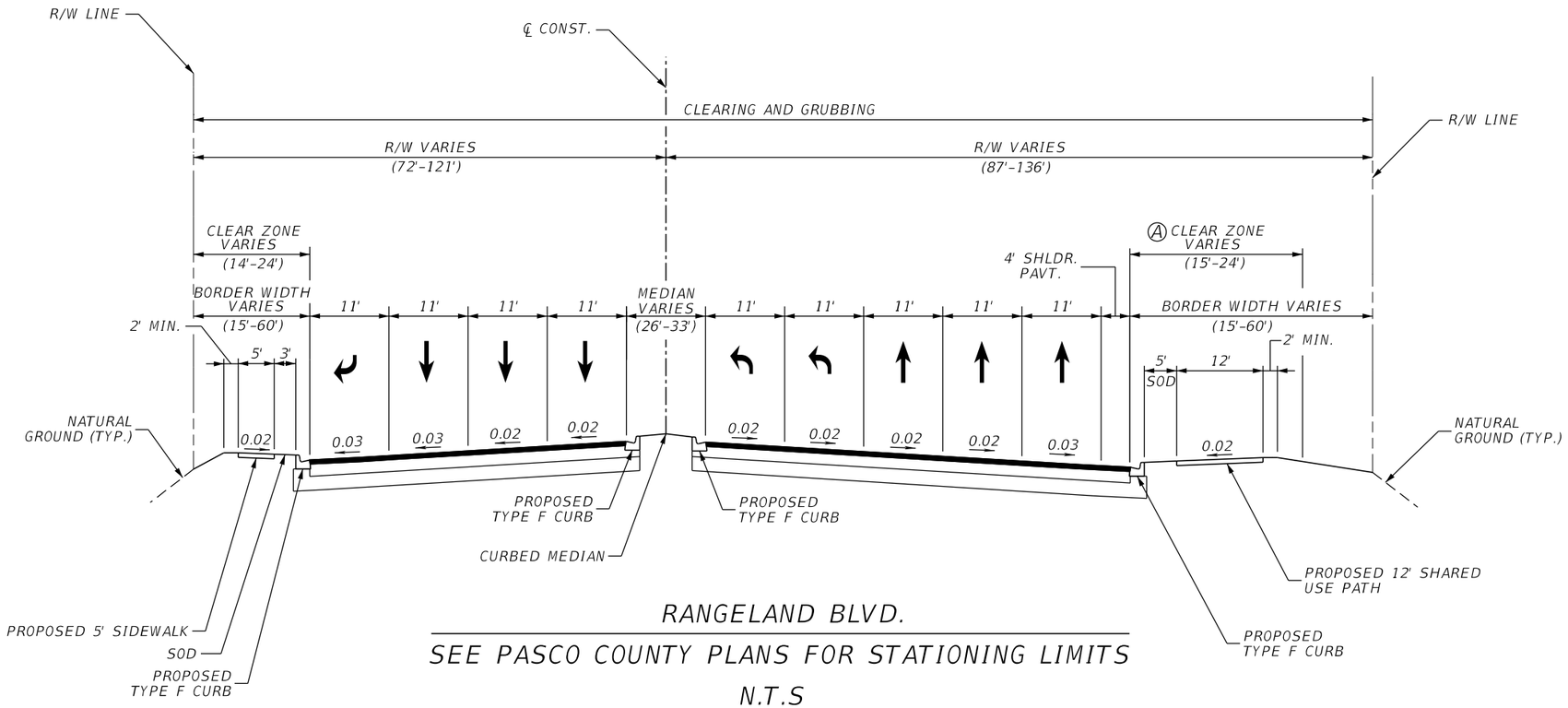
CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
( ) RESURFACING (LA FACILITIES)
( ) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

DESIGN VARIATION MEMORANDUM
Ⓐ CLEAR ZONE

TYPICAL SECTION No. 28



RANGELAND BLVD.

SEE PASCO COUNTY PLANS FOR STATIONING LIMITS

N.T.S

TRAFFIC DATA

CURRENT YEAR = 2023 AADT =
ESTIMATED OPENING YEAR = 2030 AADT =
ESTIMATED DESIGN YEAR = 2050 AADT = 82400
K = 9% D = 54.5% T = 10% (24 HOUR)
DESIGN HOUR T = 5%
DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	30

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
( )	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
( )	N/A : L.A. FACILITY	(X)	N/A : OFF-SYSTEM

FUNCTIONAL CLASSIFICATION

( )	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
( )	PRINCIPAL ARTERIAL	( )	LOCAL
(X)	MINOR ARTERIAL		

HIGHWAY SYSTEM

- ( ) NATIONAL HIGHWAY SYSTEM
- ( ) STRATEGIC INTERMODAL SYSTEM
- ( ) STATE HIGHWAY SYSTEM
- (X) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

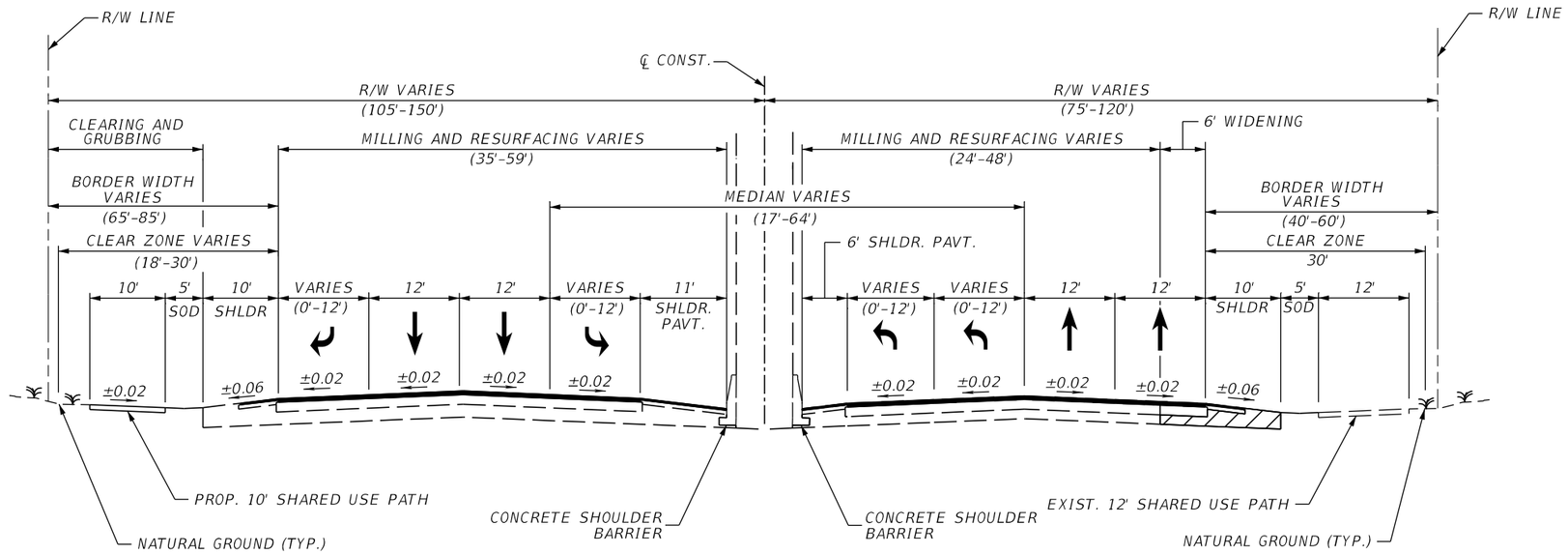
- ( ) 1 - FREEWAY
- ( ) 2 - RESTRICTIVE w/Service Roads
- (X) 3 - RESTRICTIVE w/660 ft. Connection Spacing
- ( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
- ( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
- ( ) 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
- ( ) 7 - BOTH MEDIAN TYPES

CRITERIA

- (X) NEW CONSTRUCTION / RECONSTRUCTION
- ( ) RESURFACING (LA FACILITIES)
- (X) RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 29



(CR-524) RIDGE ROAD

N.T.S

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 53400
ESTIMATED OPENING YEAR = 2030 AADT = 54074
ESTIMATED DESIGN YEAR = 2050 AADT = 56000
K = 9% D = 54.5% T = 6% (24 HOUR)
DESIGN HOUR T = 3%
DESIGN SPEED = 55 MPH
POSTED SPEED = 55 MPH

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	31

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PROJECT CONTROLS

CONTEXT CLASSIFICATION

( )	C1 : NATURAL	( )	C3C : SUBURBAN COMM.
(X)	C2 : RURAL	( )	C4 : URBAN GENERAL
( )	C2T : RURAL TOWN	( )	C5 : URBAN CENTER
( )	C3R : SUBURBAN RES.	( )	C6 : URBAN CORE
( )	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

( )	INTERSTATE	( )	MAJOR COLLECTOR
( )	FREEWAY/EXPWY.	( )	MINOR COLLECTOR
(X)	PRINCIPAL ARTERIAL	( )	LOCAL
( )	MINOR ARTERIAL		

HIGHWAY SYSTEM

( )	NATIONAL HIGHWAY SYSTEM
( )	STRATEGIC INTERMODAL SYSTEM
(X)	STATE HIGHWAY SYSTEM
( )	OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

( )	1 - FREEWAY
( )	2 - RESTRICTIVE w/Service Roads
(X)	3 - RESTRICTIVE w/660 ft. Connection Spacing
( )	4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( )	5 - RESTRICTIVE w/440 ft. Connection Spacing
( )	6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
( )	7 - BOTH MEDIAN TYPES

CRITERIA

( )	NEW CONSTRUCTION / RECONSTRUCTION
( )	RESURFACING (LA FACILITIES)
(X)	RRR (ARTERIALS & COLLECTORS)

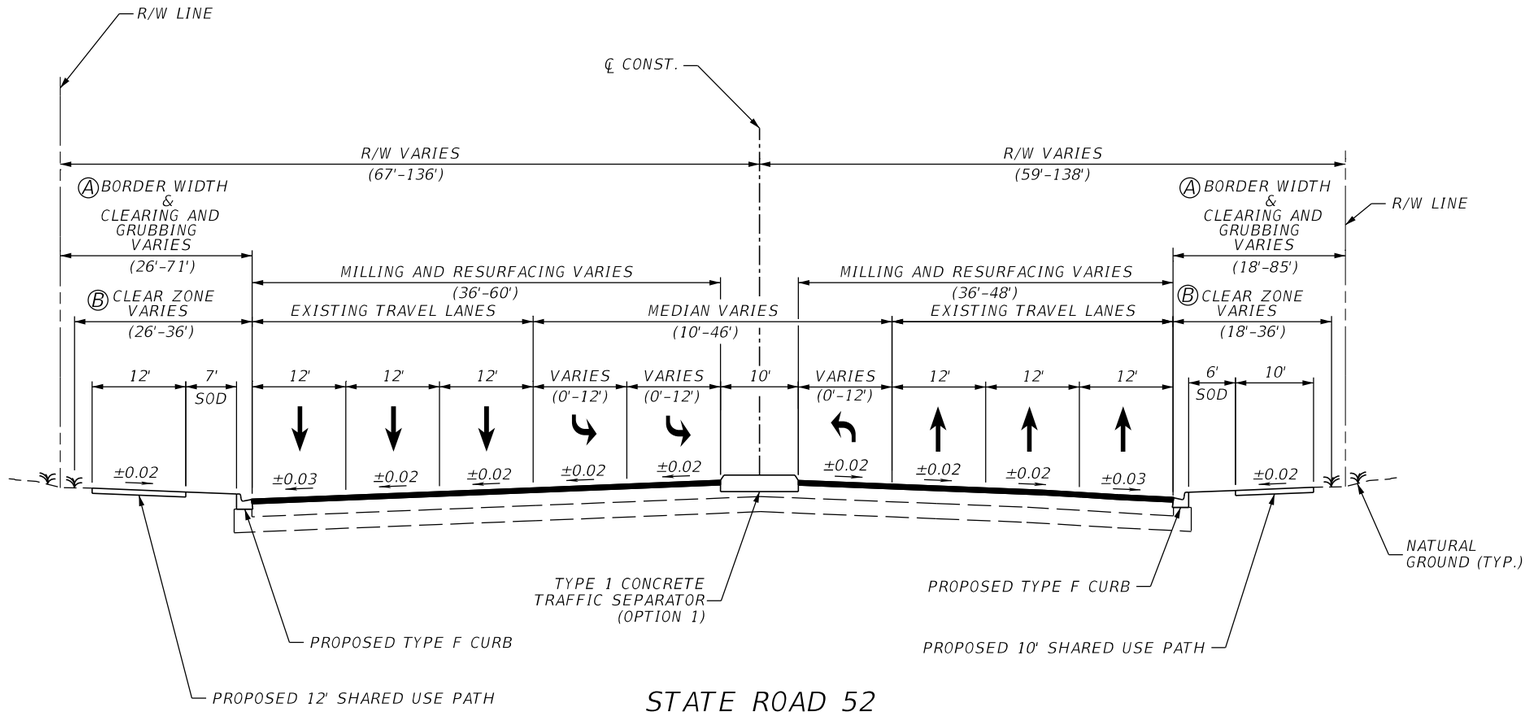
POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

DESIGN VARIATION MEMORANDUM

Ⓐ BORDER WIDTH

Ⓑ CLEAR ZONE

TYPICAL SECTION No. 30



STATE ROAD 52

MP 8.833 TO MP 9.672

N.T.S

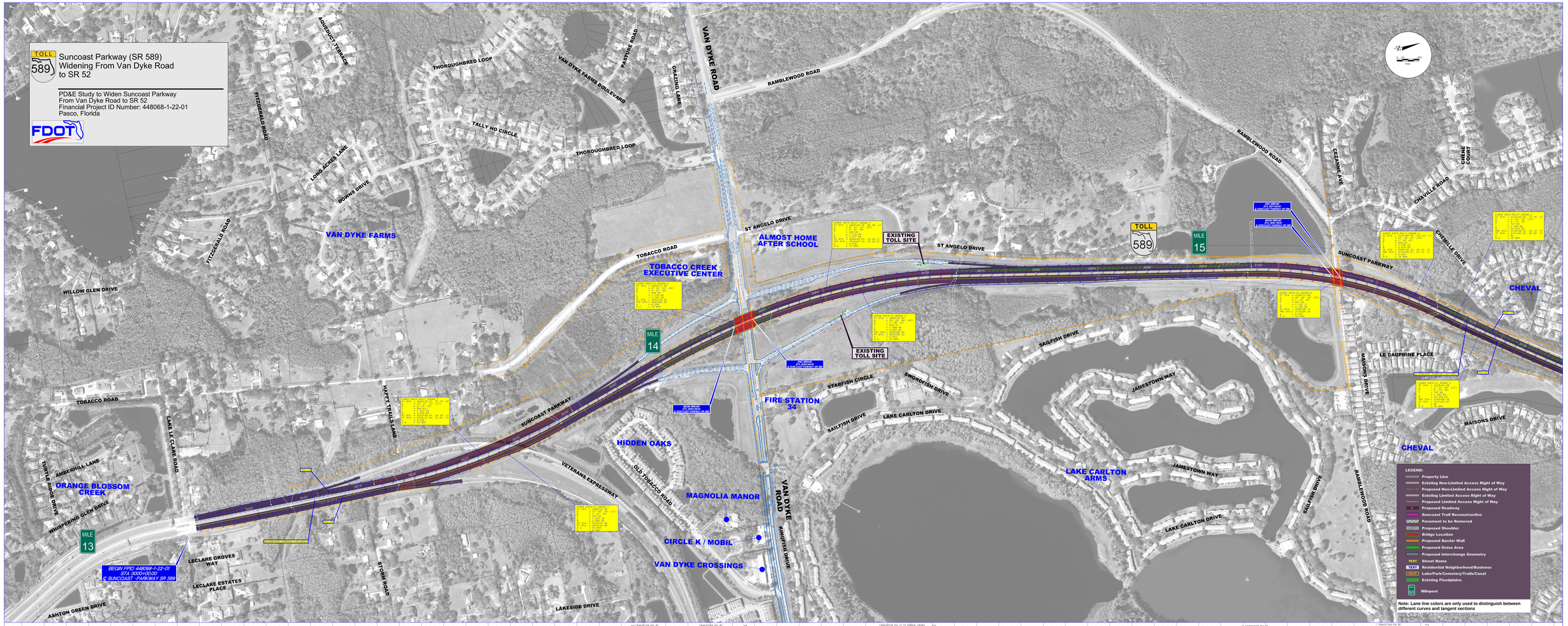
TRAFFIC DATA

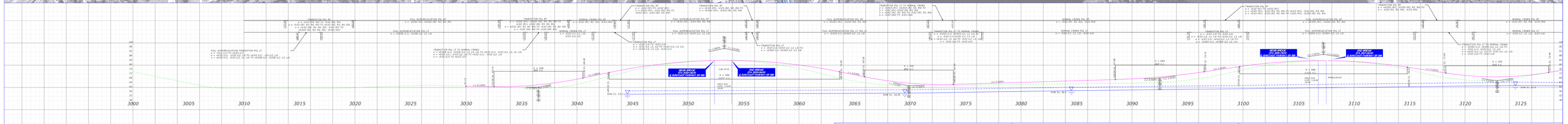
CURRENT YEAR = 2023 AADT = 76400
ESTIMATED OPENING YEAR = 2030 AADT = 78059
ESTIMATED DESIGN YEAR = 2050 AADT = 82800
K = 9% D = 53.5% T = 10.8% (24 HOUR)
DESIGN HOUR T = 5.39%
DESIGN SPEED = 60 MPH
POSTED SPEED = 45 MPH

FINANCIAL PROJECT ID	SHEET NO.
448068-1-22-01	32

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

APPENDIX C





SCALE
1" = 200' HORIZ
1" = 10' VERT

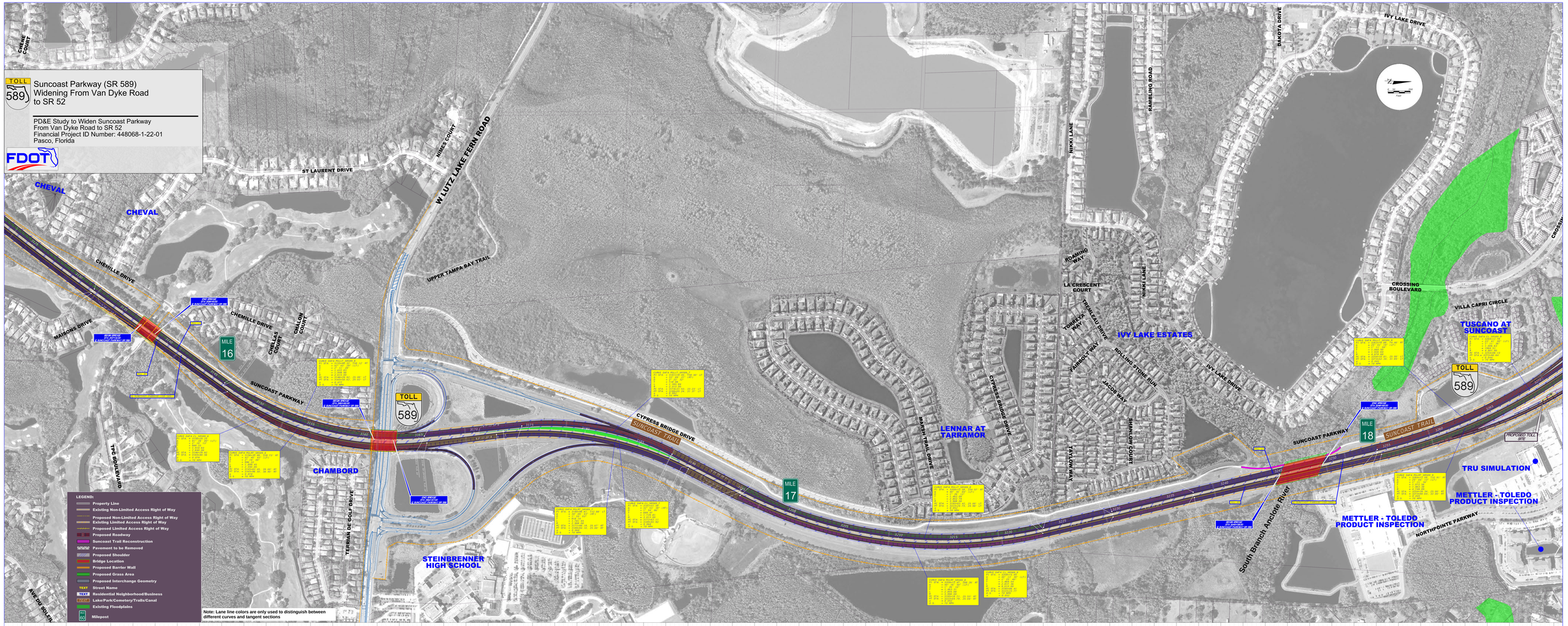
Kimley-Horn and Associates, Inc.
Registry No. 35106
Hooi Gin Ng, P.E.
P.E. License No. 58123
1920 Wekiva Way, Suite 200
West Palm Beach, Florida 33411

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
589	PASCO	448068-1-22-01

PLAN AND PROFILE

SHEET NO. 1



Kimley-Horn and Associates, Inc.
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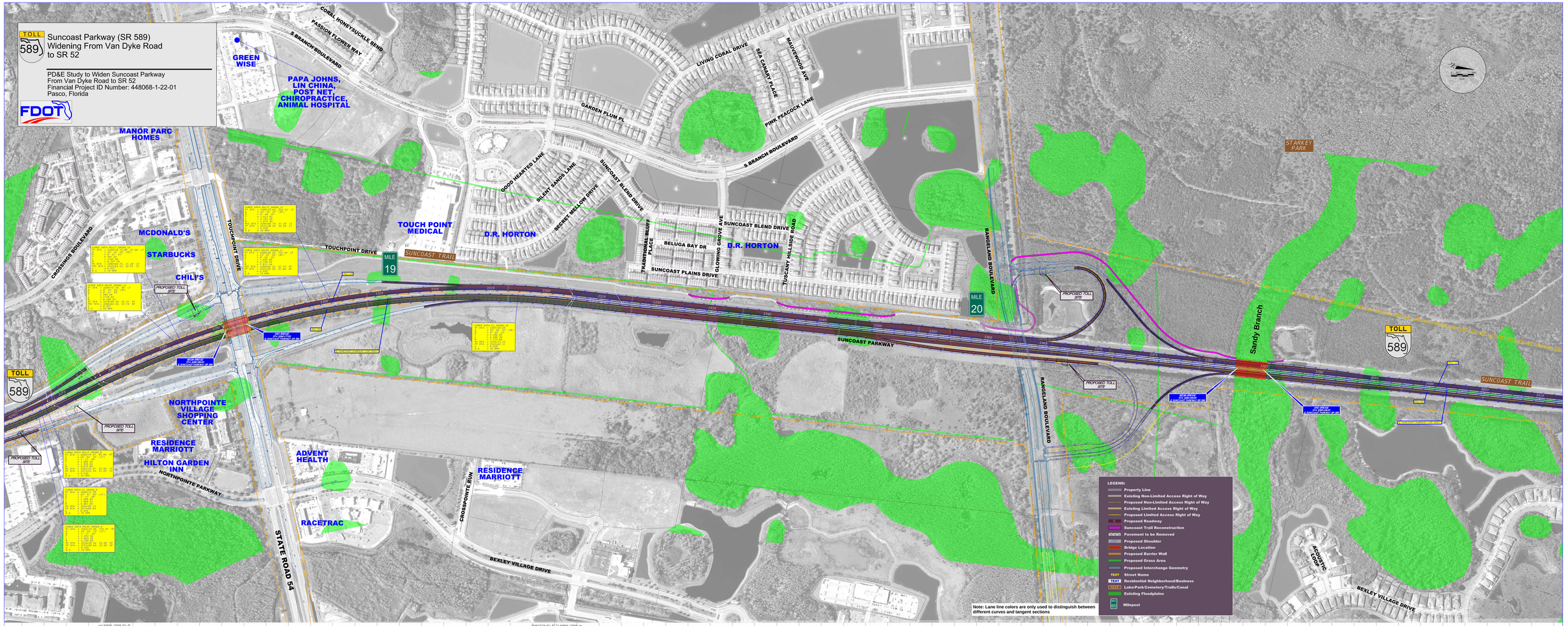
West Palm Beach, Florida 33411

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
589	PASCO	448068-1-22-01

PLAN AND PROFILE

SHEET NO. 2



Kimley-Horn and Associates, Inc.
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1920 Wekiva Way, Suite 200
West Palm Beach, Florida 33411

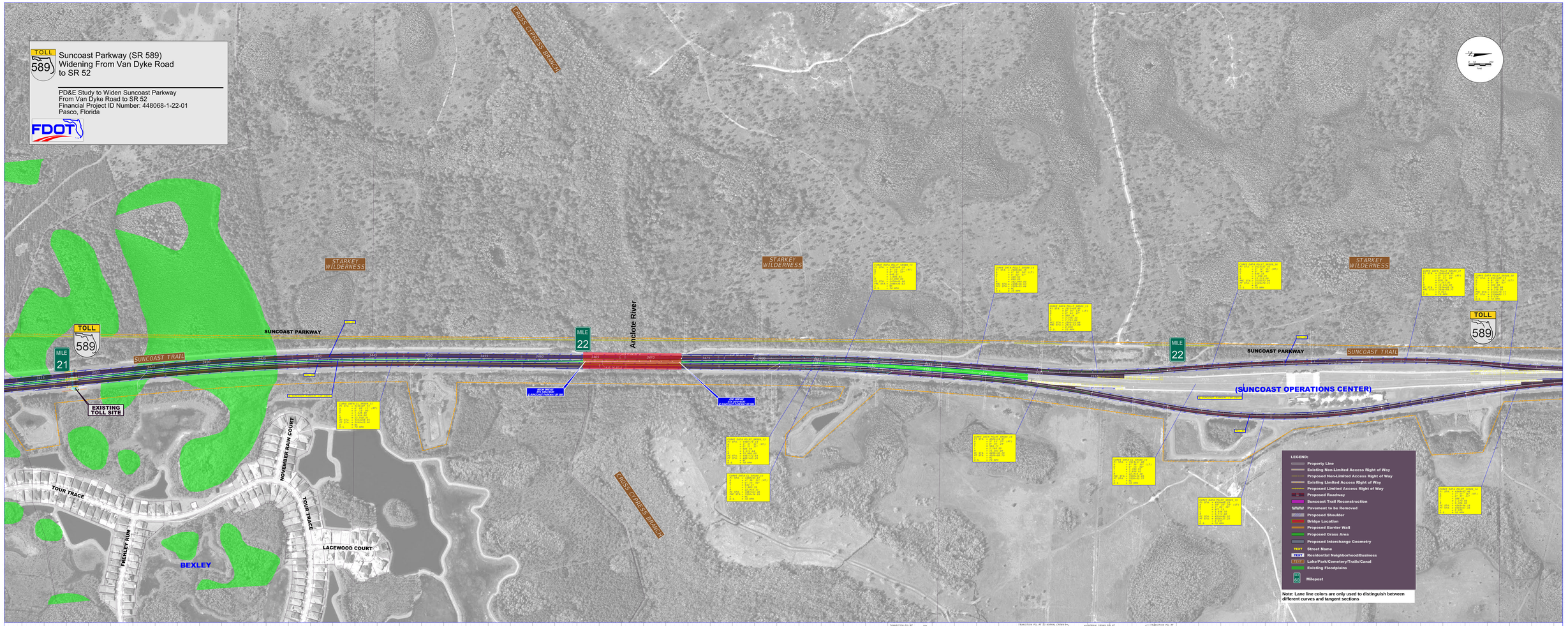
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
589	PASCO	448068-1-22-01

PLAN AND PROFILE

SHEET NO. 3

SCALE
1" = 200' HORIZ
1" = 10' VERT



Kimley-Horn and Associates, Inc.
Registry No. 35106
Hooi Gin Ng, P.E.
P.E. License No. 58123
1920 Wekiva Way, Suite 200
West Palm Beach, Florida 33411

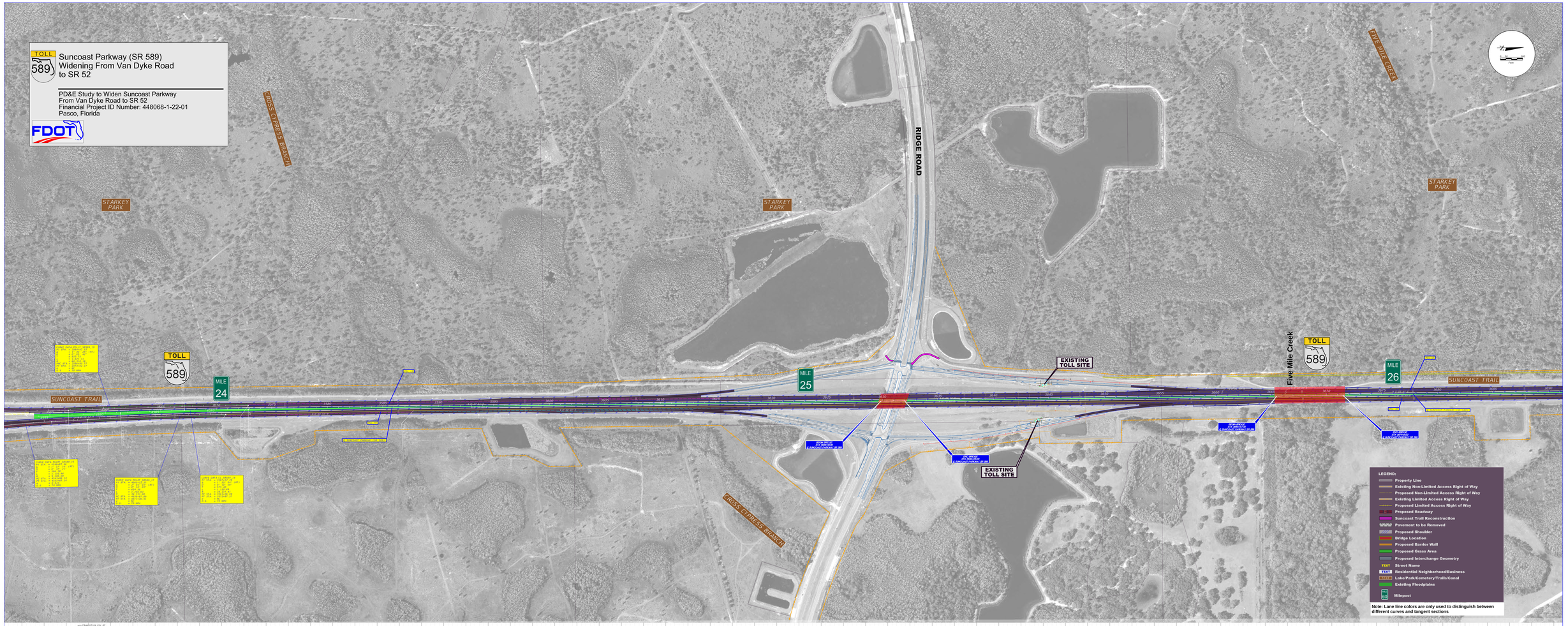
SCALE:
1" = 200' HORIZ
1" = 10' VERT

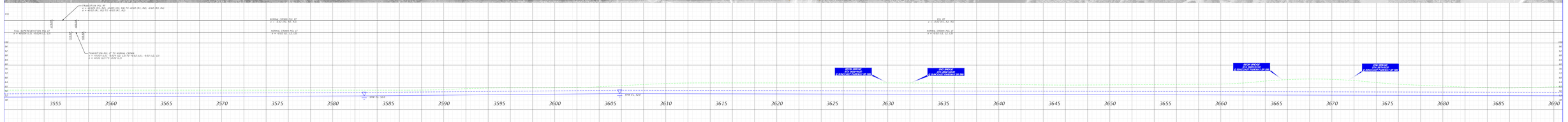
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
589	PASCO	448068-1-22-01

PLAN AND PROFILE

SHEET NO. 4





SCALE:
H = 200' HORIZ
V = 10' VERT

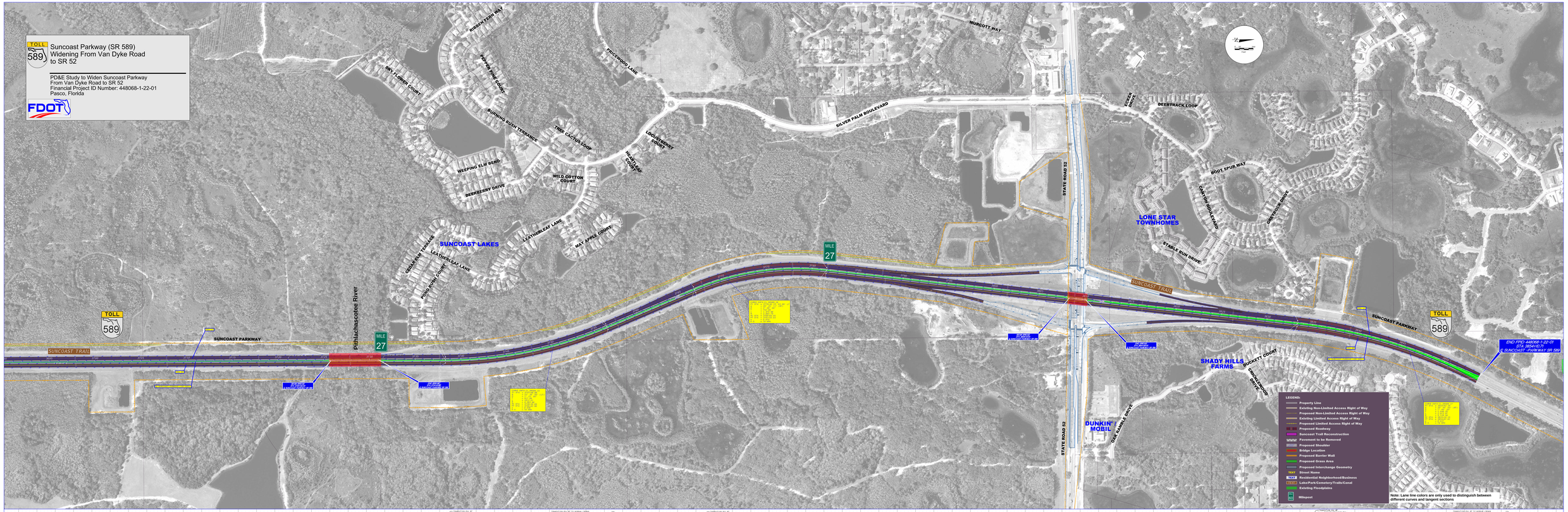
Kimley-Horn and Associates, Inc.
Registry No. 35106
Hooi Gin Ng, P.E.
P.E. License No. 58123
1920 Wekiva Way, Suite 200
West Palm Beach, Florida 33411

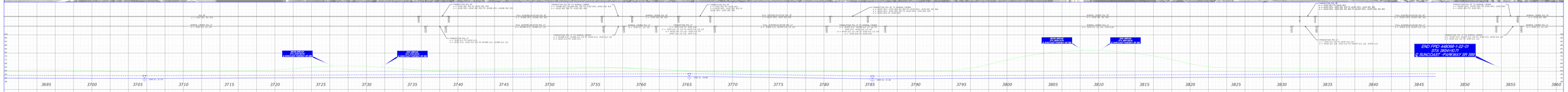
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
589	PASCO	448068-1-22-01

PLAN AND PROFILE

SHEET NO. 5





Kimley-Horn and Associates, Inc.
Registry No. 35106
Hooi Gin Ng, P.E.
P.E. License No. 58123
1920 Wekiva Way, Suite 200
West Palm Beach, Florida 33411

SCALE:
1" = 200' (HORIZ)
1" = 20' (VERT)

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
589	PASCO	448068-1-22-01

PLAN AND PROFILE

SHEET NO. 6

APPENDIX D

Date: 2/12/2025 9:05:38 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 448068-1-22-01 **Letting Date:** 01/2099

Description: PD&E WIDEN SUNCOAST PKWY(SR589) - S OF VAN DYKE RD TO SR52 (MP13-29)

District: 08 **County:** 97 TURNPIKE **Market Area:** 99 **Units:** English
Contract Class: 3 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 15.979 MI

Project Manager: SHARMA

Version 21 Project Grand Total **$192,535,285.75**
Description: South of Van Dyke Rd to Lutz Lake (4 TO 8 LANES 3000+00 - 3165+00)

Sequence: 1 NDR - New Construction, Divided, Rural **Net Length:** 2.557 MI 13,500 LF

Description: Reconstruction (3030+00 - 3165+00)
Special Conditions: Aux lanes covered in a separate sequence Lighting covered in this sequence

---

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	115.00 / 105.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	2.557
Top of Structural Course For Begin Section	106.00
Top of Structural Course For End Section	106.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	6.00 % / 6.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	68.19 AC	$69,069.09	$4,709,821.25
120-6	EMBANKMENT	382,087.17 CY	$24.75	$9,456,657.46
	Earthwork Component Total			$14,166,478.71

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	8
Roadway Pavement Width L/R	48.00 / 48.00
Structural Spread Rate	330
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	215,998.46	SY	$21.28	$4,596,447.23
285-709	OPTIONAL BASE,BASE GROUP 09	145,978.96	SY	$58.67	$8,564,585.58
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	23,759.83	TN	$188.86	$4,487,281.49
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	5,759.96	TN	$247.36	$1,424,783.71

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
102-2-200	SPECIAL DETOUR- TEMPORARY PAVEMENT	252,125.00	SY	$34.59	$8,721,003.75
	Comment: Quantity from original LRE - adjusted for mileage.				
285-701	OPTIONAL BASE,BASE GROUP 01	10,628.00	SY	$27.77	$295,139.56
	Comment: For trail				
334-1-12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	1,062.80	TN	$186.77	$198,499.16
	Comment: For trail				

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	1
Skip Stripe No. of Stripes	6

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	2,416.00	EA	$4.96	$11,983.36
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	10.23	GM	$1,448.71	$14,820.30
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	15.34	GM	$598.83	$9,186.05
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	10.23	GM	$6,541.58	$66,920.36
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	15.34	GM	$2,228.46	$34,184.58

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	176.53	TN	$268.77	$47,445.97
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	5,296.00	LF	$29.57	$156,602.72

544-3-2	CRASH CUSHION, TL-3, WIDE	2.00	EA	$44,529.70	$89,059.40

Roadway Component Total $28,717,943.22

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	12.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	12.00 / 12.00
Structural Spread Rate	275
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	O
Rumble Strips ï¿½No. of Sides	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	36,989.74	SY	$42.51	$1,572,433.85
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	4,949.96	TN	$188.86	$934,849.45
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	79.20	TN	$247.36	$19,590.91
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	5.11	GM	$2,141.34	$10,942.25

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-24	SHLDR CONC BAR WALL, 8' NOISE WALL	7,753.00	LF	$634.23	$4,917,185.19
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	3,369.00	LF	$365.80	$1,232,380.20

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	35,099.75	LF	$3.32	$116,531.17
104-11	FLOATING TURBIDITY BARRIER	639.20	LF	$15.96	$10,201.63
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	639.20	LF	$19.18	$12,259.86
104-15	SOIL TRACKING PREVENTION DEVICE	3.00	EA	$4,709.30	$14,127.90
104-18	INLET PROTECTION SYSTEM	16.00	EA	$192.13	$3,074.08
107-1	LITTER REMOVAL	61.98	AC	$57.63	$3,571.91
107-2	MOWING	61.98	AC	$54.82	$3,397.74

Shoulder Component Total $8,850,546.14

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	26.00
Performance Turf Width	0.00
Total Median Shoulder Width L/R	12.00 / 12.00
Paved Median Shoulder Width L/R	12.00 / 12.00

Structural Spread Rate	275
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	O
Rumble Strips ï¿½No. of Sides	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	36,989.74	SY	$42.51	$1,572,433.85
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	4,949.96	TN	$188.86	$934,849.45
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	79.20	TN	$247.36	$19,590.91
521-1-11	MEDIAN CONC BARRIER, 38" HEIGHT	13,500.00	LF	$232.40	$3,137,400.00
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	5.00	GM	$2,141.34	$10,706.70
	Median Component Total				$5,674,980.91

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-551	INLETS, DT BOT, TYPE E, <10'	16.00	EA	$9,622.55	$153,960.80
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	2,048.00	LF	$278.89	$571,166.72
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	880.00	LF	$228.01	$200,648.80
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	760.00	LF	$310.89	$236,276.40
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	103.00	EA	$3,624.19	$373,291.57
524-1-1	CONCRETE DITCH PAVT, NR, 3"	5,113.60	SY	$113.15	$578,603.84
570-1-1	PERFORMANCE TURF	1,799.99	SY	$6.88	$12,383.93

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-790	INLETS, MED BARRIER, TYPE 2, <=10'	33.00	EA	$7,844.44	$258,866.52
	Comment: captures median drainage 16,500/500' = 33 inlets unit price used from state wide unit cost ($7,844.44)				

Retention Basin 1

Description	Value
Size	.5 AC
Multiplier	1
Depth	6.00
Description	Expand exist pond

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.50	AC	$27,000.00	$13,500.00
120-1	REGULAR EXCAVATION	4,840.00	CY	$104.30	$504,812.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	$11,392.37	$11,392.37
425-2-71	MANHOLES, J-7, <10'	1.00	EA	$12,151.00	$12,151.00

430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00	LF	$654.39	$36,645.84
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	200.00	LF	$612.49	$122,498.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	600.00	LF	$81.27	$48,762.00
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	1.00	EA	$5,256.99	$5,256.99
570-1-1	PERFORMANCE TURF	2,420.00	SY	$18.06	$43,705.20
	Drainage Component Total				$3,183,921.98

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	6.00	EA	$543.45	$3,260.70
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	62.00	EA	$1,918.21	$118,929.02
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	6.00	EA	$8,985.18	$53,911.08
700-2-115	MULTI- COLUMN SIGN, F&I GM, 50.1-100 SF	16.00	EA	$10,791.99	$172,671.84

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-2-116	MULTI- COLUMN SIGN, F&I GM, 100.1-200 SF	1.00	EA	$17,590.91	$17,590.91
700-3-206	SIGN PANEL, F&I OM, 101-200 SF	6.00	EA	$10,172.19	$61,033.14
700-4-114	OH STATIC SIGN STR, F&I, C 41-50 FT	5.00	EA	$182,265.02	$911,325.10
700-4-126	OH STATIC SIGN STR, F&I, S 101-150 FT	1.00	EA	$350,000.00	$350,000.00
	Signing Component Total				$1,688,721.79

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

Description of Work

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
ITS	ITS	1.00	LS	$1,278,000.00	$1,278,000.00
	Comment: Matched original LREs - assumes $500,000/mile				
	Intelligent Traffic System (ITS) Component Total				$1,278,000.00

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	138

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	27,600.00	LF	$24.85	$685,860.00

635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	138.00	EA	$1,708.32	$235,748.16
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	82,800.00	LF	$6.55	$542,340.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	138.00	EA	$16,000.00	$2,208,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	138.00	EA	$1,175.12	$162,166.56
	Subcomponent Total				$3,834,114.72
	Lighting Component Total				$3,834,114.72

BRIDGES COMPONENT

Bridge NB2.3

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	154.88
Width (LF)	38.00
Type	Overpass Widening
Cost Factor	1.00
Structure No.	100626
Removal of Existing Structures area	1,084.00
Default Cost per SF	$140.00
Factored Cost per SF	$140.00
Final Cost per SF	**$166.66**
Basic Bridge Cost	**$823,961.60**
Description	NB OVER VAN DYKE ROAD - INSIDE AND OUTSIDE WIDENING

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	1,084.00	SF	$118.07	$127,987.88
400-2-10	CONC CLASS II, APPROACH SLABS	84.44	CY	$1,590.18	$134,274.80
415-1-9	REINF STEEL- APPROACH SLABS	14,777.00	LB	$1.53	$22,608.81
	Bridge NB2.3 Total				$1,108,833.09

Bridge SB2.3

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	154.88
Width (LF)	38.00
Type	Overpass Widening
Cost Factor	1.00
Structure No.	100627
Removal of Existing Structures area	1,084.00
Default Cost per SF	$140.00
Factored Cost per SF	$140.00
Final Cost per SF	**$166.66**
Basic Bridge Cost	**$823,961.60**
Description	SB OVER VAN DYKE ROAD - INSIDE AND OUTSIDE WIDENING

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	1,084.00	SF	$118.07	$127,987.88
400-2-10	CONC CLASS II, APPROACH SLABS	84.44	CY	$1,590.18	$134,274.80
415-1-9	REINF STEEL- APPROACH SLABS	14,777.00	LB	$1.53	$22,608.81
	Bridge SB2.3 Total				$1,108,833.09

Bridge NB2.4

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	72.46
Width (LF)	38.00
Type	Overpass Widening
Cost Factor	1.00
Structure No.	100628
Removal of Existing Structures area	461.00
Default Cost per SF	$140.00
Factored Cost per SF	$140.00
Final Cost per SF	**$196.98**
Basic Bridge Cost	**$385,487.20**
Description	NB OVER RAMBLEWOOD RD - INSIDE AND OUTSIDE WIDENING

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	461.00	SF	$118.07	$54,430.27
400-2-10	CONC CLASS II, APPROACH SLABS	84.44	CY	$1,590.18	$134,274.80
415-1-9	REINF STEEL- APPROACH SLABS	14,777.00	LB	$1.53	$22,608.81
	Bridge NB2.4 Total				$596,801.08

Bridge SB2.4

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	72.46
Width (LF)	36.00
Type	Overpass Widening
Cost Factor	1.00
Structure No.	100629
Removal of Existing Structures area	435.00
Default Cost per SF	$140.00
Factored Cost per SF	$140.00
Final Cost per SF	**$196.98**
Basic Bridge Cost	**$365,198.40**
Description	SB OVER RAMBLEWOOD RD - INSIDE AND OUTSIDE WIDENING

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount

110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	435.00 SF	$118.07	$51,360.45
400-2-10	CONC CLASS II, APPROACH SLABS	80.00 CY	$1,590.18	$127,214.40
415-1-9	REINF STEEL- APPROACH SLABS	14,000.00 LB	$1.53	$21,420.00
	Bridge SB2.4 Total			$565,193.25

Bridge 2.5

Description	**Value**
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	210.00
Width (LF)	153.00
Type	Overpass Bridge
Cost Factor	1.00
Structure No.	
Removal of Existing Structures area	10,994.00
Default Cost per SF	$135.00
Factored Cost per SF	$135.00
Final Cost per SF	**$154.66**
Basic Bridge Cost	**$4,337,550.00**
Description	REPLACEMENT BRIDGE OVER TPC BLVD

Bridge Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	10,994.00 SF	$118.07	$1,298,061.58
400-2-10	CONC CLASS II, APPROACH SLABS	340.00 CY	$1,590.18	$540,661.20
415-1-9	REINF STEEL- APPROACH SLABS	59,500.00 LB	$1.53	$91,035.00
	Bridge 2.5 Total			$6,267,307.78

Bridge 2.6

Description	**Value**
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	235.00
Width (LF)	191.00
Type	Overpass Bridge
Cost Factor	1.00
Structure No.	
Removal of Existing Structures area	9,726.00
Default Cost per SF	$135.00
Factored Cost per SF	$135.00
Final Cost per SF	**$152.57**
Basic Bridge Cost	**$6,059,475.00**
Description	REPLACEMENT BRIDGE OVER LUTZ LAKE FERN ROAD

Bridge Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	9,726.00 SF	$118.07	$1,148,348.82
400-2-10	CONC CLASS II, APPROACH SLABS	424.44 CY	$1,590.18	$674,936.00

415-1-9	REINF STEEL- APPROACH SLABS	74,277.00	LB	$1.53	$113,643.81
	Bridge 2.6 Total				$7,996,403.63
	Bridges Component Total				$17,643,371.92

RETAINING WALLS COMPONENT

Retaining Wall 3

Description	Value
Length	1,173.00
Begin height	15.00
End Height	15.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	17,595.00	SF	$56.90	$1,001,155.50

Retaining Wall 5

Description	Value
Length	1,262.00
Begin height	15.00
End Height	15.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	18,930.00	SF	$56.90	$1,077,117.00

Retaining Wall 7

Description	Value
Length	2,953.00
Begin height	6.00
End Height	6.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	17,718.00	SF	$56.90	$1,008,154.20

Retaining Wall 8

Description	Value
Length	2,871.00
Begin height	6.00
End Height	6.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	17,226.00	SF	$56.90	$980,159.40

Retaining Wall 9

Description	Value
Length	2,227.00
Begin height	10.00
End Height	10.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	22,270.00	SF	$56.90	$1,267,163.00

Retaining Wall 10

Description	Value
Length	2,123.00
Begin height	10.00
End Height	10.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	21,230.00	SF	$56.90	$1,207,987.00

Retaining Wall 15

Description	Value
Length	1,485.00
Begin height	15.00
End Height	6.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	15,592.50	SF	$56.90	$887,213.25
	Retaining Walls Component Total				$7,428,949.35

Sequence 1 Total $92,467,028.74

Sequence: 2 NUR - New Construction, Undivided, Rural **Net Length:** 2.062 MI 10,885 LF

Description: Aux lanes from begin project 3000+00 to 3165+00

Special Conditions: Clearing and grubbing, shoulder pavement, erosion control, solid stripe, drainage, and lighting quantities is covered under roadway.

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	0.00 / 0.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	2.062
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
120-6	EMBANKMENT	79,969.68	CY	$24.75	$1,979,249.58
	Earthwork Component Total				$1,979,249.58

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	275
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	18,142.08	SY	$21.28	$386,063.46
285-709	OPTIONAL BASE,BASE GROUP 09	18,940.33	SY	$58.67	$1,111,229.16
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	2,494.54	TN	$188.86	$471,118.82
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	1,496.72	TN	$206.53	$309,117.58

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	0
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	278.00	EA	$4.96	$1,378.88
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	4.12	GM	$693.74	$2,858.21
	Roadway Component Total				$2,281,766.11
Sequence 2 Total					$4,261,015.69

Sequence: 3 WDR - Widen/Resurface, Divided, Rural **Net Length:** 0.568 MI 3,000 LF

Description: M&R and Widening (3000+00 to 3030+00)

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	70.00 / 70.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.568
Top of Structural Course For Begin Section	101.00
Top of Structural Course For End Section	101.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	9.64	AC	$69,069.09	$665,826.03
	Earthwork Component Total				$665,826.03

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	6
Existing Roadway Pavement Width L/R	36.00 / 36.00
Structural Spread Rate	220
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	12.00 / 12.00
Widened Inside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	330
Widened Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	16,000.51	SY	$21.28	$340,490.85
285-709	OPTIONAL BASE,BASE GROUP 09	8,220.26	SY	$58.67	$482,282.65
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	24,000.77	SY	$7.52	$180,485.79
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	2,640.08	TN	$188.86	$498,605.51
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,320.04	TN	$188.86	$249,302.75
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	960.03	TN	$247.36	$237,473.02

337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	320.01	TN	$247.36	$79,157.67

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
709-11-131	TRAF STRIPE-2 RE COMP,STD,WHITE,SKIP,6"	2.27	GM	$422.97	$960.14
	Comment: Additional stripe for the 8 lane section. Program only allowed a six lane section				

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	384.00	EA	$4.96	$1,904.64
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	4.55	GM	$1,448.71	$6,591.63
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	4.55	GM	$598.83	$2,724.68

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	27.13	TN	$268.77	$7,291.73
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	814.00	LF	$29.57	$24,069.98
	Roadway Component Total				$2,111,341.04

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	12.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	12.00 / 12.00
Structural Spread Rate	275
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	8,220.26	SY	$42.51	$349,443.25
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,100.04	TN	$188.86	$207,753.55
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	320.01	TN	$247.36	$79,157.67
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	1.14	GM	$2,141.34	$2,441.13

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	1,596.00	LF	$365.80	$583,816.80

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	6,900.22	LF	$3.32	$22,908.73
104-11	FLOATING TURBIDITY BARRIER	56.82	LF	$15.96	$906.85
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	56.82	LF	$19.18	$1,089.81
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
107-1	LITTER REMOVAL	4.13	AC	$57.63	$238.01
107-2	MOWING	4.13	AC	$54.82	$226.41

Shoulder Component Total $1,252,691.51

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	26.00
Performance Turf Width	5.34
New Total Median Shoulder Width L/R	0.00 / 0.00
New Paved Median Shoulder Width L/R	0.00 / 0.00
Existing Total Median Shoulder Width L/R	12.00 / 12.00
Existing Paved Median Shoulder Width L/R	12.00 / 12.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	8,000.26	SY	$4.30	$34,401.12
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	440.01	TN	$188.86	$83,100.29
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	320.01	TN	$247.36	$79,157.67
521-1-11	MEDIAN CONC BARRIER, 38" HEIGHT	1,134.00	LF	$232.40	$263,541.60
570-1-1	PERFORMANCE TURF	1,780.06	SY	$6.88	$12,246.81

Median Component Total $472,447.49

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	456.00	LF	$278.89	$127,173.84
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	48.00	LF	$310.89	$14,922.72
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	23.00	EA	$3,624.19	$83,356.37
570-1-1	PERFORMANCE TURF	400.01	SY	$6.88	$2,752.07

Retention Basin 1

Description	Value
Size	.5 AC
Multiplier	1
Depth	6.00
Description	Expand exist pond

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.50	AC	$14,000.00	$7,000.00
120-1	REGULAR EXCAVATION	4,840.00	CY	$104.30	$504,812.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	$11,392.37	$11,392.37
425-2-71	MANHOLES, J-7, <10'	1.00	EA	$12,151.00	$12,151.00
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00	LF	$654.39	$36,645.84
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	200.00	LF	$612.49	$122,498.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	600.00	LF	$81.27	$48,762.00
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	1.00	EA	$5,256.99	$5,256.99
570-1-1	PERFORMANCE TURF	2,420.00	SY	$18.06	$43,705.20
	Drainage Component Total				$1,020,428.40

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	2.00	EA	$543.45	$1,086.90
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	14.00	EA	$1,918.21	$26,854.94
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	2.00	EA	$348.10	$696.20
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	14.00	EA	$58.36	$817.04
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	2.00	EA	$8,985.18	$17,970.36
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	2.00	EA	$1,238.78	$2,477.56

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount

700-3-294	SIGN PANEL, F&I OH,101-200SF W/L	3.00 EA	$14,610.88	$43,832.64
700-4-114	OH STATIC SIGN STR, F&I, C 41-50 FT	2.00 EA	$182,265.02	$364,530.04
700-4-126	OH STATIC SIGN STR, F&I, S 101-150 FT	1.00 EA	$350,000.00	$350,000.00
700-4-127	OH STATIC SIGN STR, F&I, S 151-200 FT	1.00 EA	$471,229.35	$471,229.35
	Signing Component Total			$1,279,495.03

RETAINING WALLS COMPONENT

Retaining Wall 15

Description	Value
Length	1,485.00
Begin height	10.00
End Height	10.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	14,850.00	SF	$56.90	$844,965.00
	Retaining Walls Component Total				$844,965.00

Sequence 3 Total $7,647,194.50

Sequence: 4 MIS - Miscellaneous Construction **Net Length:** 0.000 MI 0 LF

Description: ITS

MISCELLANEOUS COMPONENT

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
ITS	ITS, MOC, 4% OF SUBTOTAL	1.00	1	$5,053,393.00	$5,053,393.00
	Miscellaneous Component Total				$5,053,393.00

Sequence 4 Total $5,053,393.00

Sequence: 5 MIS - Miscellaneous Construction **Net Length:** 0.000 MI 0 LF

Description: Landscape

LANDSCAPING COMPONENT

User Input Data

Description	Value
Lump Sum	12,633,484.00
Cost %	0.00
Component Detail	N

Landscaping Component Total $12,633,484.00

Sequence 5 Total $12,633,484.00

Sequence: 6 MIS - Miscellaneous Construction **Net Length:** 0.000 MI 0 LF

Description: 25% Unknown

MISCELLANEOUS COMPONENT

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
25% UNKNOWN	FOR INFLATION	1.00	1	$36,933,988.00	$36,933,988.00
	Miscellaneous Component Total				$36,933,988.00

Sequence 6 Total $36,933,988.00

Date: 2/12/2025 9:05:39 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 448068-1-22-01 **Letting Date:** 01/2099

Description: PD&E WIDEN SUNCOAST PKWY(SR589) - S OF VAN DYKE RD TO SR52 (MP13-29)

District: 08 **County:** 97 TURNPIKE **Market Area:** 99 **Units:** English
Contract Class: 3 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 15.979 MI

Project Manager: SHARMA

Version 21 Project Grand Total **$192,535,285.75**
Description: South of Van Dyke Rd to Lutz Lake (4 TO 8 LANES 3000+00 - 3165+00)

Project Sequences Subtotal			**$158,996,103.93**
102-1	Maintenance of Traffic	10.00 %	$15,899,610.39
101-1	Mobilization	10.00 %	$17,489,571.43
Project Sequences Total			**$192,385,285.75**
Project Unknowns		0.00 %	$0.00
Design/Build		0.00 %	$0.00

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	$150,000.00	$150,000.00
Project Non-Bid Subtotal					**$150,000.00**
Version 21 Project Grand Total					**$192,535,285.75**

Date: 2/26/2025 10:24:51 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 448068-1-22-01 **Letting Date:** 01/2099

Description: PD&E WIDEN SUNCOAST PKWY(SR589) - S OF VAN DYKE RD TO SR52 (MP13-29)

District: 08 **County:** 97 TURNPIKE **Market Area:** 99 **Units:** English
Contract Class: 3 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 15.979 MI

Project Manager: MOORE

Version 24 Project Grand Total **$122,679,208.16**

Description: Lutz Lake to South of SR 54 (4 TO 8 LANES 3165+00 to 3267+00)

Sequence: 1 NDR - New Construction, Divided, Rural **Net Length:** 2.727 MI / 14,400 LF

Description: Lutz Lake to SR 54 (4 TO 8 LANES 3165+00 - 3309+00) Reconstruction

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	115.00 / 105.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.417
Top of Structural Course For Begin Section	106.00
Top of Structural Course For End Section	106.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	6.00 % / 6.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	72.72 AC	$69,069.09	$5,022,704.22
120-6	EMBANKMENT	62,311.44 CY	$24.75	$1,542,208.14
	Earthwork Component Total			$6,564,912.36

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	8
Roadway Pavement Width L/R	48.00 / 48.00
Structural Spread Rate	330
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	230,402.30 SY	$21.28	$4,902,960.94

285-709	OPTIONAL BASE,BASE GROUP 09	155,713.56	SY	$58.67	$9,135,714.57
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	25,344.25	TN	$188.86	$4,786,515.06
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	6,144.06	TN	$247.36	$1,519,794.68

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-701	OPTIONAL BASE,BASE GROUP 01	666.00	SY	$27.77	$18,494.82
	Comment: For trail				
334-1-12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	73.30	TN	$188.59	$13,823.65
	Comment: For trail				

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	1
Skip Stripe No. of Stripes	6

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	2,577.00	EA	$4.96	$12,781.92
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	10.91	GM	$1,448.71	$15,805.43
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	16.36	GM	$598.83	$9,796.86
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	10.91	GM	$6,541.58	$71,368.64
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	16.36	GM	$2,228.46	$36,457.61

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	7,100.00	LF	$365.80	$2,597,180.00
544-3-2	CRASH CUSHION, TL-3, WIDE	9.00	EA	$44,529.70	$400,767.30

Roadway Component Total $23,521,461.48

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	12.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	12.00 / 12.00
Structural Spread Rate	275
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	O
Rumble Strips ï¿½No. of Sides	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	39,456.39	SY	$42.51	$1,677,291.14
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	5,280.05	TN	$188.86	$997,190.24
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	84.48	TN	$247.36	$20,896.97
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	5.45	GM	$8,866.45	$48,322.15

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-24	SHLDR CONC BAR WALL, 8' NOISE WALL	8,000.00	LF	$634.23	$5,073,840.00
	Comment: 1000' right shoulder 7000' left shoulder				

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	37,440.37	LF	$4.43	$165,860.84
104-11	FLOATING TURBIDITY BARRIER	681.82	LF	$15.60	$10,636.39
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	681.82	LF	$19.17	$13,070.49
104-15	SOIL TRACKING PREVENTION DEVICE	3.00	EA	$4,709.30	$14,127.90
104-18	INLET PROTECTION SYSTEM	17.00	EA	$252.16	$4,286.72
107-1	LITTER REMOVAL	66.11	AC	$72.64	$4,802.23
107-2	MOWING	66.11	AC	$133.89	$8,851.47
	Shoulder Component Total				$8,039,176.54

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	26.00
Performance Turf Width	0.00
Total Median Shoulder Width L/R	12.00 / 12.00
Paved Median Shoulder Width L/R	12.00 / 12.00
Structural Spread Rate	275
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	O
Rumble Strips ï¿½No. of Sides	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount

285-704	OPTIONAL BASE,BASE GROUP 04	39,456.39	SY	$42.51	$1,677,291.14
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	5,280.05	TN	$188.86	$997,190.24
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	84.48	TN	$247.36	$20,896.97
521-1-11	MEDIAN CONC BARRIER, 38" HEIGHT	14,400.00	LF	$232.40	$3,346,560.00
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	5.00	GM	$8,866.45	$44,332.25
	Median Component Total				$6,086,270.60

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-551	INLETS, DT BOT, TYPE E, <10'	17.00	EA	$9,000.00	$153,000.00
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	2,184.00	LF	$200.00	$436,800.00
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	944.00	LF	$250.00	$236,000.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	808.00	LF	$480.00	$387,840.00
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	110.00	EA	$5,000.00	$550,000.00
524-1-1	CONCRETE DITCH PAVT, NR, 3"	5,454.60	SY	$116.52	$635,569.99
570-1-1	PERFORMANCE TURF	1,920.02	SY	$6.89	$13,228.94

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-790	INLETS, MED BARRIER, TYPE 2, <=10'	29.00	EA	$7,844.44	$227,488.76
	Comment: captures median drainage 14,400/500' = 29 inlets unit price used from state wide unit cost ($7,844.44)				
425-1-921	INLETS, ADJACENT BARRIER, <=10'	31.00	EA	$9,259.42	$287,042.02
	Comment: captures shoulder drainage 15,100/500' = 31 inlets unit price used from state wide unit cost ($7,844.44)				

Retention Basin 1

Description	Value
Size	.5 AC
Multiplier	1
Depth	6.00
Description	

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.50	AC	$297,240.40	$148,620.20
120-1	REGULAR EXCAVATION	4,840.00	CY	$103.76	$502,198.40
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	$9,350.00	$9,350.00
425-2-71	MANHOLES, J-7, <10'	1.00	EA	$14,500.00	$14,500.00
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00	LF	$654.39	$36,645.84

430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	200.00	LF	$612.49	$122,498.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	600.00	LF	$81.27	$48,762.00
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	1.00	EA	$5,256.99	$5,256.99
570-1-1	PERFORMANCE TURF	2,420.00	SY	$14.97	$36,227.40

Retention Basin 2

Description	Value
Size	.5 AC
Multiplier	1
Depth	6.00
Description	

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.50	AC	$297,240.40	$148,620.20
120-1	REGULAR EXCAVATION	4,840.00	CY	$103.76	$502,198.40
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	$9,350.00	$9,350.00
425-2-71	MANHOLES, J-7, <10'	1.00	EA	$14,500.00	$14,500.00
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00	LF	$654.39	$36,645.84
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	200.00	LF	$612.49	$122,498.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	600.00	LF	$81.27	$48,762.00
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	1.00	EA	$5,256.99	$5,256.99
570-1-1	PERFORMANCE TURF	2,420.00	SY	$14.97	$36,227.40
	Drainage Component Total				$4,775,087.37

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	6.00	EA	$764.94	$4,589.64
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	66.00	EA	$2,365.95	$156,152.70
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	6.00	EA	$8,500.00	$51,000.00
700-2-115	MULTI- COLUMN SIGN, F&I GM, 50.1-100 SF	17.00	EA	$10,000.00	$170,000.00

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-3-206	SIGN PANEL, F&I OM, 101-200 SF	10.00	EA	$10,171.55	$101,715.50
	Comment: 3165+00 to 3309+00				
700-4-114	OH STATIC SIGN STR, F&I, C 41-50 FT	10.00	EA	$182,265.02	$1,822,650.20
	Comment: 3165+00 to 3309+00				
	Signing Component Total				$2,306,108.04

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	144

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	28,800.00	LF	$24.85	$715,680.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	144.00	EA	$1,708.32	$245,998.08
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	86,400.00	LF	$6.55	$565,920.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	144.00	EA	$16,000.00	$2,304,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	144.00	EA	$1,175.12	$169,217.28
	Subcomponent Total				$4,000,815.36

Lighting Component Total $4,000,815.36

LANDSCAPING COMPONENT

User Input Data

Description	Value
Lump Sum	8,331,052.26
Cost %	0.00
Component Detail	N

Landscaping Component Total $8,331,052.26

BRIDGES COMPONENT

Bridge NB 2.7

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	336.00
Width (LF)	49.67
Type	Overpass Widening
Cost Factor	1.00
Structure No.	140069
Removal of Existing Structures area	2,157.00
Default Cost per SF	$140.00
Factored Cost per SF	$140.00
Final Cost per SF	**$152.29**
Basic Bridge Cost	**$2,336,476.80**
Description	NB OVER ANCLOTE RIVER-INSIDE AND OUTSIDE WIDENING

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	2,157.00	SF	$118.07	$254,676.99
400-2-10	CONC CLASS II, APPROACH SLABS	110.38	CY	$1,590.18	$175,524.07
415-1-9	REINF STEEL- APPROACH SLABS	19,316.50	LB	$1.53	$29,554.25

Bridge NB 2.7 Total $2,796,232.11

Bridge SB 2.7

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	336.00
Width (LF)	49.25
Type	Overpass Widening
Cost Factor	1.00
Structure No.	140070
Removal of Existing Structures area	1,888.00
Default Cost per SF	$140.00
Factored Cost per SF	$140.00
Final Cost per SF	**$152.29**
Basic Bridge Cost	**$2,316,720.00**
Description	SB OVER ANCLOTE RIVER-INSIDE AND OUTSIDE WIDENING. INCLUDES WIDENING FOR TRAIL.

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	1,888.00	SF	$118.07	$222,916.16
400-2-10	CONC CLASS II, APPROACH SLABS	109.44	CY	$1,590.18	$174,029.30
415-1-9	REINF STEEL- APPROACH SLABS	19,152.00	LB	$1.53	$29,302.56

Bridge SB 2.7 Total $2,742,968.02

Bridge NB 2.8

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	187.51
Width (LF)	40.31
Type	Overpass Widening
Cost Factor	1.00
Structure No.	140072
Removal of Existing Structures area	1,329.00
Default Cost per SF	$140.00
Factored Cost per SF	$140.00
Final Cost per SF	**$162.02**
Basic Bridge Cost	**$1,058,193.93**
Description	NB OVER SR54-INSIDE AND OUTSIDE WIDENING

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	1,329.00	SF	$118.07	$156,915.03
400-2-10	CONC CLASS II, APPROACH SLABS	89.58	CY	$1,590.18	$142,448.32
415-1-9	REINF STEEL- APPROACH SLABS	15,676.50	LB	$1.53	$23,985.04

Bridge NB 2.8 Total $1,381,542.33

Bridge SB 2.8

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	187.51
Width (LF)	40.00
Type	Overpass Widening
Cost Factor	1.00
Structure No.	140073
Removal of Existing Structures area	1,331.00
Default Cost per SF	$140.00
Factored Cost per SF	$140.00
Final Cost per SF	**$162.02**
Basic Bridge Cost	**$1,050,056.00**
Description	SB OVER SR54-INSIDE AND OUTSIDE WIDENING

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	1,331.00	SF	$118.07	$157,151.17
400-2-10	CONC CLASS II, APPROACH SLABS	88.89	CY	$1,590.18	$141,351.10
415-1-9	REINF STEEL- APPROACH SLABS	15,555.75	LB	$1.53	$23,800.30
	Bridge SB 2.8 Total				$1,372,358.57
	Bridges Component Total				$8,293,101.03

RETAINING WALLS COMPONENT

Retaining Wall 1

Description	Value
Length	801.00
Begin height	20.00
End Height	20.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	16,020.00	SF	$53.54	$857,710.80

Retaining Wall 2

Description	Value
Length	804.00
Begin height	20.00
End Height	20.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	16,080.00	SF	$53.54	$860,923.20
	Retaining Walls Component Total				$1,718,634.00

MISCELLANEOUS COMPONENT

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
25% UNKNOWN	FOR INFLATION	1.00	LS	$20,872,630.64	$20,872,630.64
	Comment: assume 25% for inflation (total cost $83,310,522.57) = $20,872,630.64				
ITS	ITS	1.00	LS	$3,332,420.90	$3,332,420.90
	Comment: assume 4% for ITS (total cost $83,310,522.57) = $3,332,420.90				
	Miscellaneous Component Total				$24,205,051.54

Sequence 1 Total $97,841,670.58

Sequence: 2 NUR - New Construction, Undivided, Rural **Net Length:** 1.231 MI 6,500 LF

Description: Aux lanes from begin project 3165+00 to 3309+00

Special Conditions: Clearing and grubbing, shoulder pavement, erosion control, solid stripe, signing, drainage, and lighting quantities is covered under roadway.

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	0.00 / 0.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	2.146
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
120-6	EMBANKMENT	83,227.41	CY	$24.75	$2,059,878.40
	Earthwork Component Total				$2,059,878.40

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	275
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	10,833.68	SY	$21.28	$230,540.71
285-709	OPTIONAL BASE,BASE GROUP 09	11,310.36	SY	$58.67	$663,578.82
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,489.63	TN	$188.86	$281,331.52
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	893.78	TN	$206.53	$184,592.38

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	0
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	166.00	EA	$4.96	$823.36
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	2.46	GM	$566.11	$1,392.63
	Roadway Component Total				$1,362,259.42
Sequence 2 Total					$3,422,137.82

Date: 2/26/2025 10:24:51 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 448068-1-22-01 **Letting Date:** 01/2099

Description: PD&E WIDEN SUNCOAST PKWY(SR589) - S OF VAN DYKE RD TO SR52 (MP13-29)

District: 08 **County:** 97 TURNPIKE **Market Area:** 99 **Units:** English
Contract Class: 3 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 15.979 MI

Project Manager: MOORE

Version 24 Project Grand Total **$122,679,208.16**

Description: Lutz Lake to South of SR 54 (4 TO 8 LANES 3165+00 to 3267+00)

Project Sequences Subtotal			**$101,263,808.40**
102-1	Maintenance of Traffic	10.00 %	$10,126,380.84
101-1	Mobilization	10.00 %	$11,139,018.92
Project Sequences Total			**$122,529,208.16**
Project Unknowns		0.00 %	$0.00
Design/Build		0.00 %	$0.00

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	$150,000.00	$150,000.00
Project Non-Bid Subtotal					**$150,000.00**
Version 24 Project Grand Total					**$122,679,208.16**

Date: 2/12/2025 8:38:11 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 448068-1-22-01 **Letting Date:** 01/2099

Description: PD&E WIDEN SUNCOAST PKWY(SR589) - S OF VAN DYKE RD TO SR52 (MP13-29)

District: 08 **County:** 97 TURNPIKE **Market Area:** 99 **Units:** English
Contract Class: 3 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 15.979 MI

Project Manager: SHARMA

Version 23 Project Grand Total **$330,096,486.14**
Description: SR 54 to N of SR 52 (4 TO 6 LANES)

Sequence: 2 NDR - New Construction, Divided, Rural **Net Length:** 5.758 MI / 30,400 LF

Description: SR 54 to Ridge Rd

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	95.00 / 80.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	5.758
Top of Structural Course For Begin Section	101.70
Top of Structural Course For End Section	101.70
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	6.00 % / 6.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	122.14 AC	$69,069.09	$8,436,098.65
120-6	EMBANKMENT	57,741.74 CY	$24.75	$1,429,108.06
	Earthwork Component Total			$9,865,206.72

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	36.00 / 36.00
Structural Spread Rate	330
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	459,379.71 SY	$21.28	$9,775,600.23

285-709	OPTIONAL BASE,BASE GROUP 09	247,659.71	SY	$58.67	$14,530,195.19
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	40,128.17	TN	$188.86	$7,578,606.19
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	9,728.04	TN	$247.36	$2,406,327.97

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
102-2-200	SPECIAL DETOUR- TEMPORARY PAVEMENT	117,246.00	SY	$34.59	$4,055,539.14
	Comment: Quantity from original LRE - adjusted for mileage.				
160-4	TYPE B STABILIZATION	48,780.00	SY	$21.28	$1,038,038.40
	Comment: 16000 SY for aux lanes. 32780 SY for trail.				
285-701	OPTIONAL BASE,BASE GROUP 01	32,780.00	SY	$27.77	$910,300.60
	Comment: For trail.				
285-709	OPTIONAL BASE,BASE GROUP 09	16,000.00	SY	$58.67	$938,720.00
	Comment: For aux lanes				
334-1-12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	3,278.00	TN	$186.77	$612,232.06
	Comment: For trail.				
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	2,640.00	TN	$188.86	$498,590.40
	Comment: For aux lanes				
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	640.00	TN	$247.36	$158,310.40
	Comment: For aux lanes				
534-72-101	SOUND/NOISE BARRIER-INC FOUNDATION, PERM	116,600.00	SF	$68.36	$7,970,776.00
	Comment: Matched quantity from original LRE.				
536-8-112	GUARDRA CONN TO RIGID BA, F&I, N APPR 3	2.00	EA	$3,678.71	$7,357.42
536-8-122	GUARDRA CONN TO RIGID BA, F&I, APP E3	6.00	EA	$3,658.10	$21,948.60
536-8-123	APPROACH TRANS CONN TO RIGID BA, F&I, ET	4.00	EA	$1,647.49	$6,589.96
536-85-20	GUARDRAIL END TREAT-TRAILING ANCHORAGE	3.00	EA	$1,799.59	$5,398.77

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	1
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	3,886.00	EA	$4.96	$19,274.56
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	23.03	GM	$1,448.71	$33,363.79
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	23.03	GM	$598.83	$13,791.05

711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	23.03	GM	$6,541.58	$150,652.59
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	23.03	GM	$2,228.46	$51,321.43

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	1,609.97	TN	$268.77	$432,711.64
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	48,229.00	LF	$29.57	$1,426,131.53
536-85-24	GUARDRAIL END TREATMENT-PARA APP TERM	7.00	EA	$3,672.36	$25,706.52
	Roadway Component Total				$52,667,484.44

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	12.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	2.00 / 2.00
Paved Outside Shoulder Width L/R	10.00 / 10.00
Structural Spread Rate	275
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	O
Rumble Strips ï¿½No. of Sides	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	69,785.18	SY	$42.51	$2,966,568.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	9,288.93	TN	$188.86	$1,754,307.32
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	178.35	TN	$247.36	$44,116.66
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	11.52	GM	$2,141.34	$24,668.24
570-1-1	PERFORMANCE TURF	13,511.17	SY	$6.88	$92,956.85

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	79,040.33	LF	$3.32	$262,413.90
104-11	FLOATING TURBIDITY BARRIER	1,439.40	LF	$15.96	$22,972.82
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	1,439.40	LF	$19.18	$27,607.69
104-15	SOIL TRACKING PREVENTION DEVICE	6.00	EA	$4,709.30	$28,255.80

104-18	INLET PROTECTION SYSTEM	35.00	EA	$192.13	$6,724.55
107-1	LITTER REMOVAL	139.56	AC	$57.63	$8,042.84
107-2	MOWING	139.56	AC	$54.82	$7,650.68
	Shoulder Component Total				$5,246,285.35

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	40.00
Performance Turf Width	5.50
Total Median Shoulder Width L/R	20.00 / 20.00
Paved Median Shoulder Width L/R	10.00 / 10.00
Structural Spread Rate	275
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	O
Rumble Strips ï¿½No. of Sides	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	69,785.18	SY	$42.51	$2,966,568.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	9,288.93	TN	$188.86	$1,754,307.32
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	178.35	TN	$247.36	$44,116.66
521-1-11	MEDIAN CONC BARRIER, 38" HEIGHT	1,341.00	LF	$232.40	$311,648.40
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	12.00	GM	$2,141.34	$25,696.08
570-1-1	PERFORMANCE TURF	18,577.86	SY	$6.88	$127,815.68
	Median Component Total				$5,230,152.14

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-551	INLETS, DT BOT, TYPE E, <10'	35.00	EA	$9,622.55	$336,789.25
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	4,608.00	LF	$278.89	$1,285,125.12
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	1,984.00	LF	$228.01	$452,371.84
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	1,712.00	LF	$310.89	$532,243.68
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	231.00	EA	$3,624.19	$837,187.89
524-1-1	CONCRETE DITCH PAVT, NR, 3"	11,515.20	SY	$113.15	$1,302,944.88
570-1-1	PERFORMANCE TURF	4,053.35	SY	$6.88	$27,887.05

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-790	INLETS, MED BARRIER, TYPE 2, <=10'	11.00	EA	$7,844.44	$86,288.84
	Comment: captures median drainage 5,350/500' = 11 inlets unit price used from state wide unit cost ($7,844.44)				

Retention Basin 1

Description	Value
Size	5 AC
Multiplier	1
Depth	6.00
Description	Expand exist pond (10 locations)

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	5.00	AC	$27,000.00	$135,000.00
120-1	REGULAR EXCAVATION	48,400.00	CY	$104.30	$5,048,120.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	$11,392.37	$11,392.37
425-2-71	MANHOLES, J-7, <10'	2.00	EA	$12,151.00	$24,302.00
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00	LF	$654.39	$36,645.84
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	400.00	LF	$612.49	$244,996.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	1,860.00	LF	$81.27	$151,162.20
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	2.00	EA	$5,256.99	$10,513.98
570-1-1	PERFORMANCE TURF	24,200.00	SY	$18.06	$437,052.00
	Drainage Component Total				$10,960,022.94

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	12.00	EA	$543.45	$6,521.40
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	139.00	EA	$1,918.21	$266,631.19
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	12.00	EA	$8,985.18	$107,822.16
700-2-115	MULTI- COLUMN SIGN, F&I GM, 50.1-100 SF	35.00	EA	$10,791.99	$377,719.65

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-3-209	SIGN PANEL, F&I OM, 401-500 SF	10.00	EA	$14,200.00	$142,000.00
	Comment: Matched original LRE quantities.				
700-3-629	SIGN PANEL, REMOVE, 401-500 SF W LIGHT	7.00	EA	$2,679.20	$18,754.40
	Comment: Matched original LRE quantities.				
700-4-114	OH STATIC SIGN STR, F&I, C 41-50 FT	16.00	EA	$182,265.02	$2,916,240.32
700-4-622	OH STATIC SIGN STR, DEEP REMOVE, SPAN	1.00	EA	$40,771.81	$40,771.81
	Comment: Matched original LRE quantities.				
	Signing Component Total				$3,876,460.93

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	245

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	49,000.00	LF	$24.85	$1,217,650.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	245.00	EA	$1,708.32	$418,538.40
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	147,000.00	LF	$6.55	$962,850.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	245.00	EA	$16,000.00	$3,920,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	245.00	EA	$1,175.12	$287,904.40
	Subcomponent Total				$6,806,942.80
	Lighting Component Total				$6,806,942.80

BRIDGES COMPONENT

Bridge NB2.9

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	240.00
Width (LF)	34.83
Type	Overpass Widening
Cost Factor	1.00
Structure No.	140074
Removal of Existing Structures area	6.08
Default Cost per SF	$140.00
Factored Cost per SF	$140.00
Final Cost per SF	**$157.20**
Basic Bridge Cost	**$1,170,288.00**
Description	NB OVER SANDY BRANCH RIVER - INSIDE AND OUTSIDE WIDENING

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	6.08	SF	$118.07	$717.87
400-2-10	CONC CLASS II, APPROACH SLABS	77.40	CY	$1,590.18	$123,079.93
415-1-9	REINF STEEL- APPROACH SLABS	13,545.00	LB	$1.53	$20,723.85
	Bridge NB2.9 Total				$1,314,809.65

Bridge SB2.9

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	240.00
Width (LF)	34.08
Type	Overpass Widening
Cost Factor	1.00
Structure No.	140075
Removal of Existing Structures area	5.12
Default Cost per SF	$140.00
Factored Cost per SF	$140.00

Final Cost per SF	**$157.20**
Basic Bridge Cost	**$1,145,088.00**
Description	SB OVER SANDY BRANCH RIVER - INSIDE AND OUTSIDE WIDENING. INCLUDES WIDENING FOR TRAIL.

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	5.12	SF	$118.07	$604.52
400-2-10	CONC CLASS II, APPROACH SLABS	75.73	CY	$1,590.18	$120,424.33
415-1-9	REINF STEEL- APPROACH SLABS	13,252.75	LB	$1.53	$20,276.71
	Bridge SB2.9 Total				$1,286,393.56

Bridge NB2.10

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	845.00
Width (LF)	18.33
Type	Overpass Widening
Cost Factor	1.00
Structure No.	140076
Removal of Existing Structures area	2.04
Default Cost per SF	$140.00
Factored Cost per SF	$140.00
Final Cost per SF	**$154.92**
Basic Bridge Cost	**$2,168,439.00**
Description	NB OVER ANCLOTE RIVER - INSIDE WIDENING

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	2.04	SF	$118.07	$240.86
400-2-10	CONC CLASS II, APPROACH SLABS	40.73	CY	$1,590.18	$64,768.03
415-1-9	REINF STEEL- APPROACH SLABS	7,127.75	LB	$1.53	$10,905.46

Bridge X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
460-71-4	METAL TRAF RAILING, RECTANGULAR TUBE RET	845.00	LF	$183.95	$155,437.75
	Bridge NB2.10 Total				$2,399,791.10

Bridge SB2.10

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	845.00
Width (LF)	18.85
Type	Overpass Widening
Cost Factor	1.00
Structure No.	140077
Removal of Existing Structures area	2.56

Default Cost per SF	$140.00
Factored Cost per SF	$140.00
Final Cost per SF	**$154.64**
Basic Bridge Cost	**$2,229,955.00**
Description	SB OVER ANCLOTE RIVER - INSIDE WIDENING

Bridge Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	2.56 SF	$118.07	$302.26
400-2-10	CONC CLASS II, APPROACH SLABS	41.89 CY	$1,590.18	$66,612.64
415-1-9	REINF STEEL- APPROACH SLABS	7,330.75 LB	$1.53	$11,216.05

Bridge X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
460-71-4	METAL TRAF RAILING, RECTANGULAR TUBE RET	845.00 LF	$183.95	$155,437.75
	Bridge SB2.10 Total			$2,463,523.70
	Bridges Component Total			$7,464,518.01

ARCHITECTURAL COMPONENT

EX-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
TOLL	NEW EQUIPMENT	1.00 LS	$200,000.00	$200,000.00
	Comment: New equipment cost for existing mainline toll gantry.			
	Architectural Component Total			$200,000.00

Sequence 2 Total $102,317,073.33

Sequence: 3 NDR - New Construction, Divided, Rural **Net Length:** 4.567 MI 24,111 LF

Description: Ridge Rd to N of SR 52

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	95.00 / 80.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	4.567
Top of Structural Course For Begin Section	102.10
Top of Structural Course For End Section	102.10
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	6.00 % / 6.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	96.85	AC	$69,069.09	$6,689,341.37
120-6	EMBANKMENT	96,347.87	CY	$24.75	$2,384,609.78
	Earthwork Component Total				$9,073,951.15

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	36.00 / 36.00
Structural Spread Rate	330
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	364,345.81	SY	$21.28	$7,753,278.84
285-709	OPTIONAL BASE,BASE GROUP 09	196,425.26	SY	$58.67	$11,524,270.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	31,826.68	TN	$188.86	$6,010,786.78
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	7,715.56	TN	$247.36	$1,908,520.92

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
102-2-200	SPECIAL DETOUR- TEMPORARY PAVEMENT	119,156.00	SY	$34.59	$4,121,606.04
	Comment: Original LRE quantity - adjusted for mileage differences.				
160-4	TYPE B STABILIZATION	26,022.00	SY	$21.28	$553,748.16
	Comment: 14022 SY for trail. 12,000 SY for aux lanes.				

285-701	OPTIONAL BASE,BASE GROUP 01	14,022.00	SY	$27.77	$389,390.94
	Comment: For trail				
285-709	OPTIONAL BASE,BASE GROUP 09	12,000.00	SY	$58.67	$704,040.00
	Comment: For aux lanes				
334-1-12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	1,402.20	TN	$186.77	$261,888.89
	Comment: For trail				
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,980.00	TN	$188.86	$373,942.80
	Comment: For aux lanes				
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	480.00	TN	$247.36	$118,732.80
	Comment: For aux lanes				
339-1	MISCELLANEOUS ASPHALT PAVEMENT	566.70	TN	$268.77	$152,311.96
	Comment: For additional guardrail				
534-72-101	SOUND/NOISE BARRIER-INC FOUNDATION, PERM	17,600.00	SF	$68.36	$1,203,136.00
	Comment: Matched original LRE quantity.				
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	22,675.00	LF	$29.57	$670,499.75
536-8-112	GUARDRA CONN TO RIGID BA, F&I, N APPR 3	8.00	EA	$3,678.71	$29,429.68
536-8-122	GUARDRA CONN TO RIGID BA, F&I, APP E3	8.00	EA	$3,658.10	$29,264.80
536-8-123	APPROACH TRANS CONN TO RIGID BA, F&I, ET	5.00	EA	$1,647.49	$8,237.45

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	1
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	3,082.00	EA	$4.96	$15,286.72
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	18.27	GM	$1,448.71	$26,467.93
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	18.27	GM	$598.83	$10,940.62
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	18.27	GM	$6,541.58	$119,514.67
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	18.27	GM	$2,228.46	$40,713.96

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	404.77	TN	$268.77	$108,790.03
536-1-3	GUARDRAIL- ROADWAY, DOUBLE FACE	12,063.00	LF	$32.67	$394,098.21
536-85-24	GUARDRAIL END TREATMENT-PARA APP TERM	8.00	EA	$3,672.36	$29,378.88
	Roadway Component Total				$36,558,276.83

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	12.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	2.00 / 2.00
Paved Outside Shoulder Width L/R	10.00 / 10.00
Structural Spread Rate	275
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	O
Rumble Strips ï¿½No. of Sides	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	55,348.42	SY	$42.51	$2,352,861.33
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	7,367.29	TN	$188.86	$1,391,386.39
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	141.45	TN	$247.36	$34,989.07
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	9.13	GM	$2,141.34	$19,550.43
570-1-1	PERFORMANCE TURF	10,716.05	SY	$6.88	$73,726.42

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	62,688.91	LF	$3.32	$208,127.18
104-11	FLOATING TURBIDITY BARRIER	1,141.62	LF	$15.96	$18,220.26
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	1,141.62	LF	$19.18	$21,896.27
104-15	SOIL TRACKING PREVENTION DEVICE	5.00	EA	$4,709.30	$23,546.50
104-18	INLET PROTECTION SYSTEM	28.00	EA	$192.13	$5,379.64
107-1	LITTER REMOVAL	110.69	AC	$57.63	$6,379.06
107-2	MOWING	110.69	AC	$54.82	$6,068.03
	Shoulder Component Total				$4,162,130.58

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	40.00
Performance Turf Width	5.50

Total Median Shoulder Width L/R	20.00 / 20.00
Paved Median Shoulder Width L/R	10.00 / 10.00
Structural Spread Rate	275
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	O
Rumble Strips ï¿½No. of Sides	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	55,348.42	SY	$42.51	$2,352,861.33
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	7,367.29	TN	$188.86	$1,391,386.39
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	141.45	TN	$247.36	$34,989.07
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	9.00	GM	$2,141.34	$19,272.06
570-1-1	PERFORMANCE TURF	14,734.57	SY	$6.88	$101,373.84
	Median Component Total				$3,899,882.69

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-551	INLETS, DT BOT, TYPE E, <10'	28.00	EA	$9,622.55	$269,431.40
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	3,656.00	LF	$278.89	$1,019,621.84
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	1,576.00	LF	$228.01	$359,343.76
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	1,352.00	LF	$310.89	$420,323.28
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	183.00	EA	$3,624.19	$663,226.77
524-1-1	CONCRETE DITCH PAVT, NR, 3"	9,133.00	SY	$113.15	$1,033,398.95
570-1-1	PERFORMANCE TURF	3,214.82	SY	$6.88	$22,117.96

Retention Basin 1

Description	Value
Size	2 AC
Multiplier	1
Depth	6.00
Description	Expand exist pond (4 locations)

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.00	AC	$27,000.00	$54,000.00
120-1	REGULAR EXCAVATION	19,360.00	CY	$104.30	$2,019,248.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	$11,392.37	$11,392.37
425-2-71	MANHOLES, J-7, <10'	1.00	EA	$12,151.00	$12,151.00
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00	LF	$654.39	$36,645.84
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	200.00	LF	$612.49	$122,498.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	1,180.00	LF	$81.27	$95,898.60
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	1.00	EA	$5,256.99	$5,256.99

570-1-1	PERFORMANCE TURF	9,680.00	SY	$18.06	$174,820.80
	Drainage Component Total				$6,319,375.56

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	10.00	EA	$543.45	$5,434.50
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	110.00	EA	$1,918.21	$211,003.10
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	10.00	EA	$8,985.18	$89,851.80
700-2-115	MULTI- COLUMN SIGN, F&I GM, 50.1-100 SF	28.00	EA	$10,791.99	$302,175.72

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-3-206	SIGN PANEL, F&I OM, 101-200 SF	10.00	EA	$10,172.19	$101,721.90
700-4-114	OH STATIC SIGN STR, F&I, C 41-50 FT	10.00	EA	$182,265.02	$1,822,650.20
700-4-622	OH STATIC SIGN STR, DEEP REMOVE, SPAN	1.00	EA	$40,771.81	$40,771.81
	Comment: Matched original LRE quantities.				
700-8-136	FRONT ACC DYN MESS SIGN, F&I, FULL,101-	1.00	EA	$128,141.44	$128,141.44
	Comment: Matched original LRE quantities.				
700-8-600	FRONT ACC DYN MESS SIGN, REMOVE	1.00	EA	$5,193.71	$5,193.71
	Comment: Matched original LRE quantities.				
	Signing Component Total				$2,706,944.18

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

Description of Work

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
ITS	ITS	1.00	LS	$2,283,500.00	$2,283,500.00
	Comment: Matched original LRE estimate - assumes $500,000/mile				
	Intelligent Traffic System (ITS) Component Total				$2,283,500.00

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	43

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	8,600.00	LF	$24.85	$213,710.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	43.00	EA	$1,708.32	$73,457.76

715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	25,800.00	LF	$6.55	$168,990.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	43.00	EA	$16,000.00	$688,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	43.00	EA	$1,175.12	$50,530.16
	Subcomponent Total				$1,194,687.92
	Lighting Component Total				$1,194,687.92

BRIDGES COMPONENT

Bridge NB2.11

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	212.00
Width (LF)	19.33
Type	Overpass Widening
Cost Factor	1.00
Structure No.	140089
Removal of Existing Structures area	3.04
Default Cost per SF	$140.00
Factored Cost per SF	$140.00
Final Cost per SF	**$168.99**
Basic Bridge Cost	**$573,714.40**
Description	NB BRIDGE OVER RIDGE ROAD - INSIDE WIDENING

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	3.04	SF	$118.07	$358.93
400-2-10	CONC CLASS II, APPROACH SLABS	42.96	CY	$1,590.18	$68,314.13
415-1-9	REINF STEEL- APPROACH SLABS	7,518.00	LB	$1.53	$11,502.54

Bridge X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
460-71-4	METAL TRAF RAILING, RECTANGULAR TUBE RET	212.00	LF	$183.95	$38,997.40
	Bridge NB2.11 Total				$692,887.40

Bridge SB2.11

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	212.00
Width (LF)	19.33
Type	Overpass Widening
Cost Factor	1.00
Structure No.	140090
Removal of Existing Structures area	3.04
Default Cost per SF	$140.00
Factored Cost per SF	$140.00
Final Cost per SF	**$168.99**
Basic Bridge Cost	**$573,714.40**

Description SB BRIDGE OVER RIDGE RD - INSIDE WIDENING

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	3.04	SF	$118.07	$358.93
400-2-10	CONC CLASS II, APPROACH SLABS	42.96	CY	$1,590.18	$68,314.13
415-1-9	REINF STEEL- APPROACH SLABS	7,518.00	LB	$1.53	$11,502.54

Bridge X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
460-71-4	METAL TRAF RAILING, RECTANGULAR TUBE RET	212.00	LF	$183.95	$38,997.40

Bridge SB2.11 Total $692,887.40

Bridge NB2.12

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	594.33
Width (LF)	19.33
Type	Overpass Widening
Cost Factor	1.00
Structure No.	140078
Removal of Existing Structures area	3.04
Default Cost per SF	$140.00
Factored Cost per SF	$140.00
Final Cost per SF	**$156.46**
Basic Bridge Cost	**$1,608,375.85**

Description NB OVER FIVE MILE CREEK - INSIDE WIDENING

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	3.04	SF	$118.07	$358.93
400-2-10	CONC CLASS II, APPROACH SLABS	42.96	CY	$1,590.18	$68,314.13
415-1-9	REINF STEEL- APPROACH SLABS	7,518.00	LB	$1.53	$11,502.54

Bridge X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
460-71-4	METAL TRAF RAILING, RECTANGULAR TUBE RET	594.33	LF	$183.95	$109,327.00

Bridge NB2.12 Total $1,797,878.45

Bridge SB2.12

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	594.33
Width (LF)	18.85
Type	Overpass Widening
Cost Factor	1.00

Structure No.	140079
Removal of Existing Structures area	15.14
Default Cost per SF	$140.00
Factored Cost per SF	$140.00
Final Cost per SF	**$156.71**
Basic Bridge Cost	**$1,568,436.87**
Description	SB OVER FIVE MILE CREEK - INSIDE WIDENING, REMOVE OUTSIDE TRAIL PORTION

Bridge Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	15.14 SF	$118.07	$1,787.58
400-2-10	CONC CLASS II, APPROACH SLABS	41.89 CY	$1,590.18	$66,612.64
415-1-9	REINF STEEL- APPROACH SLABS	7,330.75 LB	$1.53	$11,216.05

Bridge X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
460-71-4	METAL TRAF RAILING, RECTANGULAR TUBE RET	594.33 LF	$183.95	$109,327.00

Bridge SB2.12 Total $1,757,380.14

Bridge NB2.13

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	528.33
Width (LF)	19.33
Type	Overpass Widening
Cost Factor	1.00
Structure No.	140080
Removal of Existing Structures area	3.04
Default Cost per SF	$140.00
Factored Cost per SF	$140.00
Final Cost per SF	**$159.75**
Basic Bridge Cost	**$1,429,766.65**
Description	NB OVER PITHLACHASCOTEE RIVER - INSIDE WIDENING

Bridge Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	3.04 SF	$118.07	$358.93
400-2-10	CONC CLASS II, APPROACH SLABS	42.96 CY	$1,590.18	$68,314.13
415-1-9	REINF STEEL- APPROACH SLABS	7,518.00 LB	$1.53	$11,502.54

Bridge X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
460-72-1	THRIE BEAM PANEL RETROFIT, CONCRETE HAND	528.33 LF	$230.67	$121,869.88

Bridge NB2.13 Total $1,631,812.13

Bridge SB2.13

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	528.33
Width (LF)	18.85
Type	Overpass Widening
Cost Factor	1.00
Structure No.	140081
Removal of Existing Structures area	15.14
Default Cost per SF	$140.00
Factored Cost per SF	$140.00
Final Cost per SF	**$160.05**
Basic Bridge Cost	**$1,394,262.87**
Description	SB OVER PITHLACHASCOTEE RIVER - INSIDE WIDENING AND REMOVE OUTSIDE TRAIL PORTION

Bridge Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	15.14 SF	$118.07	$1,787.58
400-2-10	CONC CLASS II, APPROACH SLABS	41.89 CY	$1,590.18	$66,612.64
415-1-9	REINF STEEL- APPROACH SLABS	7,330.75 LB	$1.53	$11,216.05

Bridge X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
460-72-1	THRIE BEAM PANEL RETROFIT, CONCRETE HAND	528.33 LF	$230.67	$121,869.88
	Bridge SB2.13 Total			$1,595,749.02

Bridge NB2.14

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	177.08
Width (LF)	19.83
Type	Overpass Widening
Cost Factor	1.00
Structure No.	140082
Removal of Existing Structures area	3.54
Default Cost per SF	$140.00
Factored Cost per SF	$140.00
Final Cost per SF	**$172.59**
Basic Bridge Cost	**$491,609.50**
Description	NB OVER SR 52 - INSIDE WIDENING

Bridge Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	3.54 SF	$118.07	$417.97
400-2-10	CONC CLASS II, APPROACH SLABS	44.07 CY	$1,590.18	$70,079.23
415-1-9	REINF STEEL- APPROACH SLABS	7,712.25 LB	$1.53	$11,799.74

Bridge X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
460-71-4	METAL TRAF RAILING, RECTANGULAR TUBE RET	177.08 LF	$183.95	$32,573.87
	Bridge NB2.14 Total			$606,480.31

Bridge SB2.14

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	177.08
Width (LF)	19.83
Type	Overpass Widening
Cost Factor	1.00
Structure No.	140083
Removal of Existing Structures area	3.54
Default Cost per SF	$140.00
Factored Cost per SF	$140.00
Final Cost per SF	**$172.59**
Basic Bridge Cost	**$491,609.50**
Description	SB OVER SR 52 - INSIDE WIDENING

Bridge Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	3.54 SF	$118.07	$417.97
400-2-10	CONC CLASS II, APPROACH SLABS	44.07 CY	$1,590.18	$70,079.23
415-1-9	REINF STEEL- APPROACH SLABS	7,712.25 LB	$1.53	$11,799.74

Bridge X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
460-71-4	METAL TRAF RAILING, RECTANGULAR TUBE RET	177.08 LF	$183.95	$32,573.87
	Bridge SB2.14 Total			$606,480.31
	Bridges Component Total			$9,381,555.16

Sequence 3 Total $75,580,304.07

Sequence: 4 MIS - Miscellaneous Construction **Net Length:** 0.000 MI 0 LF

Description: ITS

MISCELLANEOUS COMPONENT

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
ITS	ITS, MOC, 4% OF SUBTOTAL	1.00	1	$8,616,233.00	$8,616,233.00
	Miscellaneous Component Total				$8,616,233.00

Sequence 4 Total $8,616,233.00

Sequence: 5 MIS - Miscellaneous Construction **Net Length:** 0.000 MI 0 LF

Description: Landscape

LANDSCAPING COMPONENT

User Input Data

Description	Value
Lump Sum	21,540,583.00
Cost %	0.00
Component Detail	N

Landscaping Component Total $21,540,583.00

Sequence 5 Total $21,540,583.00

Sequence: 6 MIS - Miscellaneous Construction **Net Length:** 0.000 MI 0 LF

Description: 25% Unknown

MISCELLANEOUS COMPONENT

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
25% UNKNOWN	FOR INFLATION	1.00	1	$64,628,853.00	$64,628,853.00
	Miscellaneous Component Total				$64,628,853.00

Sequence 6 Total $64,628,853.00

Date: 2/12/2025 8:38:11 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 448068-1-22-01 **Letting Date:** 01/2099

Description: PD&E WIDEN SUNCOAST PKWY(SR589) - S OF VAN DYKE RD TO SR52 (MP13-29)

District: 08 **County:** 97 TURNPIKE **Market Area:** 99 **Units:** English
Contract Class: 3 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 15.979 MI

Project Manager: SHARMA

Version 23 Project Grand Total **$330,096,486.14**
Description: SR 54 to N of SR 52 (4 TO 6 LANES)

Project Sequences Subtotal			**$272,683,046.40**
102-1	Maintenance of Traffic	10.00 %	$27,268,304.64
101-1	Mobilization	10.00 %	$29,995,135.10
Project Sequences Total			**$329,946,486.14**
Project Unknowns		0.00 %	$0.00
Design/Build		0.00 %	$0.00

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	$150,000.00	$150,000.00
Project Non-Bid Subtotal					**$150,000.00**
Version 23 Project Grand Total					**$330,096,486.14**

Date: 2/12/2025 9:32:02 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 448068-1-22-01 **Letting Date:** 01/2099

Description: PD&E WIDEN SUNCOAST PKWY(SR589) - S OF VAN DYKE RD TO SR52 (MP13-29)

District: 08 **County:** 97 TURNPIKE **Market Area:** 99 **Units:** English
Contract Class: 3 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 15.979 MI

Project Manager: SHARMA

Version 15 Project Grand Total **$16,485,839.38**
Description: Van Dyke Road

Sequence: 1 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.142 MI 750 LF

Description: Ramp A - SB on two lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	20.00 / 10.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.097
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.52	AC	$69,069.09	$35,915.93
	Earthwork Component Total				$35,915.93

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Existing Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	999.68	SY	$21.48	$21,473.13
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,999.36	SY	$7.52	$15,035.19
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	164.95	TN	$188.86	$31,152.46
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	79.97	TN	$206.53	$16,516.20

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	19.00	EA	$4.96	$94.24
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.57	GM	$1,448.71	$825.76
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.28	GM	$693.74	$194.25

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $85,291.23

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	554.82	SY	$42.51	$23,585.40
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	27.49	TN	$188.86	$5,191.76
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	19.99	TN	$206.53	$4,128.53

570-1-1	PERFORMANCE TURF	499.84	SY	$6.88	$3,438.90

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,724.45	LF	$3.32	$5,725.17
104-11	FLOATING TURBIDITY BARRIER	14.20	LF	$15.96	$226.63
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	14.20	LF	$19.18	$272.36
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.34	AC	$57.63	$19.59
107-2	MOWING	0.34	AC	$54.82	$18.64
	Shoulder Component Total				$47,508.41

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	24.00	LF	$278.89	$6,693.36
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	$3,624.19	$7,248.38
570-1-1	PERFORMANCE TURF	57.37	SY	$6.88	$394.71
	Drainage Component Total				$19,310.69

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$543.45	$543.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	3.00	EA	$1,918.21	$5,754.63
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	3.00	EA	$58.36	$175.08
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$14,787.39

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	6

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount

630-2-11	CONDUIT, F& I, OPEN TRENCH	1,200.00 LF	$24.85	$29,820.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	6.00 EA	$1,708.32	$10,249.92
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	3,600.00 LF	$6.55	$23,580.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	6.00 EA	$16,000.00	$96,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	6.00 EA	$1,175.12	$7,050.72
	Subcomponent Total			$166,700.64
	Lighting Component Total			$166,700.64
Sequence 1 Total				$369,514.29

Sequence: 2 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.218 MI 1,150 LF

Description: Ramp A - SB on one lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	20.00 / 10.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.218
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.79	AC	$69,069.09	$54,564.58
	Earthwork Component Total				$54,564.58

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	1,533.31	SY	$21.48	$32,935.50
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,916.64	SY	$7.52	$14,413.13
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	158.12	TN	$188.86	$29,862.54
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	76.67	TN	$206.53	$15,834.66

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.87	GM	$1,448.71	$1,260.38

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $94,306.21

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	850.99	SY	$42.51	$36,175.58
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	42.17	TN	$188.86	$7,964.23
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	30.67	TN	$206.53	$6,334.28
570-1-1	PERFORMANCE TURF	766.66	SY	$6.88	$5,274.62

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,644.96	LF	$3.32	$8,781.27
104-11	FLOATING TURBIDITY BARRIER	21.78	LF	$15.96	$347.61
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	21.78	LF	$19.18	$417.74
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.53	AC	$57.63	$30.54
107-2	MOWING	0.53	AC	$54.82	$29.05

Shoulder Component Total $70,256.35

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	32.00	LF	$278.89	$8,924.48
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00	EA	$3,624.19	$10,872.57
570-1-1	PERFORMANCE TURF	87.99	SY	$6.88	$605.37
	Drainage Component Total				$25,376.66

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$543.45	$543.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	5.00	EA	$1,918.21	$9,591.05
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	5.00	EA	$58.36	$291.80
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$18,740.53

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	3

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	600.00	LF	$24.85	$14,910.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	3.00	EA	$1,708.32	$5,124.96
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,800.00	LF	$6.55	$11,790.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	3.00	EA	$16,000.00	$48,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	3.00	EA	$1,175.12	$3,525.36
	Subcomponent Total				$83,350.32
	Lighting Component Total				$83,350.32

Sequence 2 Total $346,594.65

Sequence: 3 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.114 MI 600 LF

Description: Ramp B - NB off one lane section

Special Conditions: M&R

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	0.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.113
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.41	AC	$69,069.09	$28,318.33
	Earthwork Component Total				$28,318.33

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	799.74	SY	$21.48	$17,178.42
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	999.68	SY	$7.52	$7,517.59
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	82.47	TN	$188.86	$15,575.28
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	39.99	TN	$206.53	$8,259.13

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2

Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.45	GM	$1,448.71	$651.92

Roadway Component Total $49,182.34

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	443.86	SY	$42.51	$18,868.49
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	21.99	TN	$188.86	$4,153.03
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	15.99	TN	$206.53	$3,302.41
570-1-1	PERFORMANCE TURF	399.87	SY	$6.88	$2,751.11

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,379.56	LF	$3.32	$4,580.14
104-11	FLOATING TURBIDITY BARRIER	11.36	LF	$15.96	$181.31
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	11.36	LF	$19.18	$217.88
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.27	AC	$57.63	$15.56
107-2	MOWING	0.27	AC	$54.82	$14.80

Shoulder Component Total $38,986.16

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	24.00	LF	$278.89	$6,693.36
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	$310.89	$2,487.12

430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	$3,624.19	$7,248.38
570-1-1	PERFORMANCE TURF	45.89	SY	$6.88	$315.72

Retention Basin 1

Description	Value
Size	.5 AC
Multiplier	1
Depth	6.00
Description	Expand exist pond

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.50	AC	$27,000.00	$13,500.00
120-1	REGULAR EXCAVATION	4,840.00	CY	$104.30	$504,812.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	$11,392.37	$11,392.37
425-2-71	MANHOLES, J-7, <10'	1.00	EA	$12,151.00	$12,151.00
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00	LF	$654.39	$36,645.84
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	200.00	LF	$612.49	$122,498.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	600.00	LF	$81.27	$48,762.00
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	1.00	EA	$5,256.99	$5,256.99
570-1-1	PERFORMANCE TURF	2,420.00	SY	$18.06	$43,705.20
	Drainage Component Total				$815,467.98

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$543.45	$543.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	3.00	EA	$1,918.21	$5,754.63
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	3.00	EA	$58.36	$175.08
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$14,787.39

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	3

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	600.00	LF	$24.85	$14,910.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	3.00	EA	$1,708.32	$5,124.96

715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,800.00 LF	$6.55	$11,790.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	3.00 EA	$16,000.00	$48,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	3.00 EA	$1,175.12	$3,525.36
	Subcomponent Total			$83,350.32
	Lighting Component Total			$83,350.32
Sequence 3 Total				$1,030,092.52

Sequence: 4 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.161 MI 850 LF

Description: Ramp B - NB off three lane section

Special Conditions: M&R and Widening

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 20.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.160
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.98	AC	$69,069.09	$67,687.71
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	280.66	CY	$53.86	$15,116.35
	Earthwork Component Total				$82,804.06

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	3
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	21.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	4,250.40	SY	$21.48	$91,298.59
285-709	OPTIONAL BASE,BASE GROUP 09	2,014.69	SY	$58.67	$118,201.86
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,416.80	SY	$7.52	$10,654.34
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	116.89	TN	$188.86	$22,075.85
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	272.73	TN	$188.86	$51,507.79
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	56.67	TN	$206.53	$11,704.06
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	163.64	TN	$206.53	$33,796.57

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	87.00	EA	$4.96	$431.52
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.64	GM	$1,448.71	$927.17
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.64	GM	$693.74	$443.99

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $341,041.74

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	8.00 / 10.00
New Total Outside Shoulder Width L/R	12.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	2.00 / 2.00
Existing Paved Outside Shoulder Width L/R	4.00 / 8.00
New Paved Outside Shoulder Width L/R	10.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,951.41	SY	$42.51	$82,954.44
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	1,133.44	SY	$4.30	$4,873.79
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	103.90	TN	$188.86	$19,622.55
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	75.56	TN	$206.53	$15,605.41
570-1-1	PERFORMANCE TURF	377.81	SY	$6.88	$2,599.33

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount

104-10-3	SEDIMENT BARRIER	1,955.18	LF	$3.32	$6,491.20
104-11	FLOATING TURBIDITY BARRIER	16.10	LF	$15.96	$256.96
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	16.10	LF	$19.18	$308.80
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.39	AC	$57.63	$22.48
107-2	MOWING	0.39	AC	$54.82	$21.38
	Shoulder Component Total				$137,657.77

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	32.00	LF	$278.89	$8,924.48
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	$3,624.19	$7,248.38
570-1-1	PERFORMANCE TURF	65.04	SY	$6.88	$447.48
	Drainage Component Total				$21,594.58

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$543.45	$543.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	4.00	EA	$1,918.21	$7,672.84
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	4.00	EA	$58.36	$233.44
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$16,763.96

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00	LF	$24.85	$19,880.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	4.00	EA	$1,708.32	$6,833.28
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	2,400.00	LF	$6.55	$15,720.00

715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	4.00	EA	$16,000.00	$64,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	4.00	EA	$1,175.12	$4,700.48
	Subcomponent Total				$111,133.76
	Lighting Component Total				$111,133.76
Sequence 4 Total					$710,995.87

Sequence: 5 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.171 MI 900 LF

Description: Ramp C - NB on two lane section

Special Conditions: M&R and Widenign

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.170
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.24	AC	$69,069.09	$85,645.67
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	132.31	CY	$53.86	$7,126.22
	Earthwork Component Total				$92,771.89

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Existing Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 3.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,300.61	SY	$21.48	$49,417.10
285-709	OPTIONAL BASE,BASE GROUP 09	333.09	SY	$58.67	$19,542.39
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	2,400.64	SY	$7.52	$18,052.81
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	198.05	TN	$188.86	$37,403.72
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	41.26	TN	$188.86	$7,792.36
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	96.03	TN	$206.53	$19,833.08
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	24.76	TN	$206.53	$5,113.68

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	23.00	EA	$4.96	$114.08
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.68	GM	$1,448.71	$985.12
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.34	GM	$693.74	$235.87

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	15.00	TN	$492.00	$7,380.00
536-1-0	GUARDRAIL- ROADWAY, GEN/LS TL-2	450.00	LF	$31.69	$14,260.50
	Roadway Component Total				$180,130.71

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 12.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	4.00 / 12.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,466.39	SY	$42.51	$62,336.24
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	1,600.43	SY	$4.30	$6,881.85
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	77.02	TN	$188.86	$14,546.00

337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	56.01 TN	$206.53	$11,567.75
570-1-1	PERFORMANCE TURF	600.16 SY	$6.88	$4,129.10

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,070.55	LF	$3.32	$6,874.23
104-11	FLOATING TURBIDITY BARRIER	17.05	LF	$15.96	$272.12
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	17.05	LF	$19.18	$327.02
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.41	AC	$57.63	$23.63
107-2	MOWING	0.41	AC	$54.82	$22.48
	Shoulder Component Total				$111,881.85

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	32.00	LF	$278.89	$8,924.48
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	$3,624.19	$7,248.38
570-1-1	PERFORMANCE TURF	68.88	SY	$6.88	$473.89
	Drainage Component Total				$21,620.99

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$543.45	$543.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	4.00	EA	$1,918.21	$7,672.84
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	4.00	EA	$58.36	$233.44
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$16,763.96

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	5

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,000.00	LF	$24.85	$24,850.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	5.00	EA	$1,708.32	$8,541.60
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	3,000.00	LF	$6.55	$19,650.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	5.00	EA	$16,000.00	$80,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	5.00	EA	$1,175.12	$5,875.60
	Subcomponent Total				$138,917.20
	Lighting Component Total				$138,917.20

Sequence 5 Total $562,086.60

Sequence: 6 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.220 MI 1,160 LF

Description: Ramp C - NB on one lane section

Special Conditions: M&R

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	15.00 / 15.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.259
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.80	AC	$69,069.09	$55,255.27
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	188.41	CY	$53.86	$10,147.76
	Earthwork Component Total				$65,403.03

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,320.03	SY	$21.48	$49,834.24
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,933.36	SY	$7.52	$14,538.87
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	159.50	TN	$188.86	$30,123.17
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	77.33	TN	$206.53	$15,970.96

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt

Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.88	GM	$1,448.71	$1,274.86

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	21.67	TN	$492.00	$10,661.64
536-1-0	GUARDRAIL- ROADWAY, GEN/LS TL-2	650.00	LF	$31.69	$20,598.50
	Roadway Component Total				$143,002.24

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	6.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	2.00 / 2.00
Existing Paved Outside Shoulder Width L/R	2.00 / 6.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,889.54	SY	$42.51	$80,324.35
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	1,031.13	SY	$4.30	$4,433.86
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	99.25	TN	$188.86	$18,744.36
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	72.18	TN	$206.53	$14,907.34
570-1-1	PERFORMANCE TURF	515.56	SY	$6.88	$3,547.05

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,668.04	LF	$3.32	$8,857.89

104-11	FLOATING TURBIDITY BARRIER	21.97	LF	$15.96	$350.64
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	21.97	LF	$19.18	$421.38
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.53	AC	$57.63	$30.54
107-2	MOWING	0.53	AC	$54.82	$29.05
	Shoulder Component Total				$136,547.89

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	32.00	LF	$278.89	$8,924.48
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00	EA	$3,624.19	$10,872.57
570-1-1	PERFORMANCE TURF	88.76	SY	$6.88	$610.67
	Drainage Component Total				$25,381.96

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$543.45	$543.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	5.00	EA	$1,918.21	$9,591.05
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	5.00	EA	$58.36	$291.80
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$18,740.53

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	6

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,200.00	LF	$24.85	$29,820.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	6.00	EA	$1,708.32	$10,249.92
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	3,600.00	LF	$6.55	$23,580.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	6.00	EA	$16,000.00	$96,000.00

715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	6.00	EA	$1,175.12	$7,050.72
	Subcomponent Total				$166,700.64
	Lighting Component Total				$166,700.64

ARCHITECTURAL COMPONENT

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
735-74	TOLL PLAZA, SINGLE LOCATION	1.00	LS	$200,000.00	$200,000.00
	Comment: M&R EXISTING TOLL GANTRY				
	Architectural Component Total				$200,000.00

Sequence 6 Total $755,776.29

Sequence: 7 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.294 MI 1,550 LF

Description: Ramp D - SB off one lane section

Special Conditions: M&R

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	15.00 / 15.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.293
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.07	AC	$69,069.09	$73,903.93
	Earthwork Component Total				$73,903.93

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	2,583.68	SY	$7.52	$19,429.27
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	213.15	TN	$188.86	$40,255.51
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	103.35	TN	$206.53	$21,344.88

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2

Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.17	GM	$1,448.71	$1,694.99

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $82,724.65

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,147.15	SY	$42.51	$48,765.35
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	56.84	TN	$188.86	$10,734.80
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	41.34	TN	$206.53	$8,537.95
570-1-1	PERFORMANCE TURF	1,033.47	SY	$6.88	$7,110.27

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	3,565.48	LF	$3.32	$11,837.39
104-11	FLOATING TURBIDITY BARRIER	29.36	LF	$15.96	$468.59
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	29.36	LF	$19.18	$563.12
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.71	AC	$57.63	$40.92
107-2	MOWING	0.71	AC	$54.82	$38.92

Shoulder Component Total $92,998.74

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	48.00	LF	$278.89	$13,386.72
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	24.00	LF	$310.89	$7,461.36
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00	EA	$3,624.19	$10,872.57
570-1-1	PERFORMANCE TURF	118.61	SY	$6.88	$816.04
	Drainage Component Total				$32,536.69

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$543.45	$543.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	6.00	EA	$1,918.21	$11,509.26
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	6.00	EA	$58.36	$350.16
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$20,717.10

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	6

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,200.00	LF	$24.85	$29,820.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	6.00	EA	$1,708.32	$10,249.92
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	3,600.00	LF	$6.55	$23,580.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	6.00	EA	$16,000.00	$96,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	6.00	EA	$1,175.12	$7,050.72
	Subcomponent Total				$166,700.64
	Lighting Component Total				$166,700.64

ARCHITECTURAL COMPONENT

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
735-74	TOLL PLAZA, SINGLE LOCATION	1.00	LS	$200,000.00	$200,000.00
	Comment: M&R EXISTING TOLL GANTRY				

Architectural Component Total	$200,000.00
Sequence 7 Total	$669,581.75

Sequence: 8 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.191 MI 1,010 LF

Description: Ramp D - SB off two and three lane section

Special Conditions: M&R and widening

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	40.00 / 40.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.191
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.85	AC	$69,069.09	$127,777.82
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	226.35	CY	$53.86	$12,191.21
	Earthwork Component Total				$139,969.03

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	3
Existing Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	12.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	4,040.26	SY	$21.48	$86,784.78
285-709	OPTIONAL BASE,BASE GROUP 09	1,383.79	SY	$58.67	$81,186.96
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	2,693.50	SY	$7.52	$20,255.12
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	222.21	TN	$188.86	$41,966.58
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	185.18	TN	$188.86	$34,973.09
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	107.74	TN	$206.53	$22,251.54
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	111.11	TN	$206.53	$22,947.55

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	103.00	EA	$4.96	$510.88
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.77	GM	$1,448.71	$1,115.51
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.77	GM	$693.74	$534.18

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $312,526.19

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	8.00 / 12.00
New Total Outside Shoulder Width L/R	12.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	2.00 / 2.00
Existing Paved Outside Shoulder Width L/R	4.00 / 10.00
New Paved Outside Shoulder Width L/R	10.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	2,318.66	SY	$42.51	$98,566.24
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	1,571.21	SY	$4.30	$6,756.20
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	123.45	TN	$188.86	$23,314.77
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	89.78	TN	$206.53	$18,542.26
570-1-1	PERFORMANCE TURF	448.92	SY	$6.88	$3,088.57

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount

104-10-3	SEDIMENT BARRIER	2,323.15	LF	$3.32	$7,712.86
104-11	FLOATING TURBIDITY BARRIER	19.13	LF	$15.96	$305.31
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	19.13	LF	$19.18	$366.91
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.46	AC	$57.63	$26.51
107-2	MOWING	0.46	AC	$54.82	$25.22
	Shoulder Component Total				$163,606.28

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	32.00	LF	$278.89	$8,924.48
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	$3,624.19	$7,248.38
570-1-1	PERFORMANCE TURF	77.29	SY	$6.88	$531.76
	Drainage Component Total				$21,678.86

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$543.45	$543.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	4.00	EA	$1,918.21	$7,672.84
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	4.00	EA	$58.36	$233.44
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$16,763.96

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00	LF	$24.85	$19,880.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	4.00	EA	$1,708.32	$6,833.28
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	2,400.00	LF	$6.55	$15,720.00

715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	4.00	EA	$16,000.00	$64,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	4.00	EA	$1,175.12	$4,700.48
	Subcomponent Total				$111,133.76
	Lighting Component Total				$111,133.76
Sequence 8 Total					$765,678.08

Sequence: 9 WDR - Widen/Resurface, Divided, Rural **Net Length:** 0.587 MI 3,100 LF

Description: Van Dyke Rd.

Special Conditions: Widening

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	20.00 / 20.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.312
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.85	AC	$69,069.09	$196,846.91
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	209.89	CY	$53.86	$11,304.68
	Earthwork Component Total				$208,151.59

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	5
Existing Roadway Pavement Width L/R	24.00 / 24.00
Structural Spread Rate	220
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	12.00 / 0.00
Widened Inside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	330
Widened Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	10,332.96	SY	$21.48	$221,951.98
285-709	OPTIONAL BASE,BASE GROUP 09	4,246.85	SY	$58.67	$249,162.69
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	16,532.74	SY	$7.52	$124,326.20
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,818.60	TN	$188.86	$343,460.80

334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	681.98	TN	$188.86	$128,798.74
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	661.31	TN	$247.36	$163,581.64
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	165.33	TN	$247.36	$40,896.03

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	3

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	317.00	EA	$4.96	$1,572.32
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	4.70	GM	$1,448.71	$6,808.94
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	3.52	GM	$598.83	$2,107.88
	Roadway Component Total				$1,282,667.22

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	8.00 / 10.00
New Total Outside Shoulder Width L/R	8.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 5.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	3,327.21	SY	$42.51	$141,439.70
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	170.49	TN	$188.86	$32,198.74
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	124.00	TN	$247.36	$30,672.64
570-1-1	PERFORMANCE TURF	3,099.89	SY	$6.88	$21,327.24

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
350-3-1	PLAIN CEMENT CONC PAVT, 6"	1,000.00	SY	$120.03	$120,030.00
	Comment: Shared use path				

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount

104-10-3	SEDIMENT BARRIER	7,129.74	LF	$3.32	$23,670.74
104-11	FLOATING TURBIDITY BARRIER	58.71	LF	$15.96	$937.01
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	58.71	LF	$19.18	$1,126.06
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
107-1	LITTER REMOVAL	4.27	AC	$57.63	$246.08
107-2	MOWING	4.27	AC	$54.82	$234.08
	Shoulder Component Total				$376,591.59

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	40.00
Performance Turf Width	36.00
New Total Median Shoulder Width L/R	0.00 / 0.00
New Paved Median Shoulder Width L/R	0.00 / 0.00
Existing Total Median Shoulder Width L/R	0.00 / 0.00
Existing Paved Median Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
570-1-1	PERFORMANCE TURF	12,399.55	SY	$6.88	$85,308.90

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	4,000.00	LF	$49.20	$196,800.00
	Comment: median curb and gutter (lt/rt)				
	Median Component Total				$282,108.90

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	472.00	LF	$278.89	$131,636.08
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	48.00	LF	$310.89	$14,922.72
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	24.00	EA	$3,624.19	$86,980.56
570-1-1	PERFORMANCE TURF	413.32	SY	$6.88	$2,843.64
	Drainage Component Total				$236,383.00

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount

700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	2.00	EA	$543.45	$1,086.90
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	15.00	EA	$1,918.21	$28,773.15
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	2.00	EA	$348.10	$696.20
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	15.00	EA	$58.36	$875.40
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	2.00	EA	$8,985.18	$17,970.36
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	2.00	EA	$1,238.78	$2,477.56

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-2-116	MULTI- COLUMN SIGN, F&I GM, 100.1-200 SF	4.00	EA	$17,590.91	$70,363.64
700-3-105	SIGN PANEL, F&I GM, 51-100 SF	4.00	EA	$4,447.82	$17,791.28
700-3-206	SIGN PANEL, F&I OM, 101-200 SF	2.00	EA	$10,172.19	$20,344.38
700-4-114	OH STATIC SIGN STR, F&I, C 41-50 FT	2.00	EA	$182,265.02	$364,530.04
	Signing Component Total				$524,908.91

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	26

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	5,200.00	LF	$24.85	$129,220.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	26.00	EA	$1,708.32	$44,416.32
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	15,600.00	LF	$6.55	$102,180.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	26.00	EA	$16,000.00	$416,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	26.00	EA	$1,175.12	$30,553.12
	Subcomponent Total				$722,369.44
	Lighting Component Total				$722,369.44

Sequence 9 Total $3,633,180.65

Sequence: 10 MIS - Miscellaneous Construction **Net Length:** 0.000 MI 0 LF

Description: ITS

MISCELLANEOUS COMPONENT

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
ITS	ITS, MOC, 4% OF SUBTOTAL	1.00	1	$430,442.00	$430,442.00
	Miscellaneous Component Total				$430,442.00

Sequence 10 Total $430,442.00

Sequence: 11 MIS - Miscellaneous Construction **Net Length:** 0.000 MI 0 LF

Description: Landscaping

LANDSCAPING COMPONENT

User Input Data

Description	Value
Lump Sum	1,076,105.00
Cost %	0.00
Component Detail	N

Landscaping Component Total $1,076,105.00

Sequence 11 Total $1,076,105.00

Sequence: 12 MIS - Miscellaneous Construction **Net Length:** 0.000 MI 0 LF

Description: 25% Unknown

MISCELLANEOUS COMPONENT

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
25% UNKNOWN	FOR INFLATION	1.00	1	$3,150,646.00	$3,150,646.00
	Miscellaneous Component Total				$3,150,646.00

Sequence 12 Total $3,150,646.00

Date: 2/12/2025 9:32:04 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 448068-1-22-01 **Letting Date:** 01/2099

Description: PD&E WIDEN SUNCOAST PKWY(SR589) - S OF VAN DYKE RD TO SR52 (MP13-29)

District: 08 **County:** 97 TURNPIKE **Market Area:** 99 **Units:** English
Contract Class: 3 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 15.979 MI

Project Manager: SHARMA

Version 15 Project Grand Total **$16,485,839.38**
Description: Van Dyke Road

Project Sequences Subtotal **$13,500,693.70**

102-1	Maintenance of Traffic	10.00 %	$1,350,069.37
101-1	Mobilization	10.00 %	$1,485,076.31

Project Sequences Total **$16,335,839.38**

Project Unknowns	0.00 %	$0.00
Design/Build	0.00 %	$0.00

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	$150,000.00	$150,000.00

Project Non-Bid Subtotal **$150,000.00**

Version 15 Project Grand Total **$16,485,839.38**

Date: 2/12/2025 9:14:20 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 448068-1-22-01 **Letting Date:** 01/2099

Description: PD&E WIDEN SUNCOAST PKWY(SR589) - S OF VAN DYKE RD TO SR52 (MP13-29)

District: 08 **County:** 97 TURNPIKE **Market Area:** 99 **Units:** English
Contract Class: 3 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 15.979 MI

Project Manager: SHARMA

Version 5 Project Grand Total **$23,665,423.26**
Description: Lutz Lake Fern Road

Sequence: 3 NUR - New Construction, Undivided, Rural **Net Length:** 0.303 MI 1,600 LF

Description: Ramp A - One lane NB off-ramp

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	0.00 / 0.00
Incidental Clearing and Grubbing Area	14.30
Alignment Number	1
Distance	0.303
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	111.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	4 to 1 / 4 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	14.30	AC	$69,069.09	$987,687.99
120-6	EMBANKMENT	26,770.66	CY	$24.75	$662,573.84
	Earthwork Component Total				$1,650,261.83

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	275
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	4,799.52	SY	$21.48	$103,093.69
285-709	OPTIONAL BASE,BASE GROUP 09	2,783.72	SY	$58.67	$163,320.85

334-1-53	SUPERPAVE ASPH CONC, TRAF C, PG76-22	366.63	TN	$193.09	$70,792.59
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	106.66	TN	$247.36	$26,383.42

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
536-85-25	GUARDRAIL END TREAT- TRAIL AN TYPE II	1.00	EA	$536.63	$536.63

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.21	GM	$1,448.71	$1,752.94

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	53.33	TN	$492.00	$26,238.36
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	1,600.00	LF	$29.57	$47,312.00
	Roadway Component Total				$439,430.48

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	O
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,183.88	SY	$42.51	$50,326.74

334-1-12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	87.99	TN	$186.77	$16,433.89
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	9.39	TN	$247.36	$2,322.71
570-1-1	PERFORMANCE TURF	1,066.56	SY	$6.88	$7,337.93

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	4,159.00	LF	$3.32	$13,807.88
104-11	FLOATING TURBIDITY BARRIER	75.75	LF	$15.96	$1,208.97
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	75.75	LF	$19.18	$1,452.88
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
107-1	LITTER REMOVAL	0.36	AC	$57.63	$20.75
107-2	MOWING	0.36	AC	$54.82	$19.74
	Shoulder Component Total				$97,640.80

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	5.45	CY	$795.54	$4,335.69
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	13.00	EA	$3,624.19	$47,114.47
570-1-1	PERFORMANCE TURF	213.31	SY	$6.88	$1,467.57

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	248.00	LF	$278.89	$69,164.72
430-175-130	PIPE CULV, OPT MATL, ROUND, 30"S/CD	56.00	LF	$233.39	$13,069.84

Retention Basin 1

Description	Value
Size	.5 AC
Multiplier	2
Depth	6.00
Description	Expand exist ponds in infield areas (south and north sides)

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.00	AC	$27,000.00	$27,000.00
120-1	REGULAR EXCAVATION	9,680.00	CY	$104.30	$1,009,624.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	2.00	EA	$11,392.37	$22,784.74
425-2-71	MANHOLES, J-7, <10'	2.00	EA	$12,151.00	$24,302.00
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	112.00	LF	$654.39	$73,291.68
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	400.00	LF	$612.49	$244,996.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	1,200.00	LF	$81.27	$97,524.00

550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	2.00	EA	$5,256.99	$10,513.98
570-1-1	PERFORMANCE TURF	4,840.00	SY	$18.06	$87,410.40
	Drainage Component Total				$1,732,599.09

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	7.00	AS	$2,203.70	$15,425.90
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	$6,953.23	$6,953.23
	Signing Component Total				$22,379.13

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00	LF	$24.85	$19,880.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	4.00	EA	$1,708.32	$6,833.28
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	2,400.00	LF	$6.55	$15,720.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	4.00	EA	$16,000.00	$64,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	4.00	EA	$1,175.12	$4,700.48
	Subcomponent Total				$111,133.76
	Lighting Component Total				$111,133.76

LANDSCAPING COMPONENT

User Input Data

Description	Value
Cost %	10.00
Component Detail	N
Landscaping Component Total	$432,368.55

Sequence 3 Total $4,485,813.64

Sequence: 12 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.117 MI 616 LF

Description: Ramp A - Milling and Resurfacing and Shoulder Widening NB off-ramp

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.117
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.85	AC	$69,069.09	$58,708.73
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	350.06	CY	$53.86	$18,854.23
	Earthwork Component Total				$77,562.96

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	1,369.28	SY	$21.48	$29,412.13
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,026.96	SY	$7.52	$7,722.74
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	84.72	TN	$188.86	$16,000.22
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	41.08	TN	$206.53	$8,484.25

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2

Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.47	GM	$1,448.71	$680.89

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	20.87	TN	$492.00	$10,268.04
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	616.00	LF	$29.57	$18,215.12
536-85-29	GUARDRAIL END TREAT- DBL TRAIL AN	1.00	EA	$2,400.48	$2,400.48
	Roadway Component Total				$93,183.87

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,003.68	SY	$42.51	$42,666.44
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	52.72	TN	$188.86	$9,956.70
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	38.34	TN	$206.53	$7,918.36
570-1-1	PERFORMANCE TURF	410.78	SY	$6.88	$2,826.17

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,417.20	LF	$3.32	$4,705.10
104-11	FLOATING TURBIDITY BARRIER	11.67	LF	$15.96	$186.25
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	11.67	LF	$19.18	$223.83

104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.28	AC	$57.63	$16.14
107-2	MOWING	0.28	AC	$54.82	$15.35
	Shoulder Component Total				$73,415.77

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	24.00	LF	$278.89	$6,693.36
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	$310.89	$2,487.12
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	$3,624.19	$7,248.38
570-1-1	PERFORMANCE TURF	47.15	SY	$6.88	$324.39
	Drainage Component Total				$16,753.25

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$543.45	$543.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	3.00	EA	$1,918.21	$5,754.63
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	3.00	EA	$58.36	$175.08
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$14,787.39

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	3

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	600.00	LF	$24.85	$14,910.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	3.00	EA	$1,708.32	$5,124.96
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,800.00	LF	$6.55	$11,790.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	3.00	EA	$16,000.00	$48,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	3.00	EA	$1,175.12	$3,525.36
	Subcomponent Total				$83,350.32

Lighting Component Total	$83,350.32

LANDSCAPING COMPONENT

User Input Data

Description	Value
Cost %	10.00
Component Detail	N

Landscaping Component Total	$35,905.36

Sequence 12 Total	$394,958.92

Sequence: 13 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.111 MI 588 LF

Description: Ramp A - four lane portion of ramp at intersection of crossroad NB off-ramp

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.111
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.81	AC	$69,069.09	$55,945.96
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	17.37	CY	$53.86	$935.55
	Earthwork Component Total				$56,881.51

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	4
Existing Roadway Pavement Width L/R	24.00 / 12.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 12.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,091.35	SY	$21.48	$44,922.20
285-709	OPTIONAL BASE,BASE GROUP 09	805.82	SY	$58.67	$47,277.46
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	2,352.77	SY	$7.52	$17,692.83
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	194.10	TN	$188.86	$36,657.73
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	107.84	TN	$188.86	$20,366.66
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	94.11	TN	$206.53	$19,436.54
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	64.70	TN	$206.53	$13,362.49

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	3

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	75.00	EA	$4.96	$372.00
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.45	GM	$1,448.71	$651.92
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.67	GM	$693.74	$464.81
	Roadway Component Total				$201,204.64

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	8.00 / 12.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	958.10	SY	$42.51	$40,728.83
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	50.32	TN	$188.86	$9,503.44
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	36.60	TN	$206.53	$7,559.00
570-1-1	PERFORMANCE TURF	392.13	SY	$6.88	$2,697.85

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,352.84	LF	$3.32	$4,491.43
104-11	FLOATING TURBIDITY BARRIER	11.14	LF	$15.96	$177.79
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	11.14	LF	$19.18	$213.67
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.27	AC	$57.63	$15.56
107-2	MOWING	0.27	AC	$54.82	$14.80
	Shoulder Component Total				$70,303.80

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	16.00	LF	$278.89	$4,462.24
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	$310.89	$2,487.12
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	$3,624.19	$7,248.38
570-1-1	PERFORMANCE TURF	45.01	SY	$6.88	$309.67
	Drainage Component Total				$14,507.41

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$543.45	$543.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	3.00	EA	$1,918.21	$5,754.63
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	3.00	EA	$58.36	$175.08
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$14,787.39

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	3

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	600.00	LF	$24.85	$14,910.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	3.00	EA	$1,708.32	$5,124.96
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,800.00	LF	$6.55	$11,790.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	3.00	EA	$16,000.00	$48,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	3.00	EA	$1,175.12	$3,525.36
	Subcomponent Total				$83,350.32
	Lighting Component Total				$83,350.32

LANDSCAPING COMPONENT

User Input Data

Description	Value
Cost %	10.00
Component Detail	N

Landscaping Component Total	$44,103.51
Sequence 13 Total	$485,138.58

Sequence: 14 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.195 MI 1,027 LF

Description: Ramp B - Two lane portion of ramp at intersection of crossroad NB on-ramp

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.194
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.41	AC	$69,069.09	$97,387.42
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	50.46	CY	$53.86	$2,717.78
	Earthwork Component Total				$100,105.20

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Existing Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,282.13	SY	$21.48	$49,020.15
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	2,738.56	SY	$7.52	$20,593.97
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	225.93	TN	$188.86	$42,669.14
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	109.54	TN	$206.53	$22,623.30

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2

Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	26.00	EA	$4.96	$128.96
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.78	GM	$1,448.71	$1,129.99
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.39	GM	$693.74	$270.56
	Roadway Component Total				$136,436.07

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,672.80	SY	$42.51	$71,110.73
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	87.86	TN	$188.86	$16,593.24
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	63.90	TN	$206.53	$13,197.27
570-1-1	PERFORMANCE TURF	684.64	SY	$6.88	$4,710.32

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,362.01	LF	$3.32	$7,841.87
104-11	FLOATING TURBIDITY BARRIER	19.45	LF	$15.96	$310.42
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	19.45	LF	$19.18	$373.05
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.47	AC	$57.63	$27.09
107-2	MOWING	0.47	AC	$54.82	$25.77
	Shoulder Component Total				$119,091.19

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	32.00	LF	$278.89	$8,924.48

430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	$3,624.19	$7,248.38
570-1-1	PERFORMANCE TURF	78.58	SY	$6.88	$540.63
	Drainage Component Total				$21,687.73

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$543.45	$543.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	4.00	EA	$1,918.21	$7,672.84
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	4.00	EA	$58.36	$233.44
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$16,763.96

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	5

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,000.00	LF	$24.85	$24,850.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	5.00	EA	$1,708.32	$8,541.60
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	3,000.00	LF	$6.55	$19,650.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	5.00	EA	$16,000.00	$80,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	5.00	EA	$1,175.12	$5,875.60
	Subcomponent Total				$138,917.20
	Lighting Component Total				$138,917.20

LANDSCAPING COMPONENT

User Input Data

Description	Value
Cost %	10.00
Component Detail	N
Landscaping Component Total	$53,300.14

Sequence 14 Total $586,301.49

Sequence: 15 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.167 MI 883 LF

Description: Ramp B - One lane portion of ramp M&R NB on-ramp

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.167
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.21	AC	$69,069.09	$83,573.60
	Earthwork Component Total				$83,573.60

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	588.54	SY	$21.48	$12,641.84
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,471.36	SY	$7.52	$11,064.63
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	121.39	TN	$188.86	$22,925.72
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	58.85	TN	$206.53	$12,154.29

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.67	GM	$1,448.71	$970.64

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	29.77	TN	$492.00	$14,646.84
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	883.00	LF	$29.57	$26,110.31
536-85-26	GUARDRAIL END TREATMENT-TYPE CRT	1.00	EA	$3,616.29	$3,616.29
	Roadway Component Total				$104,130.56

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	0.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 2.00
Existing Paved Outside Shoulder Width L/R	2.00 / 0.00
New Paved Outside Shoulder Width L/R	0.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	424.73	SY	$42.51	$18,055.27
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	196.18	SY	$4.30	$843.57
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	21.58	TN	$188.86	$4,075.60
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	15.69	TN	$206.53	$3,240.46
570-1-1	PERFORMANCE TURF	196.18	SY	$6.88	$1,349.72

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,030.48	LF	$3.32	$6,741.19
104-11	FLOATING TURBIDITY BARRIER	16.72	LF	$15.96	$266.85
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	16.72	LF	$19.18	$320.69

104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.40	AC	$57.63	$23.05
107-2	MOWING	0.40	AC	$54.82	$21.93
	Shoulder Component Total				$39,839.76

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	32.00	LF	$278.89	$8,924.48
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	$3,624.19	$7,248.38
570-1-1	PERFORMANCE TURF	67.55	SY	$6.88	$464.74
	Drainage Component Total				$21,611.84

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$543.45	$543.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	4.00	EA	$1,918.21	$7,672.84
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	4.00	EA	$58.36	$233.44
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$16,763.96

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	5

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,000.00	LF	$24.85	$24,850.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	5.00	EA	$1,708.32	$8,541.60
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	3,000.00	LF	$6.55	$19,650.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	5.00	EA	$16,000.00	$80,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	5.00	EA	$1,175.12	$5,875.60
	Subcomponent Total				$138,917.20

Lighting Component Total	$138,917.20

LANDSCAPING COMPONENT

User Input Data

Description	Value
Cost %	10.00
Component Detail	N

Landscaping Component Total	$40,483.69

Sequence 15 Total	$445,320.61

Sequence: 16 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.284 MI 1,500 LF

Description: Ramp B - One lane portion of ramp widening, M&R NB on-ramp

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.124
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.07	AC	$69,069.09	$142,973.02
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	54.32	CY	$53.86	$2,925.68
	Earthwork Component Total				$145,898.70

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Existing Roadway Pavement Width L/R	7.50 / 0.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 7.50
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,250.07	SY	$21.48	$48,331.50
285-709	OPTIONAL BASE,BASE GROUP 09	1,305.04	SY	$58.67	$76,566.70
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,250.04	SY	$7.52	$9,400.30
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	103.13	TN	$188.86	$19,477.13
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	171.88	TN	$188.86	$32,461.26
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	50.00	TN	$206.53	$10,326.50
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	103.13	TN	$206.53	$21,299.44

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.14	GM	$1,448.71	$1,651.53

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	4.50	TN	$492.00	$2,214.00
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	125.00	LF	$29.57	$3,696.25
536-85-26	GUARDRAIL END TREATMENT-TYPE CRT	1.00	EA	$3,616.29	$3,616.29
	Roadway Component Total				$229,040.90

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	0.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 2.00
Existing Paved Outside Shoulder Width L/R	2.00 / 0.00
New Paved Outside Shoulder Width L/R	0.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	721.69	SY	$42.51	$30,679.04
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	333.34	SY	$4.30	$1,433.36
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	36.67	TN	$188.86	$6,925.50
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	26.67	TN	$206.53	$5,508.16
570-1-1	PERFORMANCE TURF	333.34	SY	$6.88	$2,293.38

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	3,450.11	LF	$3.32	$11,454.37
104-11	FLOATING TURBIDITY BARRIER	28.41	LF	$15.96	$453.42
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	28.41	LF	$19.18	$544.90
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.69	AC	$57.63	$39.76
107-2	MOWING	0.69	AC	$54.82	$37.83
	Shoulder Component Total				$64,271.15

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	48.00	LF	$278.89	$13,386.72
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	24.00	LF	$310.89	$7,461.36
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00	EA	$3,624.19	$10,872.57
570-1-1	PERFORMANCE TURF	114.78	SY	$6.88	$789.69
	Drainage Component Total				$32,510.34

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$543.45	$543.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	6.00	EA	$1,918.21	$11,509.26
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	6.00	EA	$58.36	$350.16
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$20,717.10

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00	LF	$24.85	$19,880.00

635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	4.00	EA	$1,708.32	$6,833.28
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	2,400.00	LF	$6.55	$15,720.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	4.00	EA	$16,000.00	$64,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	4.00	EA	$1,175.12	$4,700.48
	Subcomponent Total				$111,133.76
	Lighting Component Total				$111,133.76

LANDSCAPING COMPONENT

User Input Data

Description	Value
Cost %	10.00
Component Detail	N

Landscaping Component Total	$60,357.20
Sequence 16 Total	$663,929.15

Sequence: 17 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.125 MI 660 LF

Description: Ramp C - One lane portion of ramp widening, M&R SB off-ramp

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.125
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.91	AC	$69,069.09	$62,852.87
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	54.76	CY	$53.86	$2,949.37
	Earthwork Component Total				$65,802.24

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Existing Roadway Pavement Width L/R	7.50 / 0.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 7.50
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	1,430.00	SY	$21.48	$30,716.40
285-709	OPTIONAL BASE,BASE GROUP 09	574.20	SY	$58.67	$33,688.31
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	550.00	SY	$7.52	$4,136.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	45.38	TN	$188.86	$8,570.47
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	75.62	TN	$188.86	$14,281.59
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	22.00	TN	$206.53	$4,543.66
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	45.38	TN	$206.53	$9,372.33

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.50	GM	$1,448.71	$724.36

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	9.67	TN	$492.00	$4,757.64
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	290.00	LF	$29.57	$8,575.30
	Roadway Component Total				$119,366.06

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	488.40	SY	$42.51	$20,761.88
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	24.20	TN	$188.86	$4,570.41
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	17.60	TN	$206.53	$3,634.93
570-1-1	PERFORMANCE TURF	440.00	SY	$6.88	$3,027.20

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,518.00	LF	$3.32	$5,039.76

104-11	FLOATING TURBIDITY BARRIER	12.50	LF	$15.96	$199.50
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	12.50	LF	$19.18	$239.75
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.30	AC	$57.63	$17.29
107-2	MOWING	0.30	AC	$54.82	$16.45
	Shoulder Component Total				$42,408.60

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	24.00	LF	$278.89	$6,693.36
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	$310.89	$2,487.12
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	$3,624.19	$7,248.38
570-1-1	PERFORMANCE TURF	50.50	SY	$6.88	$347.44
	Drainage Component Total				$16,776.30

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$543.45	$543.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	3.00	EA	$1,918.21	$5,754.63
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	3.00	EA	$58.36	$175.08
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$14,787.39

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00	LF	$24.85	$19,880.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	4.00	EA	$1,708.32	$6,833.28
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	2,400.00	LF	$6.55	$15,720.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	4.00	EA	$16,000.00	$64,000.00

715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	4.00	EA	$1,175.12	$4,700.48
	Subcomponent Total				$111,133.76
	Lighting Component Total				$111,133.76

LANDSCAPING COMPONENT

User Input Data

Description	Value
Cost %	10.00
Component Detail	N

Landscaping Component Total	$37,027.44
Sequence 17 Total	$407,301.79

Sequence: 18 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.099 MI 520 LF

Description: Ramp C - One lane portion of ramp M&R NB off-ramp

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.099
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.71	AC	$69,069.09	$49,039.05
	Earthwork Component Total				$49,039.05

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	693.44	SY	$21.48	$14,895.09
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	866.80	SY	$7.52	$6,518.34
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	71.51	TN	$188.86	$13,505.38
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	34.67	TN	$206.53	$7,160.40

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.39	GM	$1,448.71	$565.00

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	17.33	TN	$492.00	$8,526.36
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	520.00	LF	$29.57	$15,376.40
	Roadway Component Total				$66,546.97

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	384.86	SY	$42.51	$16,360.40
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	19.07	TN	$188.86	$3,601.56
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	13.87	TN	$206.53	$2,864.57
570-1-1	PERFORMANCE TURF	346.72	SY	$6.88	$2,385.43

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,196.18	LF	$3.32	$3,971.32
104-11	FLOATING TURBIDITY BARRIER	9.85	LF	$15.96	$157.21
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	9.85	LF	$19.18	$188.92
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.24	AC	$57.63	$13.83

107-2	MOWING	0.24	AC	$54.82	$13.16
	Shoulder Component Total				$34,457.83

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	16.00	LF	$278.89	$4,462.24
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	$310.89	$2,487.12
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	1.00	EA	$3,624.19	$3,624.19
570-1-1	PERFORMANCE TURF	39.79	SY	$6.88	$273.76
	Drainage Component Total				$10,847.31

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$543.45	$543.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	2.00	EA	$1,918.21	$3,836.42
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	2.00	EA	$58.36	$116.72
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$12,810.82

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	3

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	600.00	LF	$24.85	$14,910.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	3.00	EA	$1,708.32	$5,124.96
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,800.00	LF	$6.55	$11,790.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	3.00	EA	$16,000.00	$48,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	3.00	EA	$1,175.12	$3,525.36
	Subcomponent Total				$83,350.32
	Lighting Component Total				$83,350.32

LANDSCAPING COMPONENT

User Input Data

Description	Value
Cost %	10.00
Component Detail	N

Landscaping Component Total	$25,705.23
Sequence 18 Total	$282,757.53

Sequence: 19 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.142 MI 752 LF

Description: Ramp C - two lane portion of ramp widening, M&R NB off-ramp

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.142
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.38	AC	$69,069.09	$95,315.34
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	151.90	CY	$53.86	$8,181.33
	Earthwork Component Total				$103,496.67

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 9.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,422.70	SY	$21.48	$52,039.60
285-709	OPTIONAL BASE,BASE GROUP 09	779.44	SY	$58.67	$45,729.74
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,253.12	SY	$7.52	$9,423.46
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	103.38	TN	$188.86	$19,524.35
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	103.38	TN	$188.86	$19,524.35
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	50.12	TN	$206.53	$10,351.28
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	62.03	TN	$206.53	$12,811.06

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	19.00	EA	$4.96	$94.24
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.57	GM	$1,448.71	$825.76
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.28	GM	$693.74	$194.25

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	20.73	TN	$492.00	$10,199.16
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	612.00	LF	$29.57	$18,096.84
536-85-26	GUARDRAIL END TREATMENT-TYPE CRT	1.00	EA	$3,616.29	$3,616.29
	Roadway Component Total				$202,430.38

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,224.72	SY	$42.51	$52,062.85
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	64.33	TN	$188.86	$12,149.36
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	46.78	TN	$206.53	$9,661.47
570-1-1	PERFORMANCE TURF	501.25	SY	$6.88	$3,448.60

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,729.31	LF	$3.32	$5,741.31
104-11	FLOATING TURBIDITY BARRIER	14.24	LF	$15.96	$227.27
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	14.24	LF	$19.18	$273.12
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.34	AC	$57.63	$19.59
107-2	MOWING	0.34	AC	$54.82	$18.64
	Shoulder Component Total				$88,503.64

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	24.00	LF	$278.89	$6,693.36
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	$3,624.19	$7,248.38
570-1-1	PERFORMANCE TURF	57.53	SY	$6.88	$395.81
	Drainage Component Total				$19,311.79

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$543.45	$543.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	3.00	EA	$1,918.21	$5,754.63
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	3.00	EA	$58.36	$175.08
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$14,787.39

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	5

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,000.00	LF	$24.85	$24,850.00

635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	5.00 EA	$1,708.32	$8,541.60
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	3,000.00 LF	$6.55	$19,650.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	5.00 EA	$16,000.00	$80,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	5.00 EA	$1,175.12	$5,875.60
	Subcomponent Total			$138,917.20

Lighting Component Total $138,917.20

LANDSCAPING COMPONENT

User Input Data

Description	Value
Cost %	10.00
Component Detail	N

Landscaping Component Total $56,744.71

Sequence 19 Total $624,191.78

Sequence: 20 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.104 MI 550 LF

Description: Ramp C - three lane ramp portion at intersection of crossroad M&R NB off-ramp

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	40.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.104
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.88	AC	$69,069.09	$60,780.80
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	86.44	CY	$53.86	$4,655.66
	Earthwork Component Total				$65,436.46

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	3
Existing Roadway Pavement Width L/R	24.00 / 12.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 6.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	1,589.40	SY	$21.48	$34,140.31
285-709	OPTIONAL BASE,BASE GROUP 09	386.96	SY	$58.67	$22,702.94
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	2,200.70	SY	$7.52	$16,549.26
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	181.56	TN	$188.86	$34,289.42
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	50.43	TN	$188.86	$9,524.21
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	88.03	TN	$206.53	$18,180.84
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	30.26	TN	$206.53	$6,249.60

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	56.00	EA	$4.96	$277.76
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.42	GM	$1,448.71	$608.46
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.42	GM	$693.74	$291.37

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	20.73	TN	$492.00	$10,199.16
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	612.00	LF	$29.57	$18,096.84
536-85-26	GUARDRAIL END TREATMENT-TYPE CRT	1.00	EA	$3,616.29	$3,616.29
	Roadway Component Total				$174,726.46

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	896.18	SY	$42.51	$38,096.61
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	47.07	TN	$188.86	$8,889.64
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	34.23	TN	$206.53	$7,069.52
570-1-1	PERFORMANCE TURF	366.78	SY	$6.88	$2,523.45

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,265.40	LF	$3.32	$4,201.13
104-11	FLOATING TURBIDITY BARRIER	10.42	LF	$15.96	$166.30
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	10.42	LF	$19.18	$199.86
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.25	AC	$57.63	$14.41
107-2	MOWING	0.25	AC	$54.82	$13.70
	Shoulder Component Total				$66,076.06

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	16.00	LF	$278.89	$4,462.24
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	$310.89	$2,487.12
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	$3,624.19	$7,248.38
570-1-1	PERFORMANCE TURF	42.10	SY	$6.88	$289.65
	Drainage Component Total				$14,487.39

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$543.45	$543.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	3.00	EA	$1,918.21	$5,754.63
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	3.00	EA	$58.36	$175.08
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$14,787.39

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00	LF	$24.85	$19,880.00

635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	4.00	EA	$1,708.32	$6,833.28
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	2,400.00	LF	$6.55	$15,720.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	4.00	EA	$16,000.00	$64,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	4.00	EA	$1,175.12	$4,700.48
	Subcomponent Total				$111,133.76
	Lighting Component Total				$111,133.76

LANDSCAPING COMPONENT

User Input Data

Description	Value
Cost %	10.00
Component Detail	N

Landscaping Component Total	$44,664.75
Sequence 20 Total	$491,312.27

Sequence: 21 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.129 MI 682 LF

Description: Ramp D - two lane ramp portion at intersection of crossroad M&R NB off-ramp

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.129
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.94	AC	$69,069.09	$64,924.94
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	54.74	CY	$53.86	$2,948.30
	Earthwork Component Total				$67,873.24

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Existing Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	1,515.95	SY	$21.48	$32,562.61
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,819.14	SY	$7.52	$13,679.93
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	150.08	TN	$188.86	$28,344.11
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	72.77	TN	$206.53	$15,029.19

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2

Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	17.00	EA	$4.96	$84.32
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.52	GM	$1,448.71	$753.33
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.26	GM	$693.74	$180.37

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	30.40	TN	$492.00	$14,956.80
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	892.00	LF	$29.57	$26,376.44
536-85-24	GUARDRAIL END TREATMENT-PARA APP TERM	2.00	EA	$3,672.36	$7,344.72
	Roadway Component Total				$139,311.82

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	2.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	959.59	SY	$42.51	$40,792.17
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	50.03	TN	$188.86	$9,448.67
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	36.38	TN	$206.53	$7,513.56
570-1-1	PERFORMANCE TURF	454.78	SY	$6.88	$3,128.89

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,569.00	LF	$3.32	$5,209.08

104-11	FLOATING TURBIDITY BARRIER	12.92	LF	$15.96	$206.20
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	12.92	LF	$19.18	$247.81
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.31	AC	$57.63	$17.87
107-2	MOWING	0.31	AC	$54.82	$16.99
	Shoulder Component Total				$71,482.67

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	24.00	LF	$278.89	$6,693.36
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	$3,624.19	$7,248.38
570-1-1	PERFORMANCE TURF	52.20	SY	$6.88	$359.14
	Drainage Component Total				$19,275.12

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$543.45	$543.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	3.00	EA	$1,918.21	$5,754.63
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	3.00	EA	$58.36	$175.08
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$14,787.39

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	3

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	600.00	LF	$24.85	$14,910.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	3.00	EA	$1,708.32	$5,124.96
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,800.00	LF	$6.55	$11,790.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	3.00	EA	$16,000.00	$48,000.00

715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	3.00 EA	$1,175.12	$3,525.36
	Subcomponent Total			$83,350.32
	Lighting Component Total			$83,350.32

LANDSCAPING COMPONENT

User Input Data

Description	Value
Cost %	10.00
Component Detail	N

Landscaping Component Total	$39,608.06
Sequence 21 Total	$435,688.62

Sequence: 22 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.070 MI 369 LF

Description: Ramp D - One lane portion of ramp widedning, M&R SB on-ramp

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.070
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.51	AC	$69,069.09	$35,225.24
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	31.90	CY	$53.86	$1,718.13
	Earthwork Component Total				$36,943.37

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Existing Roadway Pavement Width L/R	0.00 / 9.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	6.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	738.14	SY	$21.48	$15,855.25
285-709	OPTIONAL BASE,BASE GROUP 09	259.58	SY	$58.67	$15,229.56
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	369.07	SY	$7.52	$2,775.41
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	30.45	TN	$188.86	$5,750.79
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	33.83	TN	$188.86	$6,389.13
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	14.76	TN	$206.53	$3,048.38
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	20.30	TN	$206.53	$4,192.56

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.28	GM	$1,448.71	$405.64

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	16.20	TN	$492.00	$7,970.40
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	476.00	LF	$29.57	$14,075.32
536-85-26	GUARDRAIL END TREATMENT-TYPE CRT	1.00	EA	$3,616.29	$3,616.29
	Roadway Component Total				$79,308.73

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	273.11	SY	$42.51	$11,609.91
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	13.53	TN	$188.86	$2,555.28
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	9.84	TN	$206.53	$2,032.26
570-1-1	PERFORMANCE TURF	246.05	SY	$6.88	$1,692.82

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	848.87	LF	$3.32	$2,818.25
104-11	FLOATING TURBIDITY BARRIER	6.99	LF	$15.96	$111.56
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	6.99	LF	$19.18	$134.07
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.17	AC	$57.63	$9.80
107-2	MOWING	0.17	AC	$54.82	$9.32
	Shoulder Component Total				$25,874.70

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	16.00	LF	$278.89	$4,462.24
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	$310.89	$2,487.12
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	1.00	EA	$3,624.19	$3,624.19
570-1-1	PERFORMANCE TURF	28.24	SY	$6.88	$194.29
	Drainage Component Total				$10,767.84

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$543.45	$543.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	2.00	EA	$1,918.21	$3,836.42
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	2.00	EA	$58.36	$116.72
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$12,810.82

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	400.00	LF	$24.85	$9,940.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	2.00	EA	$1,708.32	$3,416.64
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,200.00	LF	$6.55	$7,860.00

715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	2.00 EA	$16,000.00	$32,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	2.00 EA	$1,175.12	$2,350.24
	Subcomponent Total			$55,566.88

Lighting Component Total $55,566.88

LANDSCAPING COMPONENT

User Input Data

Description	Value
Cost %	10.00
Component Detail	N

Landscaping Component Total $22,127.23

Sequence 22 Total $243,399.57

Sequence: 23 RSU - Resurfacing, Undivided **Net Length:** 0.068 MI 361 LF

Description: Crossroad M&R - two lane undivided

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	32.00 / 32.00
Structural Spread Rate	165
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	2,568.19	SY	$7.52	$19,312.79
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	211.88	TN	$188.86	$40,015.66
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	211.88	TN	$206.53	$43,759.58

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	9.00	EA	$4.96	$44.64
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.27	GM	$1,448.71	$391.15
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.14	GM	$693.74	$97.12
	Roadway Component Total				$103,620.94

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	4.00 / 4.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	4.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount

327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	321.02 SY	$4.30	$1,380.39
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	17.66 TN	$188.86	$3,335.27
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	12.84 TN	$206.53	$2,651.85

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-11	FLOATING TURBIDITY BARRIER	6.84	LF	$15.96	$109.17
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	6.84	LF	$19.18	$131.19
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.17	AC	$57.63	$9.80
107-2	MOWING	0.17	AC	$54.82	$9.32

Shoulder Component Total $7,819.12

LANDSCAPING COMPONENT

User Input Data

Description	Value
Cost %	10.00
Component Detail	N

Landscaping Component Total $11,144.01

Sequence 23 Total $122,584.07

Sequence: 24 RSD - Resurfacing, Divided **Net Length:** 0.223 MI 1,178 LF

Description: Crossroad M&R - five lane divided

Special Conditions: this segment includes a section of 346' at the end of the project limits

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ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	5
Roadway Pavement Width L/R	24.00 / 36.00
Structural Spread Rate	220
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	7,853.12	SY	$7.52	$59,055.46
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	863.84	TN	$188.86	$163,144.82
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	314.12	TN	$247.36	$77,700.72

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	3

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	120.00	EA	$4.96	$595.20
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.78	GM	$1,448.71	$2,578.70
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	1.34	GM	$598.83	$802.43
	Roadway Component Total				$303,877.33

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	10.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	1,308.85	SY	$4.30	$5,628.06

334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	71.99	TN	$188.86	$13,596.03
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	52.35	TN	$247.36	$12,949.30

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-11	FLOATING TURBIDITY BARRIER	22.31	LF	$15.96	$356.07
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	22.31	LF	$19.18	$427.91
107-1	LITTER REMOVAL	1.62	AC	$57.63	$93.36
107-2	MOWING	1.62	AC	$54.82	$88.81
	Shoulder Component Total				$33,139.54

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	29.00
Performance Turf Width	25.00
Total Median Shoulder Width L/R	0.00 / 0.00
Paved Median Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
570-1-1	PERFORMANCE TURF	3,272.13	SY	$6.88	$22,512.25
	Median Component Total				$22,512.25

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	4 Lane Mast Arm
Multiplier	1
Description	

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	$24.85	$18,637.50
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	$40.59	$10,147.50
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	$13,923.07	$13,923.07
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	$1,708.32	$27,333.12
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	$7,134.25	$7,134.25
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	$12.20	$732.00
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	4.00	EA	$96,184.80	$384,739.20

650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	12.00	AS	$1,917.46	$23,009.52
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	$1,277.10	$10,216.80
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	$766.00	$9,192.00
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	$1,793.71	$21,524.52
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	$449.78	$3,598.24
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	$49,929.96	$49,929.96
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	$294.26	$1,177.04
	Signalizations Component Total				$581,294.72

LANDSCAPING COMPONENT

User Input Data

Description	Value
Cost %	10.00
Component Detail	N

Landscaping Component Total	$94,082.38

Sequence 24 Total	$1,034,906.22

Sequence: 25 WDU - Widen/Resurface, Divided, Urban **Net Length:** 0.433 MI 2,285 LF

Description: Crossroad widen/M&R

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	25.00 / 25.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.433
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Existing Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Front Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.62	AC	$69,069.09	$180,961.02
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	6,748.64	CY	$53.86	$363,481.75
	Earthwork Component Total				$544,442.77

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	6
Existing Roadway Pavement Width L/R	36.00 / 24.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 12.00
Widened Inside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	3,702.00	SY	$21.48	$79,518.96
285-709	OPTIONAL BASE,BASE GROUP 09	3,130.70	SY	$58.67	$183,678.17
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	15,234.56	SY	$7.52	$114,563.89
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,256.85	TN	$188.86	$237,368.69
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	418.95	TN	$188.86	$79,122.90
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	609.38	TN	$206.53	$125,855.25

337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	251.37	TN	$206.53	$51,915.45

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	292.00	EA	$4.96	$1,448.32
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	3.46	GM	$1,448.71	$5,012.54
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	3.46	GM	$598.83	$2,071.95
	Roadway Component Total				$880,556.12

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	4.00 / 4.00
New Total Outside Shoulder Width L/R	16.75 / 16.75
Total Outside Shoulder Perf. Turf Width L/R	4.50 / 4.50
Sidewalk Width L/R	10.00 / 10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,285.18	LF	$49.20	$112,430.86
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,285.18	LF	$49.20	$112,430.86
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	5,078.19	SY	$81.67	$414,735.78
570-1-1	PERFORMANCE TURF	2,285.18	SY	$6.88	$15,722.04

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	4,570.37	LF	$3.32	$15,173.63
104-11	FLOATING TURBIDITY BARRIER	43.28	LF	$15.96	$690.75
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	43.28	LF	$19.18	$830.11
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	20.00	EA	$192.13	$3,842.60
107-1	LITTER REMOVAL	3.77	AC	$57.63	$217.27
107-2	MOWING	3.77	AC	$54.82	$206.67
	Shoulder Component Total				$680,989.87

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	29.00
Performance Turf Width	25.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	4,570.37	LF	$49.20	$224,862.20
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	291.00	LF	$92.12	$26,806.92
570-1-1	PERFORMANCE TURF	6,347.73	SY	$6.88	$43,672.38
	Median Component Total				$295,341.50

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-351	INLETS, CURB, TYPE P-5, <10'	16.00	EA	$9,714.08	$155,425.28
425-1-451	INLETS, CURB, TYPE J-5, <10'	5.00	EA	$12,357.67	$61,788.35
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	240.00	LF	$228.01	$54,722.40
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	72.00	LF	$310.89	$22,384.08
570-1-1	PERFORMANCE TURF	131.57	SY	$6.88	$905.20
	Drainage Component Total				$295,225.31

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	10.00	EA	$543.45	$5,434.50
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	1.00	EA	$1,918.21	$1,918.21
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	10.00	EA	$58.36	$583.60
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	1.00	EA	$8,985.18	$8,985.18
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-2-116	MULTI- COLUMN SIGN, F&I GM, 100.1-200 SF	4.00	EA	$17,590.91	$70,363.64
700-3-106	SIGN PANEL, F&I GM, 101-200 SF	4.00	EA	$8,215.86	$32,863.44
700-3-206	SIGN PANEL, F&I OM, 101-200 SF	2.00	EA	$10,172.19	$20,344.38
700-4-113	OH STATIC SIGN STR, F&I, C 31-40 FT	2.00	EA	$155,279.30	$310,558.60
	Signing Component Total				$452,638.43

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	4 Lane Mast Arm
Multiplier	1
Description	

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	$24.85	$18,637.50
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	$40.59	$10,147.50
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	$13,923.07	$13,923.07
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	$1,708.32	$27,333.12
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	$7,134.25	$7,134.25
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	$12.20	$732.00
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	4.00	EA	$96,184.80	$384,739.20
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	12.00	AS	$1,917.46	$23,009.52
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	$1,277.10	$10,216.80
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	$766.00	$9,192.00
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	$1,793.71	$21,524.52
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	$449.78	$3,598.24
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	$49,929.96	$49,929.96
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	$294.26	$1,177.04
	Signalizations Component Total				$581,294.72

LIGHTING COMPONENT

Conventional Lighting Subcomponent

Description	Value
Spacing	MIN

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,285.18	LF	$24.85	$56,786.72
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	453.57	LF	$40.59	$18,410.41
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	$1,708.32	$27,333.12
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	8,346.12	LF	$6.55	$54,667.09
715-61-342	LIGHT POLE CMPLT,STD,F&I, 40'MH,12'ARM L	16.00	EA	$10,451.34	$167,221.44
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	16.00	EA	$1,175.12	$18,801.92
	Subcomponent Total				$343,220.70
	Lighting Component Total				$343,220.70

LANDSCAPING COMPONENT

User Input Data

Description	Value
Cost %	10.00
Component Detail	N

Landscaping Component Total	$363,957.94
Sequence 25 Total	$4,437,667.36

Sequence: 26 MIS - Miscellaneous Construction **Net Length:** 0.000 MI 0 LF

Description: 25% unknown for inflation

MISCELLANEOUS COMPONENT

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
25% UNKNOWN	FOR INFLATION	1.00	1	$4,225,677.50	$4,225,677.50

Miscellaneous Component Total $4,225,677.50

Sequence 26 Total $4,225,677.50

Sequence: 27 MIS - Miscellaneous Construction **Net Length:** 0.000 MI 0 LF

Description: ITS Component

MISCELLANEOUS COMPONENT

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
ITS	ITS, MOC, 4% OF SUBTOTAL	1.00	1	$67,285.00	$67,285.00
	Miscellaneous Component Total				$67,285.00

Sequence 27 Total $67,285.00

Date: 2/12/2025 9:14:24 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 448068-1-22-01 **Letting Date:** 01/2099

Description: PD&E WIDEN SUNCOAST PKWY(SR589) - S OF VAN DYKE RD TO SR52 (MP13-29)

District: 08 **County:** 97 TURNPIKE **Market Area:** 99 **Units:** English
Contract Class: 3 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 15.979 MI

Project Manager: SHARMA

Version 5 Project Grand Total **$23,665,423.26**
Description: Lutz Lake Fern Road

Project Sequences Subtotal **$19,434,234.10**

102-1	Maintenance of Traffic	10.00 %	$1,943,423.41
101-1	Mobilization	10.00 %	$2,137,765.75

Project Sequences Total **$23,515,423.26**

Project Unknowns	0.00 %	$0.00
Design/Build	0.00 %	$0.00

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	$150,000.00	$150,000.00

Project Non-Bid Subtotal **$150,000.00**

Version 5 Project Grand Total **$23,665,423.26**

Date: 2/12/2025 10:49:22 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 448068-1-22-01 **Letting Date:** 01/2099

Description: PD&E WIDEN SUNCOAST PKWY(SR589) - S OF VAN DYKE RD TO SR52 (MP13-29)

District: 08 **County:** 97 TURNPIKE **Market Area:** 99 **Units:** English
Contract Class: 3 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 15.979 MI

Project Manager: SHARMA

Version 6 Project Grand Total **$43,495,381.10**
Description: SR 54 ALT-1 TDI

Sequence: 2 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.273 MI 1,440 LF

Description: Ramp A - SB on three lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	40.00 / 40.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.273
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.65	AC	$61,068.42	$161,831.31
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	71.54	CY	$53.86	$3,853.14
	Earthwork Component Total				$165,684.45

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	3
Existing Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	6.00 / 6.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	5,119.49	SY	$21.48	$109,966.65
285-709	OPTIONAL BASE,BASE GROUP 09	2,025.40	SY	$58.67	$118,830.22
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	3,839.62	SY	$7.52	$28,873.94
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	316.77	TN	$188.86	$59,825.18
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	263.97	TN	$188.86	$49,853.37
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	153.58	TN	$206.53	$31,718.88
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	158.38	TN	$206.53	$32,710.22

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	147.00	EA	$4.96	$729.12
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.09	GM	$1,448.71	$1,579.09
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	1.09	GM	$820.00	$893.80

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $434,980.47

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	8.00 / 12.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	2,345.37	SY	$42.51	$99,701.68
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	123.19	TN	$188.86	$23,265.66
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	89.59	TN	$206.53	$18,503.02
570-1-1	PERFORMANCE TURF	959.90	SY	$6.88	$6,604.11

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	3,311.67	LF	$3.32	$10,994.74
104-11	FLOATING TURBIDITY BARRIER	27.27	LF	$15.96	$435.23
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	27.27	LF	$19.18	$523.04
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.66	AC	$57.63	$38.04
107-2	MOWING	0.66	AC	$88.49	$58.40
	Shoulder Component Total				$165,025.35

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	40.00	LF	$278.89	$11,155.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	24.00	LF	$310.89	$7,461.36
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00	EA	$3,624.19	$10,872.57
570-1-1	PERFORMANCE TURF	110.17	SY	$6.88	$757.97
	Drainage Component Total				$30,247.50

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$533.45	$533.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	6.00	EA	$1,918.21	$11,509.26
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	6.00	EA	$58.36	$350.16
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78

Signing Component Total $20,707.10

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	8

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,600.00	LF	$24.85	$39,760.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	8.00	EA	$1,708.32	$13,666.56
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	4,800.00	LF	$6.55	$31,440.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	8.00	EA	$16,000.00	$128,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	8.00	EA	$1,175.12	$9,400.96
	Subcomponent Total				$222,267.52

Lighting Component Total $222,267.52

ARCHITECTURAL COMPONENT

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
735-74	TOLL PLAZA, SINGLE LOCATION	1.00	LS	$2,500,000.00	$2,500,000.00
	Comment: NEW TOLL GANTRY (median unit cost per CRAVE)				

Architectural Component Total $2,500,000.00

Sequence 2 Total $3,538,912.39

Sequence: 3 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.220 MI 1,160 LF

Description: Ramp A - SB on two lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.220
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.60	AC	$61,068.42	$97,709.47
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	14.20	CY	$53.86	$764.81
	Earthwork Component Total				$98,474.28

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	4.00 / 5.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	3,737.83	SY	$21.48	$80,288.59
285-709	OPTIONAL BASE,BASE GROUP 09	1,245.08	SY	$58.67	$73,048.84
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,933.36	SY	$7.52	$14,538.87
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	159.50	TN	$188.86	$30,123.17
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	159.50	TN	$188.86	$30,123.17
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	77.33	TN	$206.53	$15,970.96
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	95.70	TN	$206.53	$19,764.92

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	30.00	EA	$4.96	$148.80
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.88	GM	$1,448.71	$1,274.86
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.44	GM	$820.00	$360.80

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $265,642.98

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	8.00 / 12.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,889.54	SY	$42.51	$80,324.35
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	99.25	TN	$188.86	$18,744.36
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	72.18	TN	$206.53	$14,907.34
570-1-1	PERFORMANCE TURF	773.34	SY	$6.88	$5,320.58

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,668.04	LF	$3.32	$8,857.89
104-11	FLOATING TURBIDITY BARRIER	21.97	LF	$15.96	$350.64
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	21.97	LF	$19.18	$421.38

104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.53	AC	$57.63	$30.54
107-2	MOWING	0.53	AC	$88.49	$46.90
	Shoulder Component Total				$133,905.41

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	32.00	LF	$278.89	$8,924.48
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00	EA	$3,624.19	$10,872.57
570-1-1	PERFORMANCE TURF	88.76	SY	$6.88	$610.67
	Drainage Component Total				$25,381.96

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$533.45	$533.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	5.00	EA	$1,918.21	$9,591.05
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	5.00	EA	$58.36	$291.80
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$18,730.53

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	8

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,600.00	LF	$24.85	$39,760.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	8.00	EA	$1,708.32	$13,666.56
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	4,800.00	LF	$6.55	$31,440.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	8.00	EA	$16,000.00	$128,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	8.00	EA	$1,175.12	$9,400.96
	Subcomponent Total				$222,267.52

Lighting Component Total	$222,267.52
Sequence 3 Total	$764,402.68

Sequence: 4 NUR - New Construction, Undivided, Rural **Net Length:** 0.416 MI 2,198 LF

Description: Ramp B - NB off two lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.416
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	5.04	AC	$61,068.42	$307,784.84
120-6	EMBANKMENT	22,601.78	CY	$24.75	$559,394.06
	Earthwork Component Total				$867,178.90

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	275
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	10,746.09	SY	$21.48	$230,826.01
285-709	OPTIONAL BASE,BASE GROUP 09	6,022.70	SY	$58.67	$353,351.81
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	805.96	TN	$188.86	$152,213.61
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	483.57	TN	$206.53	$99,871.71

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount

706-1-3	RAISED PAVMT MARK, TYPE B	56.00 EA	$4.96	$277.76
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.67 GM	$1,448.71	$2,419.35
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.83 GM	$820.00	$680.60

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $839,640.85

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	3,580.40	SY	$42.51	$152,202.80
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	188.06	TN	$188.86	$35,517.01
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	282.08	TN	$206.53	$58,257.98
570-1-1	PERFORMANCE TURF	1,465.38	SY	$6.88	$10,081.81

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	5,714.97	LF	$3.32	$18,973.70
104-11	FLOATING TURBIDITY BARRIER	104.08	LF	$15.96	$1,661.12
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	104.08	LF	$19.18	$1,996.25
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
107-1	LITTER REMOVAL	5.05	AC	$57.63	$291.03
107-2	MOWING	5.05	AC	$88.49	$446.87

Shoulder Component Total $284,137.87

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount

430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	336.00	LF	$278.89	$93,707.04
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	72.00	LF	$310.89	$22,384.08
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	17.00	EA	$3,624.19	$61,611.23
570-1-1	PERFORMANCE TURF	293.08	SY	$6.88	$2,016.39
	Drainage Component Total				$179,718.74

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$533.45	$533.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	9.00	EA	$1,918.21	$17,263.89
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	1.00	EA	$8,985.18	$8,985.18
	Signing Component Total				$26,782.52

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	13

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,600.00	LF	$24.85	$64,610.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	13.00	EA	$1,708.32	$22,208.16
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	7,800.00	LF	$6.55	$51,090.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	13.00	EA	$16,000.00	$208,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	13.00	EA	$1,175.12	$15,276.56
	Subcomponent Total				$361,184.72
	Lighting Component Total				$361,184.72

ARCHITECTURAL COMPONENT

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
735-74	TOLL PLAZA, SINGLE LOCATION	1.00	LS	$2,500,000.00	$2,500,000.00
	Comment: NEW TOLL GANTRY (median unit cost per CRAVE)				
	Architectural Component Total				$2,500,000.00

Sequence 4 Total $5,058,643.60

Sequence: 5 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.221 MI 1,165 LF

Description: Ramp B - NB off six lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	0.00 / 24.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.221
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.64	AC	$61,068.42	$39,083.79
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	34.57	CY	$53.86	$1,861.94
	Earthwork Component Total				$40,945.73

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	6
Existing Roadway Pavement Width L/R	36.00 / 24.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 12.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	3,106.05	SY	$21.48	$66,717.95
285-709	OPTIONAL BASE,BASE GROUP 09	1,595.73	SY	$58.67	$93,621.48
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	7,765.12	SY	$7.52	$58,393.70
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	640.62	TN	$188.86	$120,987.49
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	213.54	TN	$188.86	$40,329.16
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	310.60	TN	$206.53	$64,148.22
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	128.12	TN	$206.53	$26,460.62

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	5

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	208.00	EA	$4.96	$1,031.68
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.88	GM	$1,448.71	$1,274.86
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	2.21	GM	$820.00	$1,812.20
	Roadway Component Total				$474,777.36

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	8.00 / 12.00
New Total Outside Shoulder Width L/R	0.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 2.00
Existing Paved Outside Shoulder Width L/R	4.00 / 0.00
New Paved Outside Shoulder Width L/R	0.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,336.89	SY	$42.51	$56,831.19
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	517.67	SY	$4.30	$2,225.98
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	71.18	TN	$188.86	$13,443.05
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	51.77	TN	$206.53	$10,692.06
570-1-1	PERFORMANCE TURF	258.84	SY	$6.88	$1,780.82

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,678.97	LF	$3.32	$8,894.18
104-11	FLOATING TURBIDITY BARRIER	22.06	LF	$15.96	$352.08
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	22.06	LF	$19.18	$423.11
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.53	AC	$57.63	$30.54
107-2	MOWING	0.53	AC	$88.49	$46.90
	Shoulder Component Total				$99,621.34

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	40.00	LF	$278.89	$11,155.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00	EA	$3,624.19	$10,872.57
570-1-1	PERFORMANCE TURF	89.12	SY	$6.88	$613.15

Retention Basin 1

Description	Value
Size	.5 AC
Multiplier	1
Depth	6.00
Description	Expand exist pond

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.50	AC	$27,000.00	$13,500.00
120-1	REGULAR EXCAVATION	4,840.00	CY	$104.30	$504,812.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	$11,392.37	$11,392.37
425-2-71	MANHOLES, J-7, <10'	1.00	EA	$12,151.00	$12,151.00
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00	LF	$654.39	$36,645.84
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	200.00	LF	$612.49	$122,498.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	600.00	LF	$81.27	$48,762.00
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	1.00	EA	$5,256.99	$5,256.99
570-1-1	PERFORMANCE TURF	2,420.00	SY	$18.06	$43,705.20
	Drainage Component Total				$826,338.96

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$533.45	$533.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	5.00	EA	$1,918.21	$9,591.05
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	5.00	EA	$58.36	$291.80
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$18,730.53

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	9

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,800.00	LF	$24.85	$44,730.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	9.00	EA	$1,708.32	$15,374.88
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	5,400.00	LF	$6.55	$35,370.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	9.00	EA	$16,000.00	$144,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	9.00	EA	$1,175.12	$10,576.08
	Subcomponent Total				$250,050.96

Lighting Component Total $250,050.96

Sequence 5 Total $1,710,464.88

Sequence: 7 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.327 MI 1,725 LF

Description: Ramp C - NB on two lane section widening

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.327
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	3.96	AC	$61,068.42	$241,830.94
	Earthwork Component Total				$241,830.94

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 9.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	5,558.26	SY	$21.48	$119,391.42
285-709	OPTIONAL BASE,BASE GROUP 09	1,788.23	SY	$58.67	$104,915.45
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	2,874.96	SY	$7.52	$21,619.70
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	237.18	TN	$188.86	$44,793.81
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	237.18	TN	$188.86	$44,793.81
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	115.00	TN	$206.53	$23,750.95
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	142.31	TN	$206.53	$29,391.28

Pavement Marking Subcomponent

Description	Value

Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	44.00	EA	$4.96	$218.24
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.31	GM	$1,448.71	$1,897.81
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.65	GM	$820.00	$533.00

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $391,305.47

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	8.00 / 12.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	2,809.79	SY	$42.51	$119,444.17
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	147.58	TN	$188.86	$27,871.96
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	107.33	TN	$206.53	$22,166.86
570-1-1	PERFORMANCE TURF	1,149.98	SY	$6.88	$7,911.86

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	3,967.44	LF	$3.32	$13,171.90
104-11	FLOATING TURBIDITY BARRIER	32.67	LF	$15.96	$521.41
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	32.67	LF	$19.18	$626.61

104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.79	AC	$57.63	$45.53
107-2	MOWING	0.79	AC	$88.49	$69.91
	Shoulder Component Total				$196,731.64

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	56.00	LF	$278.89	$15,617.84
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	24.00	LF	$310.89	$7,461.36
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	4.00	EA	$3,624.19	$14,496.76
570-1-1	PERFORMANCE TURF	131.99	SY	$6.88	$908.09
	Drainage Component Total				$38,484.05

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$533.45	$533.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	7.00	EA	$1,918.21	$13,427.47
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	7.00	EA	$58.36	$408.52
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$22,683.67

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	12

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,400.00	LF	$24.85	$59,640.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	12.00	EA	$1,708.32	$20,499.84
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	7,200.00	LF	$6.55	$47,160.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	12.00	EA	$16,000.00	$192,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	12.00	EA	$1,175.12	$14,101.44
	Subcomponent Total				$333,401.28

Lighting Component Total	$333,401.28
Sequence 7 Total	$1,224,437.05

Sequence: 8 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.162 MI 857 LF

Description: Ramp C - NB on one lane section widening

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.162
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	$61,068.42	$72,060.74
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	47.20	CY	$53.86	$2,542.19
	Earthwork Component Total				$74,602.93

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Existing Roadway Pavement Width L/R	7.50 / 1.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 6.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	1,142.59	SY	$21.48	$24,542.83
285-709	OPTIONAL BASE,BASE GROUP 09	602.72	SY	$58.67	$35,361.58
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	856.94	SY	$7.52	$6,444.19
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	70.70	TN	$188.86	$13,352.40
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	78.55	TN	$188.86	$14,834.95
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	34.28	TN	$206.53	$7,079.85
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	47.13	TN	$206.53	$9,733.76

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.65	GM	$1,448.71	$941.66

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $112,291.22

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	0.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 2.00
Existing Paved Outside Shoulder Width L/R	2.00 / 0.00
New Paved Outside Shoulder Width L/R	0.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	412.29	SY	$42.51	$17,526.45
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	190.43	SY	$4.30	$818.85
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	20.95	TN	$188.86	$3,956.62
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	15.23	TN	$206.53	$3,145.45
570-1-1	PERFORMANCE TURF	190.43	SY	$6.88	$1,310.16

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,970.97	LF	$3.32	$6,543.62
104-11	FLOATING TURBIDITY BARRIER	16.23	LF	$15.96	$259.03
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	16.23	LF	$19.18	$311.29

104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.39	AC	$57.63	$22.48
107-2	MOWING	0.39	AC	$88.49	$34.51
	Shoulder Component Total				$38,829.89

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	32.00	LF	$278.89	$8,924.48
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	$3,624.19	$7,248.38
570-1-1	PERFORMANCE TURF	65.57	SY	$6.88	$451.12
	Drainage Component Total				$21,598.22

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$533.45	$533.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	4.00	EA	$1,918.21	$7,672.84
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	4.00	EA	$58.36	$233.44
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$16,753.96

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00	LF	$24.85	$19,880.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	4.00	EA	$1,708.32	$6,833.28
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	2,400.00	LF	$6.55	$15,720.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	4.00	EA	$16,000.00	$64,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	4.00	EA	$1,175.12	$4,700.48
	Subcomponent Total				$111,133.76

Lighting Component Total	$111,133.76
Sequence 8 Total	$375,209.98

Sequence: 9 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.155 MI 820 LF

Description: Ramp D - SB off one lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.155
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.13	AC	$61,068.42	$69,007.31
	Earthwork Component Total				$69,007.31

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	1,093.31	SY	$21.48	$23,484.30
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,366.64	SY	$7.52	$10,277.13
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	112.75	TN	$188.86	$21,293.96
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	54.67	TN	$206.53	$11,291.00

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.62	GM	$1,448.71	$898.20

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $67,244.60

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	606.79	SY	$42.51	$25,794.64
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	30.07	TN	$188.86	$5,679.02
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	21.87	TN	$206.53	$4,516.81
570-1-1	PERFORMANCE TURF	546.66	SY	$6.88	$3,761.02

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,885.96	LF	$3.32	$6,261.39
104-11	FLOATING TURBIDITY BARRIER	15.53	LF	$15.96	$247.86
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	15.53	LF	$19.18	$297.87
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.38	AC	$57.63	$21.90
107-2	MOWING	0.38	AC	$88.49	$33.63

Shoulder Component Total $51,515.57

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	24.00	LF	$278.89	$6,693.36
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	$3,624.19	$7,248.38
570-1-1	PERFORMANCE TURF	62.74	SY	$6.88	$431.65
	Drainage Component Total				$19,347.63

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$533.45	$533.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	4.00	EA	$1,918.21	$7,672.84
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	4.00	EA	$58.36	$233.44
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$16,753.96

Sequence 9 Total $223,869.07

Sequence: 10 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.067 MI 354 LF

Description: Ramp D - SB off two lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.067
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.49	AC	$61,068.42	$29,923.53
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	71.67	CY	$53.86	$3,860.15
	Earthwork Component Total				$33,783.68

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 9.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	1,139.89	SY	$21.48	$24,484.84
285-709	OPTIONAL BASE,BASE GROUP 09	366.73	SY	$58.67	$21,516.05
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	589.60	SY	$7.52	$4,433.79
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	48.64	TN	$188.86	$9,186.15
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	48.64	TN	$188.86	$9,186.15
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	23.58	TN	$206.53	$4,869.98
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	29.19	TN	$206.53	$6,028.61

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	9.00	EA	$4.96	$44.64
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.27	GM	$1,448.71	$391.15
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.13	GM	$820.00	$106.60

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $80,247.96

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	576.24	SY	$42.51	$24,495.96
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	30.27	TN	$188.86	$5,716.79
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	22.01	TN	$206.53	$4,545.73
570-1-1	PERFORMANCE TURF	235.84	SY	$6.88	$1,622.58

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	813.65	LF	$3.32	$2,701.32
104-11	FLOATING TURBIDITY BARRIER	6.70	LF	$15.96	$106.93
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	6.70	LF	$19.18	$128.51

104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.16	AC	$57.63	$9.22
107-2	MOWING	0.16	AC	$88.49	$14.16
	Shoulder Component Total				$44,242.63

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	16.00	LF	$278.89	$4,462.24
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	$310.89	$2,487.12
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	1.00	EA	$3,624.19	$3,624.19
570-1-1	PERFORMANCE TURF	27.07	SY	$6.88	$186.24
	Drainage Component Total				$10,759.79

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$533.45	$533.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	2.00	EA	$1,918.21	$3,836.42
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	2.00	EA	$58.36	$116.72
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$12,800.82

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	400.00	LF	$24.85	$9,940.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	2.00	EA	$1,708.32	$3,416.64
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,200.00	LF	$6.55	$7,860.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	2.00	EA	$16,000.00	$32,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	2.00	EA	$1,175.12	$2,350.24
	Subcomponent Total				$55,566.88

Lighting Component Total	$55,566.88
Sequence 10 Total	$237,401.76

Sequence: 11 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.028 MI 146 LF

Description: Ramp D - SB off four lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.028
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.34	AC	$61,068.42	$20,763.26
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	69.43	CY	$53.86	$3,739.50
	Earthwork Component Total				$24,502.76

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	4
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	30.00 / 3.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	861.29	SY	$21.48	$18,500.51
285-709	OPTIONAL BASE,BASE GROUP 09	547.00	SY	$58.67	$32,092.49
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	243.76	SY	$7.52	$1,833.08
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	20.11	TN	$188.86	$3,797.97
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	73.74	TN	$188.86	$13,926.54
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	9.75	TN	$206.53	$2,013.67
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	44.24	TN	$206.53	$9,136.89

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	3

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	19.00	EA	$4.96	$94.24
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.11	GM	$1,448.71	$159.36
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.17	GM	$820.00	$139.40

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $81,694.15

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	238.23	SY	$42.51	$10,127.16
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	12.51	TN	$188.86	$2,362.64
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	9.10	TN	$206.53	$1,879.42
570-1-1	PERFORMANCE TURF	97.50	SY	$6.88	$670.80

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	336.39	LF	$3.32	$1,116.81
104-11	FLOATING TURBIDITY BARRIER	2.77	LF	$15.96	$44.21
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	2.77	LF	$19.18	$53.13

104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.07	AC	$57.63	$4.03
107-2	MOWING	0.07	AC	$88.49	$6.19
	Shoulder Component Total				$21,165.82

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	8.00	LF	$278.89	$2,231.12
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	$310.89	$2,487.12
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	1.00	EA	$3,624.19	$3,624.19
570-1-1	PERFORMANCE TURF	11.19	SY	$6.88	$76.99
	Drainage Component Total				$8,419.42

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$533.45	$533.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	1.00	EA	$1,918.21	$1,918.21
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	1.00	EA	$58.36	$58.36
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$10,824.25

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	200.00	LF	$24.85	$4,970.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	1.00	EA	$1,708.32	$1,708.32
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	600.00	LF	$6.55	$3,930.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	1.00	EA	$16,000.00	$16,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	1.00	EA	$1,175.12	$1,175.12
	Subcomponent Total				$27,783.44

Lighting Component Total	$27,783.44
Sequence 11 Total	$174,389.84

Sequence: 12 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.061 MI 323 LF

Description: Ramp D - SB off five lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.061
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.74	AC	$61,068.42	$45,190.63
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	205.77	CY	$53.86	$11,082.77
	Earthwork Component Total				$56,273.40

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	5
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	30.00 / 15.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,333.76	SY	$21.48	$50,129.16
285-709	OPTIONAL BASE,BASE GROUP 09	1,639.38	SY	$58.67	$96,182.42
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	538.56	SY	$7.52	$4,049.97
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	44.43	TN	$188.86	$8,391.05
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	222.16	TN	$188.86	$41,957.14
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	21.54	TN	$206.53	$4,448.66
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	133.29	TN	$206.53	$27,528.38

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	50.00	EA	$4.96	$248.00
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.24	GM	$1,448.71	$347.69
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.49	GM	$820.00	$401.80

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $233,684.27

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	526.35	SY	$42.51	$22,375.14
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	27.65	TN	$188.86	$5,221.98
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	20.11	TN	$206.53	$4,153.32
570-1-1	PERFORMANCE TURF	215.42	SY	$6.88	$1,482.09

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	743.21	LF	$3.32	$2,467.46
104-11	FLOATING TURBIDITY BARRIER	6.12	LF	$15.96	$97.68
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	6.12	LF	$19.18	$117.38

104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.15	AC	$57.63	$8.64
107-2	MOWING	0.15	AC	$88.49	$13.27
	Shoulder Component Total				$40,838.39

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	16.00	LF	$278.89	$4,462.24
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	$310.89	$2,487.12
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	1.00	EA	$3,624.19	$3,624.19
570-1-1	PERFORMANCE TURF	24.72	SY	$6.88	$170.07
	Drainage Component Total				$10,743.62

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$533.45	$533.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	2.00	EA	$1,918.21	$3,836.42
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	2.00	EA	$58.36	$116.72
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$12,800.82

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	400.00	LF	$24.85	$9,940.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	2.00	EA	$1,708.32	$3,416.64
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,200.00	LF	$6.55	$7,860.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	2.00	EA	$16,000.00	$32,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	2.00	EA	$1,175.12	$2,350.24
	Subcomponent Total				$55,566.88

Lighting Component Total	$55,566.88
Sequence 12 Total	$409,907.38

Sequence: 13 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.081 MI 429 LF

Description: Ramp D - SB off five lane section (3 ex. lanes)

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.081
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.98	AC	$61,068.42	$59,847.05
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	195.94	CY	$53.86	$10,553.33
	Earthwork Component Total				$70,400.38

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	5
Existing Roadway Pavement Width L/R	18.00 / 18.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	12.00 / 12.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,098.62	SY	$21.48	$45,078.36
285-709	OPTIONAL BASE,BASE GROUP 09	1,176.18	SY	$58.67	$69,006.48
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,717.06	SY	$7.52	$12,912.29
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	141.66	TN	$188.86	$26,753.91
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	157.40	TN	$188.86	$29,726.56
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	68.68	TN	$206.53	$14,184.48
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	94.44	TN	$206.53	$19,504.69

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	66.00	EA	$4.96	$327.36
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.33	GM	$1,448.71	$478.07
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.65	GM	$820.00	$533.00

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $218,505.20

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	699.22	SY	$42.51	$29,723.84
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	36.73	TN	$188.86	$6,936.83
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	26.71	TN	$206.53	$5,516.42
570-1-1	PERFORMANCE TURF	286.18	SY	$6.88	$1,968.92

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	987.31	LF	$3.32	$3,277.87
104-11	FLOATING TURBIDITY BARRIER	8.13	LF	$15.96	$129.75
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	8.13	LF	$19.18	$155.93

104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.20	AC	$57.63	$11.53
107-2	MOWING	0.20	AC	$88.49	$17.70
	Shoulder Component Total				$52,640.22

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	16.00	LF	$278.89	$4,462.24
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	$310.89	$2,487.12
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	1.00	EA	$3,624.19	$3,624.19
570-1-1	PERFORMANCE TURF	32.85	SY	$6.88	$226.01
	Drainage Component Total				$10,799.56

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$533.45	$533.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	2.00	EA	$1,918.21	$3,836.42
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	2.00	EA	$58.36	$116.72
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$12,800.82

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	400.00	LF	$24.85	$9,940.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	2.00	EA	$1,708.32	$3,416.64
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,200.00	LF	$6.55	$7,860.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	2.00	EA	$16,000.00	$32,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	2.00	EA	$1,175.12	$2,350.24
	Subcomponent Total				$55,566.88

Lighting Component Total	$55,566.88
Sequence 13 Total	$420,713.06

Sequence: 14 WDR - Widen/Resurface, Divided, Rural **Net Length:** 0.135 MI 710 LF

Description: cross road suburban section (begin project)

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	20.00 / 20.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.134
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.65	AC	$61,068.42	$39,694.47
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	796.62	CY	$53.86	$42,905.95
	Earthwork Component Total				$82,600.42

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	6
Existing Roadway Pavement Width L/R	36.00 / 36.00
Structural Spread Rate	220
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	19.00 / 12.00
Widened Inside Pavement Width L/R	0.00 / 12.00
Widened Structural Spread Rate	330
Widened Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	4,971.12	SY	$21.48	$106,779.66
285-709	OPTIONAL BASE,BASE GROUP 09	3,471.10	SY	$58.67	$203,649.44
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	5,681.28	SY	$7.52	$42,723.23
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	624.94	TN	$188.86	$118,026.17
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	559.84	TN	$188.86	$105,731.38

337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	227.25	TN	$247.36	$56,212.56
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	135.72	TN	$247.36	$33,571.70

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	91.00	EA	$4.96	$451.36
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.08	GM	$1,448.71	$1,564.61
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	1.08	GM	$598.83	$646.74
	Roadway Component Total				$669,356.85

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	10.00 / 10.00
New Total Outside Shoulder Width L/R	10.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	5.00 / 5.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	841.15	SY	$42.51	$35,757.29
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	43.40	TN	$188.86	$8,196.52
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	31.56	TN	$247.36	$7,806.68
570-1-1	PERFORMANCE TURF	789.07	SY	$6.88	$5,428.80

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,633.37	LF	$3.32	$5,422.79
104-11	FLOATING TURBIDITY BARRIER	13.45	LF	$15.96	$214.66
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	13.45	LF	$19.18	$257.97
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
107-1	LITTER REMOVAL	0.98	AC	$57.63	$56.48

107-2	MOWING	0.98 AC	$88.49	$86.72
	Shoulder Component Total			$67,937.21

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	40.00
Performance Turf Width	36.00
New Total Median Shoulder Width L/R	0.00 / 0.00
New Paved Median Shoulder Width L/R	0.00 / 0.00
Existing Total Median Shoulder Width L/R	0.00 / 0.00
Existing Paved Median Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
570-1-1	PERFORMANCE TURF	2,840.64	SY	$6.88	$19,543.60

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,164.00	LF	$49.20	$57,268.80
	Comment: median curb and gutter (lt/rt)				
	Median Component Total				$76,812.40

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	112.00	LF	$278.89	$31,235.68
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	6.00	EA	$3,624.19	$21,745.14
570-1-1	PERFORMANCE TURF	94.69	SY	$6.88	$651.47
	Drainage Component Total				$58,606.53

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$533.45	$533.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	4.00	EA	$1,918.21	$7,672.84
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	4.00	EA	$58.36	$233.44

700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	1.00	EA	$8,985.18	$8,985.18
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$19,011.79

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	6 Lane Mast Arm
Multiplier	1
Description	

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	700.00	LF	$24.85	$17,395.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	300.00	LF	$40.59	$12,177.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	$13,923.07	$13,923.07
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	22.00	EA	$1,708.32	$37,583.04
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	$7,134.25	$7,134.25
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	$12.20	$732.00
641-2-11	PREST CNC POLE,F&I,TYP P-II,PEDESTAL	1.00	EA	$2,478.21	$2,478.21
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	6.00	EA	$114,308.63	$685,851.78
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	20.00	AS	$1,917.46	$38,349.20
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	$1,277.10	$10,216.80
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	20.00	EA	$766.00	$15,320.00
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	20.00	AS	$1,793.71	$35,874.20
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	$449.78	$3,598.24
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	$49,929.96	$49,929.96
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	$294.26	$1,177.04
	Signalizations Component Total				$931,739.79

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00	LF	$24.85	$19,880.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	4.00	EA	$1,708.32	$6,833.28
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	2,400.00	LF	$6.55	$15,720.00

715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	4.00 EA	$16,000.00	$64,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	4.00 EA	$1,175.12	$4,700.48
	Subcomponent Total			$111,133.76
	Lighting Component Total			$111,133.76

Sequence 14 Total $2,017,198.75

Sequence: 15 WDU - Widen/Resurface, Divided, Urban **Net Length:** 0.208 MI 1,099 LF

Description: cross road urban section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	25.00 / 25.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.208
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Existing Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Front Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.26	AC	$61,068.42	$76,946.21
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	148.06	CY	$53.86	$7,974.51
	Earthwork Component Total				$84,920.72

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	6
Existing Roadway Pavement Width L/R	60.00 / 60.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	12.00 / 12.00
Widened Inside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	3,560.01	SY	$21.48	$76,469.01
285-709	OPTIONAL BASE,BASE GROUP 09	3,010.62	SY	$58.67	$176,633.08
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	14,650.24	SY	$7.52	$110,169.80
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,208.64	TN	$188.86	$228,263.75
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	402.88	TN	$188.86	$76,087.92
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	586.01	TN	$206.53	$121,028.65

337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	241.73	TN	$206.53	$49,924.50

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	140.00	EA	$4.96	$694.40
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.66	GM	$1,448.71	$2,404.86
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	1.66	GM	$598.83	$994.06
	Roadway Component Total				$842,670.03

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	17.50 / 17.50
New Total Outside Shoulder Width L/R	17.25 / 17.25
Total Outside Shoulder Perf. Turf Width L/R	5.00 / 5.00
Sidewalk Width L/R	10.00 / 10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,098.77	LF	$49.20	$54,059.48
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,098.77	LF	$49.20	$54,059.48
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	2,441.71	SY	$81.67	$199,414.46
570-1-1	PERFORMANCE TURF	1,220.85	SY	$6.88	$8,399.45

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,197.54	LF	$3.32	$7,295.83
104-11	FLOATING TURBIDITY BARRIER	20.81	LF	$15.96	$332.13
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	20.81	LF	$19.18	$399.14
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	10.00	EA	$192.13	$1,921.30
107-1	LITTER REMOVAL	1.81	AC	$57.63	$104.31
107-2	MOWING	1.81	AC	$88.49	$160.17
	Shoulder Component Total				$330,855.05

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	22.00
Performance Turf Width	5.34

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,197.54	LF	$49.20	$108,118.97
570-1-1	PERFORMANCE TURF	651.94	SY	$6.88	$4,485.35
	Median Component Total				$112,604.32

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-351	INLETS, CURB, TYPE P-5, <10'	8.00	EA	$9,714.08	$77,712.64
425-1-451	INLETS, CURB, TYPE J-5, <10'	3.00	EA	$12,357.67	$37,073.01
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	120.00	LF	$228.01	$27,361.20
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	40.00	LF	$310.89	$12,435.60
570-1-1	PERFORMANCE TURF	63.26	SY	$6.88	$435.23
	Drainage Component Total				$155,017.68

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	5.00	EA	$533.45	$2,667.25
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	1.00	EA	$1,918.21	$1,918.21
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	5.00	EA	$58.36	$291.80
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	1.00	EA	$8,985.18	$8,985.18
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-2-116	MULTI- COLUMN SIGN, F&I GM, 100.1-200 SF	2.00	EA	$17,590.91	$35,181.82
700-3-206	SIGN PANEL, F&I OM, 101-200 SF	4.00	EA	$10,172.19	$40,688.76
700-4-114	OH STATIC SIGN STR, F&I, C 41-50 FT	4.00	EA	$182,265.02	$729,060.08
	Signing Component Total				$820,379.98

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	6 Lane Mast Arm
Multiplier	1
Description	

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	700.00	LF	$24.85	$17,395.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	300.00	LF	$40.59	$12,177.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	$13,923.07	$13,923.07
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	22.00	EA	$1,708.32	$37,583.04
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	$7,134.25	$7,134.25
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	$12.20	$732.00
641-2-11	PREST CNC POLE,F&I,TYP P-II,PEDESTAL	1.00	EA	$2,478.21	$2,478.21
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	6.00	EA	$114,308.63	$685,851.78
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	20.00	AS	$1,917.46	$38,349.20
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	$1,277.10	$10,216.80
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	20.00	EA	$766.00	$15,320.00
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	20.00	AS	$1,793.71	$35,874.20
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	$449.78	$3,598.24
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	$49,929.96	$49,929.96
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	$294.26	$1,177.04
	Signalizations Component Total				$931,739.79

LIGHTING COMPONENT

Conventional Lighting Subcomponent

Description	Value
Spacing	MIN

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,098.77	LF	$24.85	$27,304.43
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	218.09	LF	$40.59	$8,852.27
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	8.00	EA	$1,708.32	$13,666.56
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	4,013.00	LF	$6.55	$26,285.15
715-61-342	LIGHT POLE CMPLT,STD,F&I, 40'MH,12'ARM L	8.00	EA	$10,451.34	$83,610.72
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	8.00	EA	$1,175.12	$9,400.96
	Subcomponent Total				$169,120.10
	Lighting Component Total				$169,120.09

Sequence 15 Total	$3,447,307.66

Sequence: 16 WDU - Widen/Resurface, Divided, Urban **Net Length:** 0.099 MI 521 LF

Description: cross road urban section (under turnpike)

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	25.00 / 25.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.099
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Existing Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Front Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.60	AC	$61,068.42	$36,641.05
	Earthwork Component Total				$36,641.05

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	6
Existing Roadway Pavement Width L/R	72.00 / 60.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Inside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	7,643.33	SY	$7.52	$57,477.84
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	630.57	TN	$188.86	$119,089.45
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	305.73	TN	$206.53	$63,142.42

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4

Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	67.00	EA	$4.96	$332.32
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.79	GM	$1,448.71	$1,144.48
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.79	GM	$598.83	$473.08
	Roadway Component Total				$241,659.59

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	16.50 / 16.50
New Total Outside Shoulder Width L/R	16.25 / 16.25
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 4.00
Sidewalk Width L/R	10.00 / 10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	521.14	LF	$49.20	$25,640.09
520-1-10	CONCRETE CURB & GUTTER, TYPE F	521.14	LF	$49.20	$25,640.09
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	1,158.08	SY	$81.67	$94,580.39
570-1-1	PERFORMANCE TURF	463.23	SY	$6.88	$3,187.02

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,042.27	LF	$3.32	$3,460.34
104-11	FLOATING TURBIDITY BARRIER	9.87	LF	$15.96	$157.53
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	9.87	LF	$19.18	$189.31
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	5.00	EA	$192.13	$960.65
107-1	LITTER REMOVAL	0.86	AC	$57.63	$49.56
107-2	MOWING	0.86	AC	$88.49	$76.10
	Shoulder Component Total				$158,650.38

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-351	INLETS, CURB, TYPE P-5, <10'	4.00	EA	$9,714.08	$38,856.32
425-1-451	INLETS, CURB, TYPE J-5, <10'	1.00	EA	$12,357.67	$12,357.67
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	56.00	LF	$228.01	$12,768.56

430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
570-1-1	PERFORMANCE TURF	30.00	SY	$6.88	$206.40
	Drainage Component Total				$69,163.19

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	3.00	EA	$533.45	$1,600.35
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	1.00	EA	$1,918.21	$1,918.21
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	3.00	EA	$58.36	$175.08
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	1.00	EA	$8,985.18	$8,985.18
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$14,265.70

LIGHTING COMPONENT

Conventional Lighting Subcomponent

Description	Value
Spacing	MAX

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	521.14	LF	$24.85	$12,950.33
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	68.00	LF	$40.59	$2,760.12
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	3.00	EA	$1,708.32	$5,124.96
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,767.42	LF	$6.55	$11,576.60
715-61-342	LIGHT POLE CMPLT,STD,F&I, 40'MH,12'ARM L	3.00	EA	$10,451.34	$31,354.02
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	3.00	EA	$1,175.12	$3,525.36
	Subcomponent Total				$67,291.39
	Lighting Component Total				$67,291.39

Sequence 16 Total $587,671.30

Sequence: 17 WDU - Widen/Resurface, Divided, Urban **Net Length:** 0.224 MI 1,185 LF

Description: cross road urban section (end project)

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	25.00 / 25.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.224
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Existing Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Front Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.36	AC	$61,068.42	$83,053.05
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	434.54	CY	$53.86	$23,404.32
	Earthwork Component Total				$106,457.37

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	6
Existing Roadway Pavement Width L/R	60.00 / 60.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	12.00 / 12.00
Widened Inside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	3,838.86	SY	$21.48	$82,458.71
285-709	OPTIONAL BASE,BASE GROUP 09	3,246.44	SY	$58.67	$190,468.63
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	15,797.76	SY	$7.52	$118,799.16
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,303.32	TN	$188.86	$246,145.02
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	434.44	TN	$188.86	$82,048.34
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	631.91	TN	$206.53	$130,508.37

337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	260.66	TN	$206.53	$53,834.11

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	151.00	EA	$4.96	$748.96
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.80	GM	$1,448.71	$2,607.68
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	1.80	GM	$598.83	$1,077.89
	Roadway Component Total				$908,696.87

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	17.00 / 17.00
New Total Outside Shoulder Width L/R	17.25 / 17.25
Total Outside Shoulder Perf. Turf Width L/R	5.00 / 5.00
Sidewalk Width L/R	10.00 / 10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,184.83	LF	$49.20	$58,293.64
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,184.83	LF	$49.20	$58,293.64
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	2,632.96	SY	$81.67	$215,033.84
570-1-1	PERFORMANCE TURF	1,316.48	SY	$6.88	$9,057.38

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,369.66	LF	$3.32	$7,867.27
104-11	FLOATING TURBIDITY BARRIER	22.44	LF	$15.96	$358.14
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	22.44	LF	$19.18	$430.40
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	11.00	EA	$192.13	$2,113.43
107-1	LITTER REMOVAL	1.96	AC	$57.63	$112.95
107-2	MOWING	1.96	AC	$88.49	$173.44
	Shoulder Component Total				$356,443.43

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	22.00
Performance Turf Width	5.34

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,369.66	LF	$49.20	$116,587.27
570-1-1	PERFORMANCE TURF	703.00	SY	$6.88	$4,836.64
	Median Component Total				$121,423.91

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-351	INLETS, CURB, TYPE P-5, <10'	9.00	EA	$9,714.08	$87,426.72
425-1-451	INLETS, CURB, TYPE J-5, <10'	3.00	EA	$12,357.67	$37,073.01
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	128.00	LF	$228.01	$29,185.28
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	40.00	LF	$310.89	$12,435.60
570-1-1	PERFORMANCE TURF	68.22	SY	$6.88	$469.35
	Drainage Component Total				$166,589.96

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	5.00	EA	$533.45	$2,667.25
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	1.00	EA	$1,918.21	$1,918.21
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	5.00	EA	$58.36	$291.80
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	1.00	EA	$8,985.18	$8,985.18
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$15,449.32

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	6 Lane Mast Arm
Multiplier	2
Description	

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,400.00	LF	$24.85	$34,790.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	600.00	LF	$40.59	$24,354.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	2.00	PI	$13,923.07	$27,846.14
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	44.00	EA	$1,708.32	$75,166.08
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	2.00	AS	$7,134.25	$14,268.50
639-2-1	ELECTRICAL SERVICE WIRE, F&I	120.00	LF	$12.20	$1,464.00
641-2-11	PREST CNC POLE,F&I,TYP P-II,PEDESTAL	2.00	EA	$2,478.21	$4,956.42
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	12.00	EA	$114,308.63	$1,371,703.56
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	40.00	AS	$1,917.46	$76,698.40
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	16.00	AS	$1,277.10	$20,433.60
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	40.00	EA	$766.00	$30,640.00
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	40.00	AS	$1,793.71	$71,748.40
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	16.00	EA	$449.78	$7,196.48
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	2.00	AS	$49,929.96	$99,859.92
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	8.00	EA	$294.26	$2,354.08
	Signalizations Component Total				$1,863,479.58

LIGHTING COMPONENT

Conventional Lighting Subcomponent

Description	Value
Spacing	MIN

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,184.83	LF	$24.85	$29,443.03
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	235.17	LF	$40.59	$9,545.55
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	8.00	EA	$1,708.32	$13,666.56
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	4,327.33	LF	$6.55	$28,344.01
715-61-342	LIGHT POLE CMPLT,STD,F&I, 40'MH,12'ARM L	8.00	EA	$10,451.34	$83,610.72
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	8.00	EA	$1,175.12	$9,400.96
	Subcomponent Total				$174,010.83
	Lighting Component Total				$174,010.83

Sequence 17 Total $3,712,551.27

Sequence: 18 WDU - Widen/Resurface, Divided, Urban **Net Length:** 0.049 MI 260 LF

Description: crossings blvd

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	12.00 / 0.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.049
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Existing Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Front Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.07	AC	$61,068.42	$4,274.79
120-1	REGULAR EXCAVATION	400.35	CY	$104.30	$41,756.50
	Earthwork Component Total				$46,031.30

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	6
Existing Roadway Pavement Width L/R	36.00 / 36.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Inside Pavement Width L/R	0.00 / 12.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	420.84	SY	$21.48	$9,039.64
285-709	OPTIONAL BASE,BASE GROUP 09	355.89	SY	$58.67	$20,880.07
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	2,078.21	SY	$7.52	$15,628.14
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	171.45	TN	$188.86	$32,380.05
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	47.63	TN	$188.86	$8,995.40
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	83.13	TN	$206.53	$17,168.84
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	28.58	TN	$206.53	$5,902.63

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	33.00	EA	$4.96	$163.68
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.39	GM	$1,448.71	$565.00
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.39	GM	$598.83	$233.54
	Roadway Component Total				$110,956.99

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	0.00 / 0.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Sidewalk Width L/R	0.00 / 0.00

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	519.55	LF	$3.32	$1,724.91
104-11	FLOATING TURBIDITY BARRIER	4.92	LF	$15.96	$78.52
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	4.92	LF	$19.18	$94.37
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	3.00	EA	$192.13	$576.39
107-1	LITTER REMOVAL	0.43	AC	$57.63	$24.78
107-2	MOWING	0.43	AC	$88.49	$38.05
	Shoulder Component Total				$7,246.32

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	22.00
Performance Turf Width	5.34

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	519.55	LF	$49.20	$25,561.86
570-1-1	PERFORMANCE TURF	154.13	SY	$6.88	$1,060.41

	Median Component Total	$26,622.27

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-351	INLETS, CURB, TYPE P-5, <10'	2.00	EA	$9,714.08	$19,428.16
425-1-451	INLETS, CURB, TYPE J-5, <10'	1.00	EA	$12,357.67	$12,357.67
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	32.00	LF	$228.01	$7,296.32
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	$310.89	$2,487.12
570-1-1	PERFORMANCE TURF	14.96	SY	$6.88	$102.92
	Drainage Component Total				$41,672.19

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	2.00	EA	$533.45	$1,066.90
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	1.00	EA	$1,918.21	$1,918.21
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	2.00	EA	$58.36	$116.72
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	1.00	EA	$8,985.18	$8,985.18
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$13,673.89

Sequence 18 Total	$246,202.96

Sequence: 19 WDU - Widen/Resurface, Divided, Urban **Net Length:** 0.095 MI 501 LF

Description: northpointe parkway

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	12.00 / 0.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.095
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Existing Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Front Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.14	AC	$61,068.42	$8,549.58
120-1	REGULAR EXCAVATION	776.18	CY	$104.30	$80,955.57
	Earthwork Component Total				$89,505.15

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	6
Existing Roadway Pavement Width L/R	36.00 / 36.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Inside Pavement Width L/R	0.00 / 12.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	811.74	SY	$21.48	$17,436.18
285-709	OPTIONAL BASE,BASE GROUP 09	686.47	SY	$58.67	$40,275.19
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	4,008.58	SY	$7.52	$30,144.52
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	330.71	TN	$188.86	$62,457.89
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	91.86	TN	$188.86	$17,348.68
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	160.34	TN	$206.53	$33,115.02
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	55.12	TN	$206.53	$11,383.93

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	64.00	EA	$4.96	$317.44
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.76	GM	$1,448.71	$1,101.02
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.76	GM	$598.83	$455.11
	Roadway Component Total				$214,034.98

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	0.00 / 0.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Sidewalk Width L/R	0.00 / 0.00

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,002.14	LF	$3.32	$3,327.10
104-11	FLOATING TURBIDITY BARRIER	9.49	LF	$15.96	$151.46
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	9.49	LF	$19.18	$182.02
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	5.00	EA	$192.13	$960.65
107-1	LITTER REMOVAL	0.83	AC	$57.63	$47.83
107-2	MOWING	0.83	AC	$88.49	$73.45
	Shoulder Component Total				$9,451.81

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	22.00
Performance Turf Width	5.34

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,002.14	LF	$49.20	$49,305.29
570-1-1	PERFORMANCE TURF	297.30	SY	$6.88	$2,045.42

	Median Component Total	$51,350.71

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-351	INLETS, CURB, TYPE P-5, <10'	4.00	EA	$9,714.08	$38,856.32
425-1-451	INLETS, CURB, TYPE J-5, <10'	1.00	EA	$12,357.67	$12,357.67
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	56.00	LF	$228.01	$12,768.56
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
570-1-1	PERFORMANCE TURF	28.85	SY	$6.88	$198.49

	Drainage Component Total	$69,155.28

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	3.00	EA	$533.45	$1,600.35
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	1.00	EA	$1,918.21	$1,918.21
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	3.00	EA	$58.36	$175.08
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	1.00	EA	$8,985.18	$8,985.18
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78

	Signing Component Total	$14,265.70

Sequence 19 Total	$447,763.63

Sequence: 20 MIS - Miscellaneous Construction **Net Length:** 0.000 MI 0 LF

Description: ITS, MOC, 4% of subtotal

MISCELLANEOUS COMPONENT

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
ITS	ITS, MOC, 4% OF SUBTOTAL	1.00	1	$1,129,977.00	$1,129,977.00
	Miscellaneous Component Total				$1,129,977.00

Sequence 20 Total $1,129,977.00

Sequence: 21 MIS - Miscellaneous Construction **Net Length:** 0.000 MI 0 LF

Description: Landspacing

LANDSCAPING COMPONENT

User Input Data

Description	Value
Lump Sum	2,824,943.00
Cost %	0.00
Component Detail	N

Landscaping Component Total $2,824,943.00

Sequence 21 Total $2,824,943.00

Sequence: 22 MIS - Miscellaneous Construction **Net Length:** 0.000 MI 0 LF

Description: 25% Unknown

MISCELLANEOUS COMPONENT

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
25% UNKNOWN	FOR INFLATION	1.00	1	$7,270,661.75	$7,270,661.75
	Miscellaneous Component Total				$7,270,661.75

Sequence 22 Total $7,270,661.75

Date: 2/12/2025 10:49:26 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 448068-1-22-01 **Letting Date:** 01/2099

Description: PD&E WIDEN SUNCOAST PKWY(SR589) - S OF VAN DYKE RD TO SR52 (MP13-29)

District: 08 **County:** 97 TURNPIKE **Market Area:** 99 **Units:** English
Contract Class: 3 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 15.979 MI

Project Manager: SHARMA

Version 6 Project Grand Total **$43,495,381.10**
Description: SR 54 ALT-1 TDI

Project Sequences Subtotal **$35,822,629.01**

102-1	Maintenance of Traffic	10.00 %	$3,582,262.90
101-1	Mobilization	10.00 %	$3,940,489.19

Project Sequences Total **$43,345,381.10**

Project Unknowns	0.00 %	$0.00
Design/Build	0.00 %	$0.00

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	$150,000.00	$150,000.00

Project Non-Bid Subtotal **$150,000.00**

Version 6 Project Grand Total **$43,495,381.10**

Date: 2/11/2025 7:01:25 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 448068-1-22-01 **Letting Date:** 01/2099

Description: PD&E WIDEN SUNCOAST PKWY(SR589) - S OF VAN DYKE RD TO SR52 (MP13-29)

District: 08 **County:** 97 TURNPIKE **Market Area:** 99 **Units:** English
Contract Class: 3 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 15.979 MI

Project Manager: SHARMA

Version 12 Project Grand Total **$43,914,869.49**
Description: Rangeland Road (New Interchange)

Sequence: 1 NUR - New Construction, Undivided, Rural **Net Length:** 0.833 MI 4,400 LF

Description: Ramp - A NB off ramp two lane section (Includes 4th lane and Aux. lane from SR 54)

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.830
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	10.10 AC	$26,887.21	$271,560.82
120-6	EMBANKMENT	45,094.90 CY	$42.51	$1,916,984.20
	Earthwork Component Total			$2,188,545.02

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	275
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	21,510.25 SY	$21.48	$462,040.17
285-709	OPTIONAL BASE,BASE GROUP 09	12,055.52 SY	$58.67	$707,297.36

334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,613.27	TN	$188.86	$304,682.17
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	967.96	TN	$206.53	$199,912.78

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	112.00	EA	$6.70	$750.40
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	3.33	GM	$1,242.40	$4,137.19
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	1.67	GM	$566.11	$945.40
	Roadway Component Total				$1,679,765.48

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	7,166.82	SY	$40.07	$287,174.48
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	376.43	TN	$188.86	$71,092.57
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	564.64	TN	$206.53	$116,615.10
570-1-1	PERFORMANCE TURF	2,933.22	SY	$6.82	$20,004.56

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	11,439.54	LF	$5.59	$63,947.03
104-11	FLOATING TURBIDITY BARRIER	208.32	LF	$15.96	$3,324.79
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	208.32	LF	$19.18	$3,995.58
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
107-1	LITTER REMOVAL	10.10	AC	$159.61	$1,612.06
107-2	MOWING	10.10	AC	$424.57	$4,288.16

	Shoulder Component Total	$576,763.62

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	672.00	LF	$278.89	$187,414.08
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	144.00	LF	$310.89	$44,768.16
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	34.00	EA	$3,624.19	$123,222.46
570-1-1	PERFORMANCE TURF	586.64	SY	$18.06	$10,594.72

Retention Basin 1

Description	Value
Size	2 AC
Multiplier	1
Depth	3.00
Description	

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.00	AC	$297,240.40	$594,480.80
120-1	REGULAR EXCAVATION	9,680.00	CY	$104.30	$1,009,624.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	$11,392.37	$11,392.37
425-2-71	MANHOLES, J-7, <10'	1.00	EA	$12,194.25	$12,194.25
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00	LF	$654.39	$36,645.84
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	200.00	LF	$612.49	$122,498.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	1,180.00	LF	$81.27	$95,898.60
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	1.00	EA	$5,001.92	$5,001.92
570-1-1	PERFORMANCE TURF	9,680.00	SY	$18.06	$174,820.80

	Drainage Component Total	$2,428,556.00

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	2.00	EA	$749.92	$1,499.84
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	17.00	EA	$2,387.48	$40,587.16
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	2.00	EA	$11,326.06	$22,652.12

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-4-114	OH STATIC SIGN STR, F&I, C 41-50 FT	2.00	EA	$152,433.94	$304,867.88
700-4-126	OH STATIC SIGN STR, F&I, S 101-150 FT	1.00	EA	$350,000.00	$350,000.00

	Signing Component Total	$719,607.00

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

Description of Work

ITS, MOC, 4% OF SUBTOTAL

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
ITS	4%	1.00	1	$336,000.00	$336,000.00
	Intelligent Traffic System (ITS) Component Total				$336,000.00

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	17

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	3,400.00	LF	$25.12	$85,408.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	17.00	EA	$1,771.59	$30,117.03
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	10,200.00	LF	$6.55	$66,810.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	17.00	EA	$16,000.00	$272,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	17.00	EA	$1,175.12	$19,977.04
	Subcomponent Total				$474,312.07
	Lighting Component Total				$474,312.07

LANDSCAPING COMPONENT

User Input Data

Description	Value
Cost %	10.00
Component Detail	N

	Landscaping Component Total	$1,025,830.53

ARCHITECTURAL COMPONENT

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
735-74	TOLL PLAZA, SINGLE LOCATION	1.00	LS	$1,500,000.00	$1,500,000.00
	Comment: NEW TOLL GANTRY				
	Architectural Component Total				$1,500,000.00

Sequence 1 Total	$10,929,379.72

Sequence: 2 NUR - New Construction, Undivided, Rural **Net Length:** 0.104 MI 547 LF

Description: Ramp - A NB off ramp four lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.104
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.26	AC	$26,887.21	$33,877.88
120-6	EMBANKMENT	7,060.26	CY	$42.51	$300,131.65
	Earthwork Component Total				$334,009.53

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	24.00 / 24.00
Structural Spread Rate	275
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	4,132.95	SY	$21.48	$88,775.77
285-709	OPTIONAL BASE,BASE GROUP 09	2,957.49	SY	$58.67	$173,515.94
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	401.14	TN	$188.86	$75,759.30
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	240.68	TN	$206.53	$49,707.64

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	3

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	70.00	EA	$6.70	$469.00

710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.41	GM	$1,242.40	$509.38
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.62	GM	$566.11	$350.99
	Roadway Component Total				$389,088.02

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	891.02	SY	$40.07	$35,703.17
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	46.80	TN	$188.86	$8,838.65
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	70.20	TN	$206.53	$14,498.41
570-1-1	PERFORMANCE TURF	364.67	SY	$6.82	$2,487.05

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,422.22	LF	$5.01	$7,125.32
104-11	FLOATING TURBIDITY BARRIER	25.90	LF	$15.96	$413.36
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	25.90	LF	$19.18	$496.76
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
107-1	LITTER REMOVAL	1.26	AC	$107.65	$135.64
107-2	MOWING	1.26	AC	$137.04	$172.67
	Shoulder Component Total				$74,580.33

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	88.00	LF	$291.65	$25,665.20
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	24.00	LF	$259.35	$6,224.40
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	5.00	EA	$2,940.61	$14,703.05
570-1-1	PERFORMANCE TURF	72.93	SY	$6.82	$497.38
	Drainage Component Total				$47,090.03

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$749.92	$749.92
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	3.00	EA	$2,387.48	$7,162.44
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	1.00	EA	$12,667.99	$12,667.99
	Signing Component Total				$20,580.35

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	4 Lane Mast Arm
Multiplier	2
Description	

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,500.00	LF	$25.12	$37,680.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	500.00	LF	$36.11	$18,055.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	2.00	PI	$14,658.36	$29,316.72
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	32.00	EA	$1,771.59	$56,690.88
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	2.00	AS	$7,134.25	$14,268.50
639-2-1	ELECTRICAL SERVICE WIRE, F&I	120.00	LF	$11.57	$1,388.40
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	8.00	EA	$111,174.53	$889,396.24
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	24.00	AS	$2,236.36	$53,672.64
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	16.00	AS	$1,277.10	$20,433.60
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	24.00	EA	$937.34	$22,496.16
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	24.00	AS	$1,793.71	$43,049.04
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	16.00	EA	$449.78	$7,196.48
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	2.00	AS	$49,807.79	$99,615.58
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	8.00	EA	$515.67	$4,125.36
	Signalizations Component Total				$1,297,384.60

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

Description of Work

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
ITS	4%	1.00	1	$64,000.00	$64,000.00
	Intelligent Traffic System (ITS) Component Total				$64,000.00

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	3

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	600.00	LF	$25.12	$15,072.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	3.00	EA	$1,771.59	$5,314.77
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,800.00	LF	$6.55	$11,790.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	3.00	EA	$16,000.00	$48,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	3.00	EA	$1,175.12	$3,525.36
	Subcomponent Total				$83,702.13
	Lighting Component Total				$83,702.13

LANDSCAPING COMPONENT

User Input Data

Description	Value
Cost %	10.00
Component Detail	N

Landscaping Component Total	$166,174.27

Sequence 2 Total	$2,476,609.26

Sequence: 3 NUR - New Construction, Undivided, Rural **Net Length:** 0.206 MI 1,085 LF

Description: Ramp - B NB on ramp two lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.206
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.50	AC	$26,887.21	$67,218.02
120-6	EMBANKMENT	11,192.23	CY	$42.51	$475,781.70
	Earthwork Component Total				$542,999.73

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	275
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	5,304.64	SY	$21.48	$113,943.67
285-709	OPTIONAL BASE,BASE GROUP 09	2,973.01	SY	$58.67	$174,426.50
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	397.85	TN	$188.86	$75,137.95
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	238.71	TN	$206.53	$49,300.78

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	28.00	EA	$6.70	$187.60

710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.82	GM	$1,242.40	$1,018.77
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.41	GM	$566.11	$232.11
	Roadway Component Total				$414,247.38

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,767.41	SY	$40.07	$70,820.12
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	92.83	TN	$188.86	$17,531.87
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	139.25	TN	$206.53	$28,759.30
570-1-1	PERFORMANCE TURF	723.36	SY	$6.82	$4,933.32

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,821.10	LF	$5.01	$14,133.71
104-11	FLOATING TURBIDITY BARRIER	51.38	LF	$15.96	$820.02
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	51.38	LF	$19.18	$985.47
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
107-1	LITTER REMOVAL	2.49	AC	$107.65	$268.05
107-2	MOWING	2.49	AC	$137.04	$341.23
	Shoulder Component Total				$143,302.39

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	168.00	LF	$291.65	$48,997.20
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	40.00	LF	$259.35	$10,374.00
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	9.00	EA	$2,940.61	$26,465.49
570-1-1	PERFORMANCE TURF	144.67	SY	$6.82	$986.65
	Drainage Component Total				$86,823.34

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$749.92	$749.92
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	5.00	EA	$2,387.48	$11,937.40
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	1.00	EA	$12,667.99	$12,667.99

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-4-114	OH STATIC SIGN STR, F&I, C 41-50 FT	1.00	EA	$182,265.02	$182,265.02
	Signing Component Total				$207,620.33

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	4 Lane Mast Arm
Multiplier	1
Description	

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	$26.88	$20,160.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	$40.59	$10,147.50
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	$15,002.66	$15,002.66
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	$1,830.28	$29,284.48
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	$7,134.25	$7,134.25
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	$10.68	$640.80
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	4.00	EA	$111,167.40	$444,669.60
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	12.00	AS	$2,208.67	$26,504.04
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	$1,287.14	$10,297.12
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	$937.34	$11,248.08
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	$1,819.23	$21,830.76
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	$455.15	$3,641.20
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	$50,125.89	$50,125.89
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	$515.67	$2,062.68
	Signalizations Component Total				$652,749.06

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

Description of Work

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
ITS	4%	1.00	1	$178,000.00	$178,000.00

Intelligent Traffic System (ITS) Component Total $178,000.00

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	7

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,400.00	LF	$25.12	$35,168.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	7.00	EA	$1,771.59	$12,401.13
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	4,200.00	LF	$6.55	$27,510.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	7.00	EA	$16,000.00	$112,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	7.00	EA	$1,175.12	$8,225.84
	Subcomponent Total				$195,304.97

Lighting Component Total $195,304.97

LANDSCAPING COMPONENT

User Input Data

Description	Value
Cost %	10.00
Component Detail	N

Landscaping Component Total $64,437.31

Sequence 3 Total $2,485,484.51

Sequence: 4 NUR - New Construction, Undivided, Rural **Net Length:** 0.474 MI 2,500 LF

Description: Ramp - B NB on ramp one lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.473
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	5.75	AC	$26,887.21	$154,601.46
120-6	EMBANKMENT	21,428.04	CY	$42.51	$910,905.98
	Earthwork Component Total				$1,065,507.44

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	275
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	7,500.24	SY	$21.48	$161,105.16
285-709	OPTIONAL BASE,BASE GROUP 09	4,350.14	SY	$58.67	$255,222.71
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	572.93	TN	$188.86	$108,203.56
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	343.76	TN	$206.53	$70,996.75

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount

710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.89	GM	$1,242.40	$2,348.14

Roadway Component Total $597,876.32

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,850.06	SY	$40.07	$74,131.90
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	91.67	TN	$188.86	$17,312.80
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	137.50	TN	$206.53	$28,397.88
570-1-1	PERFORMANCE TURF	1,666.72	SY	$6.82	$11,367.03

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	6,500.21	LF	$5.59	$36,336.17
104-11	FLOATING TURBIDITY BARRIER	118.38	LF	$15.96	$1,889.34
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	118.38	LF	$19.18	$2,270.53
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
107-1	LITTER REMOVAL	5.74	AC	$159.61	$916.16
107-2	MOWING	5.74	AC	$424.57	$2,437.03

Shoulder Component Total $179,768.14

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	384.00	LF	$278.89	$107,093.76
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	80.00	LF	$310.89	$24,871.20
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	19.00	EA	$3,624.19	$68,859.61
570-1-1	PERFORMANCE TURF	333.34	SY	$6.82	$2,273.38

Drainage Component Total $203,097.95

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$749.92	$749.92
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	10.00	EA	$2,387.48	$23,874.80
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	1.00	EA	$11,326.06	$11,326.06
	Signing Component Total				$35,950.78

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

Description of Work

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
ITS	4%	1.00	1	$95,000.00	$95,000.00
	Intelligent Traffic System (ITS) Component Total				$95,000.00

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	3

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	600.00	LF	$25.12	$15,072.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	3.00	EA	$1,771.59	$5,314.77
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,800.00	LF	$6.55	$11,790.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	3.00	EA	$16,000.00	$48,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	3.00	EA	$1,175.12	$3,525.36
	Subcomponent Total				$83,702.13
	Lighting Component Total				$83,702.13

LANDSCAPING COMPONENT

User Input Data

Description	Value
Cost %	10.00
Component Detail	N
Landscaping Component Total	$194,931.25

Sequence 4 Total $2,455,834.01

Sequence: 5 NUR - New Construction, Undivided, Rural **Net Length:** 0.947 MI 5,000 LF

Description: Ramp - C SB on ramp two lane section (includes aux.lane to SR 54)

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.940
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	11.48	AC	$26,887.21	$308,665.17
120-6	EMBANKMENT	52,168.75	CY	$42.51	$2,217,693.56
	Earthwork Component Total				$2,526,358.73

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	13.00 / 13.00
Structural Spread Rate	275
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	25,556.37	SY	$21.48	$548,950.83
285-709	OPTIONAL BASE,BASE GROUP 09	14,811.59	SY	$58.67	$868,995.99
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,986.17	TN	$188.86	$375,108.07
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	1,191.70	TN	$206.53	$246,121.80

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount

706-1-3	RAISED PAVMT MARK, TYPE B	128.00	EA	$6.70	$857.60
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	3.79	GM	$1,242.40	$4,708.70
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	1.89	GM	$566.11	$1,069.95
	Roadway Component Total				$2,045,812.94

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	8,144.71	SY	$40.07	$326,358.53
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	427.79	TN	$188.86	$80,792.42
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	641.69	TN	$206.53	$132,528.24
570-1-1	PERFORMANCE TURF	3,333.44	SY	$6.82	$22,734.06

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	13,000.42	LF	$5.59	$72,672.35
104-11	FLOATING TURBIDITY BARRIER	236.75	LF	$15.96	$3,778.53
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	236.75	LF	$19.18	$4,540.86
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
107-1	LITTER REMOVAL	11.48	AC	$159.61	$1,832.32
107-2	MOWING	11.48	AC	$424.57	$4,874.06
	Shoulder Component Total				$654,820.68

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	760.00	LF	$278.89	$211,956.40
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	160.00	LF	$310.89	$49,742.40
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	38.00	EA	$3,624.19	$137,719.22
570-1-1	PERFORMANCE TURF	666.69	SY	$6.82	$4,546.83

Retention Basin 1

Description	Value
Size	2.5 AC
Multiplier	1
Depth	3.00
Description	

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.50	AC	$26,887.21	$67,218.02
120-1	REGULAR EXCAVATION	12,100.00	CY	$104.30	$1,262,030.00
425-1-361	INLETS, CURB, TYPE P-6, <10'	1.00	EA	$8,224.64	$8,224.64
425-2-71	MANHOLES, J-7, <10'	1.00	EA	$12,151.00	$12,151.00
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00	LF	$654.39	$36,645.84
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	200.00	LF	$612.49	$122,498.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	1,335.00	LF	$81.27	$108,495.45
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	1.00	EA	$5,001.92	$5,001.92
570-1-1	PERFORMANCE TURF	12,100.00	SY	$18.06	$218,526.00
	Drainage Component Total				$2,244,755.72

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	2.00	EA	$749.92	$1,499.84
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	19.00	EA	$2,387.48	$45,362.12
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	2.00	EA	$11,326.06	$22,652.12
	Signing Component Total				$69,514.08

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

Description of Work

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
ITS	4%	1.00	1	$450,000.00	$450,000.00
	Intelligent Traffic System (ITS) Component Total				$450,000.00

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	16

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	3,200.00	LF	$25.12	$80,384.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	$1,771.59	$28,345.44

715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	9,600.00	LF	$6.55	$62,880.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	16.00	EA	$16,000.00	$256,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	16.00	EA	$1,175.12	$18,801.92
	Subcomponent Total				$446,411.36
	Lighting Component Total				$446,411.36

LANDSCAPING COMPONENT

User Input Data

Description	Value
Cost %	10.00
Component Detail	N

	Landscaping Component Total	$1,119,970.35

ARCHITECTURAL COMPONENT

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
735-74	TOLL PLAZA, SINGLE LOCATION	1.00	LS	$1,500,000.00	$1,500,000.00
	Comment: NEW TOLL GANTRY				
	Architectural Component Total				$1,500,000.00

Sequence 5 Total $11,057,643.86

Sequence: 7 NUR - New Construction, Undivided, Rural **Net Length:** 0.568 MI 3,000 LF

Description: Ramp - D SB off ramp one lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.570
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	6.88	AC	$26,887.21	$184,984.00
120-6	EMBANKMENT	25,822.37	CY	$42.51	$1,097,708.95
	Earthwork Component Total				$1,282,692.95

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	275
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	9,000.29	SY	$21.48	$193,326.23
285-709	OPTIONAL BASE,BASE GROUP 09	5,220.17	SY	$58.67	$306,267.37
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	687.52	TN	$188.86	$129,845.03
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	412.51	TN	$206.53	$85,195.69

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount

710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	2.27	GM	$1,242.40	$2,820.25

Roadway Component Total $717,454.57

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	2,220.07	SY	$40.07	$88,958.20
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	110.00	TN	$188.86	$20,774.60
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	165.01	TN	$206.53	$34,079.52
570-1-1	PERFORMANCE TURF	2,000.06	SY	$6.82	$13,640.41

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	7,800.25	LF	$5.59	$43,603.40
104-11	FLOATING TURBIDITY BARRIER	142.05	LF	$15.96	$2,267.12
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	142.05	LF	$19.18	$2,724.52
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
107-1	LITTER REMOVAL	6.89	AC	$159.61	$1,099.71
107-2	MOWING	6.89	AC	$424.57	$2,925.29

Shoulder Component Total $214,782.07

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	456.00	LF	$278.89	$127,173.84
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	96.00	LF	$310.89	$29,845.44
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	23.00	EA	$3,624.19	$83,356.37
570-1-1	PERFORMANCE TURF	400.01	SY	$6.82	$2,728.07

Drainage Component Total $243,103.72

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	2.00	EA	$749.92	$1,499.84
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	12.00	EA	$2,387.48	$28,649.76
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	2.00	EA	$11,326.06	$22,652.12

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-4-113	OH STATIC SIGN STR, F&I, C 31-40 FT	1.00	EA	$155,279.30	$155,279.30

Signing Component Total $208,081.02

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

Description of Work

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
ITS	4%	1.00	1	$132,000.00	$132,000.00

Intelligent Traffic System (ITS) Component Total $132,000.00

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	12

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,400.00	LF	$25.12	$60,288.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	12.00	EA	$1,771.59	$21,259.08
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	7,200.00	LF	$6.55	$47,160.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	12.00	EA	$16,000.00	$192,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	12.00	EA	$1,175.12	$14,101.44
	Subcomponent Total				$334,808.52

Lighting Component Total $334,808.52

LANDSCAPING COMPONENT

User Input Data

Description	Value
Cost %	10.00
Component Detail	N

Landscaping Component Total $300,092.28

Sequence 7 Total $3,433,015.13

Sequence: 8 NUR - New Construction, Undivided, Rural **Net Length:** 0.076 MI 401 LF

Description: Ramp - D SB off ramp three lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.076
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.92	AC	$26,887.21	$24,736.23
120-6	EMBANKMENT	4,653.66	CY	$42.51	$197,827.09
	Earthwork Component Total				$222,563.32

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	3
Roadway Pavement Width L/R	18.00 / 18.00
Structural Spread Rate	275
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,493.57	SY	$21.48	$53,561.88
285-709	OPTIONAL BASE,BASE GROUP 09	1,632.40	SY	$58.67	$95,772.91
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	220.41	TN	$188.86	$41,626.63
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	132.25	TN	$206.53	$27,313.59

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	41.00	EA	$6.70	$274.70

710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.30	GM	$1,242.40	$372.72
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.30	GM	$566.11	$169.83
	Roadway Component Total				$219,092.26

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	652.78	SY	$40.07	$26,156.89
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	34.29	TN	$188.86	$6,476.01
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	51.43	TN	$206.53	$10,621.84
570-1-1	PERFORMANCE TURF	267.17	SY	$6.82	$1,822.10

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,041.96	LF	$5.01	$5,220.22
104-11	FLOATING TURBIDITY BARRIER	18.97	LF	$15.96	$302.76
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	18.97	LF	$19.18	$363.84
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
107-1	LITTER REMOVAL	0.92	AC	$107.65	$99.04
107-2	MOWING	0.92	AC	$137.04	$126.08
	Shoulder Component Total				$55,898.08

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	64.00	LF	$291.65	$18,665.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$259.35	$4,149.60
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	4.00	EA	$2,940.61	$11,762.44
570-1-1	PERFORMANCE TURF	53.43	SY	$6.82	$364.39
	Drainage Component Total				$34,942.03

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$749.92	$749.92
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	2.00	EA	$2,387.48	$4,774.96
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	1.00	EA	$12,667.99	$12,667.99
	Signing Component Total				$18,192.87

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	4 Lane Mast Arm
Multiplier	2
Description	

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,500.00	LF	$25.12	$37,680.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	500.00	LF	$36.11	$18,055.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	2.00	PI	$14,658.36	$29,316.72
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	32.00	EA	$1,771.59	$56,690.88
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	2.00	AS	$7,134.25	$14,268.50
639-2-1	ELECTRICAL SERVICE WIRE, F&I	120.00	LF	$11.57	$1,388.40
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	8.00	EA	$111,174.53	$889,396.24
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	24.00	AS	$2,236.36	$53,672.64
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	16.00	AS	$1,277.10	$20,433.60
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	24.00	EA	$937.34	$22,496.16
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	24.00	AS	$1,793.71	$43,049.04
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	16.00	EA	$449.78	$7,196.48
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	2.00	AS	$49,807.79	$99,615.58
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	8.00	EA	$515.67	$4,125.36

Signalization 2

Description	Value
Type	2 Lane Mast Arm
Multiplier	1
Description	

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00	LF	$26.88	$21,504.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	200.00	LF	$40.59	$8,118.00

632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	$15,002.66	$15,002.66
633-3-11	FIBER OPTIC CONN HDWR, SPLICE ENCLOSURE	2.00	EA	$1,124.17	$2,248.34
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	12.00	EA	$1,830.28	$21,963.36
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	$7,134.25	$7,134.25
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	$10.68	$640.80
649-21-4	STEEL MAST ARM ASSEMBLY, F&I, 40'- 30'	4.00	EA	$128,470.39	$513,881.56
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	8.00	AS	$2,208.67	$17,669.36
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	$1,287.14	$10,297.12
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	8.00	EA	$937.34	$7,498.72
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	8.00	AS	$1,819.23	$14,553.84
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	$455.15	$3,641.20
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	$50,125.89	$50,125.89
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	$515.67	$2,062.68
	Signalizations Component Total				$1,993,726.38

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	**Value**
Multiplier (Number of Poles)	2

Pay Items

Pay item	**Description**	**Quantity**	**Unit**	**Unit Price**	**Extended Amount**
630-2-11	CONDUIT, F& I, OPEN TRENCH	400.00	LF	$25.12	$10,048.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	2.00	EA	$1,771.59	$3,543.18
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,200.00	LF	$6.55	$7,860.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	2.00	EA	$16,000.00	$32,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	2.00	EA	$1,175.12	$2,350.24
	Subcomponent Total				$55,801.42
	Lighting Component Total				$55,801.42

Sequence 8 Total $2,600,216.36

Sequence: 9 NUR - New Construction, Undivided, Rural **Net Length:** 0.597 MI 3,151 LF

Description: Suncoast Trail Reconstruction at Rangeland

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.597
Top of Structural Course For Begin Section	101.00
Top of Structural Course For End Section	101.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	4.34	AC	$26,887.21	$116,690.49
120-6	EMBANKMENT	101.57	CY	$107.91	$10,960.42
	Earthwork Component Total				$127,650.91

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	12.00 / 0.00
Structural Spread Rate	110
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	4,201.47	SY	$21.48	$90,247.58
285-701	OPTIONAL BASE,BASE GROUP 01	4,317.01	SY	$83.90	$362,197.14
334-1-12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	231.08	TN	$330.89	$76,462.06
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	346.62	TN	$206.53	$71,587.43

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount

710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	2.39 GM	$1,249.23	$2,985.66
	Roadway Component Total			$603,479.87
Sequence 9 Total				$731,130.78

Date: 2/11/2025 7:01:27 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 448068-1-22-01 **Letting Date:** 01/2099

Description: PD&E WIDEN SUNCOAST PKWY(SR589) - S OF VAN DYKE RD TO SR52 (MP13-29)

District: 08 **County:** 97 TURNPIKE **Market Area:** 99 **Units:** English
Contract Class: 3 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 15.979 MI

Project Manager: SHARMA

Version 12 Project Grand Total **$43,914,869.49**
Description: Rangeland Road (New Interchange)

Project Sequences Subtotal			**$36,169,313.63**
102-1	Maintenance of Traffic	10.00 %	$3,616,931.36
101-1	Mobilization	10.00 %	$3,978,624.50
Project Sequences Total			**$43,764,869.49**
Project Unknowns		0.00 %	$0.00
Design/Build		0.00 %	$0.00

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	$150,000.00	$150,000.00
Project Non-Bid Subtotal					**$150,000.00**
Version 12 Project Grand Total					**$43,914,869.49**

Date: 2/12/2025 9:28:44 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 448068-1-22-01 **Letting Date:** 01/2099

Description: PD&E WIDEN SUNCOAST PKWY(SR589) - S OF VAN DYKE RD TO SR52 (MP13-29)

District: 08 **County:** 97 TURNPIKE **Market Area:** 99 **Units:** English
Contract Class: 3 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 15.979 MI

Project Manager: SHARMA

Version 13 Project Grand Total **$19,299,758.00**
Description: Ridge Road

Sequence: 2 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.160 MI 844 LF

Description: Ramp A - SB on one lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.160
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.16	AC	$27,331.53	$31,704.57
	Earthwork Component Total				$31,704.57

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	1,124.99	SY	$21.48	$24,164.79
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,406.24	SY	$6.30	$8,859.31
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	116.01	TN	$188.86	$21,909.65
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	56.25	TN	$206.53	$11,617.31

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.64	GM	$1,448.65	$927.14

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $67,478.20

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	624.37	SY	$42.51	$26,541.97
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	30.94	TN	$188.86	$5,843.33
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	22.50	TN	$206.53	$4,646.92
570-1-1	PERFORMANCE TURF	562.50	SY	$6.88	$3,870.00

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,940.61	LF	$3.32	$6,442.83
104-11	FLOATING TURBIDITY BARRIER	15.98	LF	$15.96	$255.04
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	15.98	LF	$19.18	$306.50
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.39	AC	$57.61	$22.47
107-2	MOWING	0.39	AC	$94.35	$36.80
	Shoulder Component Total				$52,867.30

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	24.00	LF	$278.89	$6,693.36
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	$3,624.19	$7,248.38
570-1-1	PERFORMANCE TURF	64.56	SY	$6.88	$444.17
	Drainage Component Total				$19,360.15

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$424.18	$424.18
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	4.00	EA	$1,908.83	$7,635.32
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$347.45	$347.45
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	4.00	EA	$58.36	$233.44
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$16,606.52

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	5

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,000.00	LF	$24.85	$24,850.00

635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	5.00 EA	$1,704.63	$8,523.15
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	3,000.00 LF	$6.55	$19,650.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	5.00 EA	$16,000.00	$80,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	5.00 EA	$1,175.12	$5,875.60
	Subcomponent Total			$138,898.75
	Lighting Component Total			$138,898.75
Sequence 2 Total				$326,915.49

Sequence: 5 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.134 MI 708 LF

Description: Ramp B - NB off one lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	0.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.134
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.49	AC	$27,331.53	$13,392.45
	Earthwork Component Total				$13,392.45

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	944.06	SY	$21.48	$20,278.41
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,180.08	SY	$6.30	$7,434.50
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	97.36	TN	$188.86	$18,387.41
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	47.20	TN	$206.53	$9,748.22

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.54	GM	$1,448.65	$782.27
	Roadway Component Total				$56,630.81

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	523.96	SY	$42.51	$22,273.54
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	25.96	TN	$188.86	$4,902.81
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	18.88	TN	$206.53	$3,899.29
570-1-1	PERFORMANCE TURF	472.03	SY	$6.88	$3,247.57

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,628.51	LF	$3.32	$5,406.65
104-11	FLOATING TURBIDITY BARRIER	13.41	LF	$15.96	$214.02
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	13.41	LF	$19.18	$257.20
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.32	AC	$57.61	$18.44
107-2	MOWING	0.32	AC	$94.35	$30.19
	Shoulder Component Total				$45,151.14

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	24.00	LF	$278.89	$6,693.36
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	$310.89	$2,487.12
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	$3,624.19	$7,248.38
570-1-1	PERFORMANCE TURF	54.18	SY	$6.88	$372.76

	Drainage Component Total	$16,801.62

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$424.18	$424.18
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	3.00	EA	$1,908.83	$5,726.49
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$347.45	$347.45
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	3.00	EA	$58.36	$175.08
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$14,639.33

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00	LF	$24.85	$19,880.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	4.00	EA	$1,704.63	$6,818.52
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	2,400.00	LF	$6.55	$15,720.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	4.00	EA	$16,000.00	$64,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	4.00	EA	$1,175.12	$4,700.48
	Subcomponent Total				$111,119.00
	Lighting Component Total				$111,119.00

Sequence 5 Total $257,734.35

Sequence: 6 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.199 MI 1,052 LF

Description: Ramp B - NB off four lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.199
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.45	AC	$27,331.53	$39,630.72
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	591.52	CY	$53.86	$31,859.27
	Earthwork Component Total				$71,489.99

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	4
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	16.50 / 16.50
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	6,193.79	SY	$21.48	$133,042.61
285-709	OPTIONAL BASE,BASE GROUP 09	3,933.64	SY	$58.67	$230,786.66
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,752.96	SY	$6.30	$11,043.65
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	144.62	TN	$188.86	$27,312.93
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	530.27	TN	$188.86	$100,146.79
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	70.12	TN	$206.53	$14,481.88
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	318.16	TN	$206.53	$65,709.58

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	3

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	134.00	EA	$5.29	$708.86
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.80	GM	$1,448.65	$1,158.92
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	1.20	GM	$693.74	$832.49

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $585,224.37

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,713.23	SY	$42.51	$72,829.41
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	89.99	TN	$188.86	$16,995.51
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	65.44	TN	$206.53	$13,515.32
570-1-1	PERFORMANCE TURF	701.18	SY	$6.88	$4,824.12

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,419.08	LF	$3.32	$8,031.35
104-11	FLOATING TURBIDITY BARRIER	19.92	LF	$15.96	$317.92
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	19.92	LF	$19.18	$382.07

104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.48	AC	$57.61	$27.65
107-2	MOWING	0.48	AC	$94.35	$45.29
	Shoulder Component Total				$121,870.07

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	32.00	LF	$278.89	$8,924.48
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	$3,624.19	$7,248.38
570-1-1	PERFORMANCE TURF	80.48	SY	$6.88	$553.70
	Drainage Component Total				$21,700.80

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$424.18	$424.18
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	4.00	EA	$1,908.83	$7,635.32
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$347.45	$347.45
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	4.00	EA	$58.36	$233.44
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$16,606.52

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	7

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,400.00	LF	$24.85	$34,790.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	7.00	EA	$1,704.63	$11,932.41
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	4,200.00	LF	$6.55	$27,510.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	7.00	EA	$16,000.00	$112,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	7.00	EA	$1,175.12	$8,225.84
	Subcomponent Total				$194,458.25

Lighting Component Total	$194,458.25
Sequence 6 Total	$1,011,350.00

Sequence: 7 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.223 MI 1,177 LF

Description: Ramp C - NB on two lane section widening

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.223
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.62	AC	$27,331.53	$44,277.08
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	238.54	CY	$53.86	$12,847.76
	Earthwork Component Total				$57,124.84

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 9.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	3,792.27	SY	$21.48	$81,457.96
285-709	OPTIONAL BASE,BASE GROUP 09	1,220.07	SY	$58.67	$71,581.51
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,961.52	SY	$6.30	$12,357.58
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	161.83	TN	$188.86	$30,563.21
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	161.83	TN	$188.86	$30,563.21
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	78.46	TN	$206.53	$16,204.34
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	97.10	TN	$206.53	$20,054.06

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	30.00	EA	$5.29	$158.70
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.89	GM	$1,448.65	$1,289.30
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.45	GM	$693.74	$312.18

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $264,542.05

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,917.06	SY	$42.51	$81,494.22
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	100.69	TN	$188.86	$19,016.31
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	73.23	TN	$206.53	$15,124.19
570-1-1	PERFORMANCE TURF	784.61	SY	$6.88	$5,398.12

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,706.90	LF	$3.32	$8,986.91
104-11	FLOATING TURBIDITY BARRIER	22.29	LF	$15.96	$355.75
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	22.29	LF	$19.18	$427.52

104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.54	AC	$57.61	$31.11
107-2	MOWING	0.54	AC	$94.35	$50.95
	Shoulder Component Total				$135,786.51

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	40.00	LF	$278.89	$11,155.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00	EA	$3,624.19	$10,872.57
570-1-1	PERFORMANCE TURF	90.05	SY	$6.88	$619.54
	Drainage Component Total				$27,621.95

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$424.18	$424.18
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	5.00	EA	$1,908.83	$9,544.15
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$347.45	$347.45
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	5.00	EA	$58.36	$291.80
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$18,573.71

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	8

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,600.00	LF	$24.85	$39,760.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	8.00	EA	$1,704.63	$13,637.04
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	4,800.00	LF	$6.55	$31,440.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	8.00	EA	$16,000.00	$128,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	8.00	EA	$1,175.12	$9,400.96
	Subcomponent Total				$222,238.00

Lighting Component Total	$222,238.00
Sequence 7 Total	$725,887.06

Sequence: 8 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.298 MI 1,575 LF

Description: Ramp C - NB on one lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.298
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.17	AC	$27,331.53	$59,309.42
	Earthwork Component Total				$59,309.42

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,100.03	SY	$21.48	$45,108.64
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	2,625.04	SY	$6.30	$16,537.75
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	216.57	TN	$188.86	$40,901.41
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	105.00	TN	$206.53	$21,685.65

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.19	GM	$1,448.65	$1,723.89

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $125,957.34

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,165.52	SY	$42.51	$49,546.26
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	57.75	TN	$188.86	$10,906.66
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	42.00	TN	$206.53	$8,674.26
570-1-1	PERFORMANCE TURF	1,050.02	SY	$6.88	$7,224.14

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	3,622.56	LF	$3.32	$12,026.90
104-11	FLOATING TURBIDITY BARRIER	29.83	LF	$15.96	$476.09
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	29.83	LF	$19.18	$572.14
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.72	AC	$57.61	$41.48
107-2	MOWING	0.72	AC	$94.35	$67.93

Shoulder Component Total $94,437.30

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	48.00	LF	$278.89	$13,386.72
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	24.00	LF	$310.89	$7,461.36
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00	EA	$3,624.19	$10,872.57
570-1-1	PERFORMANCE TURF	120.51	SY	$6.88	$829.11
	Drainage Component Total				$32,549.76

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$424.18	$424.18
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	6.00	EA	$1,908.83	$11,452.98
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$347.45	$347.45
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	6.00	EA	$58.36	$350.16
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$20,540.90

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	10

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,000.00	LF	$24.85	$49,700.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	10.00	EA	$1,704.63	$17,046.30
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	6,000.00	LF	$6.55	$39,300.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	10.00	EA	$16,000.00	$160,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	10.00	EA	$1,175.12	$11,751.20
	Subcomponent Total				$277,797.50
	Lighting Component Total				$277,797.50

ARCHITECTURAL COMPONENT

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
735-74	TOLL PLAZA, SINGLE LOCATION	1.00	LS	$200,000.00	$200,000.00
	Comment: M&R EXISTING TOLL GANTRY				

Architectural Component Total	$200,000.00
Sequence 8 Total	$810,592.22

Sequence: 9 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.291 MI 1,536 LF

Description: Ramp D - SB off one lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.291
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.12	AC	$27,331.53	$57,942.84
	Earthwork Component Total				$57,942.84

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,047.94	SY	$21.48	$43,989.75
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	2,559.92	SY	$6.30	$16,127.50
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	211.19	TN	$188.86	$39,885.34
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	102.40	TN	$206.53	$21,148.67

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.16	GM	$1,448.65	$1,680.43

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $122,831.69

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,136.60	SY	$42.51	$48,316.87
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	56.32	TN	$188.86	$10,636.60
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	40.96	TN	$206.53	$8,459.47
570-1-1	PERFORMANCE TURF	1,023.97	SY	$6.88	$7,044.91

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	3,532.69	LF	$3.32	$11,728.53
104-11	FLOATING TURBIDITY BARRIER	29.09	LF	$15.96	$464.28
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	29.09	LF	$19.18	$557.95
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.70	AC	$57.61	$40.33
107-2	MOWING	0.70	AC	$94.35	$66.04

Shoulder Component Total $92,216.42

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	48.00	LF	$278.89	$13,386.72
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	24.00	LF	$310.89	$7,461.36
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00	EA	$3,624.19	$10,872.57
570-1-1	PERFORMANCE TURF	117.52	SY	$6.88	$808.54
	Drainage Component Total				$32,529.19

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$424.18	$424.18
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	6.00	EA	$1,908.83	$11,452.98
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$347.45	$347.45
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	6.00	EA	$58.36	$350.16
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$20,540.90

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	10

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,000.00	LF	$24.85	$49,700.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	10.00	EA	$1,704.63	$17,046.30
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	6,000.00	LF	$6.55	$39,300.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	10.00	EA	$16,000.00	$160,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	10.00	EA	$1,175.12	$11,751.20
	Subcomponent Total				$277,797.50
	Lighting Component Total				$277,797.50

ARCHITECTURAL COMPONENT

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
735-74	TOLL PLAZA, SINGLE LOCATION	1.00	LS	$200,000.00	$200,000.00
	Comment: M&R EXISTING TOLL GANTRY				

Architectural Component Total	$200,000.00
Sequence 9 Total	$803,858.54

Sequence: 10 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.211 MI 1,115 LF

Description: Ramp D - SB off two lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.211
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.53	AC	$27,331.53	$41,817.24
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	225.70	CY	$53.86	$12,156.20
	Earthwork Component Total				$53,973.44

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 9.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	3,593.22	SY	$21.48	$77,182.37
285-709	OPTIONAL BASE,BASE GROUP 09	1,156.02	SY	$58.67	$67,823.69
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,858.56	SY	$6.30	$11,708.93
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	153.33	TN	$188.86	$28,957.90
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	153.33	TN	$188.86	$28,957.90
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	74.34	TN	$206.53	$15,353.44
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	92.00	TN	$206.53	$19,000.76

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	29.00	EA	$5.29	$153.41
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.84	GM	$1,448.65	$1,216.87
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.42	GM	$693.74	$291.37

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $250,646.64

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,816.43	SY	$42.51	$77,216.44
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	95.41	TN	$188.86	$18,019.13
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	69.39	TN	$206.53	$14,331.12
570-1-1	PERFORMANCE TURF	743.42	SY	$6.88	$5,114.73

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,564.81	LF	$3.32	$8,515.17
104-11	FLOATING TURBIDITY BARRIER	21.12	LF	$15.96	$337.08
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	21.12	LF	$19.18	$405.08

104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.51	AC	$57.61	$29.38
107-2	MOWING	0.51	AC	$94.35	$48.12
	Shoulder Component Total				$128,917.68

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	32.00	LF	$278.89	$8,924.48
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00	EA	$3,624.19	$10,872.57
570-1-1	PERFORMANCE TURF	85.32	SY	$6.88	$587.00
	Drainage Component Total				$25,358.29

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$424.18	$424.18
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	5.00	EA	$1,908.83	$9,544.15
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$347.45	$347.45
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	5.00	EA	$58.36	$291.80
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$18,573.71

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	7

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,400.00	LF	$24.85	$34,790.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	7.00	EA	$1,704.63	$11,932.41
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	4,200.00	LF	$6.55	$27,510.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	7.00	EA	$16,000.00	$112,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	7.00	EA	$1,175.12	$8,225.84
	Subcomponent Total				$194,458.25

Lighting Component Total	$194,458.25
Sequence 10 Total	$671,928.01

Sequence: 14 WDR - Widen/Resurface, Divided, Rural **Net Length:** 0.527 MI 2,780 LF

Description: Ridge road

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	25.00 / 25.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.526
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	3.19	AC	$27,331.53	$87,187.58
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	340.47	CY	$53.86	$18,337.71
	Earthwork Component Total				$105,525.29

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	5
Existing Roadway Pavement Width L/R	24.00 / 24.00
Structural Spread Rate	220
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 14.00
Widened Inside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	330
Widened Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	9,884.16	SY	$21.48	$212,311.76
285-709	OPTIONAL BASE,BASE GROUP 09	4,426.25	SY	$58.67	$259,688.09
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	14,826.24	SY	$6.30	$93,405.31
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,630.89	TN	$188.86	$308,009.89
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	713.51	TN	$188.86	$134,753.50

337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	593.05	TN	$247.36	$146,696.85
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	172.97	TN	$247.36	$42,785.86

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	3

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	284.00	EA	$5.29	$1,502.36
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	4.21	GM	$1,448.65	$6,098.82
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	3.16	GM	$598.83	$1,892.30
	Roadway Component Total				$1,207,144.74

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	8.00 / 10.00
New Total Outside Shoulder Width L/R	8.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 5.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	2,983.78	SY	$42.51	$126,840.49
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	152.90	TN	$188.86	$28,876.69
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	111.20	TN	$247.36	$27,506.43
570-1-1	PERFORMANCE TURF	2,779.92	SY	$6.88	$19,125.85

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	1,358.00	SY	$88.82	$120,617.56
	Comment: SDWK northside				

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	6,393.82	LF	$3.32	$21,227.48

104-11	FLOATING TURBIDITY BARRIER	52.65 LF	$15.96	$840.29
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	52.65 LF	$19.18	$1,009.83
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	$4,709.30	$4,709.30
107-1	LITTER REMOVAL	3.83 AC	$57.61	$220.65
107-2	MOWING	3.83 AC	$94.35	$361.36
	Shoulder Component Total			$351,335.93

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	40.00
Performance Turf Width	36.00
New Total Median Shoulder Width L/R	0.00 / 0.00
New Paved Median Shoulder Width L/R	0.00 / 0.00
Existing Total Median Shoulder Width L/R	0.00 / 0.00
Existing Paved Median Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
570-1-1	PERFORMANCE TURF	11,119.68	SY	$6.88	$76,503.40

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,164.00	LF	$49.20	$57,268.80
	Comment: median curb and gutter (lt/rt)				
	Median Component Total				$133,772.20

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	424.00	LF	$278.89	$118,249.36
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	48.00	LF	$310.89	$14,922.72
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	22.00	EA	$3,624.19	$79,732.18
570-1-1	PERFORMANCE TURF	370.66	SY	$6.88	$2,550.14
	Drainage Component Total				$215,454.40

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	2.00	EA	$424.18	$848.36

700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	13.00 EA	$1,908.83	$24,814.79
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	2.00 EA	$347.45	$694.90
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	13.00 EA	$58.36	$758.68
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	2.00 EA	$8,985.18	$17,970.36
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	2.00 EA	$1,238.78	$2,477.56

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-2-116	MULTI- COLUMN SIGN, F&I GM, 100.1-200 SF	4.00	EA	$17,590.91	$70,363.64
700-3-105	SIGN PANEL, F&I GM, 51-100 SF	4.00	EA	$4,447.82	$17,791.28
700-3-206	SIGN PANEL, F&I OM, 101-200 SF	2.00	EA	$10,172.19	$20,344.38
700-4-114	OH STATIC SIGN STR, F&I, C 41-50 FT	2.00	EA	$182,265.02	$364,530.04
	Signing Component Total				$520,593.99

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	4 Lane Mast Arm
Multiplier	2
Description	

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,500.00	LF	$24.85	$37,275.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	500.00	LF	$40.59	$20,295.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	2.00	PI	$14,658.36	$29,316.72
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	32.00	EA	$1,704.63	$54,548.16
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	2.00	AS	$5,820.61	$11,641.22
639-2-1	ELECTRICAL SERVICE WIRE, F&I	120.00	LF	$11.57	$1,388.40
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	8.00	EA	$111,925.00	$895,400.00
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	24.00	AS	$1,865.91	$44,781.84
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	16.00	AS	$1,277.10	$20,433.60
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	24.00	EA	$937.34	$22,496.16
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	24.00	AS	$1,445.14	$34,683.36
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	16.00	EA	$397.78	$6,364.48
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	2.00	AS	$51,081.29	$102,162.58
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	8.00	EA	$294.09	$2,352.72
	Signalizations Component Total				$1,283,139.24

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	37

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	7,400.00	LF	$24.85	$183,890.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	37.00	EA	$1,704.63	$63,071.31
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	22,200.00	LF	$6.55	$145,410.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	37.00	EA	$16,000.00	$592,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	37.00	EA	$1,175.12	$43,479.44
	Subcomponent Total				$1,027,850.75

Lighting Component Total $1,027,850.75

Sequence 14 Total $4,844,816.54

Sequence: 15 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.284 MI 1,497 LF

Description: Ramp A - SB on two lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.283
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.07	AC	$27,331.53	$56,576.27
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	302.72	CY	$53.86	$16,304.50
	Earthwork Component Total				$72,880.77

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 9.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	4,823.28	SY	$21.48	$103,604.05
285-709	OPTIONAL BASE,BASE GROUP 09	1,551.77	SY	$58.67	$91,042.35
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	2,494.80	SY	$6.30	$15,717.24
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	205.82	TN	$188.86	$38,871.17
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	205.82	TN	$188.86	$38,871.17
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	99.79	TN	$206.53	$20,609.63
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	123.49	TN	$206.53	$25,504.39

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	38.00	EA	$5.29	$201.02
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.13	GM	$1,448.65	$1,636.97
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.57	GM	$693.74	$395.43

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $336,453.42

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	2,438.25	SY	$42.51	$103,650.01
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	128.07	TN	$188.86	$24,187.30
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	93.14	TN	$206.53	$19,236.20
570-1-1	PERFORMANCE TURF	997.92	SY	$6.88	$6,865.69

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	3,442.82	LF	$3.32	$11,430.16
104-11	FLOATING TURBIDITY BARRIER	28.35	LF	$15.96	$452.47
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	28.35	LF	$19.18	$543.75

104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.69	AC	$57.61	$39.75
107-2	MOWING	0.69	AC	$94.35	$65.10
	Shoulder Component Total				$171,371.86

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	48.00	LF	$278.89	$13,386.72
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	24.00	LF	$310.89	$7,461.36
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00	EA	$3,624.19	$10,872.57
570-1-1	PERFORMANCE TURF	114.53	SY	$6.88	$787.97
	Drainage Component Total				$32,508.62

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$424.18	$424.18
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	6.00	EA	$1,908.83	$11,452.98
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$347.45	$347.45
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	6.00	EA	$58.36	$350.16
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$20,540.90

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	10

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,000.00	LF	$24.85	$49,700.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	10.00	EA	$1,704.63	$17,046.30
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	6,000.00	LF	$6.55	$39,300.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	10.00	EA	$16,000.00	$160,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	10.00	EA	$1,175.12	$11,751.20
	Subcomponent Total				$277,797.50

Lighting Component Total	$277,797.50
Sequence 15 Total	$911,553.07

Sequence: 16 MIS - Miscellaneous Construction **Net Length:** 0.000 MI 0 LF

Description: Landscaping

LANDSCAPING COMPONENT

User Input Data

Description	Value
Lump Sum	1,262,002.00
Cost %	0.00
Component Detail	N

Landscaping Component Total $1,262,002.00

Sequence 16 Total $1,262,002.00

Sequence: 17 MIS - Miscellaneous Construction **Net Length:** 0.000 MI 0 LF

Description: ITS

MISCELLANEOUS COMPONENT

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
ITS	ITS, MOC, 4% OF SUBTOTAL	1.00	1	$504,800.00	$504,800.00
	Miscellaneous Component Total				$504,800.00

Sequence 17 Total $504,800.00

Sequence: 18 MIS - Miscellaneous Construction **Net Length:** 0.000 MI 0 LF

Description: 25% unknown

MISCELLANEOUS COMPONENT

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
25% UNKNOWN	FOR INFLATION	1.00	1	$3,694,809.00	$3,694,809.00
	Miscellaneous Component Total				$3,694,809.00

Sequence 18 Total $3,694,809.00

Date: 2/12/2025 9:28:46 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 448068-1-22-01 **Letting Date:** 01/2099

Description: PD&E WIDEN SUNCOAST PKWY(SR589) - S OF VAN DYKE RD TO SR52 (MP13-29)

District: 08 **County:** 97 TURNPIKE **Market Area:** 99 **Units:** English

Contract Class: 3 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 15.979 MI

Project Manager: SHARMA

Version 13 Project Grand Total **$19,299,758.00**

Description: Ridge Road

Project Sequences Subtotal			**$15,826,246.28**
102-1	Maintenance of Traffic	10.00 %	$1,582,624.63
101-1	Mobilization	10.00 %	$1,740,887.09
Project Sequences Total			**$19,149,758.00**
Project Unknowns		0.00 %	$0.00
Design/Build		0.00 %	$0.00

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	$150,000.00	$150,000.00
Project Non-Bid Subtotal					**$150,000.00**
Version 13 Project Grand Total					**$19,299,758.00**

Date: 2/12/2025 9:30:21 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 448068-1-22-01 **Letting Date:** 01/2099

Description: PD&E WIDEN SUNCOAST PKWY(SR589) - S OF VAN DYKE RD TO SR52 (MP13-29)

District: 08 **County:** 97 TURNPIKE **Market Area:** 99 **Units:** English
Contract Class: 3 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 15.979 MI

Project Manager: SHARMA

Version 14 Project Grand Total **$25,123,436.22**
Description: SR 52

Sequence: 2 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.374 MI 1,976 LF

Description: Ramp A - SB on two lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	20.00 / 20.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.374
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.81	AC	$61,068.42	$110,533.84
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	400.06	CY	$53.86	$21,547.23
	Earthwork Component Total				$132,081.07

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 9.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	6,366.39	SY	$21.48	$136,750.06
285-709	OPTIONAL BASE,BASE GROUP 09	2,048.22	SY	$58.67	$120,169.07
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	3,292.96	SY	$7.52	$24,763.06
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	271.67	TN	$188.86	$51,307.60
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	271.67	TN	$188.86	$51,307.60
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	131.72	TN	$206.53	$27,204.13
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	163.00	TN	$206.53	$33,664.39

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	51.00	EA	$4.96	$252.96
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.50	GM	$1,448.71	$2,173.06
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.75	GM	$820.00	$615.00

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $448,206.94

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	3,218.32	SY	$42.51	$136,810.78
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	169.04	TN	$188.86	$31,924.89
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	122.94	TN	$206.53	$25,390.80
570-1-1	PERFORMANCE TURF	1,317.18	SY	$6.88	$9,062.20

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	4,544.28	LF	$3.32	$15,087.01
104-11	FLOATING TURBIDITY BARRIER	37.42	LF	$15.96	$597.22
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	37.42	LF	$19.18	$717.72
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.91	AC	$57.63	$52.44
107-2	MOWING	0.91	AC	$88.49	$80.53

Shoulder Component Total $224,625.02

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	64.00	LF	$278.89	$17,848.96
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	24.00	LF	$310.89	$7,461.36
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	4.00	EA	$3,624.19	$14,496.76
570-1-1	PERFORMANCE TURF	151.18	SY	$6.88	$1,040.12

Drainage Component Total $40,847.20

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$533.45	$533.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	8.00	EA	$1,918.21	$15,345.68
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	8.00	EA	$58.36	$466.88
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78

Signing Component Total $24,660.24

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	8

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,600.00	LF	$24.85	$39,760.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	8.00	EA	$1,708.32	$13,666.56
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	4,800.00	LF	$6.55	$31,440.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	8.00	EA	$16,000.00	$128,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	8.00	EA	$1,175.12	$9,400.96
	Subcomponent Total				$222,267.52

Lighting Component Total $222,267.52

Sequence 2 Total $1,092,687.99

Sequence: 5 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.210 MI 1,110 LF

Description: Ramp B - NB off two lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.210
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.53	AC	$61,068.42	$93,434.68
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	224.63	CY	$53.86	$12,098.57
	Earthwork Component Total				$105,533.25

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 9.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	3,576.20	SY	$21.48	$76,816.78
285-709	OPTIONAL BASE,BASE GROUP 09	1,150.55	SY	$58.67	$67,502.77
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,849.76	SY	$7.52	$13,910.20
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	152.61	TN	$188.86	$28,821.92
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	152.61	TN	$188.86	$28,821.92
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	73.99	TN	$206.53	$15,281.15
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	91.56	TN	$206.53	$18,909.89

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	28.00	EA	$4.96	$138.88
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.84	GM	$1,448.71	$1,216.92
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.42	GM	$820.00	$344.40
	Roadway Component Total				$251,764.83

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,807.83	SY	$42.51	$76,850.85
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	94.95	TN	$188.86	$17,932.26
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	69.06	TN	$206.53	$14,262.96
570-1-1	PERFORMANCE TURF	739.90	SY	$6.88	$5,090.51

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,552.67	LF	$3.32	$8,474.86
104-11	FLOATING TURBIDITY BARRIER	21.02	LF	$15.96	$335.48
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	21.02	LF	$19.18	$403.16
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.51	AC	$57.63	$29.39
107-2	MOWING	0.51	AC	$88.49	$45.13
	Shoulder Component Total				$128,326.03

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	32.00	LF	$278.89	$8,924.48
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00	EA	$3,624.19	$10,872.57
570-1-1	PERFORMANCE TURF	84.92	SY	$6.88	$584.25
	Drainage Component Total				$25,355.54

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$533.45	$533.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	5.00	EA	$1,918.21	$9,591.05
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	5.00	EA	$58.36	$291.80
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$18,730.53

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00	LF	$24.85	$19,880.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	4.00	EA	$1,708.32	$6,833.28
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	2,400.00	LF	$6.55	$15,720.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	4.00	EA	$16,000.00	$64,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	4.00	EA	$1,175.12	$4,700.48
	Subcomponent Total				$111,133.76
	Lighting Component Total				$111,133.76

Sequence 5 Total $640,843.94

Sequence: 6 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.081 MI 428 LF

Description: Ramp B - NB off four lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	40.00 / 40.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.081
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.79	AC	$61,068.42	$48,244.05
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	195.94	CY	$53.86	$10,553.33
	Earthwork Component Total				$58,797.38

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	4
Existing Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	12.00 / 12.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,093.46	SY	$21.48	$44,967.52
285-709	OPTIONAL BASE,BASE GROUP 09	1,173.29	SY	$58.67	$68,836.92
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,141.89	SY	$7.52	$8,587.01
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	94.21	TN	$188.86	$17,792.50
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	157.01	TN	$188.86	$29,652.91
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	45.68	TN	$206.53	$9,434.29
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	94.21	TN	$206.53	$19,457.19

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	3

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	55.00	EA	$4.96	$272.80
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.32	GM	$1,448.71	$463.59
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.49	GM	$820.00	$401.80

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $199,866.53

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	697.50	SY	$42.51	$29,650.72
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	36.64	TN	$188.86	$6,919.83
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	26.64	TN	$206.53	$5,501.96
570-1-1	PERFORMANCE TURF	285.47	SY	$6.88	$1,964.03

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	984.88	LF	$3.32	$3,269.80
104-11	FLOATING TURBIDITY BARRIER	8.11	LF	$15.96	$129.44
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	8.11	LF	$19.18	$155.55

104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.20	AC	$57.63	$11.53
107-2	MOWING	0.20	AC	$88.49	$17.70
	Shoulder Component Total				$52,522.00

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	16.00	LF	$278.89	$4,462.24
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	$310.89	$2,487.12
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	1.00	EA	$3,624.19	$3,624.19
570-1-1	PERFORMANCE TURF	32.76	SY	$6.88	$225.39
	Drainage Component Total				$10,798.94

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$533.45	$533.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	2.00	EA	$1,918.21	$3,836.42
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	2.00	EA	$58.36	$116.72
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$12,800.82

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	400.00	LF	$24.85	$9,940.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	2.00	EA	$1,708.32	$3,416.64
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,200.00	LF	$6.55	$7,860.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	2.00	EA	$16,000.00	$32,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	2.00	EA	$1,175.12	$2,350.24
	Subcomponent Total				$55,566.88

Lighting Component Total	$55,566.88
Sequence 6 Total	$390,352.55

Sequence: 7 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.371 MI 1,956 LF

Description: Ramp C - NB on two lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.370
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.69	AC	$61,068.42	$164,274.05
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	395.78	CY	$53.86	$21,316.71
	Earthwork Component Total				$185,590.76

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 9.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	6,303.44	SY	$21.48	$135,397.89
285-709	OPTIONAL BASE,BASE GROUP 09	2,027.97	SY	$58.67	$118,981.00
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	3,260.40	SY	$7.52	$24,518.21
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	268.98	TN	$188.86	$50,799.56
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	268.98	TN	$188.86	$50,799.56
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	130.42	TN	$206.53	$26,935.64
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	161.39	TN	$206.53	$33,331.88

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	50.00	EA	$4.96	$248.00
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.48	GM	$1,448.71	$2,144.09
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.74	GM	$820.00	$606.80

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $443,762.63

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	3,186.50	SY	$42.51	$135,458.12
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	167.37	TN	$188.86	$31,609.50
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	121.72	TN	$206.53	$25,138.83
570-1-1	PERFORMANCE TURF	1,304.16	SY	$6.88	$8,972.62

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	4,499.35	LF	$3.32	$14,937.84
104-11	FLOATING TURBIDITY BARRIER	37.05	LF	$15.96	$591.32
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	37.05	LF	$19.18	$710.62

104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.90	AC	$57.63	$51.87
107-2	MOWING	0.90	AC	$88.49	$79.64
	Shoulder Component Total				$222,451.79

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	56.00	LF	$278.89	$15,617.84
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	24.00	LF	$310.89	$7,461.36
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	4.00	EA	$3,624.19	$14,496.76
570-1-1	PERFORMANCE TURF	149.68	SY	$6.88	$1,029.80
	Drainage Component Total				$38,605.76

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$533.45	$533.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	8.00	EA	$1,918.21	$15,345.68
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	8.00	EA	$58.36	$466.88
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$24,660.24

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	8

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,600.00	LF	$24.85	$39,760.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	8.00	EA	$1,708.32	$13,666.56
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	4,800.00	LF	$6.55	$31,440.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	8.00	EA	$16,000.00	$128,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	8.00	EA	$1,175.12	$9,400.96
	Subcomponent Total				$222,267.52

Lighting Component Total	$222,267.52
Sequence 7 Total	$1,137,338.70

Sequence: 9 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.243 MI 1,285 LF

Description: Ramp D - SB off one lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	15.00 / 15.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.243
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.88	AC	$61,068.42	$53,740.21
	Earthwork Component Total				$53,740.21

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Existing Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	2,141.92	SY	$7.52	$16,107.24
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	176.71	TN	$188.86	$33,373.45
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	85.68	TN	$206.53	$17,695.49

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.97	GM	$1,448.71	$1,405.25

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $68,581.43

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	951.01	SY	$42.51	$40,427.44
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	47.12	TN	$188.86	$8,899.08
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	34.27	TN	$206.53	$7,077.78
570-1-1	PERFORMANCE TURF	856.77	SY	$6.88	$5,894.58

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,955.85	LF	$3.32	$9,813.42
104-11	FLOATING TURBIDITY BARRIER	24.34	LF	$15.96	$388.47
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	24.34	LF	$19.18	$466.84
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.59	AC	$57.63	$34.00
107-2	MOWING	0.59	AC	$88.49	$52.21

Shoulder Component Total $77,955.25

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	40.00	LF	$278.89	$11,155.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$310.89	$4,974.24
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00	EA	$3,624.19	$10,872.57
570-1-1	PERFORMANCE TURF	98.33	SY	$6.88	$676.51
	Drainage Component Total				$27,678.92

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$533.45	$533.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	5.00	EA	$1,918.21	$9,591.05
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	5.00	EA	$58.36	$291.80
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$18,730.53

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	5

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,000.00	LF	$24.85	$24,850.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	5.00	EA	$1,708.32	$8,541.60
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	3,000.00	LF	$6.55	$19,650.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	5.00	EA	$16,000.00	$80,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	5.00	EA	$1,175.12	$5,875.60
	Subcomponent Total				$138,917.20
	Lighting Component Total				$138,917.20

Sequence 9 Total $385,603.54

Sequence: 10 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.113 MI 596 LF

Description: Ramp D - SB off three lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.113
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.82	AC	$61,068.42	$50,076.10
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	144.52	CY	$53.86	$7,783.85
	Earthwork Component Total				$57,859.95

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	3
Existing Roadway Pavement Width L/R	24.00 / 24.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 12.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,119.51	SY	$21.48	$45,527.07
285-709	OPTIONAL BASE,BASE GROUP 09	816.67	SY	$58.67	$47,914.03
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	3,179.26	SY	$7.52	$23,908.04
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	262.29	TN	$188.86	$49,536.09
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	109.29	TN	$188.86	$20,640.51
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	127.17	TN	$206.53	$26,264.42
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	65.57	TN	$206.53	$13,542.17

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	61.00	EA	$4.96	$302.56
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.45	GM	$1,448.71	$651.92
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.45	GM	$820.00	$369.00

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $228,655.81

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	971.00	SY	$42.51	$41,277.21
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	51.00	TN	$188.86	$9,631.86
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	37.09	TN	$206.53	$7,660.20
570-1-1	PERFORMANCE TURF	397.41	SY	$6.88	$2,734.18

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,371.06	LF	$3.32	$4,551.92
104-11	FLOATING TURBIDITY BARRIER	11.29	LF	$15.96	$180.19
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	11.29	LF	$19.18	$216.54

104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.27	AC	$57.63	$15.56
107-2	MOWING	0.27	AC	$88.49	$23.89
	Shoulder Component Total				$71,192.98

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	16.00	LF	$278.89	$4,462.24
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	$310.89	$2,487.12
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	$3,624.19	$7,248.38
570-1-1	PERFORMANCE TURF	45.61	SY	$6.88	$313.80
	Drainage Component Total				$14,511.54

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$533.45	$533.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	3.00	EA	$1,918.21	$5,754.63
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	3.00	EA	$58.36	$175.08
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$14,777.39

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	400.00	LF	$24.85	$9,940.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	2.00	EA	$1,708.32	$3,416.64
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,200.00	LF	$6.55	$7,860.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	2.00	EA	$16,000.00	$32,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	2.00	EA	$1,175.12	$2,350.24
	Subcomponent Total				$55,566.88

Lighting Component Total	$55,566.88
Sequence 10 Total	$442,564.55

Sequence: 14 WDR - Widen/Resurface, Divided, Rural **Net Length:** 0.814 MI 4,300 LF

Description: SR 52

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	20.00 / 20.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.814
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	3.95	AC	$61,068.42	$241,220.26
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	526.89	CY	$53.86	$28,378.30
	Earthwork Component Total				$269,598.56

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	6
Existing Roadway Pavement Width L/R	36.00 / 36.00
Structural Spread Rate	220
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 14.00
Widened Inside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	330
Widened Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	15,289.00	SY	$21.48	$328,407.72
285-709	OPTIONAL BASE,BASE GROUP 09	6,846.61	SY	$58.67	$401,690.61
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	34,400.26	SY	$7.52	$258,689.96
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	3,784.03	TN	$188.86	$714,651.91
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,103.67	TN	$188.86	$208,439.12

337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	1,376.01	TN	$247.36	$340,369.83
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	267.56	TN	$247.36	$66,183.64

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	550.00	EA	$4.96	$2,728.00
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	6.52	GM	$1,448.71	$9,445.59
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	6.52	GM	$598.83	$3,904.37
	Roadway Component Total				$2,334,510.75

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	8.00 / 10.00
New Total Outside Shoulder Width L/R	8.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 5.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	4,615.37	SY	$42.51	$196,199.38
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	236.50	TN	$188.86	$44,665.39
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	172.00	TN	$247.36	$42,545.92
570-1-1	PERFORMANCE TURF	4,300.03	SY	$6.88	$29,584.21

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	3,469.00	SY	$81.67	$283,313.23

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	9,890.07	LF	$3.32	$32,835.03
104-11	FLOATING TURBIDITY BARRIER	81.44	LF	$15.96	$1,299.78

104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	81.44	LF	$19.18	$1,562.02
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
107-1	LITTER REMOVAL	5.92	AC	$57.63	$341.17
107-2	MOWING	5.92	AC	$88.49	$523.86
	Shoulder Component Total				$637,579.29

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	40.00
Performance Turf Width	36.00
New Total Median Shoulder Width L/R	0.00 / 0.00
New Paved Median Shoulder Width L/R	0.00 / 0.00
Existing Total Median Shoulder Width L/R	0.00 / 0.00
Existing Paved Median Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
570-1-1	PERFORMANCE TURF	17,200.13	SY	$6.88	$118,336.89

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,164.00	LF	$49.20	$57,268.80
	Comment: median curb and gutter (lt/rt)				
	Median Component Total				$175,605.69

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	656.00	LF	$278.89	$182,951.84
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	72.00	LF	$310.89	$22,384.08
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	33.00	EA	$3,624.19	$119,598.27
570-1-1	PERFORMANCE TURF	573.34	SY	$6.88	$3,944.58

Retention Basin 1

Description	Value
Size	.5 AC
Multiplier	1
Depth	6.00
Description	Expand exist pond

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount

110-1-1	CLEARING & GRUBBING	0.50	AC	$27,000.00	$13,500.00
120-1	REGULAR EXCAVATION	4,840.00	CY	$104.30	$504,812.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	$11,392.37	$11,392.37
425-2-71	MANHOLES, J-7, <10'	1.00	EA	$12,151.00	$12,151.00
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00	LF	$654.39	$36,645.84
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	200.00	LF	$612.49	$122,498.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	600.00	LF	$81.27	$48,762.00
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	1.00	EA	$5,256.99	$5,256.99
570-1-1	PERFORMANCE TURF	2,420.00	SY	$18.06	$43,705.20
	Drainage Component Total				$1,127,602.17

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	2.00	EA	$533.45	$1,066.90
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	20.00	EA	$1,918.21	$38,364.20
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	2.00	EA	$348.10	$696.20
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	20.00	EA	$58.36	$1,167.20
700-2-114	MULTI- COLUMN SIGN, F&I GM, 30.1-50 SF	2.00	EA	$8,985.18	$17,970.36
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	2.00	EA	$1,238.78	$2,477.56

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-2-116	MULTI- COLUMN SIGN, F&I GM, 100.1-200 SF	4.00	EA	$17,590.91	$70,363.64
700-3-105	SIGN PANEL, F&I GM, 51-100 SF	4.00	EA	$4,447.82	$17,791.28
700-3-206	SIGN PANEL, F&I OM, 101-200 SF	2.00	EA	$10,172.19	$20,344.38
700-4-114	OH STATIC SIGN STR, F&I, C 41-50 FT	2.00	EA	$182,265.02	$364,530.04
	Signing Component Total				$534,771.76

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	6 Lane Mast Arm
Multiplier	3
Description	

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,100.00	LF	$24.85	$52,185.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	900.00	LF	$40.59	$36,531.00

632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	3.00	PI	$13,923.07	$41,769.21
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	66.00	EA	$1,708.32	$112,749.12
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	3.00	AS	$7,134.25	$21,402.75
639-2-1	ELECTRICAL SERVICE WIRE, F&I	180.00	LF	$12.20	$2,196.00
641-2-11	PREST CNC POLE,F&I,TYP P-II,PEDESTAL	3.00	EA	$2,478.21	$7,434.63
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	18.00	EA	$114,308.63	$2,057,555.34
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	60.00	AS	$1,917.46	$115,047.60
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	24.00	AS	$1,277.10	$30,650.40
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	60.00	EA	$766.00	$45,960.00
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	60.00	AS	$1,793.71	$107,622.60
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	24.00	EA	$449.78	$10,794.72
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	3.00	AS	$49,929.96	$149,789.88
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	12.00	EA	$294.26	$3,531.12
	Signalizations Component Total				$2,795,219.37

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	**Value**
Multiplier (Number of Poles)	40

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	8,000.00	LF	$24.85	$198,800.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	40.00	EA	$1,708.32	$68,332.80
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	24,000.00	LF	$6.55	$157,200.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	40.00	EA	$16,000.00	$640,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	40.00	EA	$1,175.12	$47,004.80
	Subcomponent Total				$1,111,337.60
	Lighting Component Total				$1,111,337.60

Sequence 14 Total $8,986,225.19

Sequence: 15 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.091 MI 478 LF

Description: Ramp B - NB off 5 lane section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	40.00 / 40.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.090
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.87	AC	$61,068.42	$53,129.53
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	217.71	CY	$53.86	$11,725.86
	Earthwork Component Total				$64,855.39

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	5
Existing Roadway Pavement Width L/R	18.00 / 18.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	12.00 / 12.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,336.11	SY	$21.48	$50,179.64
285-709	OPTIONAL BASE,BASE GROUP 09	1,309.28	SY	$58.67	$76,815.46
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,911.36	SY	$7.52	$14,373.43
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	157.69	TN	$188.86	$29,781.33
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	175.21	TN	$188.86	$33,090.16
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	76.45	TN	$206.53	$15,789.22
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	105.12	TN	$206.53	$21,710.43

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	73.00	EA	$4.96	$362.08
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.36	GM	$1,448.71	$521.54
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.72	GM	$820.00	$590.40

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Roadway Component Total $243,213.69

SHOULDER COMPONENT

User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	6.00 / 6.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	778.35	SY	$42.51	$33,087.66
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	40.88	TN	$188.86	$7,720.60
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	29.73	TN	$206.53	$6,140.14
570-1-1	PERFORMANCE TURF	318.56	SY	$6.88	$2,191.69

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,099.03	LF	$3.32	$3,648.78
104-11	FLOATING TURBIDITY BARRIER	9.05	LF	$15.96	$144.44
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	9.05	LF	$19.18	$173.58

104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$4,709.30	$4,709.30
104-18	INLET PROTECTION SYSTEM	1.00	EA	$192.13	$192.13
107-1	LITTER REMOVAL	0.22	AC	$57.63	$12.68
107-2	MOWING	0.22	AC	$88.49	$19.47
	Shoulder Component Total				$58,040.47

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	16.00	LF	$278.89	$4,462.24
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	$310.89	$2,487.12
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	1.00	EA	$3,624.19	$3,624.19
570-1-1	PERFORMANCE TURF	36.56	SY	$6.88	$251.53
	Drainage Component Total				$10,825.08

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-111	SINGLE COL GRND SIGN AS, F&I GM, <12 SF	1.00	EA	$533.45	$533.45
700-1-112	SINGLE COL GRND SIGN AS, F&I GM, 12-20	2.00	EA	$1,918.21	$3,836.42
700-1-500	SINGLE COL GRND SIGN AS, RELOCATE	1.00	EA	$348.10	$348.10
700-1-600	SINGLE COL GRND SIGN AS, REMOVE	2.00	EA	$58.36	$116.72
700-2-113	MULTI- COLUMN SIGN, F&I GM, 20.1-30 SF	1.00	EA	$6,727.35	$6,727.35
700-2-600	MULTI- COLUMN GROUND SIGN, REMOVE	1.00	EA	$1,238.78	$1,238.78
	Signing Component Total				$12,800.82

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	400.00	LF	$24.85	$9,940.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	2.00	EA	$1,708.32	$3,416.64
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,200.00	LF	$6.55	$7,860.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	2.00	EA	$16,000.00	$32,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	2.00	EA	$1,175.12	$2,350.24
	Subcomponent Total				$55,566.88

Lighting Component Total	$55,566.88
Sequence 15 Total	$445,302.33

Sequence: 16 MIS - Miscellaneous Construction **Net Length:** 0.000 MI 0 LF

Description: Landscaping

LANDSCAPING COMPONENT

User Input Data

Description	Value
Lump Sum	1,646,418.00
Cost %	0.00
Component Detail	N

Landscaping Component Total $1,646,418.00

Sequence 16 Total $1,646,418.00

Sequence: 17 MIS - Miscellaneous Construction **Net Length:** 0.000 MI 0 LF

Description: ITS

MISCELLANEOUS COMPONENT

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
ITS	ITS, MOC, 4% OF SUBTOTAL	1.00	1	$658,566.70	$658,566.70
	Miscellaneous Component Total				$658,566.70

Sequence 17 Total $658,566.70

Sequence: 18 MIS - Miscellaneous Construction **Net Length:** 0.000 MI 0 LF

Description: 25% Unknown

MISCELLANEOUS COMPONENT

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
25% UNKNOWN	FOR INFLATION	1.00	1	$4,813,300.00	$4,813,300.00
	Miscellaneous Component Total				$4,813,300.00

Sequence 18 Total $4,813,300.00

Date: 2/12/2025 9:30:24 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 448068-1-22-01 **Letting Date:** 01/2099

Description: PD&E WIDEN SUNCOAST PKWY(SR589) - S OF VAN DYKE RD TO SR52 (MP13-29)

District: 08 **County:** 97 TURNPIKE **Market Area:** 99 **Units:** English
Contract Class: 3 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 15.979 MI

Project Manager: SHARMA

Version 14 Project Grand Total **$25,123,436.22**
Description: SR 52

Project Sequences Subtotal **$20,639,203.49**

102-1	Maintenance of Traffic	10.00 %	$2,063,920.35
101-1	Mobilization	10.00 %	$2,270,312.38

Project Sequences Total **$24,973,436.22**

Project Unknowns	0.00 %	$0.00
Design/Build	0.00 %	$0.00

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	$150,000.00	$150,000.00

Project Non-Bid Subtotal **$150,000.00**

Version 14 Project Grand Total **$25,123,436.22**