

General/Standards

- l. *Place signing, pavement markings and traffic control devices in accordance with the Manual on Uniform Traffic Control Devices, the plans, FDOT Design Standards, FDOT Plans Preparation Manual (PPM), FHWA Standard Highway Signs, Turnpike Plans Preparation and Practices Handbook (TPPPH), and FDOT Traffic Engineering Manual.*

Sign Placement and Installation

2. The Engineer will field verify all sign locations to ensure the sign is properly located and appropriate sign spacing is achieved (i.e., offset from travel lanes, spacing from other signs is adequate, no utility conflicts). The Field Engineer or CEI may make minor adjustments if the sign is not properly located, appropriate sign spacing is not met, or if utility conflicts are discovered. The Engineer of Record must be consulted on major adjustments. In all cases, roadway safety must be increased, not diminished.
3. Notify Sunshine State ONE CALL at 1-800-432-4770 and/or the appropriate utility owners in concurrence with Florida Statute 556.
4. Hand dig or vacuum excavate the first four feet of sign foundations.
5. Any work necessary in the shoulder area to construct signs, such as grading, sodding, clearing, and grubbing, is considered incidental to sign installation and is to be included in the cost of the sign assembly.
6. All existing signs shall be shown on the plans. Label "existing to remain" for those that are to remain in place. All existing signs are to remain visible until such time as the proposed sign installation is completed.
7. Remove or cut vegetation as needed to provide adequate sight distance for all overhead and ground mounted signs. Vegetation removal and trimming is included in the unit price of the sign assembly. Do not alter vegetation without prior approval from the Engineer.

Sign Panels /Faces

8. Use countersunk screws when using mechanical fasteners to attach sign panels to windbeams, brackets and splice plates for single and multi-post signs.
9. Patch attachment hardware, such as countersunk screws or rivet heads, with retroreflective buttons that match the color and sheeting material of the finished sign panel including the background, legend or border.
10. Ensure the outside corner of sign is concentric with border. Ensure white borders are designed and fabricated to be parallel to the edge of the sign. Ensure black borders are recessed from the edge of the sign.
11. Download the SunPass logo in Microstation format for use in sign fabrication from the Florida's Turnpike Traffic Design website: <http://design.floridasturnpike.com/> or obtain the logo by contacting the Turnpike Traffic Design Engineer at (407) 264-3418. The logo shall not be fabricated by hand cut-out method.

Overlays

12. When using an aluminum sheet overlay, ensure the overlay is a minimum of 0.04 inches thick. Determine the sheeting material of the existing sign and ensure the overlay sheeting type matches the existing sign.
13. When using an adhesive overlay, ensure the overlay is a removable opaque film that adheres to the sign. Ensure the sign face is clean and in good condition. Ensure the removal of the adhesive film does not damage the sign. The use of adhesive overlays is limited to 6 months or less. Use 3M Controltac Plus Changeable Graphic Film or equivalent.
14. Where panel overlays are specified, determine and match existing corner radii. Remove all existing overlays prior to proposed overlay installation. The cost is considered incidental and is to be included in the pay item for proposed overlay.
15. For partial panel overlays, ensure all existing copy to be overlaid is completely covered. Ensure the overlay does not cover any portion of the existing copy or border which is to remain visible.
16. Exercise caution while relocating or overlaying existing signs to prevent damage to signs. Verify and match existing letter sizes and fonts for signs that require overlays prior to fabrication of new panel.

Overhead Signs

17. Align the far edge of the sign panel, furthest from the upright, flush with the end of the horizontal chord of the cantilever structure.

Sign Panel Replacement

18. As part of sign panel replacements, include new vertical hanger beams, new horizontal wind beams, new bolts, new screws, new nuts, new washers, and all necessary hardware for a complete connection between the new sign panel and the existing sign structure.

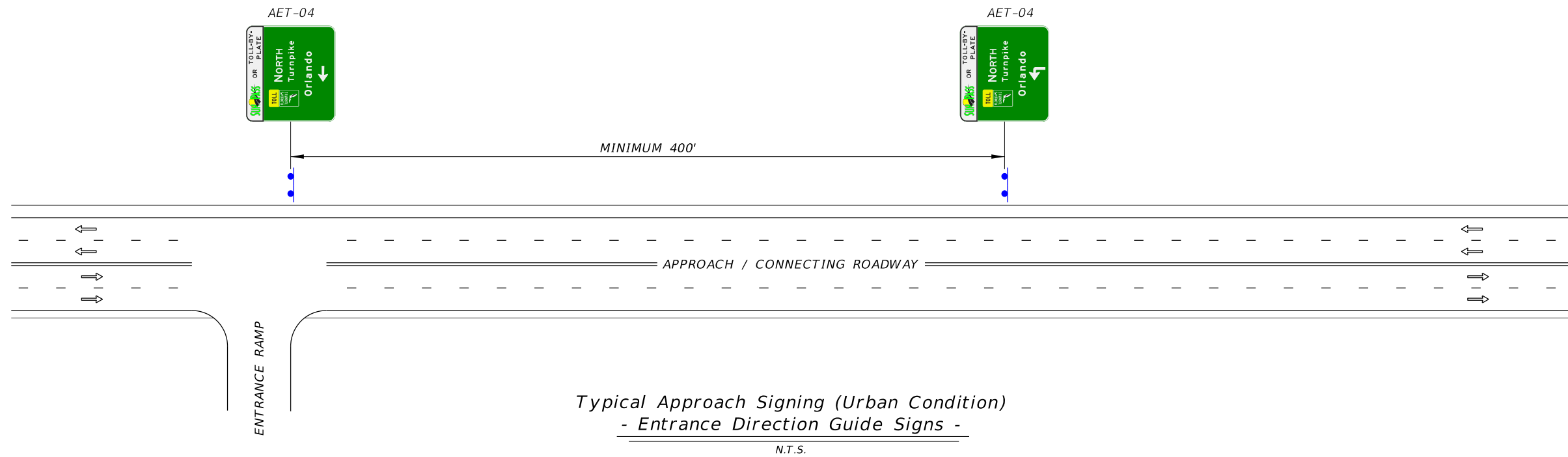
Sign Luminaires

19. Energize sign luminaires within 24 hours of overhead lighted sign installation.
20. "Night Aim" the sign luminaires to ensure proper illumination of the sign surface. The luminaires must be at an angle sufficient to prevent them from shining into the faces of drivers who are traveling in the opposite direction.
21. Ensure sign luminaires are similar or equal to Infinity, or other UL listed wet proof induction sign luminaire capable of accepting 120 to 480 volts without an external transformer. Clearly note the luminaire tilt angle for each sign and ensure the same for all luminaires on each specific sign. Place the angle convention detail on submittals to clearly depict tilt orientation. Use the following values for each area classification: 5-10 foot-candles (low); 10-20 foot-candles (medium); 20-40 foot-candles (high). Ensure the maximum/minimum uniformity value does not exceed 6:1 ratio. These values are average initial, use a maintenance factor of 1.00 in the calculations process.
22. Install the luminaires as per the spacing produced in the scaled photometric documentation and sign data instruction obtained from the contract documents. Should any deviations take place from these documents, provide photometric calculations to scale complying with the above parameters and submit documentation to the Engineer of Record prior to proceeding.
23. Top mounted luminaires are prohibited on the mainline or ramps.

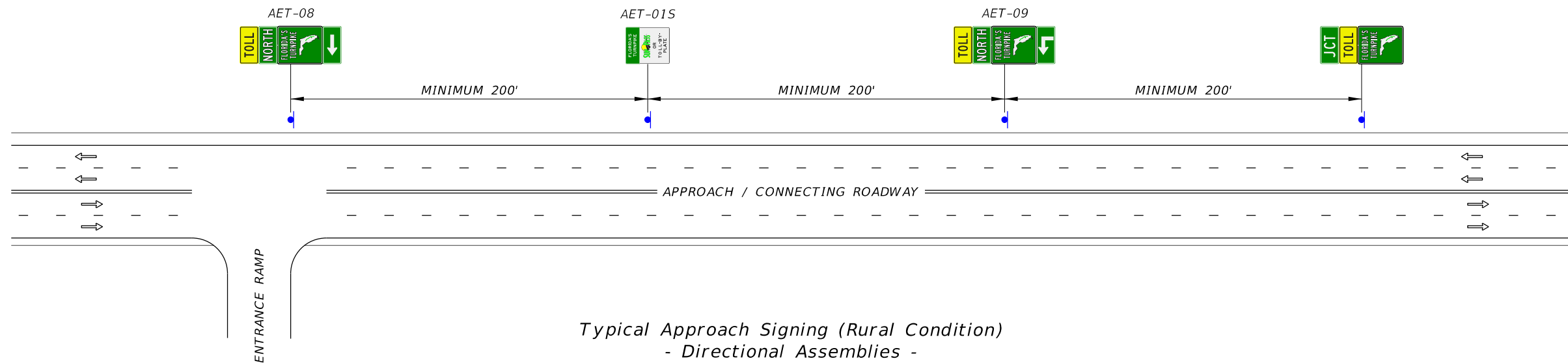
Pavement Marking and Reflective Pavement Markers

24. Ensure that proposed pavement markings at all existing or proposed interface locations match the existing pavement markings in terms of alignment. Any conflicting pavement markings shall be removed.
25. Work that includes extending or refurbishing of existing striping damaged during construction is included in the unit price of the pavement marking.
26. Pavement markings may be adjusted slightly as directed by the Engineer.
27. Lay out permanent final striping that leaves no visible marks at time of final acceptance.
28. Place a green RPM 4" outside of ground in rumble strip at each whole mile marker.
29. When removing pavement messages via water blasting, the entire area within the pavement message, including the interior of the message that is not painted or have thermoplastic, shall be water blasted so that the message outline is completely obliterated and drivers are not able to read or see the scar outlining the former message.

\$DATE\$	REVISIONS							STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<i>GENERAL NOTES</i>	SHEET NO.
	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		101-1



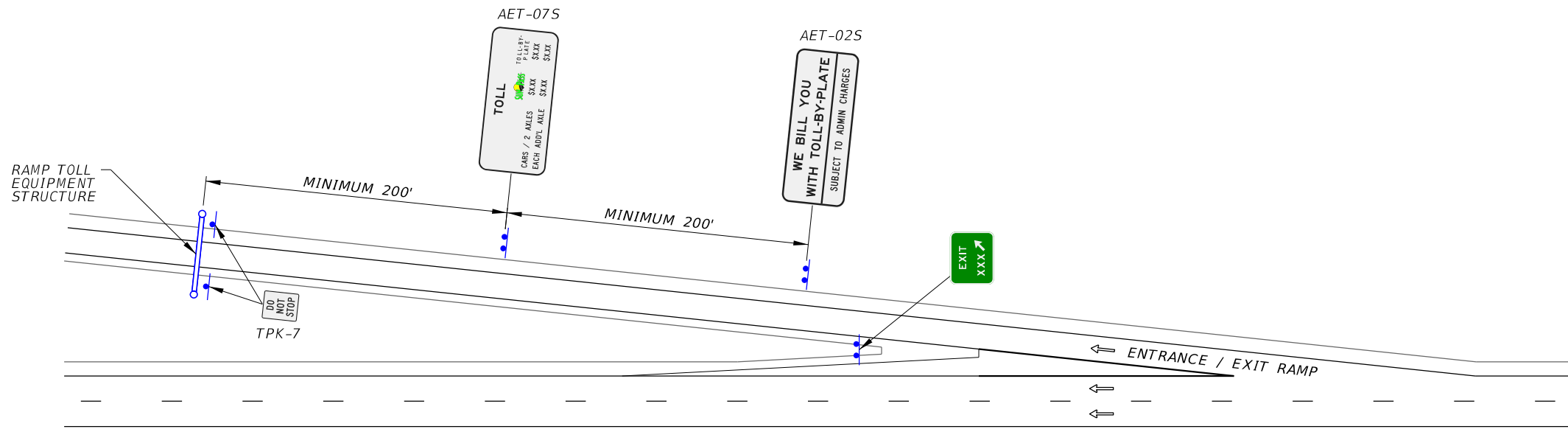
Typical Approach Signing (Urban Condition)
- Entrance Direction Guide Signs -
N.T.S.



Typical Approach Signing (Rural Condition)
- Directional Assemblies -
N.T.S.

- NOTES:
1. MINIMUM SPACING DISTANCES FOR SIGNS TO CONFORM TO THE TRAFFIC ENGINEERING MANUAL, AND F.A.C. RULE CHAPTER 14-51, TABLE 1.
 2. LEGENDS/MESSAGES SHOWN ON SIGNS AET-04 ARE PROVIDED AS AN EXAMPLE ONLY. ACTUAL DESIGNS SHALL BE SHOWN IN THE PLANS.

\$DATE\$	R E V I S I O N S						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ALL ELECTRONIC TOLLING CONNECTING ROADWAYS TYPICAL SIGNING LAYOUT	SHEET NO.
	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					ROAD NO.



Typical Entrance / Exit Ramp Signing
With Toll Equipment Structure
N.T.S.

NOTES:

1. MINIMUM SPACING DISTANCES FOR SIGNS SHALL CONFORM TO THE TRAFFIC ENGINEERING MANUAL AND F.A.C. RULE CHAPTER 14-51, TABLE 1.
2. TWO TPK-7 (DO NOT STOP) SIGNS ARE REQUIRED PER DIRECTION OF TRAVEL.
3. PLACEMENT OF AET-07S AND AET-02S SIGNS MAY BE BEFORE OR AFTER THE GANTRY, IF FIELD CONSTRAINTS WARRANT IT.

REVISIONS						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ALL ELECTRONIC TOLLING ENTRANCE/EXIT RAMP TYPICAL SIGNING LAYOUT	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					
										102-2
						ROAD NO.	COUNTY	FINANCIAL PROJECT ID		

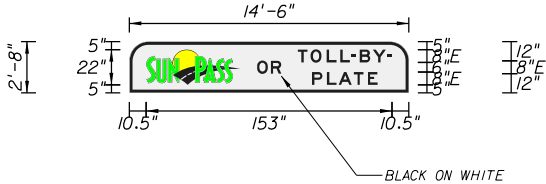


N.T.S.

1. MINIMUM SPACING DISTANCES FOR SIGNS SHALL CONFORM TO THE TRAFFIC ENGINEERING MANUAL AND F.A.C. RULE CHAPTER 14-51, TABLE 1.
2. TWO TPK-7 (DO NOT STOP) SIGNS ARE REQUIRED PER DIRECTION OF TRAVEL.
3. PLACEMENT OF AET-07S AND AET-02S SIGNS MAY BE BEFORE OR AFTER THE GANTRY, IF FIELD CONSTRAINTS WARRANT IT.

[illegible]

SIGN NAME	AET-04 (Top Panel)		SIGN NUMBER	STATION(S)		
PANEL	BORDER			none		
WIDTH	14'-6"	WIDTH	2"			
HEIGHT	2'-8"	RADII	12"			
LEGEND	Black	COLOR	Black			
COLOR	White					
SYMBOL(S)	ANGLE	X	Y	WID	HT	
SP-LOGO	0	10.5	5	58.7	22	
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH	



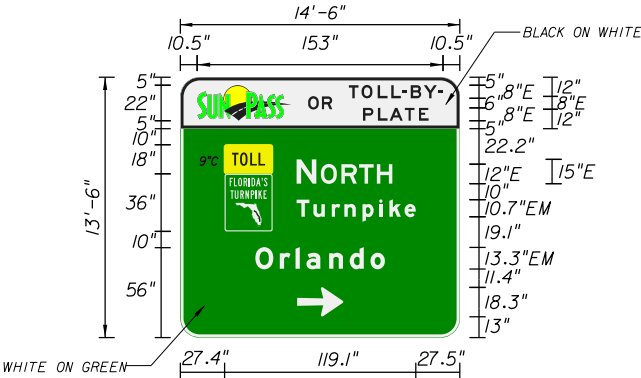
NOTES:

1. FOR WIDER WIDTHS, LEFT & RIGHT MARGIN SHOULD MATCH INTERWORD SPACING.
2. SIDE STREET APPLICATIONS.

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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COPY		T	O	L	L	-	B	Y	-	L									
SPACE	104.8	8	10	8.5	7	5.1	8.1	9.2	2.8	10.5	58.7								
COPY		O	R		L														
SPACE	79.5	8.6	6.5	79.4	15.1														
COPY		P	L	A	T	E		L											
SPACE	113.7	9.3	7.3	9.5	8.8	6	19.4	40.9											
COPY																			
SPACE																			
COPY																			
SPACE																			
COPY																			
SPACE																			

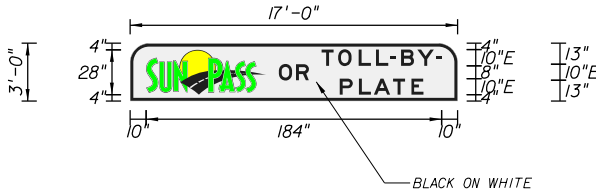
SIGN NAME	AET-04	QTY	I	SIGN NUMBER	STATION(S)	
PANEL	BORDER					
WIDTH	14'-6"	WIDTH	2"			
HEIGHT	13'-6"	RADII	12"			
LEGEND	White	COLOR	White			
COLOR	Green					
SYMBOL(S)	ANGLE	X	Y	WID	HT	
SP-LOGO	0	10.5	135	58.7	22	
M4-I5_TPK	0	27.4	102	30	18	
TP_SM	0	27.4	66	30	36	
ARMED	0	72.6	13.1	18.3	28.7	
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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COPY		T	O	L	L	-	B	Y	-	L									
SPACE	104.8	8	10	8.5	7	5.1	8.1	9.2	2.8	10.5	58.7								
COPY		O	R		L														
SPACE	79.5	8.6	6.5	79.4	15.1														
COPY		P	L	A	T	E		L											
SPACE	113.7	9.3	7.3	9.5	8.8	6	19.4	40.9											
COPY		N		O	R	T	H		L										
SPACE	72.4	12.2	2.8	12.8	11	11	9.7	42.1	59.5										
COPY		T	u	r	n	p	I	k	e	L									
SPACE	72.4	10.5	11.3	7.9	11.3	10.3	6.4	9.4	7	27.5	74.1								
COPY		O	r	I	a	n	d	o	L										
SPACE	46.7	15.2	9.8	6.8	14.1	12.9	12.9	9	46.6	80.7									

SIGN NAME	AET-06 (Top Panel)	SIGN NUMBER	STATION(S)		
PANEL	BORDER		none		
WIDTH	17'-0"	WIDTH	2"		
HEIGHT	3'-0"	RADII	12"		
LEGEND	Black	COLOR	Black		
COLOR	White				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SP-LOGO	0	10	4	74.7	28
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH



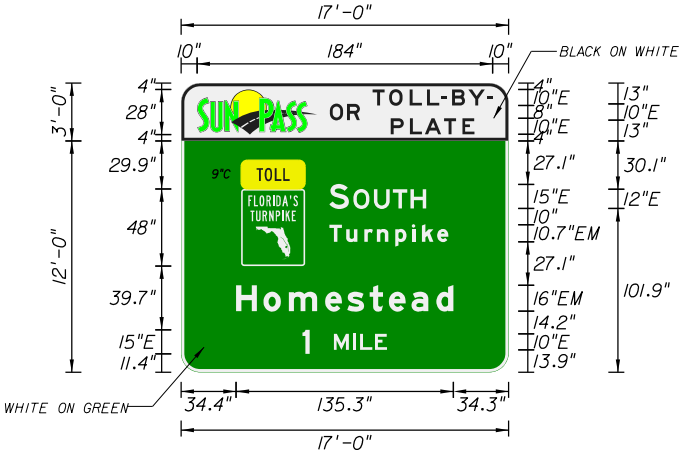
NOTES:

1. FOR WIDER WIDTHS, LEFT & RIGHT MARGIN SHOULD MATCH INTERWORD SPACING.
2. MAINLINE APPLICATIONS.
3. THE SPACE BETWEEN THE SUNPASS LOGO, THE WORD "OR" AND "TOLL-BY-PLATE" SHOULD NOT BE GREATER THAN 24".

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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COPY		T	O	L	L	-	B	Y	-	L									
SPACE	119.3	10.2	12.9	10.8	8.9	6.6	10.2	11.6	3.5	10	74.7								
COPY		O	R		L														
SPACE	92.6	10.7	8.1	92.6	18.8														
COPY		P	L	A	T	E		L											
SPACE	130.6	11.9	9.3	12	11.3	7.5	21.4	52											
COPY																			
SPACE																			
COPY																			
SPACE																			
COPY																			
SPACE																			

SIGN NAME	AET-06	QTY	I	SIGN NUMBER	STATION(S)	
PANEL	BORDER					
WIDTH	17'-0"	WIDTH	2"			
HEIGHT	15'-0"	RADII	12"			
LEGEND	White	COLOR	White			
COLOR	Green					
SYMBOL(S)	ANGLE	X	Y	WID	HT	
SP-LOGO	0	10	148	74.7	28	
TP_MD	0	37	66.1	40	48	
M4-I5_TPK	0	37	114.1	40	18	
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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COPY		T	O	L	L	-	B	Y	-	L									
SPACE	119.3	10.2	12.9	10.8	8.9	6.6	10.2	11.6	3.5	10	74.7								
COPY		O	R		L														
SPACE	92.6	10.7	8.1	92.6	18.8														
COPY		P	L	A	T	E		L											
SPACE	130.6	11.9	9.3	12	11.3	7.5	21.4	52											
COPY		S		O	U	T	H		L										
SPACE	92	12.1	2.8	12.8	11.8	11	9.7	51.8	60.2										
COPY		T	u	r	n	p	I	k	e	L									
SPACE	92	10.5	11.3	7.9	11.3	10.3	6.4	9.4	7	37.9	74.1								
COPY		H	o	m	e	s	t	e	a	d	L								
SPACE	34.4	17	15.8	22.6	13.8	13.9	12	14.1	15.5	10.6	34.3	135.3							

REVISIONS

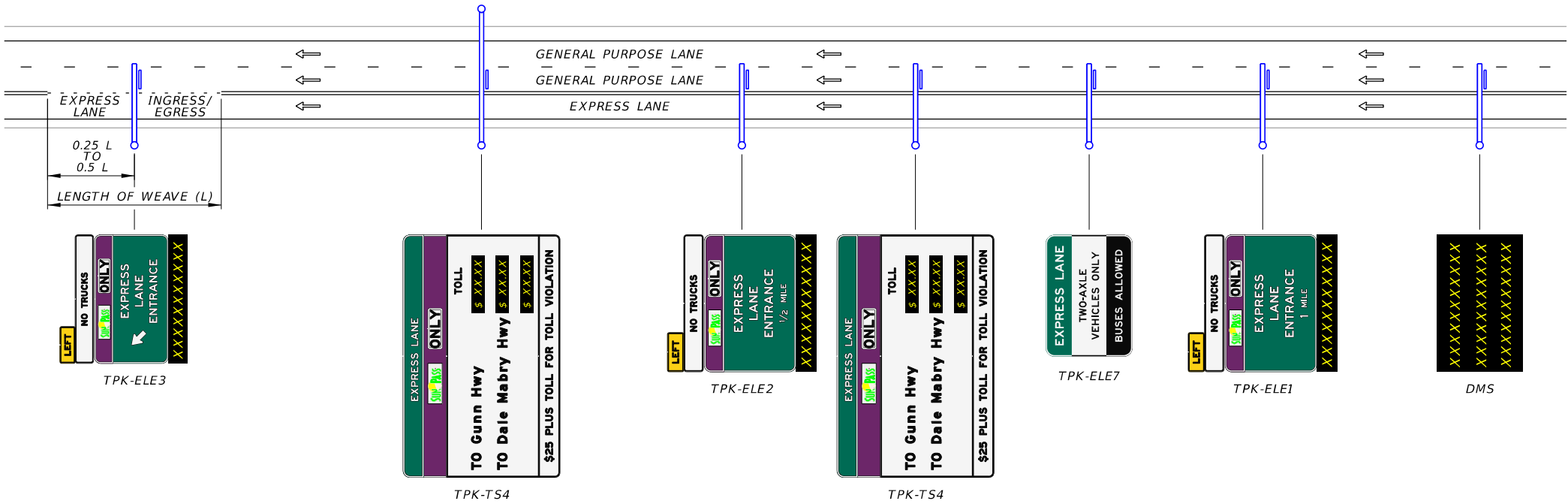
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ALL ELECTRONIC TOLLING TOLL-BY-PLATE SIGN PANELS	SHEET NO. 103-2
ROAD NO.	COUNTY	FINANCIAL PROJECT ID		



- NOTES:
1. SPACING BETWEEN SIGNS MAY VARY.
 2. MINIMUM SPACING SHALL BE 800 FEET.
 3. SEE SHEET 106-1 AND 106-2 FOR INGRESS/EGRESS DETAIL.
 4. SEE SHEET 107-1 FOR BUFFER ZONE DETAIL.

REVISIONS							STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			EXPRESS LANE ADVANCE SIGNING LAYOUT	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		104-1



Express Lane Advance Signing
- Intermediate Ingress / Egress -
N.T.S.

- NOTES:
- 1. SPACING BETWEEN SIGNS MAY VARY.
 - 2. MINIMUM SPACING SHALL BE 800 FEET.
 - 3. SEE SHEET 106-1 AND 106-2 FOR INGRESS/EGRESS DETAIL.
 - 4. SEE SHEET 107-1 FOR BUFFER ZONE DETAIL.

REVISIONS						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	EXPRESS LANE ADVANCE SIGNING LAYOUT		SHEET NO. 104-2
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				
						ROAD NO.	COUNTY	FINANCIAL PROJECT ID	

\$DATE\$

[illegible]

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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[illegible]

SIGN NAME	TPK-LES3	QTY	1	SIGN NUMBER	STATIONS
PANEL		BORDER		none	
WIDTH	17'-6"	WIDTH	2"		
HEIGHT	12'-0"	RADII	12"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)		ANGLE	X	Y	WT
FTP-1B-06		0	60.1	48	46.2
AR_Type A		315	163.1	41.2	22.2
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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[illegible][illegible]

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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[illegible][illegible]

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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[illegible]

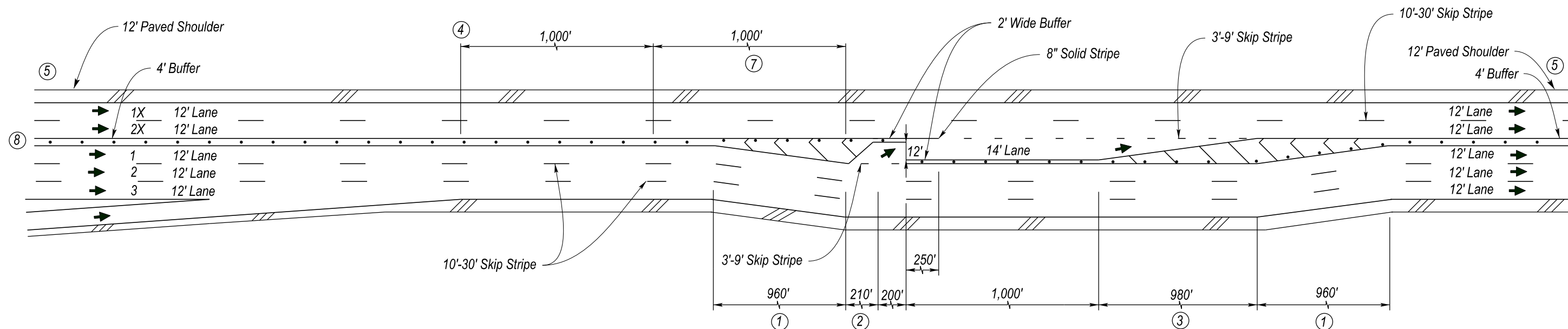
REVISIONS						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			EXPRESS LANE SIGN PANELS		SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION						105-4

[illegible]

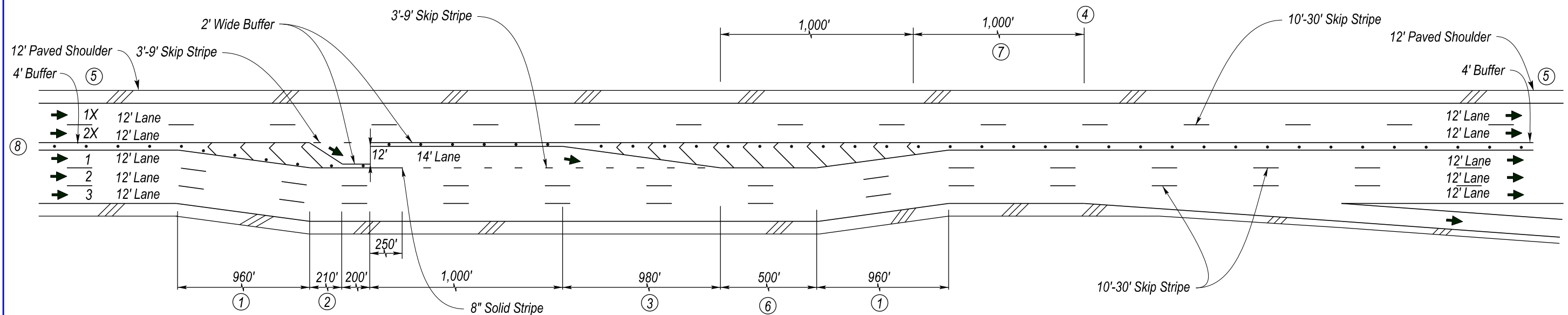
[illegible]

- ① Per FDOT PPM, Table 2.8.1a, Maximum Deflections Without Horizontal Curves, 0° 45' or 76.39:1. (Use 80:1).
- ② 15:1 Taper Is To Be Used To Achieve 180' Or 210' Taper Lengths.
- ③ Taper Length Based On $L=WS$. 70:1 Taper As Shown Assumes 70 MPH Design Speed.
- ④ This Applies To 1 Lane Parallel And Tapered Ramps. For 2 Lane Ramps And Auxiliary Lanes Establish This Point 1,500' After/Before Ramp Gore.

- ⑤ Provide Paved Shoulder Width In Accordance With FTE TPPPH.
- ⑥ Tangent Length Between Lane Deflection.
- ⑦ Provide 1000' For Each Lane Change.
- ⑧ See Sheet 107-1 For Buffer Zone Detail.



Slip Ramp - Typical Ingress Only



Slip Ramp - Typical Egress Only

NOT TO SCALE

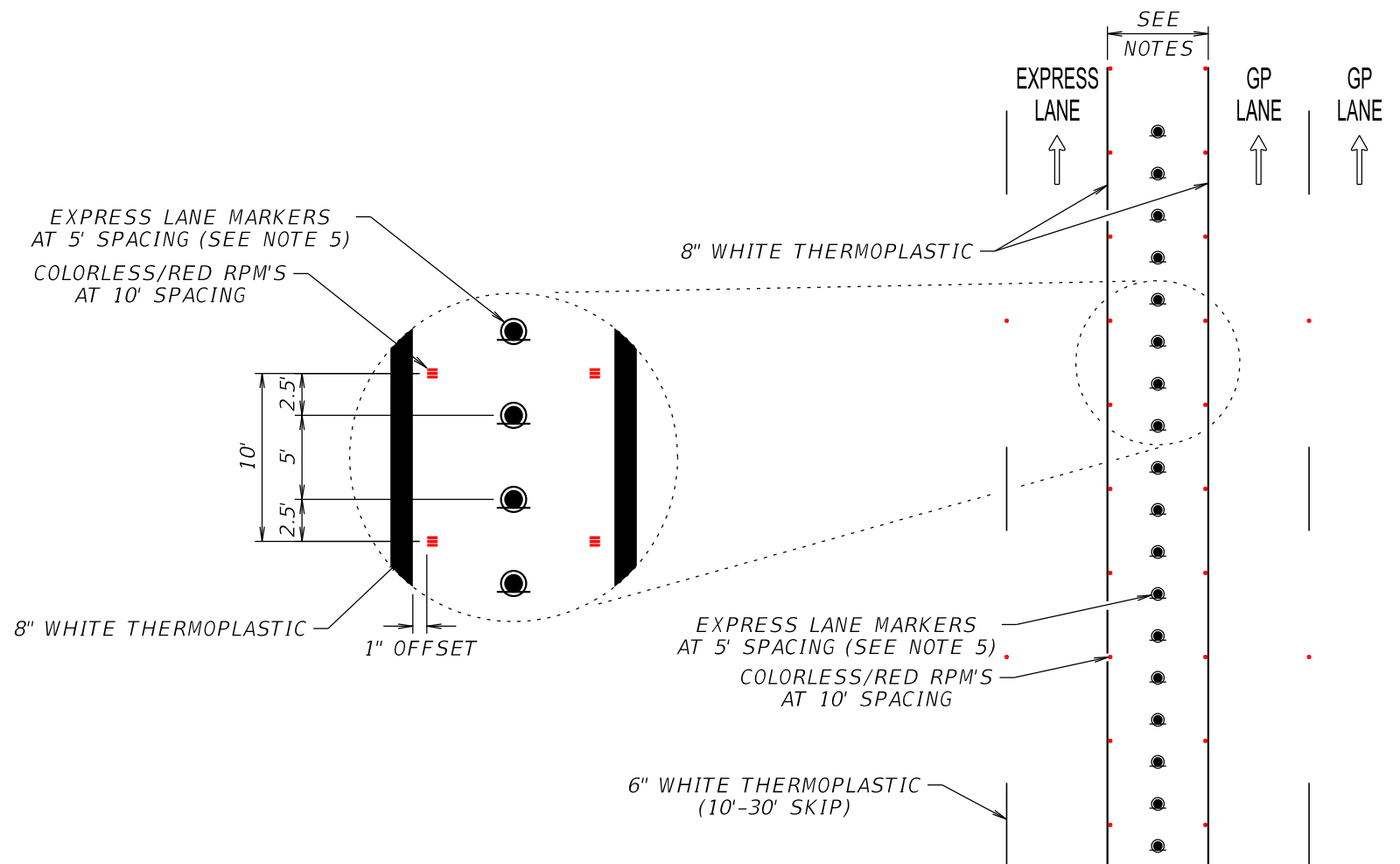
REVISIONS							STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			EXPRESS LANE INGRESS/EGRESS TYPICAL LAYOUT	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
											106-1

\$F11F\$

- ① Per FDOT PPM, Table 2.8.1a, Maximum Deflections Without Horizontal Curves, $0^{\circ} 45'$ or 76.39:1. (Use 80:1).
- ② 15:1 Taper Is To Be Used To Achieve 180' Or 210' Taper Lengths.
- ③ Taper Length Based On $L=WS$. 70:1 Taper As Shown Assumes 70 MPH Design Speed.
- ④ This Applies To 1 Lane Parallel And Tapered Ramps. For 2 Lane Ramps And Auxiliary Lanes Establish This Point 1,500' After/Before Ramp Gore.
- ⑤ Provide Paved Shoulder Width In Accordance With FTE TPPPH.
- ⑥ Tangent Length Between Lane Deflection.
- ⑦ Provide 1000' For Each Lane Change.
- ⑧ See Sheet 107-1 For Buffer Zone Detail.



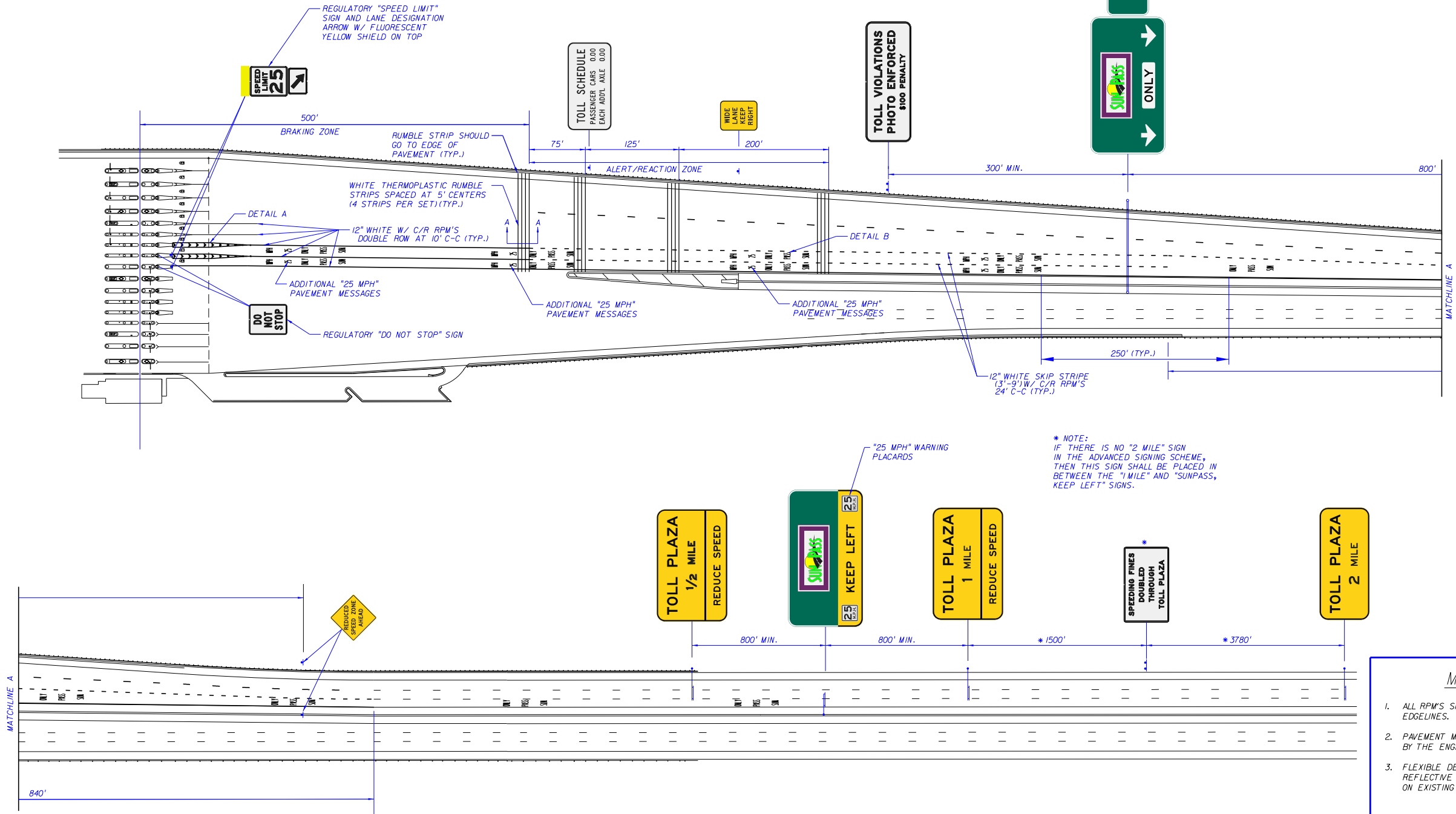
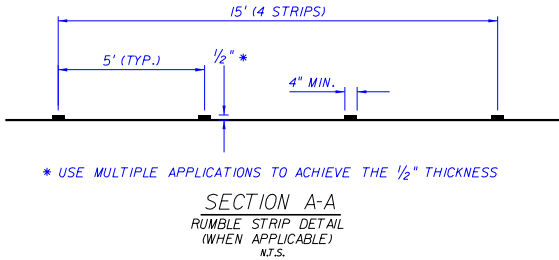
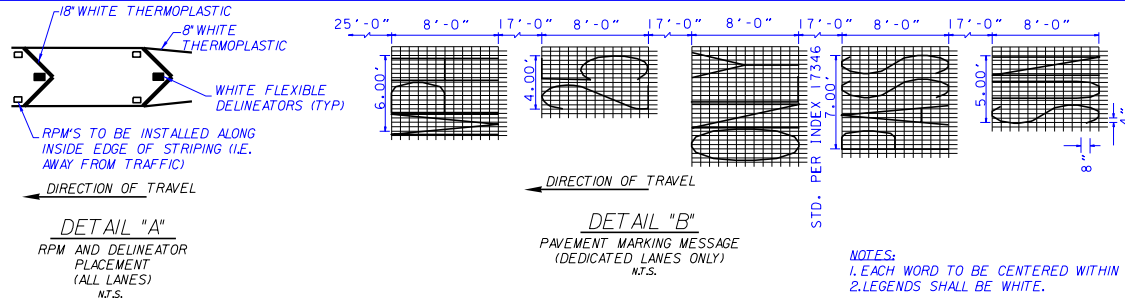
<i>R E V I S I O N S</i>							<i>STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</i>			<i>EXPRESS LANE INGRESS/EGRESS TYPICAL LAYOUT</i>		SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION							ROAD NO.



NOTES:

1. BUFFER WIDTH VARIES
2. DO NOT ADD CHEVRONS IF THE BUFFER WIDTH IS 2' OR LESS
3. FOR BUFFER WIDTHS 2' TO 12':
 - A) FOR A SLIP RAMP INGRESS/EGRESS CONFIGURATION, ADD 18" WHITE THERMOPLASTIC CHEVRON AT 40' SPACING WITHIN THE SLIP RAMP TRANSITION AREA AS SHOWN ON SHEET 106-1
 - B) FOR A WEAVE LANE INGRESS/EGRESS CONFIGURATION, ADD 18" WHITE THERMOPLASTIC CHEVRON AT 40' SPACING WITHIN THE WEAVE LANE TRANSITION AREA AS SHOWN ON SHEET 106-2
 - C) FOR A WEAVE ZONE INGRESS/EGRESS CONFIGURATION, ADD 18" WHITE THERMOPLASTIC CHEVRON AT 40' SPACING FOR 1,000' ON BOTH SIDES OF THE WEAVE AREA AS SHOWN ON SHEET 106-2
4. ADD 18" WHITE THERMOPLASTIC CHEVRON AT 40' SPACING WHEN THE BUFFER WIDTH IS GREATER THAN 12'
5. SPACING OF THE EXPRESS LANE MARKERS IS PROJECT SPECIFIC
6. WITHIN THE TOLLING PAVEMENT AREA AS DEFINED IN THE GTR:
 - A) BUFFER WIDTHS BETWEEN 8' AND 12' SHALL HAVE TWO (2) EXPRESS LANE MARKERS EVENLY SPACED TRANSVERSELY
 - B) BUFFER WIDTHS 12' AND GREATER SHALL HAVE THREE (3) EXPRESS LANE MARKERS EVENLY SPACED TRANSVERSELY
 - C) DO NOT PLACE EXPRESS LANE MARKERS OR RPM'S ON TOP OF LOOP SAW-CUT OR SEALANT

REVISIONS						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			EXPRESS LANE BUFFER ZONE DETAIL	SHEET NO. 107-1
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					
						ROAD NO.	COUNTY	FINANCIAL PROJECT ID		



N.T.S.

MAIN LINE PLAZA NOTES:

- ALL RPM'S SHALL BE PLACED ON THE ISLAND SIDE OF THE ADJACENT EDGELINES.
- PAVEMENT MARKINGS MAY BE ADJUSTED SLIGHTLY AS DIRECTED BY THE ENGINEER.
- FLEXIBLE DELINEATORS SHALL BE 48" HIGH AND WHITE WITH A 3" X 12" REFLECTIVE STRIP. THE DELINEATOR SHALL BE SURFACE MOUNTED ON EXISTING PAVEMENT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID

DUAL DEDICATED MAINLINE
TOLL PLAZA SIGNING AND
PAVEMENT MARKING LAYOUT

SHEET NO.
108-1

SIGN NAME	TPK-TOLLI	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	13'-6"	WIDTH	2"		
HEIGHT	8'-6"	RADII	12"		
LEGEND	Black	COLOR	Black		
COLOR	Yellow				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH

Diagram of a yellow rectangular traffic sign with rounded corners. The sign is divided into two horizontal sections. The top section contains the text "TOLL PLAZA" in large, bold, black capital letters, followed by "1/2 MILE" in smaller, bold, black capital letters. The bottom section contains the text "REDUCE SPEED" in large, bold, black capital letters. Dimensions are indicated with arrows and text: overall width is 13'-6", overall height is 8'-6". Specific dimensions include 42.5" for the top section height, 15"E for the top section edge, 44.5" for the bottom section height, 15"E for the bottom section edge, 14.3" for the bottom section edge, 8.7" 2" for the bottom section edge, 12"E for the bottom section edge, 10" for the bottom section edge, 9.65" for the side margins, and 142.7" for the main body width.

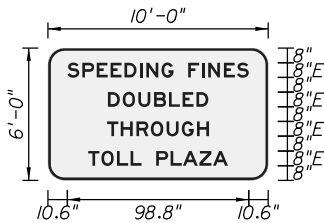
[illegible][illegible][illegible][illegible][illegible]

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

[illegible][illegible][illegible][illegible]

DATE\$	REVISIONS					STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TOLL PLAZA SIGNING DETAILS MAINLINE APPROACH SIGN PANELS	SHEET NO.
	DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		108-4

SIGN NAME	TPK-FINE	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				none
WIDTH	10'-0"	WIDTH	1.5"		
HEIGHT	6'-0"	RADII	9"		
LEGEND	Black	COLOR	Black		
COLOR	White				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE <small>Edge Of Lane</small>	COLUMN SIZE		AVERAGE LENGTH



FOR RAMP OR MAINLINE APPLICATION

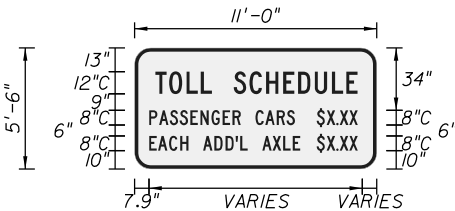
NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY		S	P	E	E	D	I	N	G	F	I	N	E	S	L						
SPACE	10.6	8.1	7.8	7.6	7.6	8.3	3.5	8.3	6.5	8	7.4	3.5	8.6	7.1	6.5	10.6	98.8				
COPY		D	O	U	B	L	E	D	L												
SPACE	32.5	8.1	8.6	8.6	8.1	7.4	7.6	6.5	32.6	54.9											
COPY		T	H	R	O	U	G	H	L												
SPACE	32.2	7.4	8.6	7.8	8.6	8.3	8.3	6.5	32.3	55.5											
COPY		T	O	L	L		P	L	A	Z	A		L								
SPACE	21.9	7.1	8.6	7.4	6	8	7.8	6.6	9	7.4	8.2	22	76.1								
COPY																					
SPACE																					
COPY																					
SPACE																					

SIGN NAME	TPK-TOLL5	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	11'-0"	WIDTH	2"		
HEIGHT	5'-6"	RADII	9"		
LEGEND	Black	COLOR	Black		
COLOR	White				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE <small>Edge Of Lane</small>	COLUMN SIZE		AVERAGE LENGTH

NOTES:

1. AMOUNT \$X.XX IS FOR SPACING PURPOSES ONLY. PROPER TOLL AMOUNT SHALL BE VERIFIED WITH THE TRAFFIC DESIGN ENGINEER PRIOR TO FABRICATION.



RAMP APPLICATION

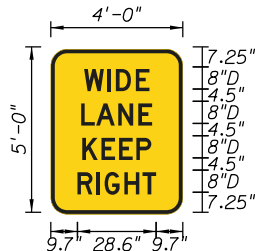
NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY		T	O	L	L	S	C	H	E	D	U	L	E	L							
SPACE	10.9	7.5	9.4	7.8	6.1	12	8.5	9.1	9.3	8.1	9.1	9.3	7.8	6.1	11	110.1					
COPY		P	A	S	S	E	N	G	E	R	C	A	R	S	L						
SPACE	7.9	5.4	5.8	5.4	5.8	5.4	6.1	6.1	5.4	4.5	8	5.4	6.2	5.4	4.5	44.7	79.4				
COPY		\$	X	.	X	X		L													
SPACE	99.2	5.9	VARIES	2.9	VARIES	VARIES	VARIES	VARIES													
COPY		E	A	C	H	A	D	D	.	L	A	X	L	E	L						
SPACE	7.9	4.8	6.1	6.1	4.5	8	6.2	6.1	5.5	2.5	4.1	8	5.6	5.8	5.2	4.1	41.5	82.6			
COPY		\$	X	.	X	X		L													
SPACE	99.2	5.9	VARIES	2.9	VARIES	VARIES	VARIES	VARIES													
COPY																					
SPACE																					

SIGN NAME	TPK-WIDE	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	4'-0"	WIDTH	1.5"		
HEIGHT	5'-0"	RADII	6"		
LEGEND	Black	COLOR	Black		
COLOR	Yellow				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE <small>Edge Of Lane</small>	COLUMN SIZE		AVERAGE LENGTH

NOTES:

1. ALTERNATE MESSAGE FOR "RIGHT" IS SHOWN ON LINE 6



FOR RAMP OR MAINLINE APPLICATION

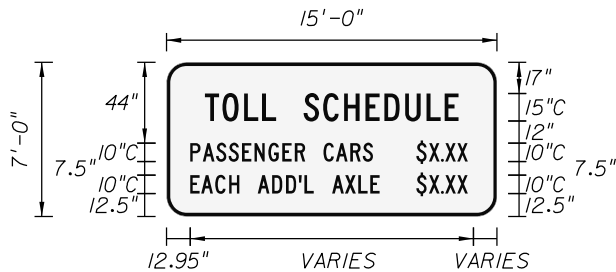
NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY		W	I	D	E	L															
SPACE	12.1	8.3	3.2	7.2	5	12.2	23.7														
COPY		L	A	N	E	L															
SPACE	11.1	5.4	8	7.4	5	11.1	25.8														
COPY		K	E	E	P	L															
SPACE	11.5	7	6.3	6.3	5.4	11.5	25														
COPY		R	I	G	H	T	L														
SPACE	9.7	6.8	3	7.2	6.6	5	9.7	28.6													
COPY																					
SPACE																					
COPY		L	E	F	T	L															
SPACE	12.2	6.4	6.4	5.9	4.9	12.2	23.6														

SIGN NAME	TPK-TOLL6	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	15'-0"	WIDTH	2"		
HEIGHT	7'-0"	RADII	11"		
LEGEND	Black	COLOR	Black		
COLOR	White				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE <small>Edge Of Lane</small>	COLUMN SIZE		AVERAGE LENGTH

NOTES:

1. AMOUNT \$X.XX IS FOR SPACING PURPOSES ONLY. PROPER TOLL AMOUNT SHALL BE VERIFIED WITH THE TRAFFIC DESIGN ENGINEER PRIOR TO FABRICATION.

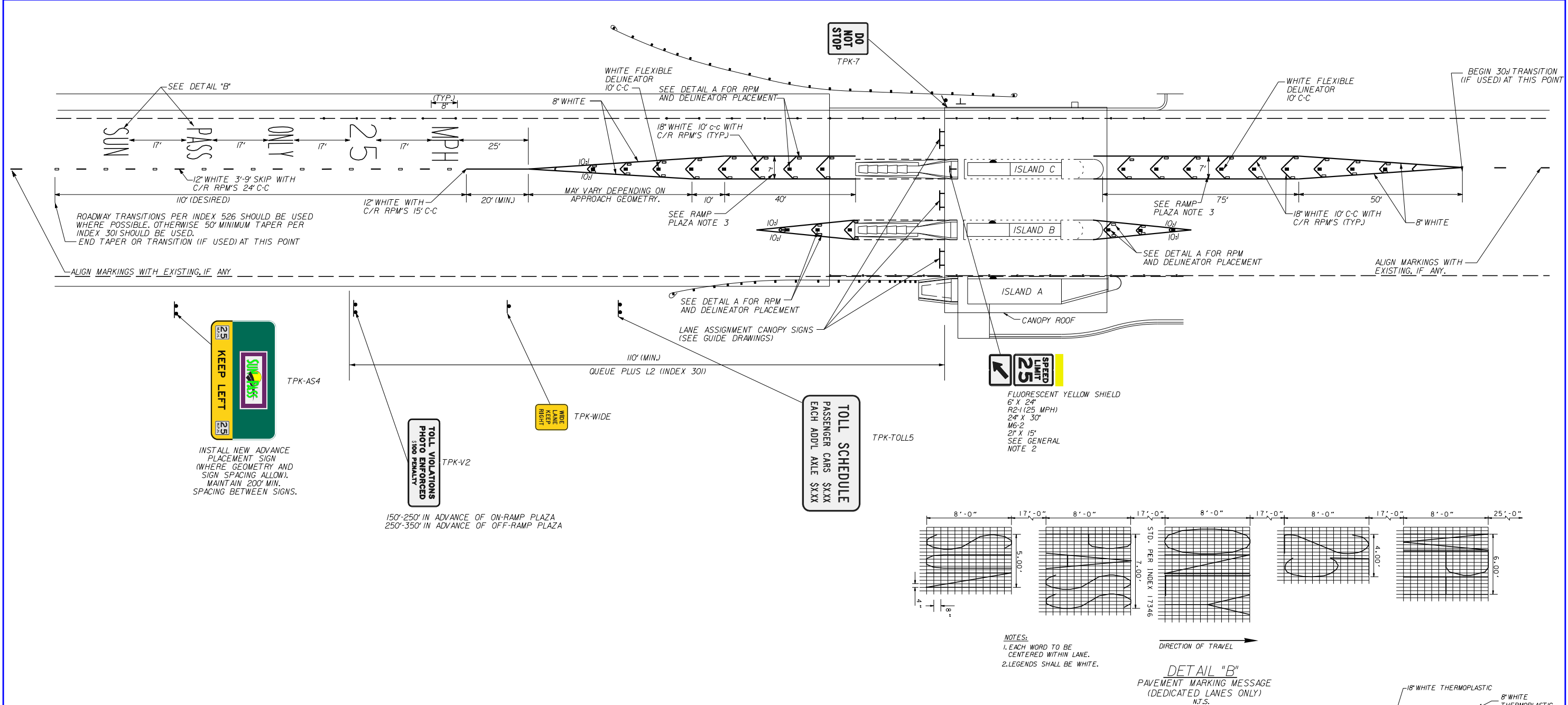


MAINLINE APPLICATION

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY		T	O	L	L	S	C	H	E	D	U	L	E	L							
SPACE	20.9	9.4	11.9	9.7	7.6	15	10.6	11.4	11.7	10.2	11.4	11.7	9.7	7.6	20.9	138.1					
COPY		P	A	S	S	E	N	G	E	R	C	A	R	S	L						
SPACE	12.9	6.8	7.3	6.8	7.3	6.8	7.6	7.6	6.8	5.6	10	6.8	7.8	6.8	5.6	67.6	99.6				
COPY		\$	X	.	X	X		L													
SPACE	136	7.4	VARIES	2.9	VARIES	VARIES	VARIES	VARIES													
COPY		E	A	C	H	A	D	D	.	L	A	X	L	E							
SPACE	12.9	6	7.6	7.6	5.6	10	7.8	7.6	6.9	3.1	5.1	10	7	7.3	6.5	5.1					
COPY		\$	X	.	X	X		L													
SPACE	20	7.4	VARIES	2.9	VARIES	VARIES	VARIES	VARIES													
COPY																					
SPACE																					

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TOLL PLAZA SIGNING DETAILS APPROACH SIGN PANELS		SHEET NO. 108-5
DATE	DESCRIPTION	DATE	DESCRIPTION						

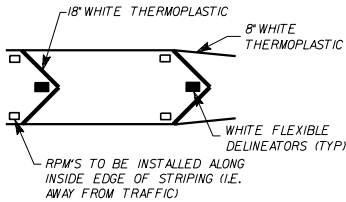
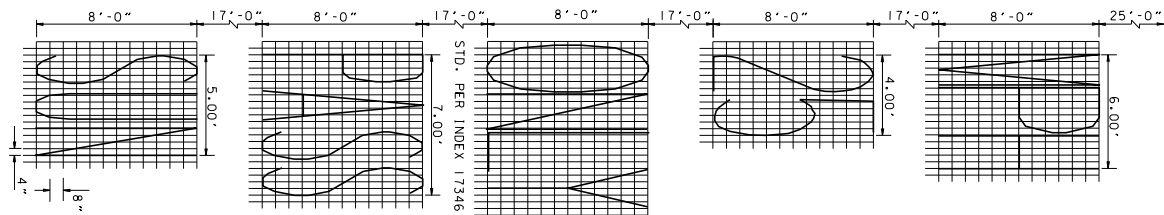


GENERAL NOTES:

- 1. ALL RPM'S SHALL BE PLACED ON THE ISLAND SIDE OF THE ADJACENT EDGELINES.
- 2. INSTALL 24"x30" SPEED LIMIT SIGN W/21" X 15" M6-2L PANEL ON UPPER PART OF CONCRETE ISLAND UPSTREAM OF BOOTH. SIGN SHALL BE MOUNTED CENTERED ON ISLAND WITH A 7' CLEARANCE UNDER SIGN TO PAVEMENT. SIGN SHALL BE ROTATED 22 1/2 DEGREES TOWARDS DEDICATED SUNPASS LANE OR AS DIRECTED BY THE ENGINEER.
- 3. SUNPASS SIGNS CAN BE DOWNLOADED FROM:
<http://www.floridasturnpike.com/design/prod design/traffic/traffloguidedrawings.html>
- 4. PAVEMENT MARKINGS MAY BE ADJUSTED SLIGHTLY AS DIRECTED BY THE ENGINEER.
- 5. TOLL COLLECTOR WARNING SIGNS SHALL BE FURNISHED AND INSTALLED (ANCHOR BOLTED) ON THE ISLAND BARRIER WALL AND ON BOOTH FACING EACH STAIRWELL OR WALKWAY ACROSS ISLAND. SIGNS ATTACHED TO BOOTH SHALL BE FASTENED WITH STAINLESS STEEL SCREWS. PLACEMENT SHALL PROVIDE OPTIMUM VISIBILITY.
- 6. FLEXIBLE DELINEATORS SHALL BE 48" HIGH, WHITE WITH 3" X 12" REFLECTIVE STRIP. THE DELINEATOR SHALL BE SURFACE MOUNTED ON EXISTING PAVEMENT.

RAMP PLAZA NOTES:

- 1. RIGHT SIDE DEDICATED LANE SHALL BE MIRROR-IMAGE OF THIS EXHIBIT.
- 2. TOLL COLLECTOR SIGNS SHALL BE INSTALLED ON ISLANDS BORDERING DEDICATED USE SUNPASS LANES ONLY.
- 3. FOR A DEDICATED LANE ON THE OUTSIDE OF THE PLAZA AND WITH AN EXISTING LANE WIDTH OF TWELVE FEET OR GREATER, THE CHANNELIZATION ISLAND SHALL BE WIDENED ONE FOOT FROM WHAT IS SHOWN ABOVE TO PROVIDE A MINIMUM STRIPED LANE WIDTH OF ELEVEN FEET.
- 4. FOR A DEDICATED LANE IN THE INTERIOR OF THE PLAZA AND WITH AN EXISTING LANE WIDTH OF TWELVE FEET OR GREATER, THE ADJACENT CHANNELIZATION ISLANDS SHALL BE WIDENED TO NARROW THE DEDICATED LANE TO TEN FEET.



N.T.S.

REVISIONS						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			RAMP TOLL PLAZA TYPICAL SUNPASS SIGNING AND PAVEMENT MARKINGS	SHEET NO. 108-6
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					
						ROAD NO.	COUNTY	FINANCIAL PROJECT ID		

SIGN NAME	TPK-AS4	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	12'-6"	WIDTH	2"		
HEIGHT	9'-0"	RADII	12"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
OtherETC	0	122.8	73	20	15
SunPassSmall	0	41.5	59	67	24
OtherETC	0	122.8	54	20	15
LogoPanelSmall	0	32.5	50	85	42
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH

NOTE:
1. ALTERNATE MESSAGES ALSO SHOWN ON LINE 3,4, AND 5 BELOW.

Diagram of a 'KEEP LEFT' sign panel. The panel is 12'-6" wide and 9'-0" high. It features a SunPass logo in the upper left and the text 'KEEP LEFT' in the lower right. Dimensions for the logo and text are provided: logo is 24" x 18", text is 12" x 13". Spacing and mounting dimensions are also shown.

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY		K	E	E	P		L	E	F	T		L								
SPACE	26.1	11.9	11.4	11.4	9.7	12	11	11.4	10	9	26.1	97.8								
COPY																				
SPACE																				
COPY		K	E	E	P		R	I	G	H	T		L							
SPACE	21.7	11.9	11.4	11.4	9.7	12	12.1	4.9	12.5	11.8	9	21.7	106.7							
COPY		C	E	N	T	E	R		L	A	N	E		L						
SPACE	12.1	12.5	11.4	11.8	11	11.4	9.7	12	10	14.3	12.8	9	12.1	125.9						
COPY		A	H	E	A	D		L												
SPACE	44.3	14.3	12.8	10.3	14.3	9.7	44.3	61.4												
COPY																				
SPACE																				

SIGN NAME		QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	WIDTH				
HEIGHT	RADII				
LEGEND	COLOR				
COLOR					
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH
NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE	
COPY					
SPACE					
COPY					
SPACE					
COPY					
SPACE					
COPY					
SPACE					
COPY					
SPACE					
COPY					
SPACE					

SIGN NAME	TPK-TOLL8	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				none
WIDTH	13'-6"	WIDTH	2"		
HEIGHT	8'-0"	RADII	12"		
LEGEND	Black	COLOR	Black		
COLOR	Yellow				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH

Diagram of a 'TOLL PLAZA AHEAD' sign panel. The panel is 13'-6" wide and 8'-0" high. It features the text 'TOLL PLAZA AHEAD' and 'REDUCE SPEED'. Dimensions for the text and panel are provided: 'TOLL PLAZA AHEAD' is 10.8" x 15.5", 'REDUCE SPEED' is 10.7" x 18.2". Spacing and mounting dimensions are also shown.

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY		T	O	L	L		P	L	A	Z	A		L							
SPACE	9.7	13.3	16.1	13.8	11.3	15	14.7	12.4	17	13.8	15.3	9.7	142.7							
COPY		A	H	E	A	D		L												
SPACE	50.2	14.5	12.6	10.5	14.5	9.6	50.1	61.6												
COPY		R	E	D	U	C	E		S	P	E	E	D		L					
SPACE	23.4	10.1	9.5	10.4	10.4	10.4	7.5	10	10.1	9.8	9.5	9.5	8.1	23.3	115.3					
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				

SIGN NAME		QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	WIDTH				
HEIGHT	RADII				
LEGEND	COLOR				
COLOR					
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH
NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE	
COPY					
SPACE					
COPY					
SPACE					
COPY					
SPACE					
COPY					
SPACE					
COPY					
SPACE					
COPY					
SPACE					

\$DATE\$

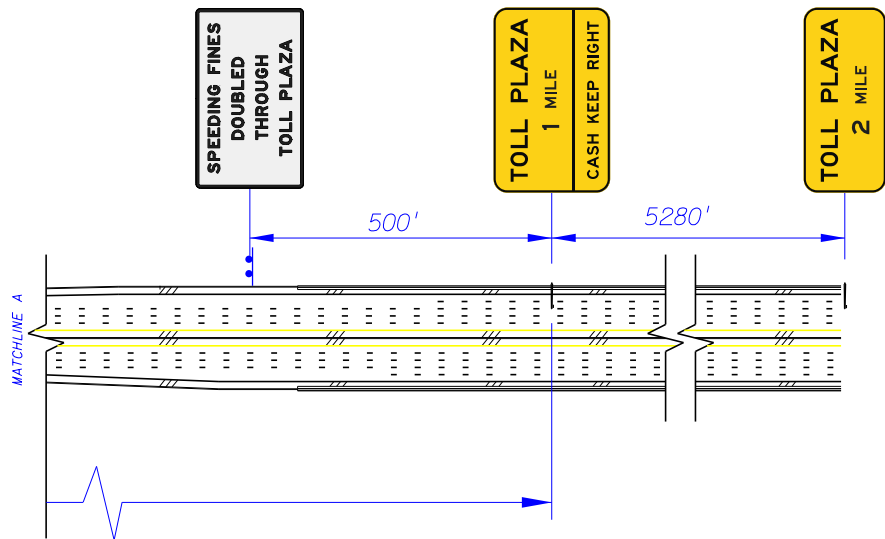
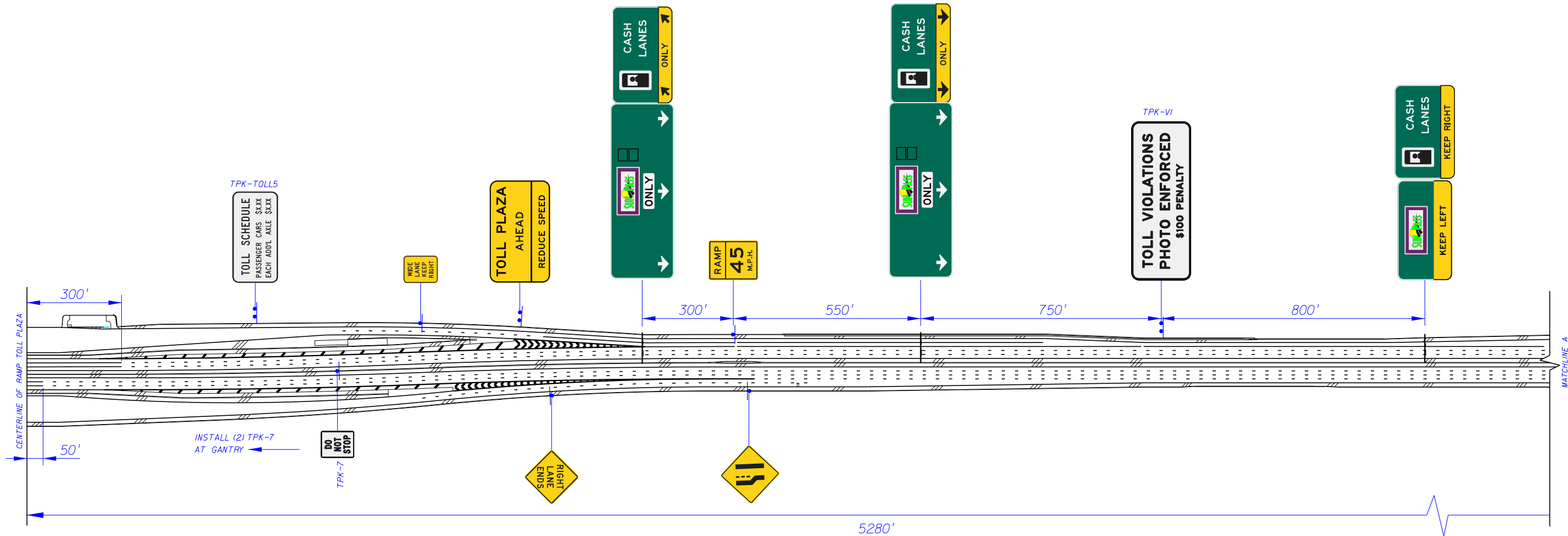
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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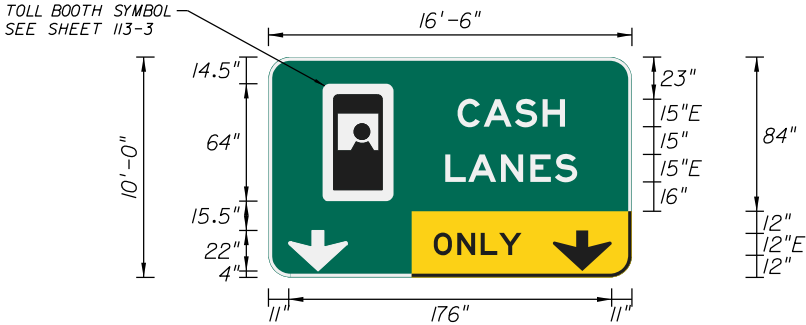
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID

ORT MAINLINE TOLL PLAZA SIGNING LAYOUT	SHEET NO.
	109-1

N.T.S.



SIGN NAME	TPK-CPX4	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	16'-6"	WIDTH	2"		
HEIGHT	10'-0"	RADII	12"		
LEGEND	Wht,Blk	COLOR	White		
COLOR	Green/Yellow				
SYMBOL(S)	ANGLE	X	Y	WID	HT
TB_ADV	0	29.8	41.5	38	64
ARSHRT	0	11	4	32	22
ARSHRT	0	155	4	32	22
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

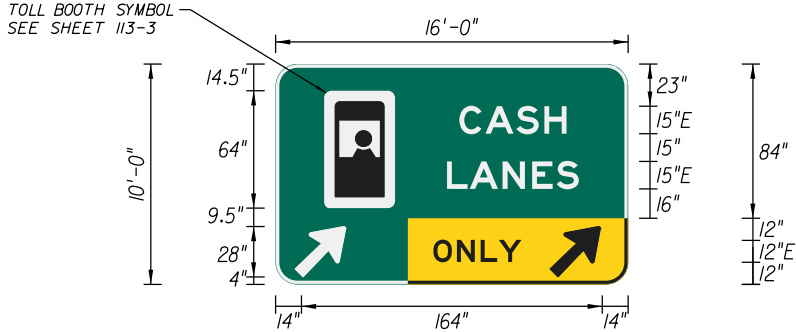
COPY		C	A	S	H		L												
SPACE	103	14.2	16.9	15.1	12.1	36.7	58.3												
COPY		L	A	N	E	S		L											
SPACE	96.2	12.4	17.9	16	13.3	12.2	30	71.8											
COPY		O	N	L	Y		L												
SPACE	90	12.8	12.8	10	12.2	60.2	47.8												
COPY																			
SPACE																			
COPY																			
SPACE																			
COPY																			
SPACE																			

SIGN NAME		QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	WIDTH				
HEIGHT	RADII				
LEGEND	COLOR				
COLOR					
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH	

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY																			
SPACE																			
COPY																			
SPACE																			
COPY																			
SPACE																			
COPY																			
SPACE																			
COPY																			
SPACE																			

SIGN NAME	TPK-CPX5	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	16'-0"	WIDTH	2"		
HEIGHT	10'-0"	RADII	12"		
LEGEND	Wht/Blk	COLOR	White		
COLOR	Green/Yellow				
SYMBOL(S)	ANGLE	X	Y	WID	HT
TB_ADV	0	26.7	41.5	38	64
ARSHRT	45	14	5.5	20	22.5
ARSHRT	45	160	5.5	20	22.5
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY		C	A	S	H		L												
SPACE	100	14.2	16.9	15.1	12.1	33.7	58.3												
COPY		L	A	N	E	S		L											
SPACE	93.2	12.4	17.9	16	13.3	12.2	27	71.8											
COPY		O	N	L	Y		L												
SPACE	86	12.8	12.8	10	12.2	58.2	47.8												
COPY																			
SPACE																			
COPY																			
SPACE																			
COPY																			
SPACE																			

SIGN NAME		QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	WIDTH				
HEIGHT	RADII				
LEGEND	COLOR				
COLOR					
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH	

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY																			
SPACE																			
COPY																			
SPACE																			
COPY																			
SPACE																			
COPY																			
SPACE																			
COPY																			
SPACE																			

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

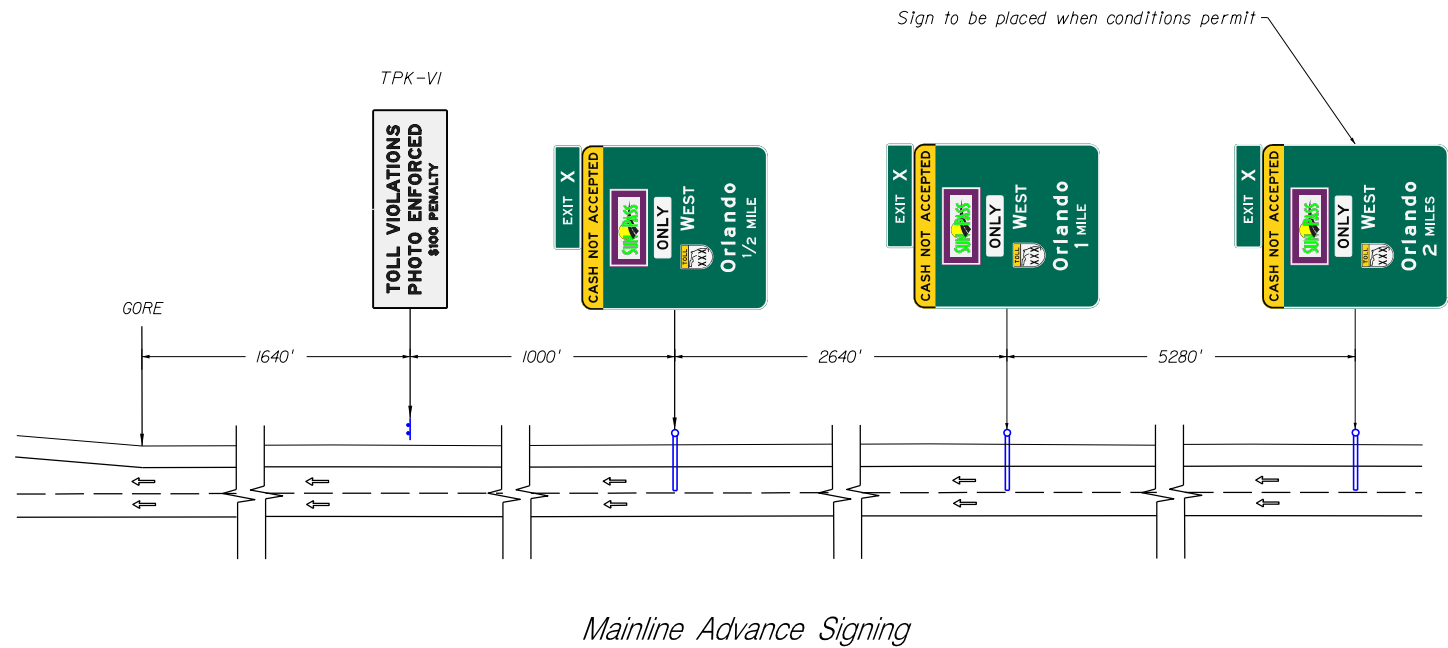
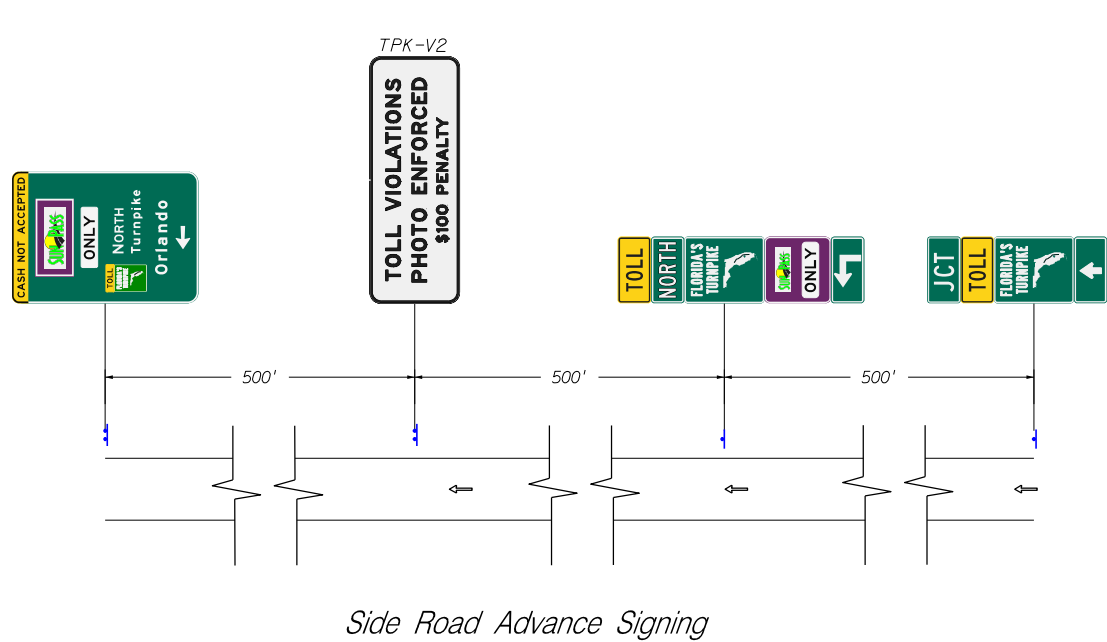
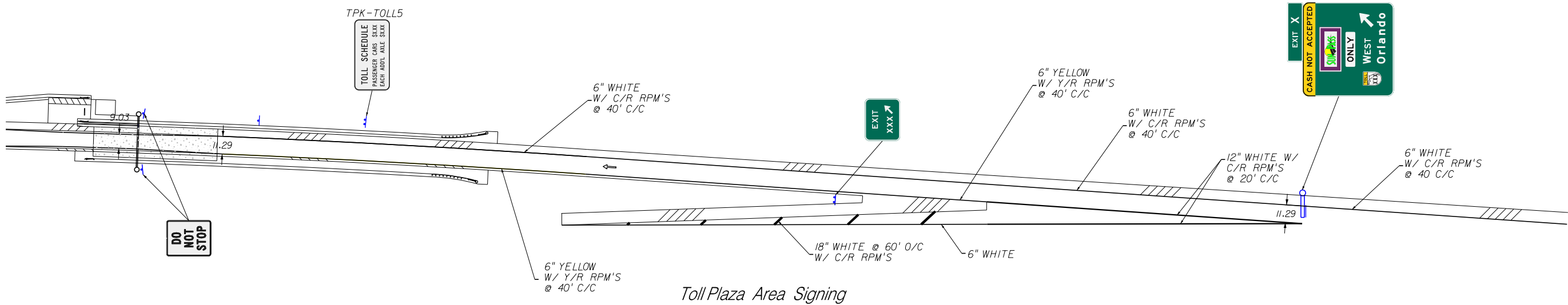
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID

ORT SIGNING DETAILS
MAINLINE
SIGN PANELS

SHEET NO.

109-3

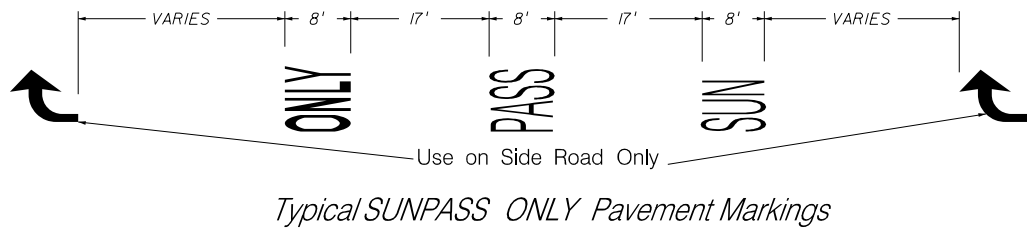


NOTES:

1) MAINLINE MARKINGS - SUNPASS ONLY pavement markings shall be added when an auxiliary (drop) lane precedes the OFF ramp.

2) SUNPASS ONLY markings on the mainline auxiliary lane are typically spaced 250ft apart

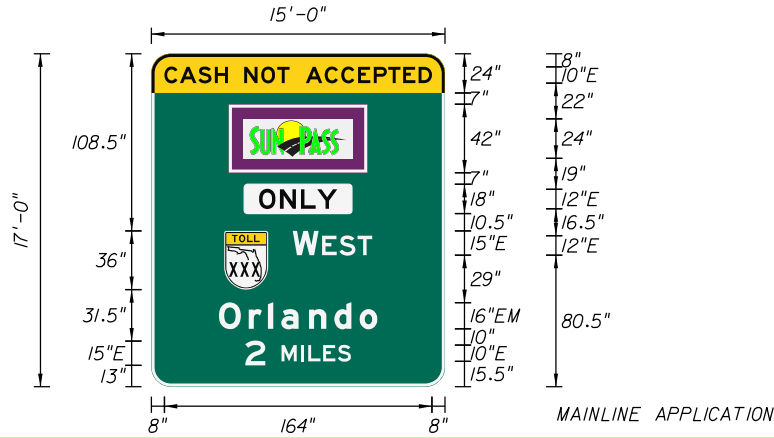
3) SIDE ROAD MARKINGS - SUNPASS ONLY pavement markings and arrows shall be added when an auxiliary (drop) lane or turn lane precedes the ON ramp



N.T.S.

REVISIONS						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	ORT RAMP SIGNING & PAVEMENT MARKING LAYOUT	SHEET NO. 109-4
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			

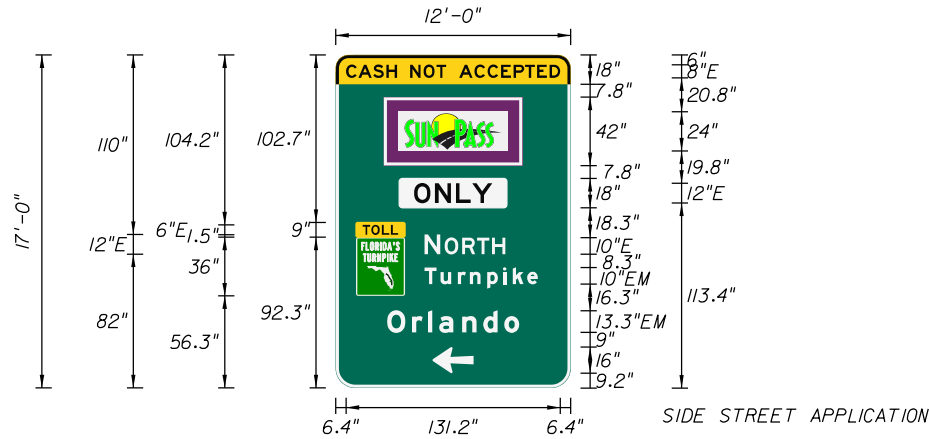
SIGN NAME	TPK-SPI	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	15'-0"	WIDTH	2"		
HEIGHT	17'-0"	RADII	12"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SunPassSmall	0	56.5	140	67	24
LogoPanelSmall	0	47.5	131	85	42
FTP-80-06	0	44.6	59.5	27	36
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY		C	A	S	H		N	O	T		A	C	C	E	P	T	E	D		L			
SPACE	8	9.5	11.3	10.1	8.1	10	10.4	9.8	7.5	10	11.6	10.1	10.4	9.5	8.9	9.2	9.5	8.1	8	164			
COPY		O	N	L	Y		L																
SPACE	66.1	12.8	12.8	10	12.2	66.1	47.9																
COPY		W		E	S	T		L															
SPACE	86.6	15.9	2.2	10.7	11	9	44.6	48.8															
COPY		O	r	I	a	n	d	o		L													
SPACE	41.4	18.2	11.8	8.2	17	15.5	15.5	10.9	41.4	97.1													
COPY		2		M	I	L	E	S		L													
SPACE	57.6	12.1	10	12	4.4	9.2	8.9	8.1	57.6	64.7													
COPY																							
SPACE																							

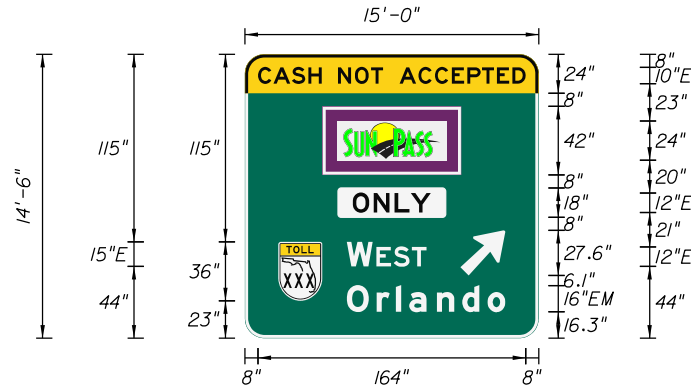
SIGN NAME	TPK-SIDE1	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	12'-0"	WIDTH	2"		
HEIGHT	17'-0"	RADII	10"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SunPassSmall	0	38.5	145.1	67	24
LogoPanelSmall	0	29.5	136.2	85	42
FTP-16-10	0	12.5	56.3	30	36
AR_Type A	90	59.4	9	16	25.2
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY		C	A	S	H		N	O	T		A	C	C	E	P	T	E	D		L			
SPACE	6.4	7.6	9	8.1	6.5	8	8.3	7.8	6	8	9.3	8.1	8.3	7.6	7.1	7.4	7.6	6.5	6.4	131.2			
COPY		O	N	L	Y		L																
SPACE	48.1	12.8	12.8	10	12.2	48.1	47.9																
COPY		T	O	L	L		L																
SPACE	16.6	5.3	6.4	5.5	4.5	105.6	21.8																
COPY		N		O	R	T	H		L														
SPACE	54.5	9.7	2.6	10.7	9.2	9.2	8.1	40	49.5														
COPY		T	u	r	n	p	I	k	e		L												
SPACE	54.5	9.8	10.6	7.4	10.6	9.7	6	8.8	6.6	20	69.5												
COPY		O	r	I	a	n	d	o		L													
SPACE	31.5	15.2	9.9	6.8	14.1	12.9	12.9	9.1	31.5	80.9													

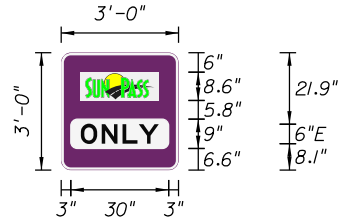
SIGN NAME	TPK-SPGORE	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	15'-0"	WIDTH	2"		
HEIGHT	14'-6"	RADII	12"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SunPassSmall	0	56.5	109	67	24
LogoPanelSmall	0	47.5	100	85	42
AR_Type A	31/5	132	38.4	22.2	35
FTP-80-06	0	20.4	23	27	36
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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COPY		C	A	S	H		N	O	T		A	C	C	E	P	T	E	D		L			
SPACE	8	9.5	11.3	10.1	8.1	10	10.4	9.8	7.5	10	11.6	10.1	10.4	9.5	8.9	9.2	9.5	8.1	8	164			
COPY		O	N	L	Y		L																
SPACE	66.1	12.8	12.8	10	12.2	66.1	47.9																
COPY		W		E	S	T		L															
SPACE	62.4	15.9	2.2	10.7	11	9	68.8	48.8															
COPY		O	r	I	a	n	d	o		L													
SPACE	62.4	18.2	11.8	8.2	17	15.5	15.5	10.9	20.5	97.1													
COPY																							
SPACE																							
COPY																							
SPACE																							

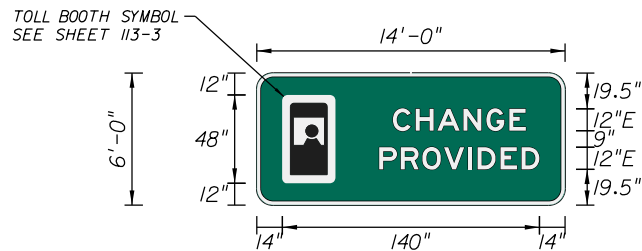
SIGN NAME	TPK-SIDE2	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	3'-0"	WIDTH	0.75"		
HEIGHT	3'-0"	RADII	3"		
LEGEND	White	COLOR	White		
COLOR	Purple				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SunPassLarge	0	6	21.4	24	8.6
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH	



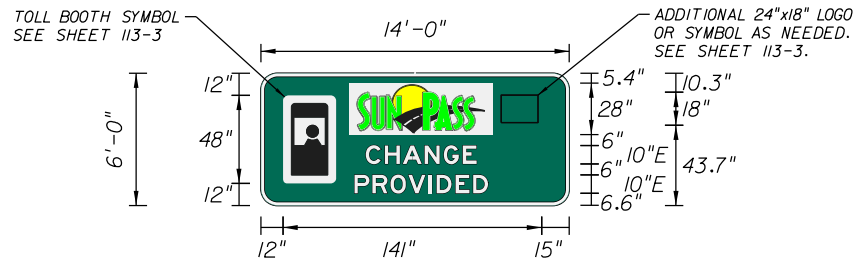
NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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COPY		O	N	L	Y		L																
SPACE	6	6.4	6.4	5	6.1	6	23.9																
COPY																							
SPACE																							
COPY																							
SPACE																							
COPY																							
SPACE																							
COPY																							
SPACE																							

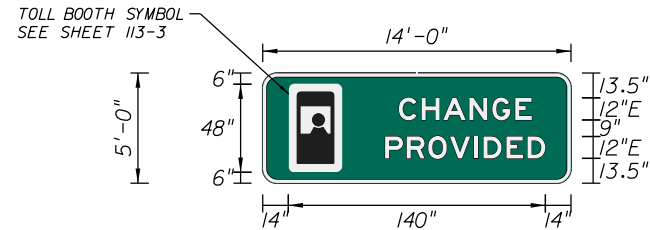
REVISIONS							STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUNPASS ONLY SIGNING DETAILS MAINLINE & SIDE ROAD SIGN PANELS	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		109-5

[illegible]

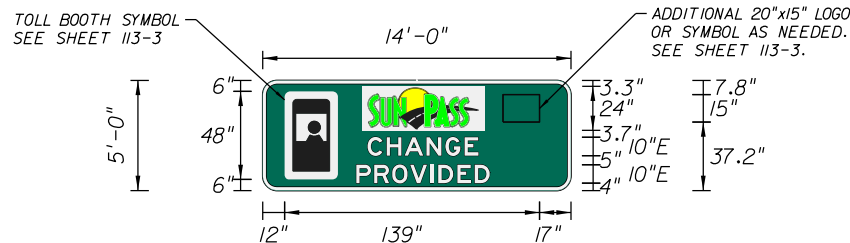
NO. OF LIGHT FIXTURES		FIXTURE SPACING		PHOTOMETRIC CURVE		WATT		VOLTAGE	
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[illegible][illegible]

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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[illegible][illegible]

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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[illegible][illegible]

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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[illegible]

DATE\$	REVISIONS					STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TOLL PLAZA SIGNING DETAILS MAINLINE CANOPY MOUNTED SIGN PANELS	SHEET NO.
	DATE	DESCRIPTION	DATE	DESCRIPTION						
						ROAD NO.	COUNTY	FINANCIAL PROJECT ID		110-1

SIGN NAME	TPK-XI	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	14'-0"	WIDTH	2"		
HEIGHT	6'-0"	RADII	9"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH

The diagram shows a rectangular sign with the text "EXACT COINS" in white capital letters on a dark green background. The sign is mounted on a wall. The overall dimensions and mounting details are as follows:

- Sign Dimensions:**
 - Width: 14'-0"
 - Height: 30"
- Mounting Details:**
 - The sign is mounted with a 12"E (12 inches) offset from the wall on both the left and right sides.
 - The mounting hardware (brackets) is 30" wide on both the left and right sides.
 - The distance between the mounting brackets is 120.8".
 - The total width of the mounting assembly, including the brackets, is 23.6" on both the left and right sides.

[illegible][illegible]

Diagram illustrating the dimensions of a rectangular sign (EXACT COINS) and its mounting hardware. The sign is green with white text. The overall dimensions are 14'-0" wide and 5'-0" high. The sign is mounted on a post. The mounting hardware dimensions are 23.6" for the side brackets and 120.8" for the central mounting section. The sign itself is 120.8" wide and 24" high. The text "EXACT COINS" is centered on the sign. The mounting hardware is 24" high and 12" wide. The sign is 24" high and 120.8" wide. The text is 24" high and 120.8" wide.

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
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[illegible][illegible]

Diagram of a SunPass EXACT COINS sign with dimensions and callout:

- Overall width: 14'-0"
- Overall height: 6'-0"
- Sign dimensions: 49" (top), 10"E (left), 13" (bottom), 33.7" (left), 116" (bottom), 18.3" (right)
- Sign content: SUNPASS logo (yellow sun, green text), EXACT COINS text
- Callout: 24"x18" LOGO OR SYMBOL AS NEEDED. SEE SHEET 113-3.
- Vertical dimensions on the right: 13", 28", 8", 10"E, 13", 18", 18", 36"

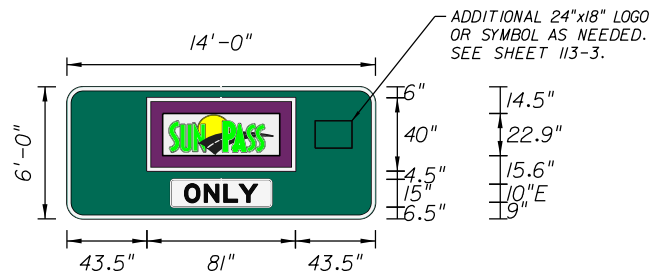
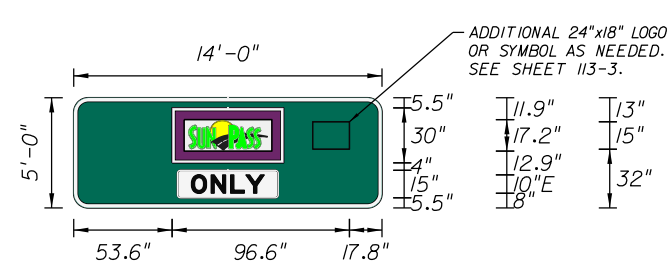
[illegible]

SIGN NAME		TPK-XS2		QTY	1	SIGN NUMBER		STATION(S)	
PANEL			BORDER						
WIDTH		14'-0"		WIDTH		1.75"			
HEIGHT		5'-0"		RADII		8"			
LEGEND		White		COLOR		White			
COLOR		Green							
SYMBOL(S)		ANGLE		X		Y		WID	
SunPass_CAN		0		50.5		27		67	
OtherETC		0		127.6		31.5		20	
SIGN NUMBER		NUMBER OF POSTS		CLEARANCE Edge Of Lane		COLUMN SIZE		AVERAGE LENGTH	

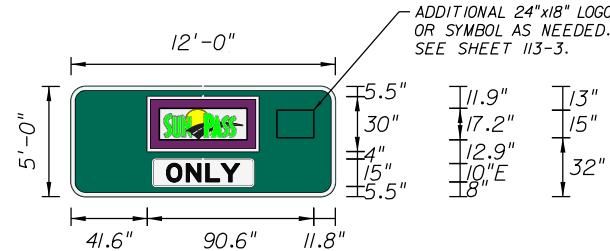
Diagram of a SunPass EXACT COINS sign. The sign is rectangular with a green background and a white border. It features the SunPass logo (a yellow sun with a green 'S' and 'P' and a green leaf) and the text 'EXACT COINS' in white. Dimensions are provided in inches and feet. The overall width is 14'-0" (168 inches). The overall height is 5'-0" (60 inches). The sign is divided into three vertical sections: a left section 33.7" wide, a central section 114" wide, and a right section 20.4" wide. The top section is 41" high, the middle section is 10 5/8" high, and the bottom section is 9" high. The right section is 9" wide, 24" high, and 8" wide. The bottom section is 10 5/8" high and 9" wide. A callout points to the right section, stating: 'ADDITIONAL 20"x15" LOGO OR SYMBOL AS NEEDED. SEE SHEET 113-3.'

[illegible]

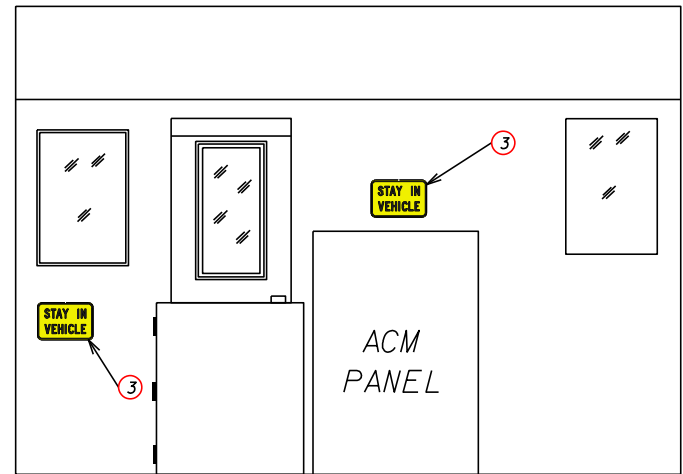
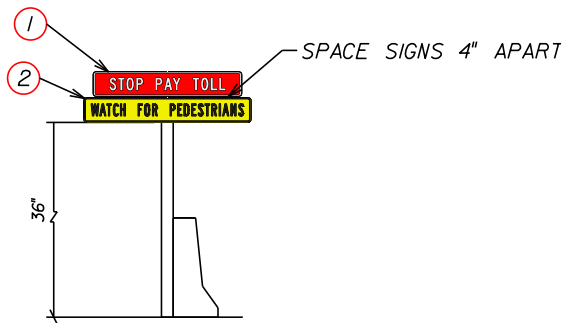
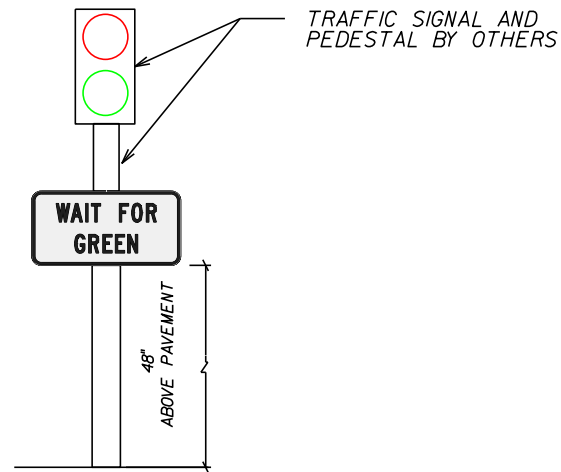
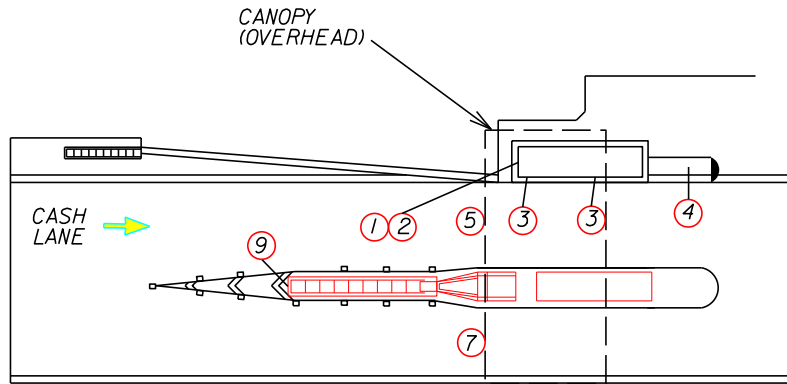
\$DATE\$	REVISIONS					STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TOLL PLAZA SIGNING DETAILS MAINLINE CANOPY MOUNTED SIGN PANELS	SHEET NO.
	DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		110-2

[illegible][illegible][illegible][illegible]

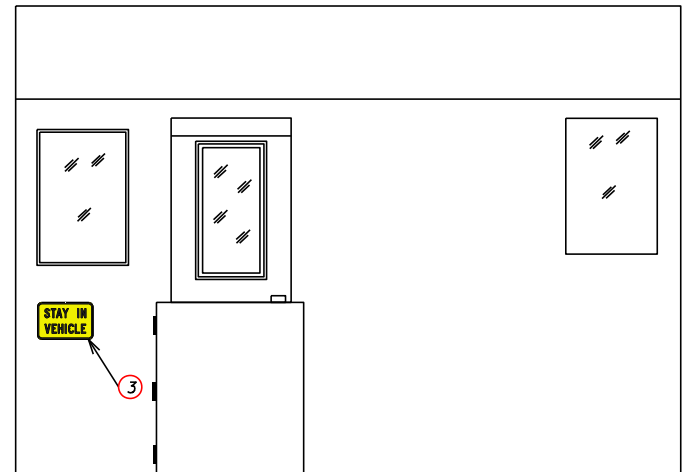
SIGN NAME		TPK-SI	QTY	I	SIGN NUMBER	STATION(S)	
PANEL		BORDER					
WIDTH	12'-0"	WIDTH	2"				
HEIGHT	5'-0"	RADII	8"				
LEGEND	White	COLOR	White				
COLOR	Green						
SYMBOL(S)	ANGLE	X	Y	WID	HT		
Other/ETC	0	112.2	32	20	15		
SunPass/Small	0	48.1	30.9	47.8	17.2		
Logo/Panel/Small	0	41.6	24.5	60.7	30		
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH		

[illegible][illegible][illegible]

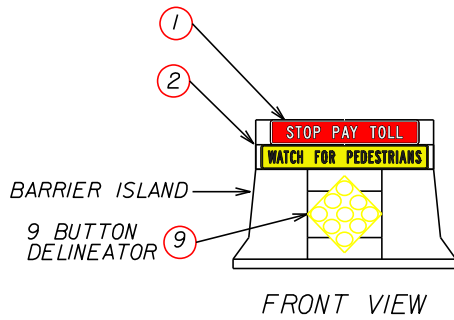
DATE\$	REVISIONS					STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TOLL PLAZA SIGNING DETAILS MAINLINE CANOPY MOUNTED SIGN PANELS	SHEET NO.
	DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		110-3



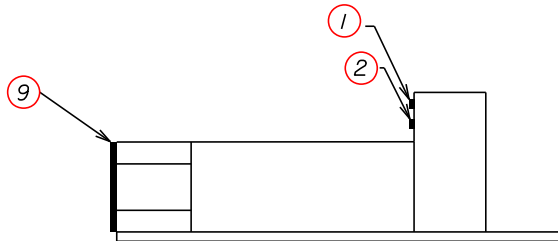
PARTIALLY STAFFED
SIGN PLACEMENT DETAIL



STAFFED 24 HOURS
SIGN PLACEMENT DETAIL



FRONT VIEW



SIDE VIEW

TOLL PLAZA SIGN SYMBOL LEGEND

	LEGEND OR DESCRIPTION	REMARKS
1	STOP PAY TOLL	MOUNT ON ISLAND GATORHEAD
2	WATCH FOR PEDESTRIANS	MOUNT ON ISLAND GATORHEAD
3	STAY IN VEHICLE	MOUNT ON TOLL BOOTH OR ACM
4*	WAIT FOR GREEN	MOUNT ON TOLL BOOTH
5	LANE DESIGNATION SIGN	MOUNT ON CANOPY
7	LANE DESIGNATION SIGN	MOUNT ON CANOPY
9	9 BUTTON DELINEATOR	MOUNT ON BLUNT END OF CONCRETE ISLAND AND ATTENUATOR

N.T.S.

\$DATE\$

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

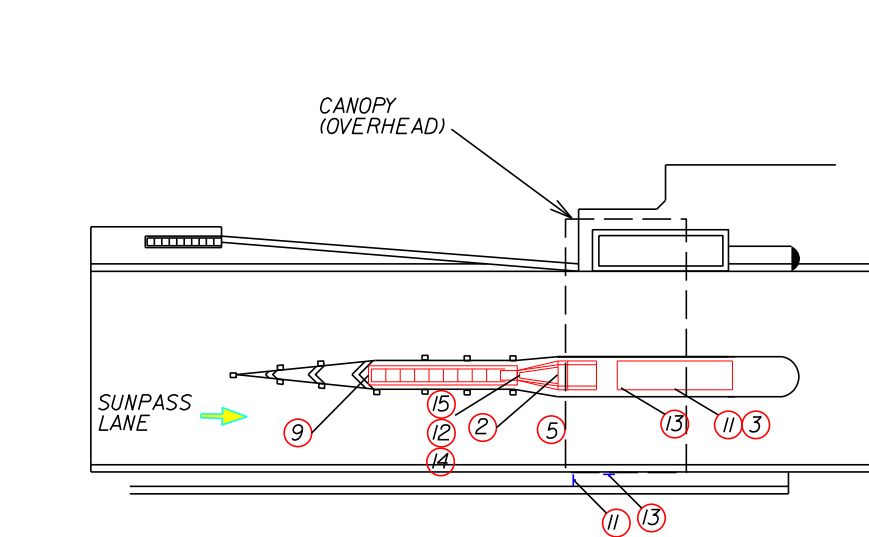
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID

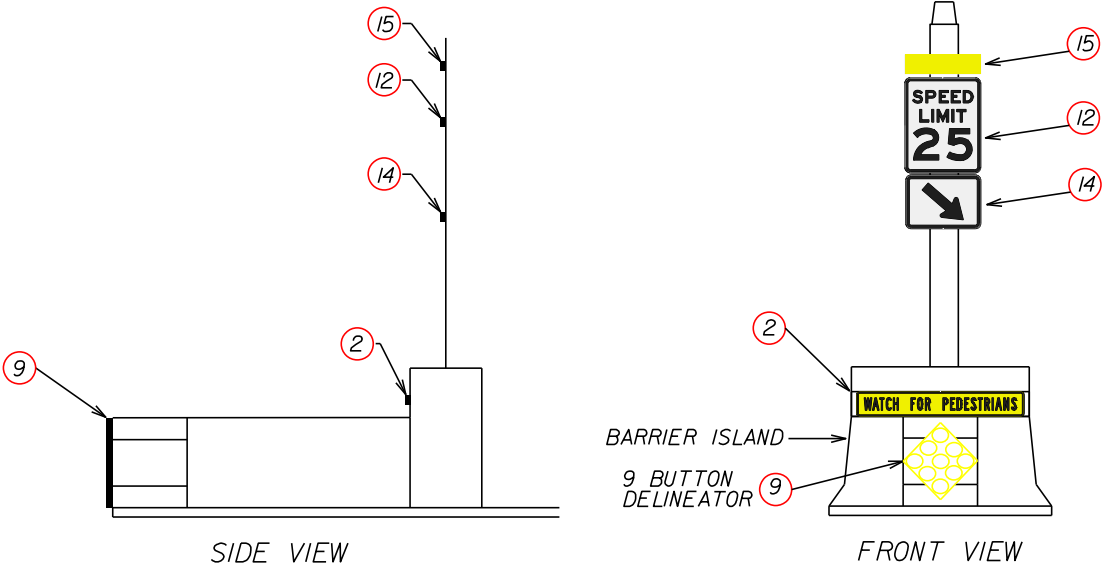
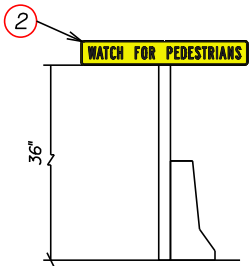
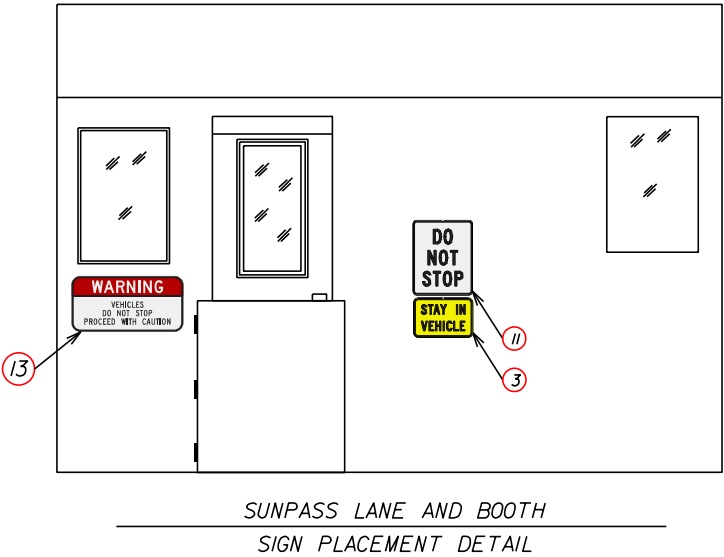
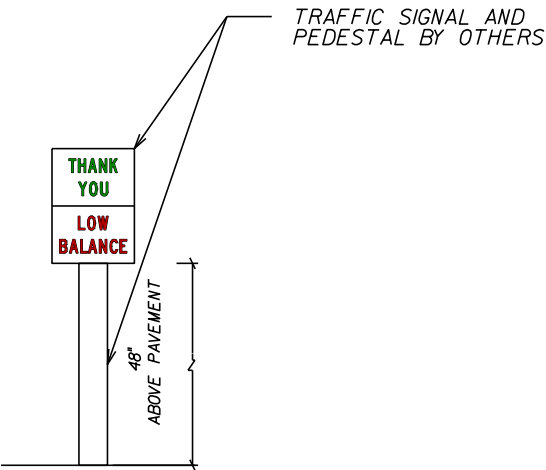
CASH LANE TOLL PLAZA SIGNING LAYOUT

SHEET NO. III-1

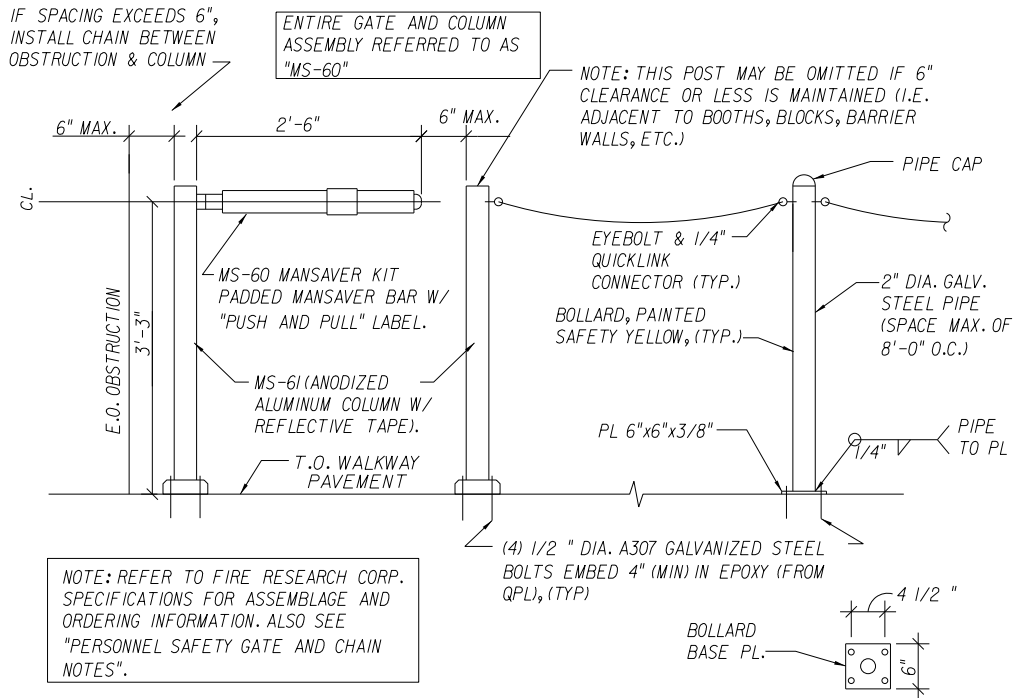
\$DATE\$	REVISIONS							STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			COIN LANE TOLL PLAZA SIGNING LAYOUT			SHEET NO.	
	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION									



TOLL PLAZA SIGN SYMBOL LEGEND		
	LEGEND OR DESCRIPTION	REMARKS
1	STOP PAY TOLL	MOUNT ON ISLAND GATORHEAD
2	WATCH FOR PEDESTRIANS	MOUNT ON ISLAND GATORHEAD
3	STAY IN VEHICLE	MOUNT ON TOLL BOOTH OR ACM
4	WAIT FOR GREEN	MOUNT ON TOLL BOOTH
5	LANE DESIGNATION SIGN	MOUNT ON CANOPY
9	9 BUTTON DELINEATOR	MOUNT ON BLUNT END OF CONCRETE ISLAND AND ATTENUATOR
11	DO NOT STOP	TOLL BOOTH OR GROUND MOUNT (IF NO BOOTH)
12	25 MPH	MOUNT ON ISLAND GATORHEAD
13	WARNING VEHICLES DO NOT STOP PROCEED WITH CAUTION	GROUND MOUNT ACROSS FROM WALKWAYS ON EACH SIDE AT A HEIGHT OF 5'0"
14	ARROW (M6-2)	MOUNT ON ISLAND GATOR HEAD
15	YELLOW PANEL	MOUNT ON ISLAND GATOR HEAD



N.T.S.



1. PERSONNEL SAFETY GATES SHALL BE INSTALLED WHERE INDICATED ON PLANS. THESE GATES SHALL BE CONSTRUCTED WITH SAFETY BARS AS MANUFACTURED BY FIRE RESEARCH CO. (1-800-645-0074) OR EQUAL, AND SOLD UNDER THE BRAND NAME MANSAYER, MODEL MS-60. BARS SHALL BE PADDED WITH YELLOW VINYL COVERINGS AND SHALL BE THIRTY (30) INCHES IN LENGTH, INCLUDING THE DOUBLE ACTING HINGE. EACH GATE SHALL CONSIST OF ONE (1) ALUMINUM (6061-T6) MANSAYER BAR (MS-60 MANSAYER KIT) ATTACHED TO THE TOP OF AN EXTRUDED ALUMINUM (6065-T6) 3-INCH SQUARE CROSS SECTION ALUMINUM POST (MS-61) WITH AN ALUMINUM CAST KNUCKLE WITH A BASE FOR ANCHORING TO THE WALKWAY AREA. BASE PLATE SHOULD BE ANCHORED TO CONCRETE W/ (4) - 1/2 " DIA. A307 GALVANIZED STEEL ANCHOR BOLTS, EMBED 4" IN EPOXY. AN ADDITIONAL DUPLICATE POST SHALL BE PROVIDED WITH EACH GATE TO MOUNT. SIMILARLY TO THE WALKWAY PAVEMENT AT THE UNCONNECTED OR FREE END OF THE MANSAYER BAR. THIS ADDITIONAL POST MAY OR MAY NOT BE REQUIRED TO BE INSTALLED BASED ON FIELD CONDITIONS. THE POST AND GATE ASSEMBLY (TOGETHER) ARE REFERRED TO AS THE "MANSAYER BAR AND UPRIGHT STANCHION KIT", MODEL MS-60.

2. AN EYE BOLT SHALL BE MOUNTED AT THE TOP OF EACH POST FOR CONTINUATION OF SAFETY CHAIN. CAPS SHALL BE PROVIDED IN THE TOP OF THE POSTS. POSTS SHALL BE INSTALLED LEVEL. THE CENTERLINE OF THE MANSAYER BAR SHALL BE THIRTY-NINE (39) INCHES ABOVE THE WALKWAY PAVEMENT. POST EYE BOLTS SHALL ALSO ACCOMMODATE THE THIRTY-SIX INCH (36") MOUNTING HEIGHT (ABOVE THE ISLAND) FOR SAFETY CHAIN.

3. CHAIN SHALL BE 4/0 STRAIGHT LINK COIL CHAIN POLY-COATED BLU-KROME MODEL NO. 14033-1117 AS MANUFACTURED BY COOPER (919-362-7541) OR EQUAL. THE CHAIN COLOR SHALL BE SAFETY YELLOW. THE CHAIN SHALL BE LOCATED ON THE ISLAND NO LESS THAN TWELVE (12) INCHES AND NO GREATER THAN EIGHTEEN (18) INCHES OFF THE EDGE OF THE ISLAND CURB ADJACENT TO THE LANE. THE CHAIN SHALL BE LOCATED APPROXIMATELY THIRTY-SIX (36) INCHES OFF THE SURFACE OF THE ISLAND, I.E., APPROXIMATELY FORTY-TWO (42) INCHES ABOVE THE LANE PAVEMENT. CHAIN SHALL BE ATTACHED TO THE BOLLARD EYE BOLTS AT BOTH ENDS WITH ONE-QUARTER (1/4) INCH QUICK LINK CONNECTORS, PART NO. 764-0536, AS MANUFACTURED BY COOPER, OR EQUAL. CHAIN SHALL BE INSTALLED SUCH THAT THERE IS MINIMAL CHAIN SAG ALLOWING REMOVAL OF THE CHAIN.

4. BOLLARDS: THE CONTRACTOR SHALL INSTALL THIRTY-SIX (36) INCH HIGH BOLLARDS OF TWO (2) INCH DIAMETER GALVANIZED STEEL PIPE AT SPACING NO GREATER THAN EIGHT (8) FEET APART. BOLLARDS SHALL BE CAPPED AND BE WELDED TO 6"x6"x3/8" BASE PLATE. BASE PLATE SHOULD BE BOLTED TO EXISTING CONCRETE SLAB W/ (4) - 1/2 " DIA. A307 GALVANIZED STEEL ANCHOR BOLTS, EMBED 4" IN EPOXY. PIPE SHALL BE PAINTED SAFETY YELLOW WITH A PAINT APPROPRIATE FOR APPLICATION TO GALVANIZED SURFACES. BOLLARDS SHALL BE ATTACHED PERMANENTLY TO THE ISLAND SURFACE AND SHALL NOT BE EASILY REMOVED WITHOUT POWER EQUIPMENT. USE OF EXISTING BOLLARDS IS ENCOURAGED BUT NOT AT THE EXPENSE OF DEVIATING FROM REQUIREMENTS HERE IN.

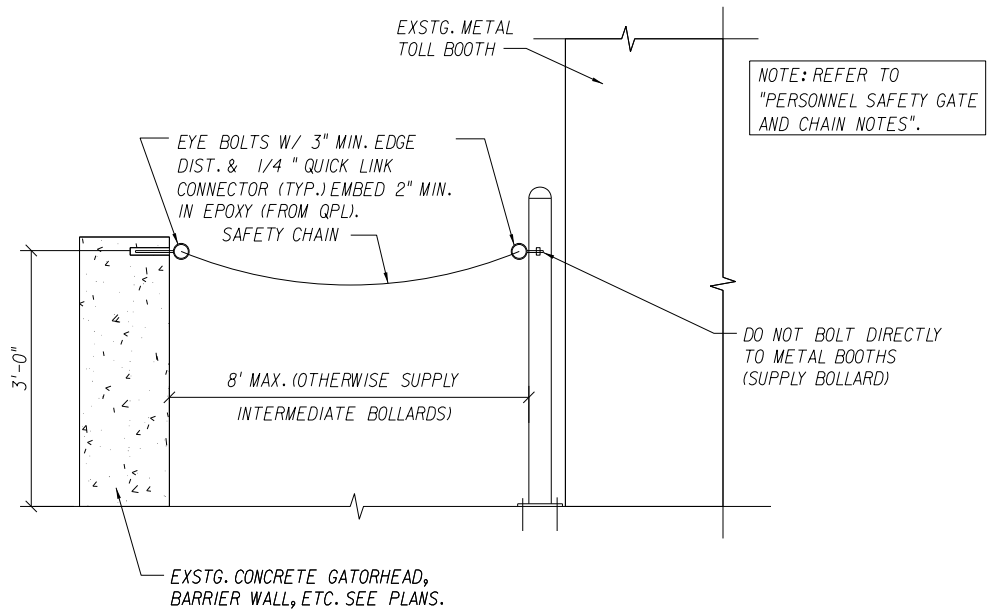
5. CHAIN ATTACHMENT: CHAIN AND QUICK LINKS SHALL BE CONNECTED TO BOLLARDS WITH EYE BOLTS. CHAIN SHALL NOT PASS THROUGH A RING ON THE BOLLARD BUT SHALL TERMINATE AT ONE, OR BOTH SIDES OF THE BOLLARD AS NECESSARY, WITH A QUICK LINK CONNECTOR. CHAIN MAY NOT BE ATTACHED TO AUTOMATIC COIN MACHINES, GATE HOUSINGS, ANY SUNPASS OR MISCELLANEOUS EQUIPMENT, OR PREFABRICATED TOLL BOOTHS.

6. SAFETY CHAIN CLEARANCES: TOLL EQUIPMENT (I.E. GATES, AUTOMATIC COIN MACHINES, SUNPASS EQUIPMENT, ETC.) OPERATION AND TECHNICIAN ACCESS SHALL NOT BE AFFECTED BY THE PLACEMENT OF CHAIN OR BOLLARDS. BOLLARD PLACEMENT SHALL BE NO FURTHER THAN NINE (9) INCHES AND NO CLOSER THAN SIX (6) INCHES FROM GATE HOUSINGS AND SHALL NOT CONFLICT WITH THE ENTRY AND EXIT OF PERSONNEL FROM TUNNEL STAIR WELLS. IF AUTOMATIC COIN MACHINES (ACMS) HAVE NOT BEEN REMOVED PRIOR TO SUNPASS CONVERSION, THE CONTRACTOR SHALL SUPPLY THE NECESSARY LENGTH OF CHAIN AND QUICK LINK CONNECTORS TO THE TURNPIKE TO CLOSE THE GAP WHERE THE ACM OR TOLL BOOTH ONCE OCCUPIED. IF ONLY AN ACM IS PRESENT ON THE ISLAND AND IT HAS NOT BEEN REMOVED PRIOR TO SUNPASS CONVERSION, THE CONTRACTOR SHALL INSTALL A POST ON THE ISLAND OR FLOOR PLATE ON EITHER SIDE OF THE ACM FOR CHAIN TERMINATION.

7. PERSONNEL SAFETY GATES: THE CONTRACTOR SHALL PROVIDE AND INSTALL PERSONNEL SAFETY GATES WHERE INDICATED ON PLANS. SAFETY BAR CENTERLINE HEIGHT SHALL BE THIRTY-NINE (39) INCHES ABOVE THE WALKWAY. THE SAFETY GATE SHALL ALWAYS BE ORIENTED SUCH THAT THE GATE HINGE IS LOCATED TO THE RIGHT SIDE ON APPROACH TO THE DEDICATED LANE (I.E., TO THE LEFT IF DEPARTING THE DEDICATED LANE.)

8. WALKWAY WIDTH AND CHANNELIZATION OF PERSONNEL: THE WALKWAY MAY BE GREATER WIDTH THAN THE WIDTH OF THE GATE, IN WHICH CASE THE CONTRACTOR SHALL "CHANNELIZE" ANY OPENINGS AROUND THE GATE BY CONNECTING ADDITIONAL CHAIN FROM THE SQUARE TUBULAR COLUMN BOLTED TO THE SAFETY BAR TO THE CLOSEST ALLOWABLE CONNECTION POINT, OR FROM THE SQUARE TUBULAR COLUMN LOCATED ADJACENT TO THE SWINGING GATE ARM AT THE CLOSEST ALLOWABLE CONNECTION POINT. THE DESIRABLE AND MAXIMUM WIDTH OF GAP BETWEEN THE SAFETY GATE ARM AND THE ADJACENT COLUMN IS SIX (6) INCHES. IN INSTANCES WHERE THE WALKWAY IS LESS THAN FOUR (4) FEET IN WIDTH, THE CONTRACTOR MAY RELOCATE THE SQUARE TUBULAR COLUMN WHICH IS NOT ATTACHED TO THE SAFETY BAR AND MOUNT IT ON THE ISLAND ADJACENT TO THE WALKWAY, OR ELIMINATE IT COMPLETELY IF THERE IS AN ADJACENT AND ALLOWABLE MOUNTING SURFACE WHICH DOES NOT ALLOW A GAP GREATER THAN SIX (6) INCHES IN WIDTH.

9. CHAIN AND GATE LAYOUT AND FIELD ISSUE RESOLUTION: THE CONTRACTOR SHALL USE GOOD JUDGMENT AND FOLLOW THE CRITERIA HEREIN AND AS INDICATED ON THE PLANS IN LAYOUT AND ATTACHMENT OF THE CHAIN AND PERSONNEL GATES WITHIN THE WALKWAYS. ANY QUESTIONABLE SITUATION WHICH REQUIRES CLARIFICATION IN THE FIELD SHALL BE BROUGHT TO THE ATTENTION OF THE DEPARTMENT'S FIELD REPRESENTATIVE AND TO THE ENGINEER.



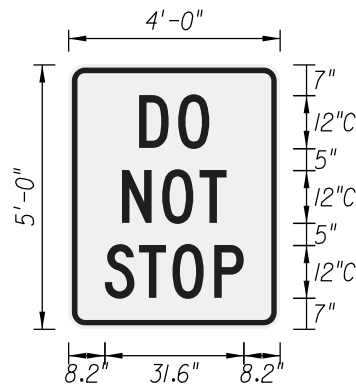
\$DATE\$

R E V I S I O N S						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TOLL PLAZA SPECIAL DETAILS	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					
						ROAD NO.	COUNTY	FINANCIAL PROJECT ID		III-5

PANEL NAME	TPK-6				
QUANTITY	1				
WIDTH	4'-6"				
HEIGHT	0'-8"				
BORDER WIDTH	0.5"				
BORDER RADII	1"				
PANEL COLOR	Fluorescent Yellow				
LEGEND	Black				
BORDER	Black				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE EDGE OF LANE	COLUMN SIZE STEEL			AVERAGE LENGTH

[illegible]

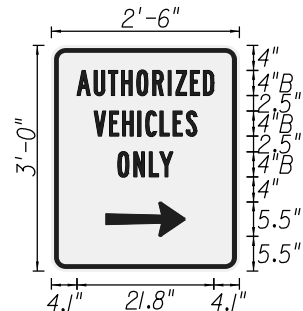
SIGN NAME		TPK-7			
QUANTITY		1			
WIDTH		4'-0"			
HEIGHT		5'-0"			
BORDER WIDTH		1.25"			
BORDER RADII		3" INSET: 0.75"			
PANEL COLOR		White			
LEGEND		Black			
BORDER		Black			
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE EDGE OF LANE	COLUMN SIZE STEEL			AVERAGE LENGTH



1. FOR RAMP AND MAINLINE USE
2. SEE CURRENT GTR FOR MOUNTING CRITERIA

[illegible]

SIGN NAME		TPK-8				
QUANTITY		1				
WIDTH		2'-6"				
HEIGHT		3'-0"				
BORDER WIDTH		0.75"			INSET: 0.5"	
BORDER RADII		1.875"				
PANEL COLOR		White				
LEGEND		Black				
BORDER		Black				
SYMBOL(S)		ANGLE	X	Y	WID	HT
ARLONG		0	8.7	5.5	12.6	5.5
SIGN NUMBER	CLEARANCE EDGE OF LANE	COLUMN SIZE			AVERAGE LENGTH	



1. TO BE LOCATED AT MAINTENANCE PULL-OFF AREAS
2. SEE CURRENT GTR FOR MOUNTING CRITERIA

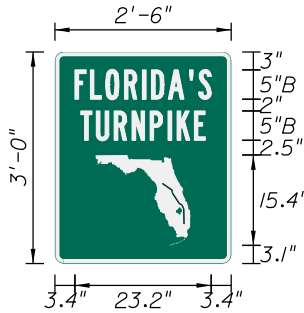
[illegible]

SIGN NAME					
QUANTITY					
WIDTH					
HEIGHT					
BORDER WIDTH					
BORDER RADII		INSET: 0.38"			
PANEL COLOR					
LEGEND					
BORDER					
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE EDGE OF LANE	COLUMN SIZE			AVERAGE LENGTH

[illegible]

DATE\$	REVISIONS						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TOLL PLAZA SIGNING DETAILS PLAZA AREA SIGN PANELS			SHEET NO.	
	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION								
									III-7					

SIGN NAME		TPK-SHIELDI				
QUANTITY		1				
WIDTH		2'-6"				
HEIGHT		3'-0"				
BORDER WIDTH		0.75"				
BORDER RADII		1.5"				
PANEL COLOR		Green				
LEGEND		White				
BORDER		White				
SYMBOL(S)		ANGLE	X	Y	WID	HT
FL_SM		0	6.9	3.1	16.2	15.4
SIGN NUMBER		CLEARANCE EDGE OF LANE	COLUMN SIZE STEEL			AVERAGE LENGTH



TO BE USED FOR TRAILBLAZING AND ON CROSS ROADS

[illegible]

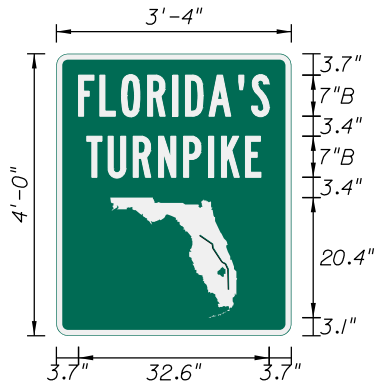
SIGN NAME		TPK-SHIELD3				
QUANTITY		1				
WIDTH		4'-2"				
HEIGHT		5'-0"				
BORDER WIDTH		1.25"				
BORDER RADII		2.5"				
PANEL COLOR		Green				
LEGEND		White				
BORDER		White				
SYMBOL(S)		ANGLE	X	Y	WID	HT
FL_LG		0	11.5	5	27	25.6
SIGN NUMBER	CLEARANCE EDGE OF LANE	COLUMN SIZE STEEL			AVERAGE LENGTH	



SPECIAL APPLICATIONS

[illegible]

SIGN NAME		TPK-SH/ELD2				
QUANTITY		1				
WIDTH		3'-4"				
HEIGHT		4'-0"				
BORDER WIDTH		1"				
BORDER RADII		2"				
PANEL COLOR		Green				
LEGEND		White				
BORDER		White				
SYMBOL(S)		ANGLE	X	Y	WID	HT
FL_MD		0	9.2	3.1	21.6	20.4
SIGN NUMBER	CLEARANCE EDGE OF LANE	COLUMN SIZE			AVERAGE LENGTH	



TO BE USED ON GUIDE SIGN PANELS AND POST INTERCHANGE SIGNING

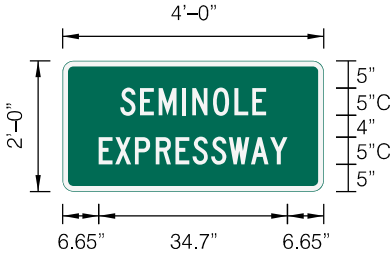
[illegible]

SIGN NAME					
QUANTITY					
WIDTH					
HEIGHT					
BORDER WIDTH					
BORDER RADII					
PANEL COLOR					
LEGEND					
BORDER					
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE EDGE OF LANE	COLUMN SIZE			AVERAGE LENGTH

[illegible]

SHEET NO.	REVISEMENTS						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SPECIAL SIGN DETAILS TURNPIKE SHIELD DETAILS		SHEET NO.	
	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION							ROAD NO.
													112-1

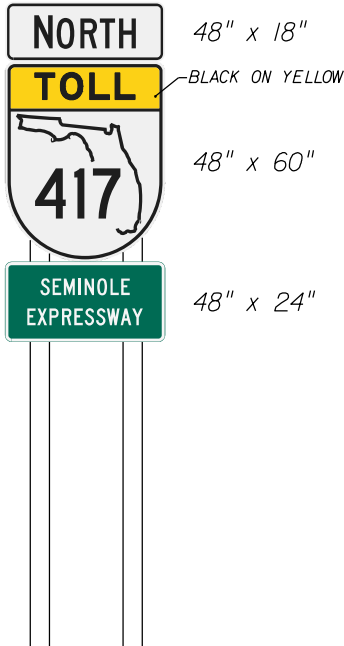
SIGN NAME	TPK-BRAND	QTY	I	SIGN NUMBER	STATION(S)															
PANEL		BORDER																		
WIDTH	4'-0"	WIDTH	1"																	
HEIGHT	2'-0"	RADII	2"																	
LEGEND	White	COLOR	White																	
COLOR	Green																			
SYMBOL(S)	ANGLE	X	Y	WID	HT															
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE <small>Edge Of Lane</small>	COLUMN SIZE		AVERAGE LENGTH															
NO. OF LIGHT FIXTURES		FIXTURE SPACING		PHOTOMETRIC CURVE	WATT	VOLTAGE														
COPY		S	E	M	I	N	O	L	E		L									
SPACE	10.6	3.6	3.4	4.4	1.8	3.8	4	3.3	2.5	10.6	26.8									
COPY		E	X	P	R	E	S	S	W	A	Y		L							
SPACE	6.7	3	3.6	3.8	3.7	3.2	3.4	3.3	4.1	3.5	3.2	6.7	34.7							
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				



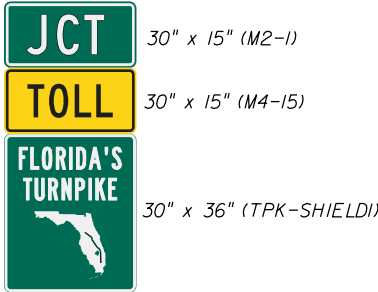
NOTES:

I. TURNPIKE BRANDING SIGN PANEL TO BE USED ON THE FOLLOWING ROADWAYS WHICH ARE PART OF THE TURNPIKE SYSTEM:

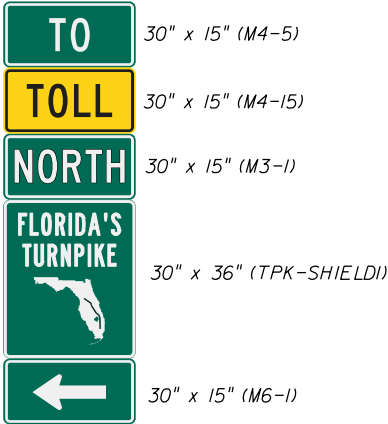
- BEACHLINE EXPRESSWAY, SR 528
- FIRST COAST EXPRESSWAY, SR 23
- POLK PARKWAY, SR 570
- SAWGRASS EXPRESSWAY, SR 869
- SEMINOLE EXPRESSWAY, SR 417
- SUNCOAST PARKWAY, SR 589
- VETERANS EXPRESSWAY, SR 589
- WESTERN BELTWAY, SR 429



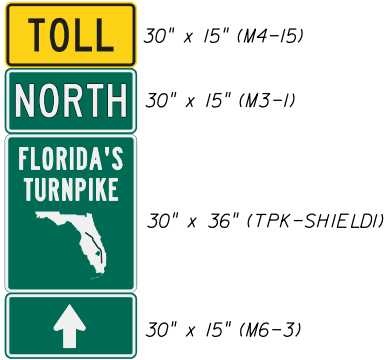
JUNCTION ASSEMBLIES



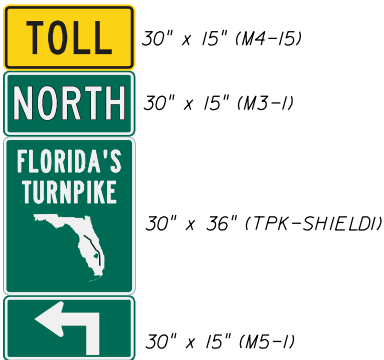
TRAILBLAZER ASSEMBLIES

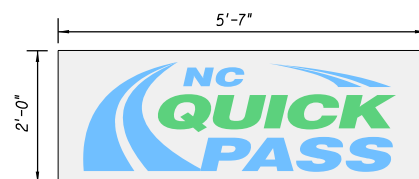
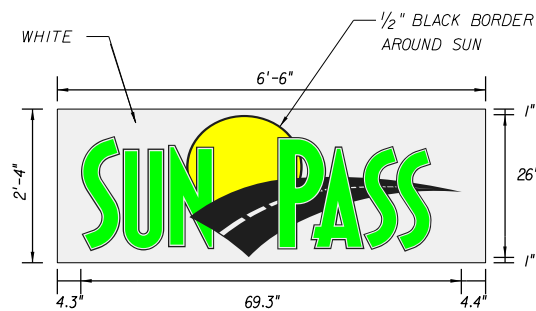
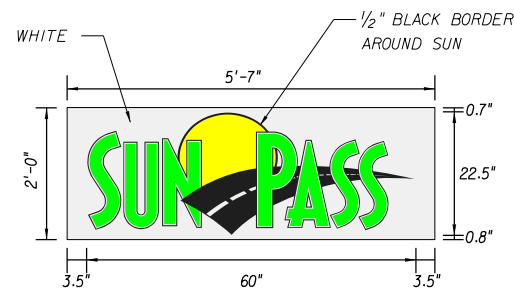


AET-08



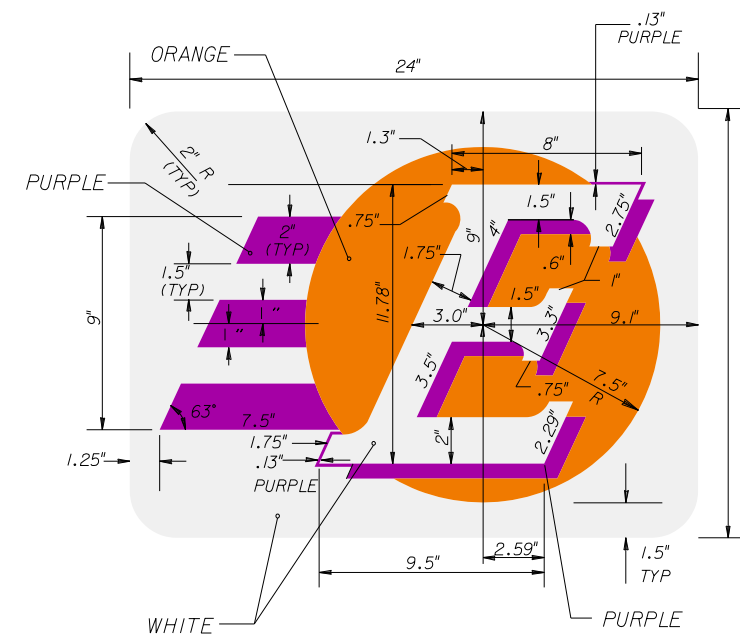
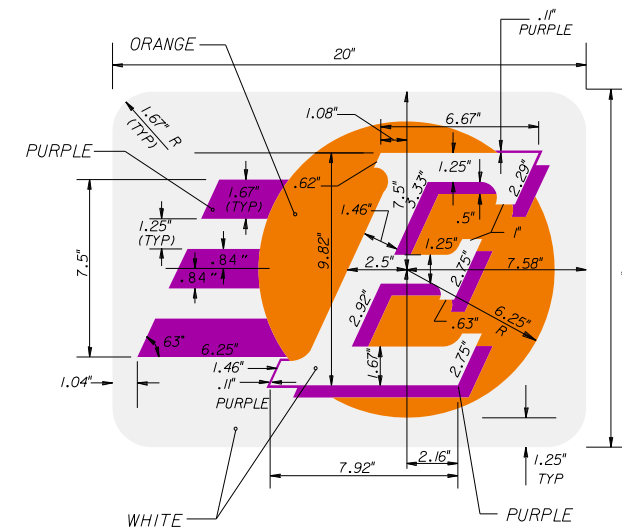
AET-09





GENERAL NOTES FOR SUNPASS SHIELD ON MIXED-USE LANES

1. THE DEPARTMENT WILL PROVIDE THE LOGO IN MICROSTATION FORMAT FOR USE IN SIGN FABRICATION.
2. THE LOGO SHALL NOT BE FABRICATED BY HAND CUT OUT METHOD.
3. ALL SIGN COLORS SHALL BE STANDARD HIGHWAY COLORS AS SPECIFIED IN THE MUTCD

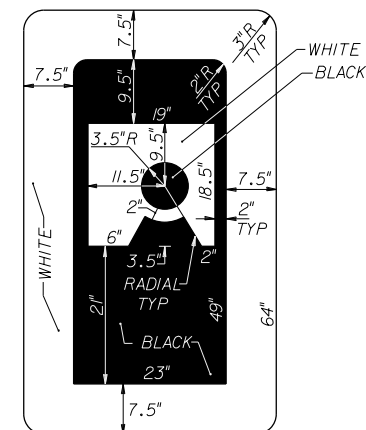
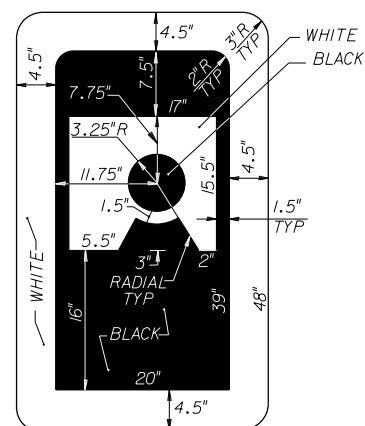


GENERAL NOTES FOR EPASS SHIELD:

1. EPASS LOGO COLORS:

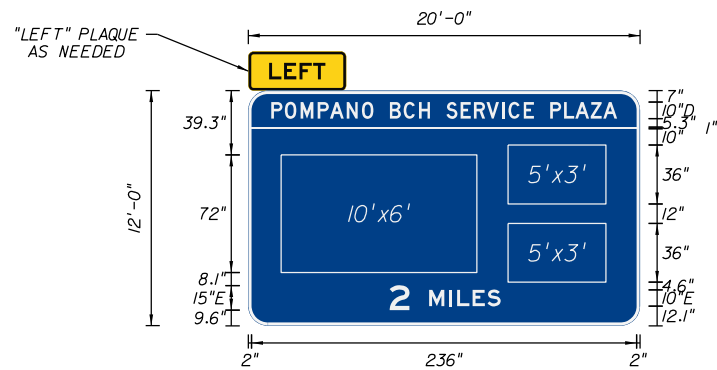
WHITE
PURPLE, 3M VIOLET NO. 893 OR APPROVED EQUAL.
ORANGE, 3M ORANGE NO. 886 OR APPROVED EQUAL.

2. NARROW PORTIONS OF SPECIAL DESIGN COPY IN EPASS LOGO SHALL HAVE MINIMUM THICKNESS OF 1.00 INCH.
3. ALL DIMENSIONS ARE IN INCHES.
4. THIS SHIELD SHALL BE ATTACHED BY RIVETING METHOD ONLY. NO ADHESIVES OR OTHER MEANS ARE ALLOWED.

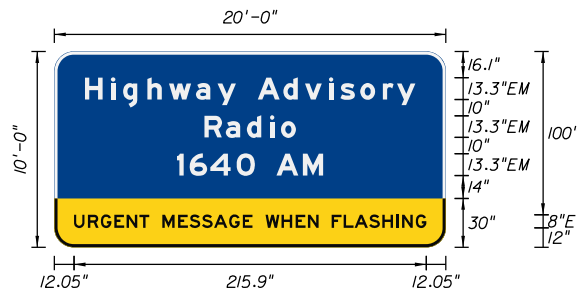


DATES	REVISIONS							STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SPECIAL SIGN DETAILS PLAZA SHIELD DETAILS	SHEET NO.
	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		112-3

SIGN NAME		TPK-SERVI		QTY	1	SIGN NUMBER		STATION(S)	
PANEL			BORDER						
WIDTH	20'-0"		WIDTH	2"					
HEIGHT	12'-0"		RADII	12"					
LEGEND	White	COLOR	White						
COLOR	Blue								
SYMBOL(S)			ANGLE	X	Y	WID	HT		
5x3			0	159.2	74.7	60	36		
10x6			0	20.1	32.7	120	72		
5x3			0	159.2	26.7	60	36		
SIGN NUMBER		NUMBER OF POSTS	CLEARANCE Edge Of Lane		COLUMN SIZE		AVERAGE LENGTH		



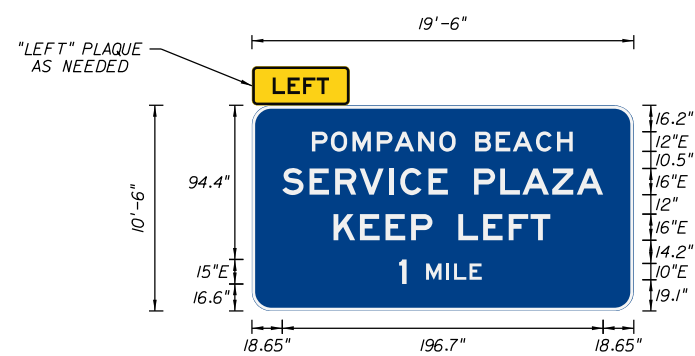
NO. OF LIGHT FIXTURES		FIXTURE SPACING		PHOTOMETRIC CURVE		WATT		VOLTAGE	
-----------------------	--	-----------------	--	-------------------	--	------	--	---------	--

[illegible][illegible]

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

[illegible]

SIGN NAME	TPK-SERV3	QTY	I	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	19'-6"	WIDTH	2"		
HEIGHT	10'-6"	RADII	12"		
LEGEND	White	COLOR	White		
COLOR	Blue				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE <i>Edge Of Lane</i>	COLUMN SIZE		AVERAGE LENGTH



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

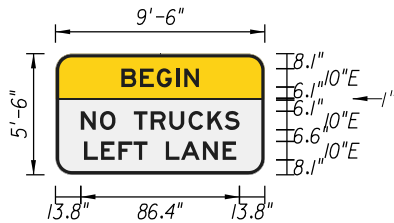
[illegible][illegible]

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

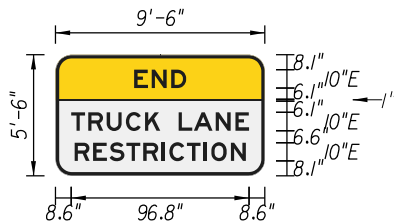
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REVISIONS							STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SPECIAL SIGN DETAILS (SERVICE PLAZA & HAR)	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		113-1

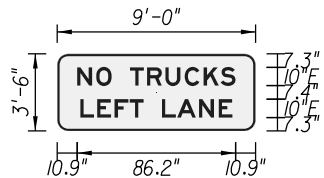
SIGN NAME		TPK-NT1			
QUANTITY		1			
WIDTH		9'-6"			
HEIGHT		5'-6"			
BORDER WIDTH		2"			
BORDER RADII		9"			
PANEL COLOR		Yellow/White			
LEGEND		Black/Black			
BORDER		Black/Black			
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE EDGE OF LANE	COLUMN SIZE STEEL			AVERAGE LENGTH

[illegible]

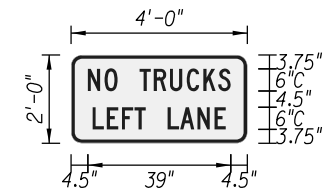
SIGN NAME	TPK-NT3					
QUANTITY	1					
WIDTH	9'-6"					
HEIGHT	5'-6"					
BORDER WIDTH	2"					
BORDER RADII	9"					
PANEL COLOR	Yellow/White					
LEGEND	Black/Black					
BORDER	Black/Black					
SYMBOL(S)	ANGLE	X	Y	WID	HT	
SIGN NUMBER	CLEARANCE EDGE OF LANE	COLUMN SIZE STEEL			AVERAGE LENGTH	

[illegible]

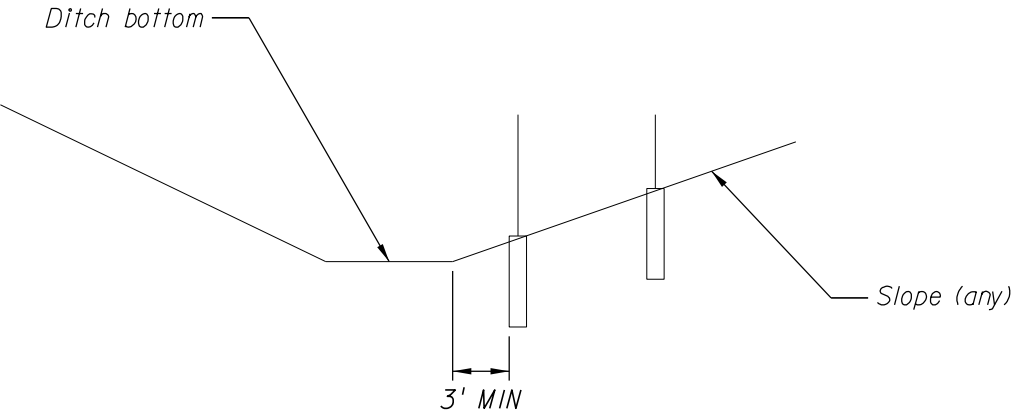
SIGN NAME		TPK-NT2				
QUANTITY		1				
WIDTH		9'-0"				
HEIGHT		3'-6"				
BORDER WIDTH		1.25"				
BORDER RADII		6"				
PANEL COLOR		White				
LEGEND		Black				
BORDER		Black				
SYMBOL(S)		ANGLE	X	Y	WID	HT

[illegible]

SIGN NAME		TPK-NT4				
QUANTITY		1				
WIDTH		4'-0"				
HEIGHT		2'-0"				
BORDER WIDTH		1"				
BORDER RADII		3"				
PANEL COLOR		White				
LEGEND		Black				
BORDER		Black				
SYMBOL(S)	ANGLE	X	Y	WID	HT	
SIGN NUMBER	CLEARANCE EDGE OF LANE	COLUMN SIZE			AVERAGE LENGTH	

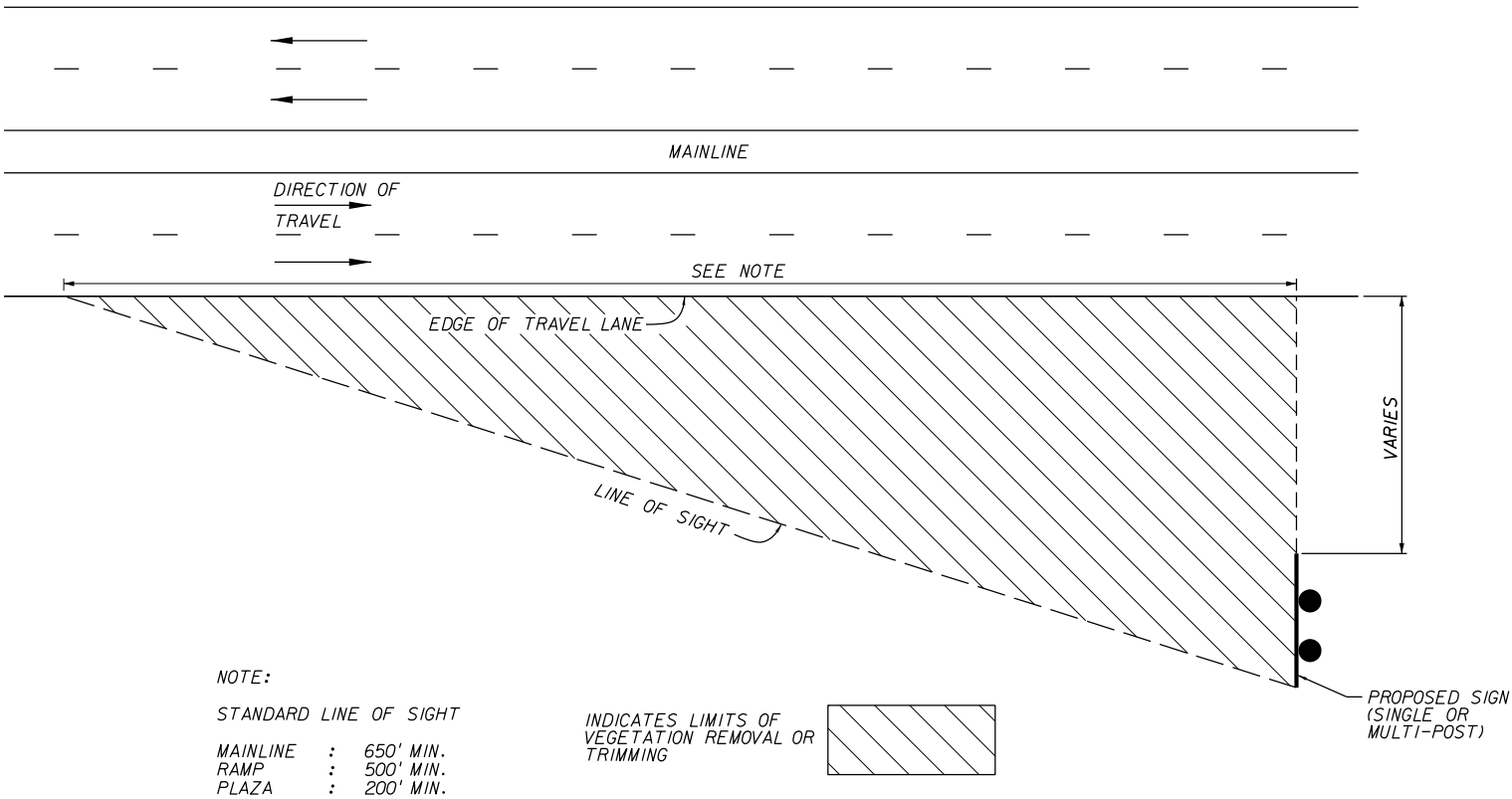
[illegible]

DATE \$	REVISIONS						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	SPECIAL SIGN DETAILS (TRUCK LANE RESTRICTION)	SHEET NO.
	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			113-2



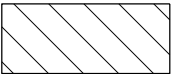
Sign post shall not be placed in any ditch bottom where standing water can occur or seasonal high water runoff can erode post foundation.

Sign posts shall not straddle ditch bottom.



NOTE:
STANDARD LINE OF SIGHT
MAINLINE : 650' MIN.
RAMP : 500' MIN.
PLAZA : 200' MIN.

INDICATES LIMITS OF
VEGETATION REMOVAL OR
TRIMMING



PROPOSED SIGN
(SINGLE OR
MULTI-POST)

N.T.S.

\$DATE\$

REVISIONS						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			MISCELLANEOUS DETAILS SIGN PLACEMENT		SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION						113-4
						ROAD NO.	COUNTY	FINANCIAL PROJECT ID			