

CIAC Worksheet

FPID: 123456-1-52-01

Project Description: S.R. 91 (Widen Turnpike Mainline from A Rd to B Rd)

Pay Item: 639-8-### ELECTRICAL POWER SERVICE- CONTRIBUTION IN AID OF CONSTRUCTION (CIAC), SAMPLE ELECTRIC AUTHORITY (DO NOT BID) LS/LS

* included as a portion of cost estimate

Cost Safety Factor (CSF)
2.0

Discipline	Overall Cost Information								Cost of Easements*		Cost of Permits*		Cost of Survey*		Notes	
	Service Point Designation	Location Description and Station/Offset	Service Point Voltage/ Phasing	Connected Load	UAO's % Design	Service Point Number	Feed Source	Cost Estimate	Allowable Final Design (Cost Estimate x CSF)	Included in Cost Estimate	Cost	Included in Cost Estimate	Cost	Included in Cost Estimate		Cost
ITS	UDS-SR91-243.6-SB	STA. 1744+69.08, 205.03' LT (CL CONST. SR 91)	120/240VAC, 1Ø, 3W	6.4 KVA	0%	1	Existing Transformer	\$ -	\$ -		\$ -		\$ -		\$ -	
	UDS-SR91-244.9-SB	STA. 1810+82.42, 429.35' LT (CL CONST. SR 91)	120/240VAC, 1Ø, 3W	13.1 KVA	0%	2	Existing Transformer	\$ -	\$ -		\$ -		\$ -		\$ -	
	UDS-SR91-245.9-SB	STA. 1868+76.44, 441.40' LT (CL CONST. SR 91)	120/240VAC, 1Ø, 3W	12.6 KVA	0%	3	Existing Transformer	\$ -	\$ -		\$ -		\$ -		\$ -	
	UDS-SR91-246.8-SB	STA. 1914+51.61, 230.86' LT (CL CONST. SR 91)	120/240VAC, 1Ø, 3W	8.5 KVA	30%	4	New Transformer	\$ 2,000.00	\$ 4,000.00	Not Required	\$ -	Not Required	\$ -	Not Required	\$ -	UAO point of presence adjacent to existing FDOT parcel.
	UDS-SR91-247.8-SB	STA. 1960+64.80, 230.66' LT (CL CONST. SR 91)	120/240VAC, 1Ø, 3W	6.3 KVA	30%	5	New Transformer	\$ 2,000.00	\$ 4,000.00	Not Required	\$ -	Not Required	\$ -	Not Required	\$ -	UAO point of presence adjacent to existing FDOT parcel.
	UDS-SR91-248.7-SB	STA. 2023+14.83, 228.63' LT (CL CONST. SR 91)	120/240VAC, 1Ø, 3W	9.3 KVA	30%	6	New Transformer	\$ 6,000.00	\$ 12,000.00	Not Required	\$ -	Not Required	\$ -	Not Required	\$ -	UAO point of presence adjacent to existing FDOT parcel.
	UDS-CR522-10.4-EB	STA. 621+46.70, 55.92' RT (BL OSCEOLA PKWY EB)	120/240VAC, 1Ø, 3W	5.8 KVA	0%	7	Existing Transformer	\$ -	\$ -		\$ -		\$ -		\$ -	
	UDS-CR522-11.1-WB	No Alligment. Coordinates: 28.344006, -81.375441	120/240VAC, 1Ø, 3W	5.8 KVA	0%	8	Existing Transformer	\$ -	\$ -		\$ -		\$ -		\$ -	
<i>ITS Subtotal</i>								\$ 20,000.00								
Lighting	A-243.6-SB	STA. 1744+69.08, 205.03' LT (CL CONST. SR 91)	240/480VAC, 1Ø, 3W	24.4 KVA	0%	1	Existing Transformer	\$ -	\$ -		\$ -		\$ -		\$ -	
	B-244.5-SB	STA. 47+14.31, 42.78' RT (RAMP F)	240/480VAC, 1Ø, 3W	41.2 KVA	45%	2	New Transformer	\$ 3,000.00	\$ 6,000.00	Not Required	\$ -	Not Required	\$ -	Not Required	\$ -	UAO point of presence adjacent to existing FDOT parcel.
	C-245.9-SB	STA. 1874+87.07, 147.65' LT (CL CONST. SR 91)	240/480VAC, 1Ø, 3W	48.8 KVA	45%	3	New Transformer	\$ 2,000.00	\$ 4,000.00	Not Required	\$ -	Not Required	\$ -	Not Required	\$ -	UAO point of presence adjacent to existing FDOT parcel.
	D-247.8-SB	STA. 1960+64.80, 230.66' LT (CL CONST. SR 91)	240/480VAC, 1Ø, 3W	46.9 KVA	45%	4	New Transformer	\$ 2,000.00	\$ 4,000.00	Not Required	\$ -	Not Required	\$ -	Not Required	\$ -	UAO point of presence adjacent to existing FDOT parcel.
	E-258.7-SB	STA. 13+88.91, 133.22' LT (RAMP L)	240/480VAC, 1Ø, 3W	19.9 KVA	45%	5	New Transformer	\$ 1,000.00	\$ 2,000.00	Not Required	\$ -	Not Required	\$ -	Not Required	\$ -	UAO point of presence adjacent to existing FDOT parcel.
	<i>Lighting Subtotal</i>								\$ 16,000.00							
Signals	UDS-CR522-10.7-EB	STA. 636+40.00, 65.04' RT (BL OSCEOLA PKWY EB)	120/240VAC, 1Ø, 3W	3.6 KVA	0%	1	New Transformer	\$ -	\$ -	Not Required	\$ -	Not Required	\$ -	Not Required	\$ -	Paid for under lighting item above. Shares primary with service point E-258.7-SB.
	UDS-CR522-10.9-EB	STA. 644+77.17, 45.17' RT (BL OSCEOLA PKWY EB)	120/240VAC, 1Ø, 3W	3.6 KVA	60%	2	Relocated/New Transformer	\$ 3,000.00	\$ 6,000.00	Yes	\$ 1,000.00	Yes	\$ 800.00	Yes	\$ 600.00	UAO point of presence adjacent to existing LA/RW.
								\$ -	\$ -		\$ -		\$ -		\$ -	
								\$ -	\$ -		\$ -		\$ -		\$ -	
	<i>Signals Subtotal</i>								\$ 6,000.00							
Signing								\$ -	\$ -		\$ -		\$ -		\$ -	
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								\$ -	\$ -		\$ -		\$ -		\$ -	
	<i>Signing Subtotal</i>								\$ -							
Irrigation	A-243.6-SB	STA. 1744+69.08 (CL CONST. SR 91)	120/240VAC, 1Ø, 3W	24.4 KVA	0%	A	Existing Transformer	\$ -	\$ -		\$ -		\$ -		\$ -	
	B-244.5-SB	STA. 1792+80 (CL CONST. SR 91) (47+14.31 RAMP F)	120/240VAC, 1Ø, 3W	41.2 KVA	60%	B	New Transformer	\$ 6,000.00	\$ 12,000.00	Not Required	\$ -	Not Required	\$ -	Not Required	\$ -	UAO point of presence adjacent to existing FDOT parcel.
	C-245.9-SB	STA. 1874+87.07 (CL CONST. SR 91)	120/240VAC, 1Ø, 3W	48.8 KVA	45%	C	New Transformer	\$ 3,000.00	\$ 6,000.00	Not Required	\$ -	Not Required	\$ -	Not Required	\$ -	UAO point of presence adjacent to existing FDOT parcel.
	D-247.8-SB	STA. 1960+64.80 (CL CONST. SR 91)	120/240VAC, 1Ø, 3W	46.9 KVA	60%	D	New Transformer	\$ 3,000.00	\$ 6,000.00	Not Required	\$ -	Not Required	\$ -	Not Required	\$ -	UAO point of presence adjacent to existing FDOT parcel.
	E-258.7-SB	STA. 2022+97 (CL CONST. SR 91) (13+88.91 RAMP L)	120/240VAC, 1Ø, 3W	19.9 KVA	60%	E	New Transformer	\$ 6,000.00	\$ 12,000.00	Not Required	\$ -	Not Required	\$ -	Not Required	\$ -	UAO point of presence adjacent to existing FDOT parcel.
	<i>Irrigation Subtotal</i>								\$ 36,000.00							
Tolls	MDP, Toll Site 3	STA. 18+40.00, 27.00' LT (BL CONST. RAMP E)	120/240VAC, 1Ø, 3W	32 kVA	30%	3	New Transformer	\$ 3,500.00	\$ 7,000.00	Yes	\$ 1,000.00	Yes	\$ 800.00	Yes	\$ 1,200.00	
	MDP, Toll Site 4	STA. 12+65.00, 27.00' LT (BL CONST. RAMP F)	120/240VAC, 1Ø, 3W	32 kVA	30%	4	New Transformer	\$ 2,000.00	\$ 4,000.00	Not Required	\$ -	Not Required	\$ -	Not Required	\$ -	UAO point of presence adjacent to existing FDOT parcel.
	MDP, Toll Site 5	STA. 19+70.00, 27.00' RT (BL CONST. RAMP L)	120/240VAC, 1Ø, 3W	32 kVA	30%	5	New Transformer	\$ 1,500.00	\$ 3,000.00	Not Required	\$ -	Not Required	\$ -	Not Required	\$ -	UAO point of presence adjacent to existing FDOT parcel.
	MDP, Toll Site 6	STA. 53+50.00, 50.00' LT (BL CONST. RAMP K)	120/240VAC, 1Ø, 3W	32 kVA	30%	6	New Transformer	\$ 400.00	\$ 800.00	Not Required	\$ -	Not Required	\$ -	Not Required	\$ -	UAO point of presence adjacent to existing FDOT parcel.
	<i>Tolls Subtotal</i>								\$ 14,800.00							

Grand Total

\$ 92,800.00

CIAC Process

- Request confirmation from the power representative that service can be provided at the requested location, include the voltage and load requirements.
- If service cannot be provided at the requested location without CIAC, the EOR/Designer should ask the power company to provide alternate locations.
- If there are no alternative location suitable, the EOR/Designer must determine the estimated CIAC cost to ensure it is incorporated into the non-bid pay items.
- Disciplines should share / coordinate Service Points where possible to prevent unnecessary CIAC costs.

Notes to Preparer

- Coordinate with the DUA for approval / authorization to open the pay item(s) assignment.
- Coordinate with the District Specs Office for projects with multiple UAOS.
- For second UAO, use another Tab.