HIGHLANDS COUNTY
BOARD OF COUNTY COMMISSIONERS
(HCBCC)
PURCHASING DIVISION

DATE: January 23, 2020

BID NO. ITB 19-005 ADDENDUM No. 5

Project: 19-005 Sebring Parkway Phase IIA Project No. 17062- #429841-1-54-01, Sebring Parkway Phase IIB Project No. 17063- #433553-1-54-01, and the City of Sebring Utility Modifications

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This addendum is being issued to revise the Bid Form Part 1, Bid Form Part 5, plan set sheets T-2 & T-5 and address questions received.

1. **The Bid Form Part 1 Sebring Parkway Phase IIA has been revised**. Please see the corrected quantity on Bid Form Part 1 for item # 90- PEDESTRIAN SIGNAL, F&I LED COUNTDOWN, 1 WAY revised to 10 EA. This revision is highlighted in yellow on Attachment A Revised Bid Form for Part 1. Bidders shall use the attached Bid form for Part 1 and include with other Parts of the bid form Part 1-6 as required with their submittal.

2. **The Bid Form Part 5 City of Sebring Utility Modifications (Waterline & Forced Main) has been revised**. This revision includes some quantity changes, the addition of line items numbered 48B through 48 I and items numbered 60-61 on the bid form. These are highlighted in yellow to show the revisions. See Attachment B. All bidders must use the Bid Form Part #5 attached to this Addendum No 5 (dated 1/23/20) with their bid submittal and the other Parts of the Bid Form 1-6 as required with their submittal.

3. See revised plan set sheets T-2 and T-5 by Kimley-Horn revising the quantity for Item No. 653-1-11 on Sheet T-2 to 8. See Attachment C.

Questions and Answers

1. **Prequalification** ITB Division 0, Section 00010, indicates that Bidders must be FDOT Prequalified in Work Classes Flexible Paving, Hot Plant-Mixed Bitumen Courses, Drainage, Grading, Roadway Signing, Sidewalk, Traffic Signal, Curbs and Milling. Bidder or its subcontractor must also be FDOT Prequalified in Underground Utilities. Based on the FDOT website, none of the Bidders at the pre-bid conference meet all the FDOT Prequalification Work Classes listed. Please confirm whether subcontractors can provide the prequalification status for specialty items, such as Roadway Signing and Traffic Signals?

Answer: Either the Prime Contractor or Subcontractor must be prequalified in each of the Work group. Subcontractors will not be required to be FDOT pre-qualified in any area of the project the Prime Contractor is FDOT pre-qualified.

2. **Prequalification** ITB Division 0, Section 00100, Article 12.5 requires all subcontractors to be FDOT Prequalified in the Work Class for which they will perform. Please confirm if this requirement only applies to subcontractors working within FDOT right-of-way, or if all subcontractors working on the project will be required to be FDOT prequalified?
   Answer: Either the Prime Contractor or Subcontractor must be FDOT prequalified in each of the Work groups. Subcontractors will not be required to be FDOT pre-qualified in any Work group of the project, unless the Prime is not.

3. **Contract Documents** ITB Division 0, Section 00500, Article 7 does not appear to be updated for the Documents provided. Please confirm?
   Answer: The contract will be updated to reflect the documents provided with this solicitation.

4. **Insurance** ITB Division 0, Section 00501, Article 14 provides insurance requirements. ITB Division 0, Section 00800, Supplemental Conditions Article SC-6.03.K requires different requirements. Please confirm the applicable insurance requirements for this Contract with respect to Workers' Compensation, Commercial General Liability, Commercial Auto Liability, Railroad Protective Liability and Umbrella Excess Liability? Please confirm whether ITB Division 0, Section 00800, Supplemental Conditions Article SC-6.03.L applies, and each Subcontractor must maintain the same insurance as the Prime, as noted in SC-6.03.K?
   Answer: The County and the City will have separate contracts for the work as indicated however the insurance will be the same for both entities. The insurance specified in Section 00501, Article 14 is deleted and replaced with that insurance required in Section 00800, Supplemental Conditions, Article SC 6.03 K. All entities identified in Section 00800, Supplemental Conditions Article SC-6.03 K 7 including Highlands County, FDOT, South Central Florida Express, Inc. and the City of Sebring must be named as "additionally insured." The Supplemental Conditions, Article SC-6.03 is the insurance required by the Prime Contractor and does not apply to subcontractors. Also, regarding the Railroad insurance for the Subcontractor, See Addendum #3, Q & A #14.

5. In a previous question we asked if you will provide us with the MOT plans, if the answer is no, and the design of the MOT plans for all 6 parts of the bid form are responsibility of the contractor, we would like to request an extension of the bid date to February 21st 2020.
   Answer: It is the responsibility of the contractor to provide MOT plans for all phases of the projects. As stated in Addendum #4, the bid opening has been extended 7 days until January 30, 2020 at 3:30 p.m.

6. Not sure what temp signals are required but I do know existing traffic signal poles will be in conflict with the new roadway alignment. Is it the intent to have the existing signals remain operational until the new traffic signals have been completed?
   Answer: All existing traffic signals shall remain operational. It will be the responsibility of the contractor to determine their construction means and methods, whether it be through temporary signals or maintaining operation of the existing traffic signals until placement of the proposed traffic signals.

7. There 4 pedestrian signals on plan sheet T-5 but it would appear 8 are required as there are 8 aluminum poles and 8 pedestrian detectors...see tabulations on plan sheet T-2.
   Answer: Item No. 653-1-11 on Sheet T-2 is incorrect. The quantity for Item No. 653-1-11 on Sheet T-2 should be 8. Please also see revised Bid Form #1, Item 90 has been revised from 6 to 10 EA. See Revised Plan Sheets -Attachment C.

ATTACHMENT A

A. Pricing

1. A Total Bid Amount is requested. Bidder will complete the Work in accordance with the Contract Documents for the following Total Bid Amount as shown on page 00300-24 of this Bid Form including Parts 1- 6. Award will be based on the Total Bid Amount for Parts 1-6 and requirements of Bidder. All work for this ITB will be awarded to one (1) Bidder.

2. Due to several different funding sources for this project, the Bid Form has been divided into Six (6) separate Parts, each Part has a Sub Total Amount. The Bidder is required to provide pricing on all Six Parts of the Bid Form. All Sub Total Amounts (Parts 1 -6) are to be added together on the Summary Bid page to equal the Total Bid Amount on that Summary page 00300-24.

TABULATION OF QUANTITIES:

BID FORM PART #1 - SEBRING PARKWAY PHASE IIA:

TASK NO.	ITEM DESCRIPTION	QTY	UNIT	UNIT COST	ITEM COST
1	MOBILIZATION	1	LS	$	$
2	BONDS & INSURANCE	1	LS	$	$
3	CONSTRUCTION SURVEY STAKING INCLUDING AS-BUILT	1	LS	$	$
4	TESTING	1	LS	$	$
5	MAINTENANCE OF TRAFFIC	1	LS	$	$
6	BUSINESS SIGN	3	EA	$	$
7	PORTABLE CHANGEABLE MESSAGE SIGNS, TEMPORARY (TWO)	365	ED	$	$
8	SEDIMENT BARRIER TEMPORARY	8,400	LF	$	$
9	CLEARING AND GRUBBING INCLUDING TREE REMOVAL	1	LS	$	$
10	REMOVAL OF EXISTING CONCRETE PAVEMENT DRIVEWAY	472	SY	$	$
11	REMOVAL OF EXISTING ASPHALT PAVEMENT (DRIVEWAY & ROADWAY) VIA MILLING	14,764	SY	$	$
12	REGULAR EXCAVATION	21,200	CY	$	$
13	EMBANKMENT (IN-PLACE)	4,500	CY	$	$

14	TYPE B STABILIZATION, LBR 40 12" COMPACTED THICKNESS (ROADWAY)	24,991	SY	$	$
15	OPTIONAL BASE, BASE GROUP 9, 10” COMPACTED THICKNESS (ROADWAY, SIDE STREETS, & COMMERCIAL DRIVEWAYS)	24,820	SY	$	$
16	OPTIONAL BASE, BASE GROUP 4, 6" COMPACTED THICKNESS (RESIDENTIAL DRIVEWAY & 6” THK SIDEWALKS)	491	SY	$	$
17	MILLING EXISTING ASPH PAVT, 1 1/2" AVG DEPTH	2,826	SY	$	$
18	SUPERPAVE ASPHALTIC CONCRETE, 3” THICK, RAP 30% MAXIMUM, PLACED IN TWO EQUAL LAYERS, 1½" THICK EACH	4,053	TN	$	$
19	SUPERPAVE ASPHALTIC CONCRETE, 1½" THICK, RAP 30% MAXIMUM, ROADWAY (SIDE STREETS)	98	TN	$	$
20	SUPERPAVE ASPHALTIC CONCRETE, 1½" THICK, RAP 30% MAXIMUM, COMMERCIAL DRIVEWAY)	141	TN	$	$
21	CONCRETE SIDEWALKS AND DRIVEWAYS, 4" THICK, INCLUDE RAMP CONSTRUCTION	2,789	SY	$	$
22	CONCRETE SIDEWALKS AND DRIVEWAYS, 6" THICK INCLUDE RAMP CONSTRUCTION	491	SY	$	$
23	CONCRETE CURB, TYPE E	2,295	LF	$	$
24	CONCRETE CURB, TYPE F	8,325	LF	$	$
25	CONCRETE CURB, DROP CURB	1,172	LF	$	$
26	CONCRETE TRAFFIC SEPARATOR (SPECIAL) (TYPE 1) (3' WIDE)	205	LF	$	$
27	INDEX NO. 870 - ALUMINUM PIPE GUIDERAIL	26	LF	$	$
28	15" (HDPE) HIGH-DENSITY POLYETHYLENE PIPE	406	LF	$	$
29	18” (HDPE) HIGH-DENSITY POLYETHYLENE PIPE	1,647	LF	$	$
30	18" (RCP) REINFORCED CONCRETE PIPE	1,030	LF	$	$
31	24" (RCP) REINFORCED CONCRETE PIPE	1,099	LF	$	$

32	24” (HDPE) HIGH-DENSITY POLYETHYLENE PIPE	386	LF	$	$
33	18" x 12" (RCP) REINFORCED CONCRETE PIPE	640	LF	$	$
34	2" SCHEDULE 40 PVC IRRIGATION SLEEVE	362	LF	$	$
35	2" SCHEDULE 40 PVC CONDUIT PIPE	5,506	LF	$	$
36	INDEX NO. 211 - CURB INLET TYPE 5 (LEFT) WITH RECTANGULAR STRUCTURE BOTTOM	13	EA	$	$
37	INDEX NO. 211 - CURB INLET TYPE 5 (RIGHT) WITH RECTANGULAR STRUCTURE BOTTOM	10	EA	$	$
38	PRECAST CURB INLET TYPE 6 (EDGE)	5	EA	$	$
39	INDEX NO. 214 - CURB INLET TYPE 9 WITH RECTANGULAR STRUCTURE BOTTOM	8	EA	$	$
40	INDEX NO. 232 - DITCH BOTTOM INLET - TYPE C	5	EA	$	$
41	JUNCTION BOX	1	EA	$	$
42	MODIFIED TYPE C INLET UNDER WALK	2	EA	$	$
43	MODIFIED TYPE C "BOX"	20	EA	$	$
44	MITERED END SECTION 15" HDPE	1	EA	$	$
45	MITERED END SECTION 18"X12” ERCP	14	EA	$	$
46	PERFORMANCE TURF (SOD)	22,763	SY	$	$
47	SINGLE POST SIGN, F & I, GM <12 SF	36	AS	$	$
48	SINGLE POST SIGN, F & I, GM >12 SF	3	AS	$	$
49	SINGLE POST SIGN, REMOVE & RELOCATE	4	AS	$	$
50	SINGLE POST SIGN, REMOVE & DISCARD	17	AS	$	$
51	DELINEATOR, YELLOW (HIGH VISIBILITY)	8	EA	$	$
52	RETRO-REFLECTIVE PAVEMENT MARKERS, YELLOW/RED	150	EA	$	$

53	RETRO-REFLECTIVE PAVEMENT MARKERS, CLEAR/RED	240	EA	$	$
54	TEMPORARY PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 6”	1.97	GM	$	$
55	TEMPORARY PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 12”	0.33	GM	$	$
56	TEMPORARY PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 24”	1,076	LF	$	$
57	TEMPORARY PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 6" (10'/30')	1.02	GM	$	$
58	TEMPORARY PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 6”	1.72	GM	$	$
59	TEMPORARY PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 18"	250	LF	$	$
60	TEMPORARY PAINTED PAVEMENT MARKINGS, STD, YELLOW, DOTTED, 6” (6'/10')	0.09	GM	$	$
61	TEMPORARY PAINTED PAVEMENT MARKINGS, STD, WHITE, TURN ARROW	29	EA	$	$
62	TEMPORARY PAINTED PAVEMENT MARKINGS, STD, WHITE, “RAILROAD CROSSING” SYMBOL	5	EA	$	$
63	THERMOPLASTIC, STANDARD, WHITE, SOLID, 6”	1.97	GM	$	$
64	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	0.33	GM	$	$
65	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24”	1,076	LF	$	$
66	THERMOPLASTIC, STANDARD, WHITE, SKIP, 6" (10'/30')	1.02	GM	$	$
67	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 6”	1.72	GM	$	$
68	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18"	250	LF	$	$
69	THERMOPLASTIC, STANDARD, YELLOW, DOTTED, 6” (6'/10')	0.09	GM	$	$
70	THERMOPLASTIC, STANDARD, WHITE, TURN ARROW	29	EA	$	$
71	THERMOPLASTIC, STANDARD, WHITE, “RAILROAD CROSSING” SYMBOL	5	EA	$	$

72	DETECTABLE WARNINGS (COLOR YELLOW, EMBEDDED TYPE)	307	SF	$	$
73	THERMOPLASTIC, STANDARD YELLOW, BULLNOSE	47	SF	$	$
74	SCFE RAILROAD SIGNALS INCL. TRAFFIC & PEDESTRIAN **(ALLOWANCE – FOR WORK PROVIDED BY OTHERS)**	1	LS	$ 300,000.00	$ 300,000.00
TRAFFIC SIGNALIZATION FOR YOUTH CARE LANE & DESOTO ROAD					
75	CONDUIT, F&I, OPEN TRENCH	1,294	LF	$	$
76	CONDUIT, F&I, DIRECTIONAL BORE	724	LF	$	$
77	SIGNAL CABLE, NEW OR RECONSTRUCTED INTERSECTION, F&I	2	PI	$	$
78	PULL & SPLICE BOX, F&I, 13'X24" COVER SIZE	25	EA	$	$
79	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER FURNISHED BY CONTRACTOR	1	AS	$	$
80	ELECTRICAL SERVICE WIRE, F&I	10	LF	$	$
81	PRESTRESSED CONCRETE POLE, F&I, TYPE P-11 SERVICE POLE	1	EA	$	$
82	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL – POLE 30' AND GREATER	2	EA	$	$
83	ALUMINUM SIGNALS POLE, PEDESTAL	10	EA	$	$
84	STEEL MAST ARM ASSEMBLY, F&I, SINGLE ARM 40'	1	EA	$	$
85	STEEL MAST ARM ASSEMBLY, F&I, SINGLE ARM 50'	1	EA	$	$
86	STEEL MAST ARM ASSEMBLY, F&I, SINGLE ARM 60'	2	EA	$	$
87	TRAFFIC SIGNAL, F&I ALUMINUM, 3 SECTION, 1 WAY	10	AS	$	$
88	TRAFFIC SIGNAL, F&I ALUMINUM, 4 SECTION, 1 WAY	4	EA	$	$
89	TRAFFIC SIGNAL, REMOVE-POLES TO REMAIN	3	AS	$	$
90	PEDESTRIAN SIGNAL, F&I LED COUNTDOWN, 1 WAY	10	EA	$	$

91	LOOP DETECTOR INDUCTIVE, F&I, TYPE 9	11	EA	$	$
92	LOOP DETECTOR INDUCTIVE, F&I, TYPE 10	3	EA	$	$
93	LOOP ASSEMBLY, F&I, TYPE B	16	AS	$	$
94	LOOP ASSEMBLY, F&I, TYPE F	11	AS	$	$
95	PEDESTRIAN DETECTOR, F&I, STANDARD	10	EA	$	$
96	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA, 1 PREEMPTION	2	AS	$	$
97	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	1	AS	$	$
98	UNINTERRUPTIBLE POWER SUPPLY, F&I, LINE INTERACTIVE WITH CABINET	2	EA	$	$
99	OVERHEAD SIGN BRACKET ARM (ONE ARM)	4	AS	$	$
100	INTERNALLY ILLUMINATED SIGN, F&I, OVERHEAD MOUNT, UP TO 12 SF	4	EA	$	$
PART #1 - SEBRING PARKWAY PHASE IIA – (TASKS 1-100) **SUB TOTAL AMOUNT WRIITEN IN NUMBERS**					$
Sub Total Part #1 written in words:					

LS = Lump Sum, SY = Square Yard, TN = Ton, LF = Linear Foot, and EA = Each, AS = Assembly

F & I = Furnish and Install

ATTACHMENT B

CITY OF SEBRING UTILITY MODIFICATIONS- REVISED 1/23/20

BID FORM PART #5-CITY OF SEBRING UTILITY MODIFICATIONS (WATER LINE & FORCE MAIN)

TASK NO.	ITEM DESCRIPTION	QTY	UNIT	UNIT PRICE	ITEM COST
WATER LINE					
1	MOBILIZATION	LS	1		$
2	BONDS & INSURANCE	LS	1		$
3	CONSTRUCTION SURVEY STAKING INCLUDING AS-BUILT	LS	1		$
4	MAINTENANCE OF TRAFFIC	LS	1		$
5	TESTING	LS	1		$
6	2” RING TITE	LF	230	$	$
7	4” DR 18 AWWA C-900	LF	80	$	$
8	6” DR 18 AWWA C-900	LF	45	$	$
9	8” DR 18 AWWA C-900	LF	1750	$	$
10	12” DR 18 AWWA C-900	LF	6520	$	$
11	DIRECTIONAL BORE 14” HDPE SDR 11 WITH MEGALUG REDUCERS & STAINLESS STEEL STIFFNERS	LF	270	$	$
12	JACK & BORE 24” X-HEAVY STEEL CASING (0.5” THICK), INC. SPACERS & JOINT RESTRAINTS	LF	200	$	$
13	16” STANDARD STEEL CASING (0.375” THICK)	LF	285	$	$
14	24” X-HEAVY STEEL CASING (0.5” THICK)	LF	930	$	$
15	2” STAINLESS STEEL TAPPING SADDLE ASSEMBLY	EA	7	$	$
16	4” STAINLESS STEEL TAPPING SADDLE ASSEMBLY	EA	4	$	$
17	6” STAINLESS STEEL TAPPING SADDLE ASSEMBLY	EA	2	$	$
18	8” STAINLESS STEEL TAPPING SADDLE ASSEMBLY	EA	7	$	$

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19	12” STAINLESS STEEL TAPPING SADDLE ASSEMBLY	EA	4	$	$
20	FIRE HYDRANT ASSEMBLY	EA	3	$	$
21	8”x8”x4” MEG-A-LUG AWWA WATER TEE	EA	4	$	$
22	12”x12”x6” MEG-A-LUG AWWA WATER TEE	EA	1	$	$
23	12”x12”x8” MEG-A-LUG AWWA WATER TEE	EA	8	$	$
24	12”x12”x12” MEG-A-LUG AWWA WATER TEE	EA	6	$	$
25	12”X2” TAPPING SADDLE MANUAL AIR RELEASE VALVE ASSEMBLY/SAMPLE POINT WITH FITTINGS	EA	1	$	$
26	2” RING-TITE WATER GATE VALVE WITH VALVE COVER BOX	EA	4	$	$
27	4” AWWA WATER GATE VALVE WITH VALVE COVER BOX	EA	4	$	$
28	6” AWWA WATER GATE VALVE WITH VALVE COVER BOX	EA	2	$	$
29	8” AWWA WATER GATE VALVE WITH VALVE COVER BOX	EA	16	$	$
30	12” AWWA WATER GATE VALVE WITH VALVE COVER BOX	EA	33	$	$
31	4” AWWA WATER GATE VALVES CUT INTO ACTIVE LINES WITH VALVE COVER BOX	EA	4	$	$
32	6” AWWA WATER GATE VALVES CUT INTO ACTIVE LINES WITH VALVE COVER BOX	EA	4	$	$
33	8” AWWA WATER GATE VALVES CUT INTO ACTIVE LINES WITH VALVE COVER BOX	EA	5	$	$
34	12” AWWA WATER GATE VALVES CUT INTO ACTIVE LINES WITH VALVE COVER BOX	EA	4	$	$
35	12” AWWA 11.25° ELBOW	EA	6	$	$
36	6” AWWA 22.5° ELBOW	EA	1	$	$
37	12” AWWA 22.5° ELBOW	EA	3	$	$

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38	6” AWWA 45° ELBOW	EA	2	$	$
39	12” AWWA 45° ELBOW	EA	30	$	$
40	8” AWWA 45 degree ELBOW	EA	17	$	$
40A	MISCELANEOUS MECHANCICAL JOINTS, RESTRAINING JOINTS & BELL RESTRAINTS	LS	1		~~$~~
41	8” AWWA 90° ELBOW	EA	6	$	$
42	12” AWWA 90° ELBOW	EA	3	$	$
43	12”- > 8” AWWA REDUCERS	EA	1	$	$
43A	8”- > 6” AWWA REDUCERS	EA	1	$	$
44	14”- > 12” AWWA REDUCERS	EA	6	$	$
45	2” LOCATOR TAPE	LF	7,000	$	$
46	12 GA LOCATOR WIRE (BURIED & Directional Drill Bore)	LF	7,540	$	$
~~47~~	~~12 GA DIRECTIONAL DRILL/BORE PIPE~~ (item deleted)			~~$~~	~~$~~
48	BLOWOFF ASSEMBLY	EA	13	$	$
48A	TEMPORARY SAMPLE POINTS ASSEMBLY INCLUDING TAPPING SADDLE INTO WATERLINE (FOR TESTING)	EA	26	$	$
48B	GROUT EXISTING 2” WATERLINE	LF	600	$	$
48C	GROUT EXISTING 4” WATERLINE	LF	300	$	$
48D	GROUT EXISTING 6” WATERLINE	LF	300	$	$
48E	GROUT EXISTING 8” WATERLINE	LF	1,300	$	$
48F	GROUT EXISTING 12” WATERLINE	LF	4,200	$	$

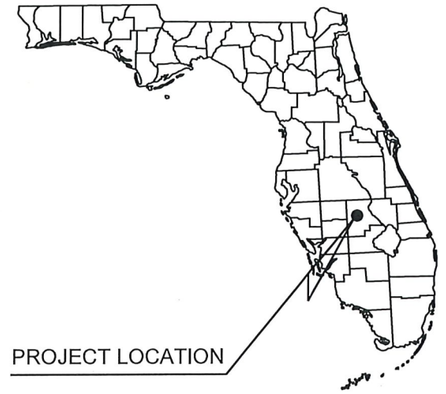
1/23/20 Revised Bid Form - Part #5 only (4 pages)

48G	4” MJ 90	EA	4	$	$
48H	REMOVE EXISTING HYDRANT	EA	3	$	$
48 I	2” COUPLING	EA	2	$	$
FORCE MAIN (SEWER)					
49	10” DR 18 AWWA C-900 FORCE MAIN	LF	5,150	$	$
50	DIRECTIONAL BORE 12” HDPE SDR 11 WITH MEGALUG REDUCERS AND STAINLESS STEEL STIFFNERS	LF	245	$	$
51	20” X-HEAVY STEEL CASING (0.5” THICK)	LF	340	$	$
52	10” MEG-A-LUG GATE VALVE	EA	4	$	$
53	10”x2” TAPPING SADDLE MANUAL AIR RELEASE VALVE ASSEMBLY	EA	1	$	$
54	10” MEG-A-LUG 11.25° ELBOW	EA	5	$	$
55	10” MEG-A-LUG 22.5° ELBOW	EA	4	$	$
56	10” MEG-A-LUG 45° ELBOW	EA	13	$	$
57	2” LOCATOR TAPE	LF	4900	$	$
58	12 GA LOCATOR WIRE (BURIED AND DIRECTIONAL DRILL BORE)	LF	5400	$	$
59	MISCELANEOUS MECHANCICAL JOINTS, RESTRAINING JOINTS & BELL RESTRAINTS	LS	1		$
60	10” MJ CAP P401	EA	1	$	$
61	10” x 20 SPACERS AND RESTRAINTS FOR CASING	EA	530	$	$
PART #5, CITY OF SEBRING UTILITY (Task 1-6) SUB TOTAL AMOUNT					$
Sub Total amount written in words:					

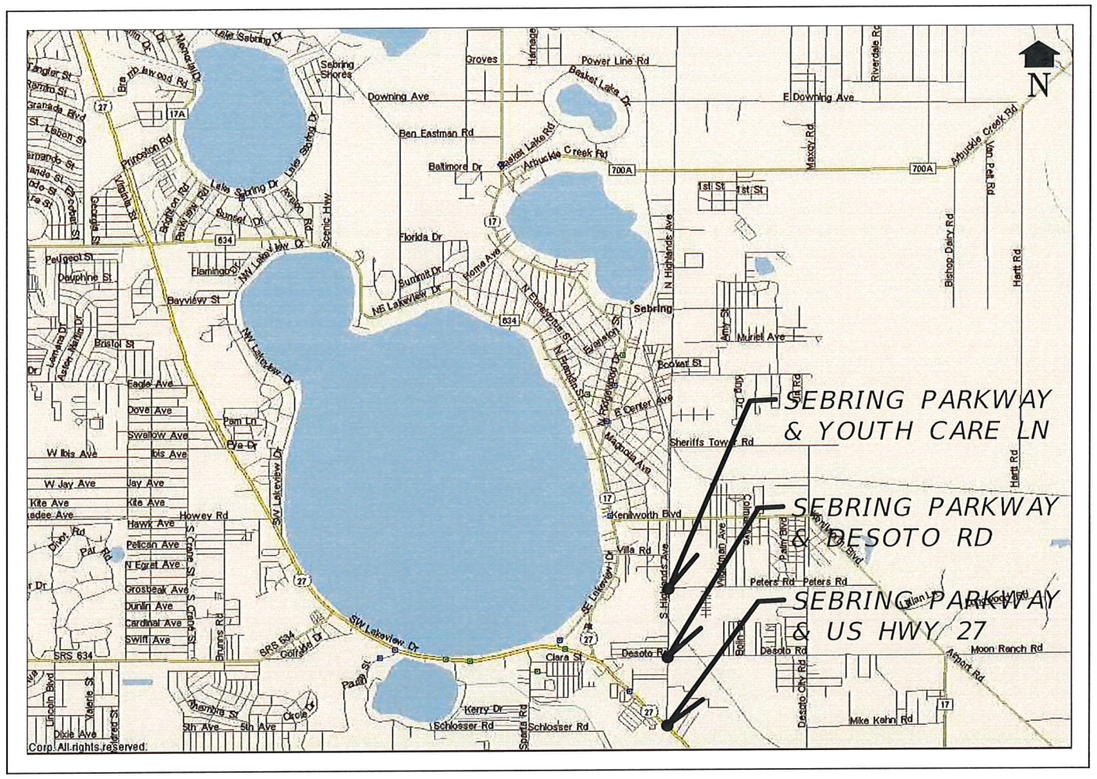
1/23/20 Revised Bid Form - Part #5 only (4 pages)

ATTACHMENT C

SIGNALIZATION AND LIGHTING PLANS
FOR
SEBRING PARKWAY
SIGNAL DESIGN SERVICES
SEBRING, FLORIDA
SEPTEMBER 24, 2019



INDEX OF DRAWINGS



VICINITY MAP
N.T.S.

SIGNALIZATION SHOP DRAWINGS TO BE SUBMITTED TO:

JOHN R. SEALS, P.E.
655 NORTH FRANKLIN STREET
TAMPA, FL 33602
PHONE (813) 620-1460

PLANS PREPARED BY:

Kimley»Horn

655 NORTH FRANKLIN STREET
TAMPA, FL 33602
PHONE (813) 620-1460
CERTIFICATE OF AUTHORIZATION: 00000696

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

FINAL SUBMITTAL
SEPTEMBER 24, 2019

SIGNALIZATION PLANS ENGINEER OF RECORD: _____
JOHN R. SEALS

P.E. NO.: 51505

JOHN ROBERT SEALS
LICENSE
No. 51505
STATE OF FLORIDA
PROFESSIONAL ENGINEER
1-21-2020

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FY 2018-19, JANUARY 2018 EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS

For Design Standards modifications go to the following Web site:
http://www.dot.state.fl.us/rddesign/DesignStandards/Standards.shtm

REVISIONS:

		DATE
1	REVISED T-2, T-5	1-21-2020

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS										TOTAL THIS SHEET		GRAND TOTAL	
			T-4		T-5		T-6		T-6A							
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	498		796		810						2,104		2,104	
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	326		398		637						1,361		1,361	
632-7-1	SIGNAL CABLE, NEW OR RECONSTRUCTED INTERSECTION, F&I	PI	1		1		1						3		3	
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	8		17		18						43		43	
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA					1						1		1	
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER FURNISHED BY CONTRACTOR	AS			1		1						2		2	
639-2-1	ELECTRICAL SERVICE WIRE, F&I	LF			10		20						30		30	
639-3-11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA					1						1		1	
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA			1		1						2		2	
641-2-80	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL - POLE 30' AND GREATER	EA			2								2		2	
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	2		8		4						14		14	
649-1-63	STEEL STRAIN POLE, REMOVE, SHALLOW FOUNDATION REMOVAL, BOLT ON ATTACHMENT	EA					2						2		2	
649-21-3	STEEL MAST ARM ASSEMBLY, F&I, SINGLE ARM 40'	EA			1								1		1	
649-21-6	STEEL MAST ARM ASSEMBLY, F&I, SINGLE ARM 50'	EA			1								1		1	
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, SINGLE ARM 60'	EA			2								2		2	
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, SINGLE ARM 78'	EA					2						2		2	
649-21-182	STEEL MAST ARM ASSEMBLY, F&I, PROJECT SPECIFIC APPROVAL (82')	EA					1						1		1	
649-26-3	STEEL MAST ARM ASSEMBLY, REMOVE, SHALLOW FOUNDATION, BOLT ON ATTACHMENT	EA					1						1		1	
650-1-14	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	2		8				12				22		22	
650-1-16	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	EA			4								4		4	
650-1-19	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION CLUSTER, 1 WAY	EA							2				2	1	2	
650-1-60	TRAFFIC SIGNAL, REMOVE-POLES TO REMAIN	AS	3										3		3	
653-1-11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	EA	2		8 1				4				14		14	
660-1-109	LOOP DETECTOR INDUCTIVE, F&I, TYPE 9	EA	5		6		11						22		22	
660-1-110	LOOP DETECTOR INDUCTIVE, F&I, TYPE 10	EA	1		2		1						4		4	
660-2-102	LOOP ASSEMBLY, F&I, TYPE B	AS	8		8		18						34		34	
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	AS	3		8		7						18		18	
665-1-11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	2		8		4						14		14	
670-5-111	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA, 1 PREEMPTION	AS	1		1		1						3		3	
670-5-600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS			1		1						2		2	
685-1-13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET	EA	1		1		1						3		3	
699-1-1	OVERHEAD SIGN BRACKET ARM (ONE ARM)	AS			4				2				6		6	
699-1-2	OVERHEAD SIGN BRACKET ARM (TWO ARM)	AS							1				1		1	
700-5-21	INTERNALLY ILLUMINATED SIGN, F&I, OVERHEAD MOUNT, UP TO 12 SF	EA							2				2		2	
700-5-22	INTERNALLY ILLUMINATED SIGN, F&I, OVERHEAD MOUNT, 12 SF TO 18 SF	EA			4				2				6		6	
715-5-30	LUMINAIRE AND BRACKET ARM, INSTALL	EA					1								1	

JOHN ROBERT SEALS LICENSE No. 51505 STATE OF FLORIDA PROFESSIONAL ENGINEER
1-21-2020

No.	REVISIONS	DATE	BY
1	REVISE QUNATITY	1-21-2020	JRS

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KHA PROJECT 140057006
DATE 09/17/2019
SCALE AS SHOWN
DESIGNED BY JRS
DRAWN BY NRH
CHECKED BY JRS

HIGHLANDS COUNTY
FLORIDA

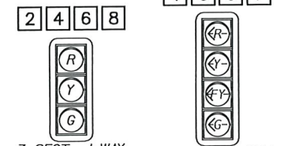
LICENSED PROFESSIONAL
JOHN R. SEALS, P.E.
FLORIDA LICENSE NUMBER
51505
DATE:

SEBRING PARKWAY
SIGNAL DESIGN SERVICES
TABULATION OF QUANTITIES
SIGNAL

SHEET NUMBER
T-2

SIGNAL DISPLAY DETAILS

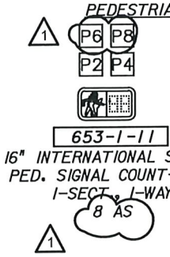
ALL INDICATIONS SHALL BE L.E.D. AND INCLUDE BACK PLATES WITH 2" YELLOW REFLECTORIZED OUTER EDGE BORDER

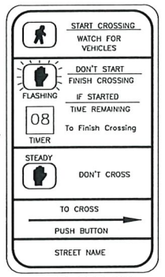


3-SECT., 1-WAY
8 AS
650-1-14

4-SECT., 1-WAY
4 AS
650-1-16

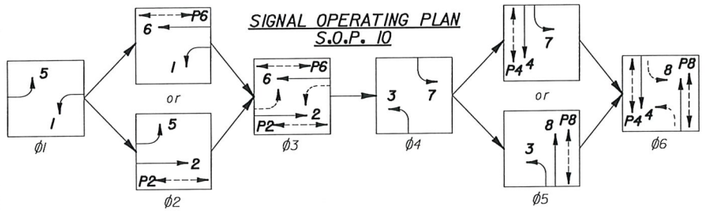
PEDESTRIAN DISPLAY DETAILS





FTP-69B-06
4 EA

SIGNAL OPERATING PLAN S.O.P. 10

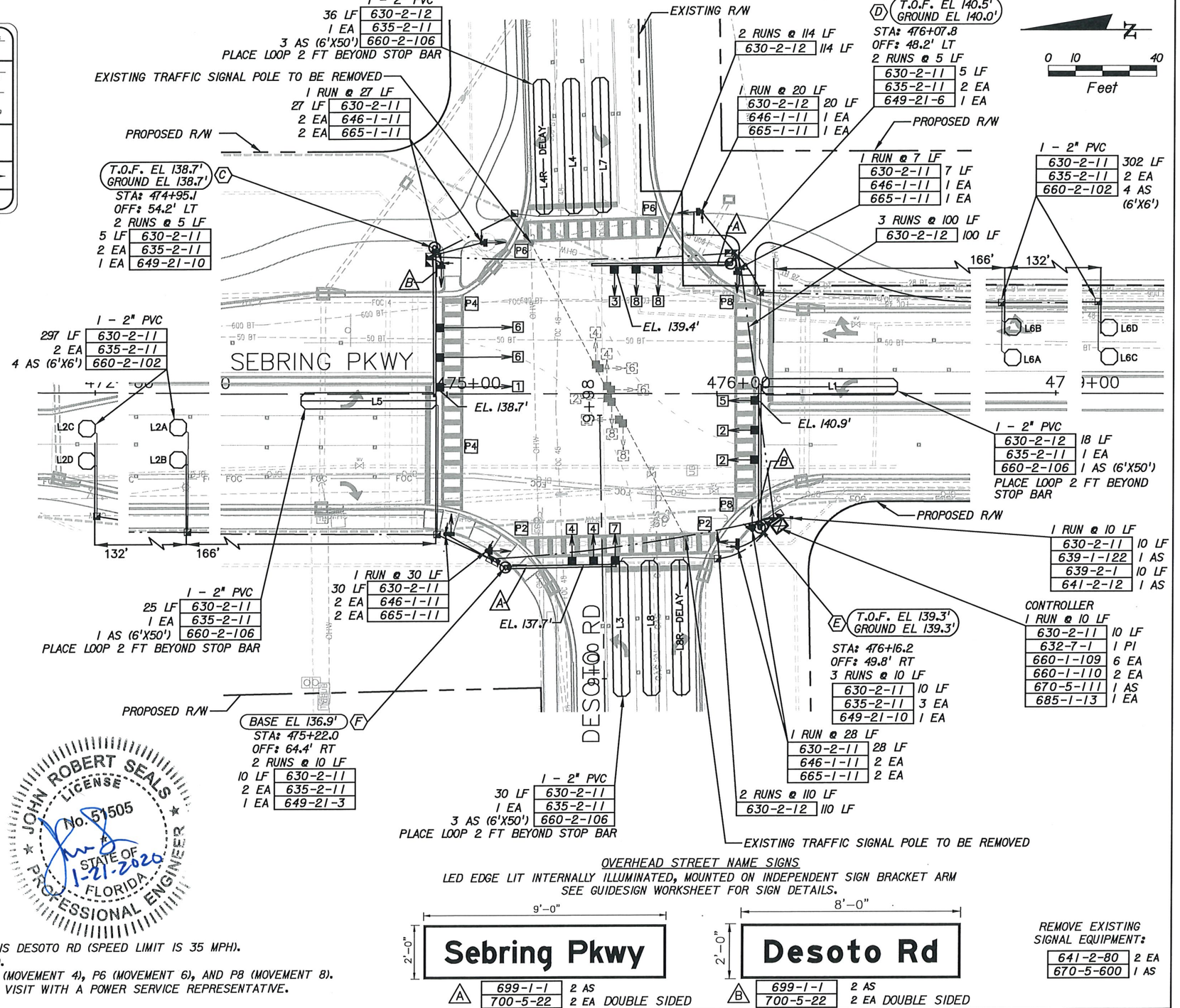


DETECTORS FOR LOOPS				
LOOP	NO. OF LOOPS	NO. OF DETS.	TIMING FUNCTION	SECONDS OF DELAY
L1, L5	2	1	1, 5	-
L2A, L2B	2	1	2	-
L2C, L2D	2	1	2	-
L6A, L6B	2	1	6	-
L6C, L6D	2	1	6	-
L3, L7	2	1	3, 7	-
L4, L4R	2	1	4	5
L8, L8R	2	1	8	5

2-CHANNEL RACK-MOUNTED
LOOP DETECTORS - ONE LOOP PER CHANNEL

CONTROLLER TIMING PLAN								
TIMING FUNCTION	1	2	3	4	5	6	7	8
MOVEMENT(S)	1	2	3	4	5	6	7	8
MINIMUM GREEN (INITIAL)	5	18	5	10	5	18	5	10
EXTENSION (PASSAGE)	2.5	2.0	2.5	2.5	2.5	2.0	2.5	2.5
MAXIMUM GREEN I *	-	-	-	-	-	-	-	-
MAXIMUM GREEN II *	-	-	-	-	-	-	-	-
YELLOW	3.8	3.7	4.0	4.1	3.7	3.8	4.1	4.0
ALL RED	2.0	2.5	2.0	2.0	2.0	2.3	2.0	2.0
PEDESTRIAN WALK	-	7	-	7	-	-	-	-
FLASH DON'T WALK	-	22	-	26	-	-	-	-
RECALL	-	MIN	-	-	-	MIN	-	-
DETECTOR FUNCTION	L	NL	L	L	L	NL	L	NL

* UTILIZE EXISTING CONTROLLER GREEN TIMES.



OVERHEAD STREET NAME SIGNS

LED EDGE LIT INTERNALLY ILLUMINATED, MOUNTED ON INDEPENDENT SIGN BRACKET ARM
SEE GUIDESIGN WORKSHEET FOR SIGN DETAILS.

A 699-1-1 2 AS
700-5-22 2 EA DOUBLE SIDED

B 699-1-1 2 AS
700-5-22 2 EA DOUBLE SIDED

REMOVE EXISTING SIGNAL EQUIPMENT:
641-2-80 2 EA
670-5-600 1 AS

NOTES :
1. MAJOR STREET IS SEBRING PARKWAY (SPEED LIMIT IS 45 MPH). MINOR STREET IS DESOTO RD (SPEED LIMIT IS 35 MPH).
2. FLASHING OPERATION: MOVEMENTS 2 AND 6 YELLOW. ALL OTHER MOVEMENTS RED.
3. SOP 9 (MODIFIED) WITH CONCURRENT PEDESTRIAN PHASES P2 (MOVEMENT 2), P4 (MOVEMENT 4), P6 (MOVEMENT 6), AND P8 (MOVEMENT 8).
4. POWER SERVICE POINT IS PRELIMINARY AND SHALL BE DETERMINED AFTER SITE VISIT WITH A POWER SERVICE REPRESENTATIVE.

JOHN ROBERT SEALS LICENSE No. 51505 STATE OF FLORIDA PROFESSIONAL ENGINEER 1-21-2020

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LICENSED PROFESSIONAL
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51505
DATE:

SEBRING PARKWAY
SIGNAL DESIGN SERVICES
SIGNALIZATION PLANS

SHEET NUMBER
T-5