

CHANGE ORDER TRANSMITTAL LIST

FINAL MILE BIKE FACILITIES

FM No. 446126-1-58-01

Contract G2722

11/17/2023-Jacki Hart, PE (RS&H)

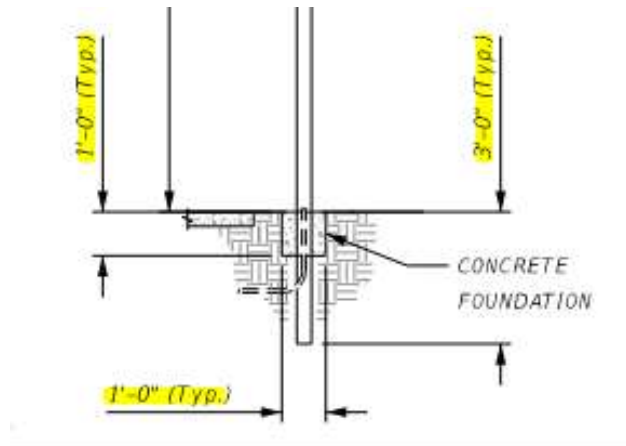
Senior Project Engineer

- 001 PA Statement
- 002 Entitlement Analysis/Final Disposition
- 003 Basis of Estimate
- 004 Premium Cost Analysis
- 005 Engineer's Estimate (spreadsheet with back up documentation)
- 006 Contractor's Price Quote (with back up documentation)
 - Contractor revised the quotes based on CEI review and discussions regarding submitted costs. Final Price Quote from 10-4-23 is final accepted quote with past quotes rejected and attached.
- 007 Backup
 - Original Plan Sheet
 - Revised Plan Sheet
 - Standard Plan Sheet 700-120
 - RFI for foundation clarification

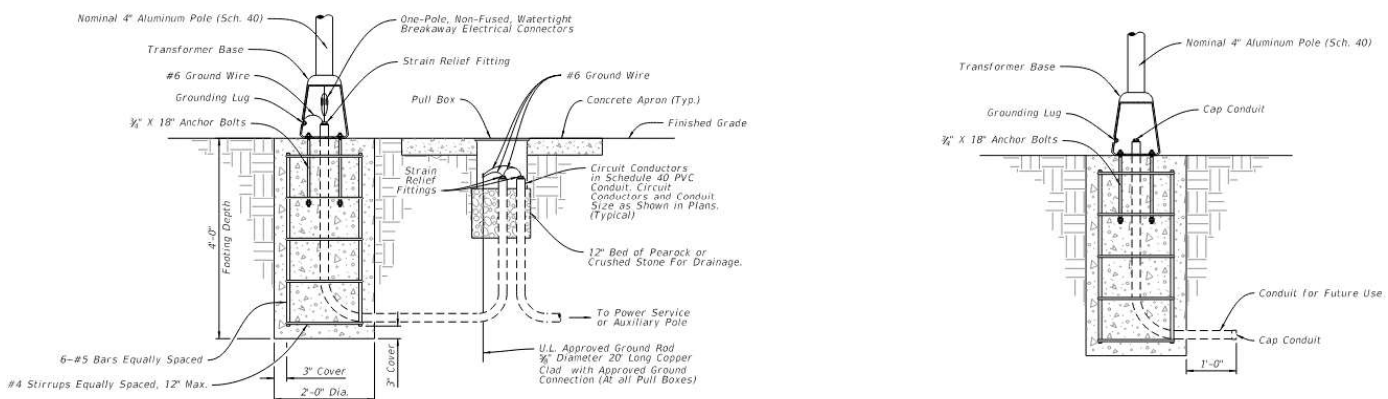
CEI STATEMENT FOR CHANGE ORDER:

FINAL MILE BIKE FACILITIES
FM No. 446126-1-58-01
Contract G2722

An RFI was sent to the contractor on 4/19/2023 requesting confirmation that the foundation detail in the plans was adequate for the wind loads in Monroe County for the 16 foot long, 4-inch diameter flagging station, pay item 700-12-21 TRANSIT STOP LIGHTING (FLAGGING DEVICE) F&IGROUND MOUNT SOLAR. The original Plan detail required a concrete foundation with a 1-foot by 1-foot non-reinforced concrete square as shown below.



The Engineer of Record response to the RFI was to issue a plan revision that required the foundation to follow the Standard Plans Index 700-120, resulting in the foundation below for the Flagging Station Pay item 700-12-21. See below. As a result, the contractor submitted a request for compensation for the additional concrete, steel reinforcement, transformer base, additional depth and width of drilling, and removal of additional spoils from the site due to increased depths and widths of the foundation. The new foundation requires additional drilling through hard limerock found here in the Keys versus simply drilling a 6-inch diameter hole and forming a 1x1 footing just below the ground surface.



Jacki Hart, PE
Senior Project Engineer-RS&H

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ENTITLEMENT ANALYSIS

FINAL MILE BIKE FACILITIES
FM No. 446126-1-58-01
Contract G2722
11/17/2023-Jacki Hart, PE (RS&H)
Senior Project Engineer

The engineer estimate for the work is between \$254,929.87 and \$289,961.47 depending on the estimate method applied. (unit rates or Statewide averages)

Based on the Engineers estimate and the revised cost proposal from Coral Construction, the contractors cost of \$5298.09 per location, or a **total change to the contract of \$227,817.88** is considered fair and reasonable to compensate the contractor for the additional work and materials to install the foundations according to the new plan revisions.

Based on the contractor's schedule, installation is anticipated at 1 AS/ workday. As a result, it is anticipated that with potential weather impacts, the installations will take 10 weeks to complete. Procurement is anticipated to be 6 weeks based on conversations with the flagging station manufacturer and the precast yard. In addition, procurement for the transformer bases for the breakaway foundation is anticipated to be up to 6 weeks. (6 weeks procurement plus 10 weeks installation = 16 weeks)

The contractor is entitled to an additional \$5298.09 per installed location which results in a total contract change of \$227,817.88 for the 43 locations. The contractor is entitled to **100% of \$227,817.88** for 43 locations to be installed. In addition, the **contractor is entitled to 16 weeks (112 days)** to allow for procurement and installation of the assemblies.

Jacki Hart, PE
Senior Project Engineer (RS&H)

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BASIS OF ESTIMATE

FINAL MILE BIKE FACILITIES
FM No. 446126-1-58-01
Contract G2722

11/17/2023-Jacki Hart, PE (RS&H)
Senior Project Engineer

The engineer's estimate was based on two separate methods.

1. **The Engineer used unit rates and an independent bid from a subcontractor to arrive at an estimate.**

This method of estimating resulted in an increase per location of \$5,928.60 and a total cost increase of \$254,929.87.

2. **The Engineer prepared a second estimate using the published information from the Statewide Item Average Unit Costs for pay item 700-12-21.**

This method of estimating resulted in an increase per location of \$6,743.29 and a total cost increase of \$289,961.47.

Jacki Hart, PE
Senior Project Engineer

Jacqueline Hart

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Hart
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PREMIUM COST ANALYSIS

FINAL MILE BIKE FACILITIES
FM No. 446126-1-58-01
Contract G2722
11/17/2023-Jacki Hart, PE (RS&H)
Senior Project Engineer

Based on the engineers estimate and the cost proposal from the Contractor, the additional work and costs are not considered premium. There are \$0 premium costs associated with this Change Order due to the reasons below:

- The additional cost of the contract pay item would not have been incurred if the work had been included in the original contract.
- The RFI response was made in a timely matter prior to installation of the Flagging Stations and as a result, rework was avoided. There are no associated costs for rework.
- Pay item 700-12-21: The cost change order results in a total new pay item unit rate of \$11,298.09 per AS. The *Statewide Average Unit Cost (04/01/2023 to 09/30/2023)* for this pay item is \$15,787.93 per AS. Based on this information, the new unit rate is within the range of an anticipated cost if it had been included in the original bid.

Jacki Hart, PE
Senior Project Engineer (RS&H)

Jacqueline Hart  Digitally signed by Jacqueline Hart
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CONTRACTOR INFORMATION

FIN#:	446126-1-58-01	Contract #:	G2722	Fed Proj. #:	TA49032102
Point of Contact (Name/Phone #):	Jacki Hart/ 954-775-6949				
Email Address:	jacki.hart@rsandh.com				
Estimate Prepared By:	Jacki Hart				
Company:	RS&H				

X Jacqueline Hart
Digitally signed by Jacqueline Hart
DN: CN=Jacqueline Hart,
c=US, o=RS&H, ou=Florida, email=jacki.hart@rsandh.com,
Date: 2023.11.17 09:49:13-05'00'
Option 1 Signature (NOT needed for Option 2)

CONTRACTOR		Coral Construction	
1) LABOR AND BURDEN			\$ -
2) MATERIALS AND SUPPLIES			\$ 37,459.00
3) EQUIPMENT			\$ -
4) INDIRECT COST, EXPENSES, AND PROFIT			\$ 18,979.87
			<u>\$ 56,438.87</u>
SUB-CONTRACTOR 1		DRILLING COMPANY- SELEVEL GEN. CONTR INDEPENDENT BID	
1) LABOR AND BURDEN			\$ -
2) MATERIALS AND SUPPLIES			\$ 168,928.51
3) EQUIPMENT			\$ -
4) INDIRECT COST, EXPENSES, AND PROFIT			\$ 29,562.49
			<u>\$ 198,491.00</u>
SUB-CONTRACTOR 2			
1) LABOR AND BURDEN			\$ -
2) MATERIALS AND SUPPLIES			\$ -
3) EQUIPMENT			\$ -
4) INDIRECT COST, EXPENSES, AND PROFIT			\$ -
			<u>\$ -</u>
SUB-CONTRACTOR 3			
1) LABOR AND BURDEN			\$ -
2) MATERIALS AND SUPPLIES			\$ -
3) EQUIPMENT			\$ -
4) INDIRECT COST, EXPENSES, AND PROFIT			\$ -
			<u>\$ -</u>
SUB-CONTRACTOR 4			
1) LABOR AND BURDEN			\$ -
2) MATERIALS AND SUPPLIES			\$ -
3) EQUIPMENT			\$ -
4) INDIRECT COST, EXPENSES, AND PROFIT			\$ -
			<u>\$ -</u>
SUB-CONTRACTOR 5			
1) LABOR AND BURDEN			\$ -
2) MATERIALS AND SUPPLIES			\$ -
3) EQUIPMENT			\$ -
4) INDIRECT COST, EXPENSES, AND PROFIT			\$ -
			<u>\$ -</u>
SUB-CONTRACTOR 6			
1) LABOR AND BURDEN			\$ -
2) MATERIALS AND SUPPLIES			\$ -
3) EQUIPMENT			\$ -
4) INDIRECT COST, EXPENSES, AND PROFIT			\$ -
			<u>\$ -</u>
SUB-CONTRACTOR 7			
1) LABOR AND BURDEN			\$ -
2) MATERIALS AND SUPPLIES			\$ -
3) EQUIPMENT			\$ -

CONTRACTOR INFORMATION

FIN#: 446126-1-58-01 Contract #: G2722 Fed Proj. #: TA49032102
Point of Contact (Name/Phone #): Jacki Hart/ 954-775-6949
Email Address: jacki.hart@rsandh.com
Estimate Prepared By: Jacki Hart
Company: RS&H

4) INDIRECT COST, EXPENSES, AND PROFIT \$ -
\$ -

SUB-CONTRACTOR 8

1) LABOR AND BURDEN \$ -
2) MATERIALS AND SUPPLIES \$ -
3) EQUIPMENT \$ -
4) INDIRECT COST, EXPENSES, AND PROFIT \$ -
\$ -

SUB-CONTRACTOR 9

1) LABOR AND BURDEN \$ -
2) MATERIALS AND SUPPLIES \$ -
3) EQUIPMENT \$ -
4) INDIRECT COST, EXPENSES, AND PROFIT \$ -
\$ -

SUB-CONTRACTOR 10

1) LABOR AND BURDEN \$ -
2) MATERIALS AND SUPPLIES \$ -
3) EQUIPMENT \$ -
4) INDIRECT COST, EXPENSES, AND PROFIT \$ -
\$ -

TOTAL COST OF INCREASE, DECREASE OR ALTERATION IN THE WORK \$ 254,929.87
Results in a cost increase of \$5,928.60/location. There are 43 locations.

CONTRACTOR: Coral Construction

1) LABOR AND BURDEN

LABOR	TIME	UNIT	RATE	BURDEN (%)	LABOR plus BURDEN SUB-TOTAL
					\$ -
					\$ -
Row Control					

TOTAL LABOR AND BURDEN \$ -

2) MATERIALS AND SUPPLIES

MATERIAL	QTY.	UNIT	RATE	SUB-TOTAL
Additional sand	12.000	TONS	\$ 65.00	\$ 780.00
Precast Base	43.000	EACH	\$ 538.00	\$ 23,134.00
Transformer base	43.000	EACH	\$ 615.00	\$ 26,445.00
Credit for concrete for 1x1 base	-43.000	LOCATION	\$ 300.00	\$ (12,900.00)
Row Control				

TOTAL MATERIALS AND SUPPLIES \$ 37,459.00

3) EQUIPMENT

EQUIPMENT	OPERATING		STAND-BY / IDLE		SUB-TOTAL
	FHWA Rate w/ Adjustments	HRS	Standby Rate	HRS	
NO ADDITIONAL EQUIPMENT					\$ -
SEE SUBCONTRACTOR WORK					\$ -
Row Control					

CONTRACTOR INFORMATION

FIN#:	446126-1-58-01	Contract #:	G2722	Fed Proj. #:	TA49032102
Point of Contact (Name/Phone #):	Jacki Hart/ 954-775-6949				
Email Address:	jacki.hart@rsandh.com				
Estimate Prepared By:	Jacki Hart				
Company:	RS&H				

TOTAL EQUIPMENT \$ -

4) INDIRECT COST, EXPENSES, AND PROFIT (1) or (2), whichever is greater:

a)	17.5% of the sum of (1), (2), & (3) above:		\$	6,555.33
	1. BOND: For any additional bond for the additional or unforeseen work, the Contractor shall		\$	-
	2. SUBCONTRACTOR MARKUP:			
	Subcontractor Cost for Extra Work:	\$	198,491.00	
	First \$50,000 10%	\$	50,000.00	\$ 5,000.00
	Over \$50,000 5%	\$	148,491.00	\$ 7,424.55
				<u>\$ 18,979.87</u>
b)	Average overhead per day = Ds:			
	As = Original Contract Amount minus Original Subcontract Amount(s)*	\$	947,268.00	
	B = Original Contract Time			180
	C = 8%			
	Ds = $\frac{As \times C}{B}$	\$	421.01	
	Calendar days of entitlement that are in excess of the first 10 cumulative			<u>0</u>
		\$		-
		TOTAL INDIRECT COST, EXPENSES, AND PROFIT \$		18,979.87

* Deduct Original Subcontract Amount(s) of subcontractor(s) performing the work.
NOTE: If there is no subcontracted work, use the Original Contract Amount.

SUBCONTRACTOR #1 INFORMATION

FIN#: 446126-1-58-01 Contract #: G2722 Fed Proj. #: TA49032102
Point of Contact (Name/Phone #): Jacki Hart/ 954-775-6949
Email Address: jacki.hart@rsandh.com
Estimate Prepared By: Jacki Hart
Company: RS&H

SUB-CONTRACTOR: DRILLING COMPANY- SELEVEL GEN. CONTR INDEPENDENT BID

1) LABOR AND BURDEN

LABOR	TIME	UNIT	RATE	BURDEN (%)	LABOR plus BURDEN SUB-TOTAL
					\$ -
					\$ -
Row Control					

TOTAL LABOR AND BURDEN \$ -

2) MATERIALS AND SUPPLIES

MATERIAL	QTY.	UNIT	RATE	SUB-TOTAL
DRILL 30" DIA. X 4' DEPTH	43.000	LOC	\$ 3,928.57	\$ 168,928.51
				\$ -
Row Control				

TOTAL MATERIALS AND SUPPLIES \$ 168,928.51

3) EQUIPMENT

EQUIPMENT	OPERATING		STAND-BY / IDLE		SUB-TOTAL
	FHWA Rate w/ Adjustments	HRS	Standby Rate	HRS	
					\$ -
					\$ -
Row Control					

TOTAL EQUIPMENT \$ -

4) INDIRECT COST, EXPENSES, AND PROFIT

a) 17.5% of the sum of a), b), & c) above: \$ 29,562.49
1. BOND: For any additional bond for the additional or

TOTAL INDIRECT COST, EXPENSES, AND PROFIT \$ 29,562.49

TOTAL SUBCONTRACTOR COST: \$ 198,491.00

BACKUP FOR ENGINEERS ESTIMATE

INDEPENDANT COST FOR DRILLING

SAND CALCULATIONS FOR
ADDITIONAL BACKFILL

TRANSFORMER COST FROM INTERNET

ITEM AVERAGE UNIT COSTS FROM
STATEWIDE AND AREA 13

INDEPENDANT COST
ESTIMATE FOR
DRILLING

Selevel General Contracting LLC

5409 Overseas Hwy PMB 282
Marathon, FL 33050
786-647-8954
build@selevel.com



Estimate

ADDRESS	SHIP TO	ESTIMATE	3100
Dean Richardson	Dean Richardson	DATE	10/04/2023
RS&H	RS&H		
10748 Deerwood Park Blvd. South	10748 Deerwood Park Blvd. South		
Jacksonville, FL 32256	Jacksonville, FL 32256		

PROJECT	PROJECT SITE
Bus Stop Light Pedestals	Various

DESCRIPTION	QTY	RATE	AMOUNT
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Jobsite Address:
42 locations between Key West and Marathon.

Estimate is based on location map by KCI Technologies and additional information provided by RS&H.

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SCOPE OF WORK:

Drill 30" diameter auger holes at various locations and install pre-cast concrete pole bases as detailed below.

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WORK SUMMARY:

Services	Drill (42) 30" diameter, 4' deep auger holes at various locations, and set pre-cast concrete pole bases (provided by others) to elevation and orientation (provided by others prior to mobilization). Concrete pole base to be backfilled and bedded with sand, flooded in w/ water in lifts.	1	165,000. 00	165,000.00
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Auger holes will be drilled, and concrete bases set simultaneously in single phase of installation.

Site specific base locations to be verified and approved by Dean Richardson prior to drilling each site.

Any roadway and pedestrian MOT required shall be provided by others, and coordinated with Dean Richardson.

Reasonable attempts will be made to protect areas around auger locations, and cleanup after drilling.

Selevel will remove and haul out all auger spoils from all sites drilled.

~

If unstable overburden is encountered, auger pile(s) will be stabilized in place at additional cost as detailed below.

~

INCLUDED:

- One (1) mobilization
- Installation of (42) auger holes and pole bases as detailed above including all labor, material, and equipment.
- Removal of auger spoils.
- General liability & workers comp insurance

EXCLUDED:

- Pre-cast concrete pole bases to be provided by others (along with elevation and bolt pattern orientation requirements)
- Surveying costs, engineering or architect fees, permit or inspection fees.
- Bonding; Not included, but can be secured at direction of client for additional cost.
- Protection, repair, or replacement of adjacent structures and work site including but not limited to buildings, equipment, vehicles, trees, shrubs, lawns, fences, streets, and driveways where equipment will be working or driving through.
- Location, protection, removal, or replacement of underground obstructions including but not limited to utilities, existing building foundation or remnants, irrigation, etc.; to be provided by client.
- Firm, level access to and throughout site for equipment and concrete trucks; to be provided by client.
- Any fill dirt/stone/rock, grading, or sod.
- Job site security, fencing, barricades, or silt fencing.
- Auger/pole base tolerance for any auger/pole base deviation on sites with the following conditions; previous existing structures, existing piles, fractured/dynamited rock, non-organic material found during pile installation,
- Removal/remediation of any previous existing structure, foundation, cess pit, or other non-organic material discovered during auger pile installation that prevents standard installation of auger pile in specified location per plans will default to T&M rates as outlined below or shall be the responsibility of the client to remove/resolve.

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CHANGES IN BASE BID:

Services	Additional auger pile depth past base bid (per foot) TBD	0	0.00	0.00
Services	Stabilize 30" auger shaft w/ portland, due to unstable overburden (per stabilized foot) TBD *Auger pile will be stabilized in place due to unstable overburden. A 30" diameter auger will drill down to, and a few inches into solid rock. Then portland cement and the auger spoils are mixed back into the hole to create a homogeneous mixed in place concrete plug. Once set up, typically a day or two, the concrete plug is drilled out with the 18" auger, continuing into solid rock to desired embedment. This process leaves a wall/casing around the new auger shaft to stabilize the soil and keep the hole clean until concrete is placed.*	0	0.00	0.00
Services	Standby time and T&M rates will be invoiced as follows:	0	0.00	0.00

Drill rig and operator \$350/hr per truck
 CAT 306 w/ auger drive and operator \$300/hr
 Total Station work \$170/hr
 All other labor \$95/mh
 Materials and Subcontractor expenses shall be Cost +21%

Services	Night shift, weekend shift rates, or other equipment rates: TBD	0	0.00
Services	Additional Mobilization (ea) (1 mobilization included in base bid)	0	2,500.00

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PAYMENT TERMS:

Invoice shall be sent upon project completion, due within 30 days.

Final Payment including any retainage is due within 30 days of job completion.

NOTE: Estimate is based on single phase of foundation installation only. Alternative project phasing/scheduling affecting installation may also effect pricing.

NOTE: Unforeseen Conditions; This estimate only reflects the spots and *footage listed. Any other items not listed are unforeseen extras and not included in price. Extras shall be agreed upon in writing prior to commencement.

SUBTOTAL	165,000.00
TAX	0.00
<hr/>	
TOTAL	\$165,000.00

Accepted By

Accepted Date

ENGINEER'S NOTES:
CONTRACTOR ESTIMATED 42 LOCATIONS
 $\$165,000/42 = \$3,928.57/\text{LOCATION FOR DRILLING}$
NEW FOUNDATION SIZES

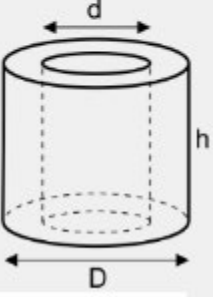
**SAND CALCULATIONS
FOR ADDITIONAL
BACKFILL**

New design with 24" diameter precast and 30" hole.

Hollow cylinder

Height	4 ft ▾
Diameter external	30 in ▾
Diameter internal	24 in ▾

$V = \pi \cdot h \cdot (D^2 - d^2) / 4$



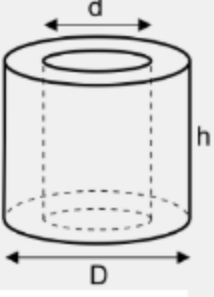
Volume 0.26 cu.yd ▾

Original design with 2 feet deep UNDER a 1x1 foundation.

Hollow cylinder

Height	2 ft ▾
Diameter external	12 in ▾
Diameter internal	4 in ▾

$V = \pi \cdot h \cdot (D^2 - d^2) / 4$



Volume 0.05 cu.yd ▾

.26-.05 = .21 additional CY/hole .21 x 43 =9.03 Cy sand = 243.8 CF:

Sand 101 lb./CF x 243.8 = 12 tons sand. **\$65/ton = \$768**

TRANSFORMER BASE COST FROM WEBSITE



Square Aluminum Breakaway Transformer Base

\$615.00

SKU: 201-00017

Share Product: [f](#) [t](#) [in](#)

[Write a Review](#)

Model size: **Required**

10" - 12"

Quantity:

1

[ADD TO CART](#)

[Add To Saved Product List](#)

ENGINEER'S COST ESTIMATE USING STATEWIDE AVERAGES

FIN#:	446126-1-58-01	Contract #:	G2722	Fed Proj. #:	TA49032102
Point of Contact (Name/Phone #):	Jacki Hart/ 954-775-6949				
Email Address:	jacki.hart@rsandh.com				
Estimate Prepared By:	Jacki Hart				
Company:	RS&H				

X Jacqueline Hart Digitally signed by Jacqueline Hart
DN: CN=Jacqueline Hart,
dnQualifier=A01410C0000017BC08575B100009880,
O=Florida, C=US
Date: 2023.11.17 09:50:39-0500'

Option 2 Signature (NOT needed for Option 1)

Prime Contractor: Coral Construction

a) Estimate based on Statewide Average

Pay Item	Description	UNIT	Statewide Average	Quantity	Estimated Cost
700-12-21 average	Sign , Solar, F&I, Ground Mt, Sign <12/sf	EA	\$ 12,743.29	43.000	\$ 547,961.47
700-12-21 credit for original bid	Solar Flagging Station w/ battery	EA	\$ 6,000.00	(43.000)	\$ (258,000.00)
				Row Control	

Results in a cost increase of \$6,743.29/location.
There are 43 locations

TOTAL CONTRACTOR COST: \$ 289,961.47

Comments:

Pay item used for estimate are from State wide averages (\$15,223.55) and Miami Dade Averages (\$10,263.07) for the same pay item 700-12-21. Using the AVERAGE of these values (\$15,223.55 + \$10,263.07) / 2= \$12,743.31. The pay item from the plans has a sign, solar panel, battery box, light, and pedestrian actuator button on a 4-inch diameter, 16' aluminum pole.

ITEM AVERAGE UNIT COSTS
FROM STATEWIDE AND
AREA 13 MIAMI/DADE



Florida Department of Transportation
 Item Average Unit Cost
 From 2023/04/01 to 2023/09/30
 Statewide

Contract Type: CC
 Displaying: ITEMS WITH HITS
 From: 0102 1 To: 9999999

Item	No. of Conts	Weighted Average	Total Amount	Total Quantity	Unit Meas	Obs?	Description
0700 11231	1	\$15,787.93	\$15,787.93	1.000	AS	Y	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- SOLAR POWER, SPEED FEEDBACK, UP TO 12 SF
0700 11232	4	\$16,483.33	\$296,700.00	18.000	AS	Y	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- SOLAR POWER, SPEED FEEDBACK, 12-20 SF
0700 11262	2	\$18,134.23	\$163,208.10	9.000	EA	Y	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- SOLAR POWERED, SPEED FEEDBACK W/FLASHING BEACON, 12-20 SF
0700 11321	1	\$6,189.30	\$6,189.30	1.000	AS	Y	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL OVERHEAD MOUNT- AC POWERED, REGULATORY SIGN, UP TO 12 SF
0700 11391	12	\$7,639.41	\$252,100.44	33.000	AS	Y	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL OVERHEAD MOUNT- AC POWERED, BLANK OUT SIGN, UP TO 12 SF
0700 11700	3	\$441.63	\$2,649.76	6.000	AS	Y	ELECTRONIC DISPLAY SIGN, REMOVE- OVERHEAD MOUNT
0700 12 11	1	\$9,500.00	\$19,000.00	2.000	AS	Y	SIGN BEACON, F&I GROUND MOUNT- AC POWERED, ONE BEACON
0700 12 12	4	\$7,441.28	\$119,060.46	16.000	AS	Y	SIGN BEACON, F&I GROUND MOUNT- AC POWERED, TWO BEACONS
0700 12 21	11	\$10,263.07	\$328,418.09	32.000	AS	Y	SIGN BEACON, F&I GROUND MOUNT- SOLAR POWERED, ONE BEACON
0700 12 22	5	\$13,024.22	\$169,314.84	13.000	AS	Y	SIGN BEACON, F&I GROUND MOUNT- SOLAR POWERED, TWO BEACONS
0700 12 31	3	\$7,298.00	\$72,980.00	10.000	AS	Y	SIGN BEACON, F&I OVERHEAD MOUNT, ONE BEACON
0700 12 32	1	\$2,911.21	\$2,911.21	1.000	AS	Y	SIGN BEACON, F&I OVERHEAD MOUNT, TWO BEACONS
0700 13 12	14	\$109.13	\$26,844.94	246.000	EA	N	RETROREFLECTIVE SIGN STRIP- FURNISH AND INSTALL, 2'
0700 13 15	47	\$99.96	\$257,805.42	2,579.000	EA	N	RETROREFLECTIVE SIGN STRIP- FURNISH AND INSTALL, 5'
0700 15 1	1	\$510.00	\$5,100.00	10.000	AS	Y	IN-STREET SIGN, FURNISH AND INSTALL- FIXED BASE CONNECTION



Florida Department of Transportation
 Item Average Unit Cost
 From 2022/10/01 to 2023/09/30
 Statewide

Market Area: 13
 Contract Type: CC
 Displaying: ITEMS WITH HITS
 From: 0102 1 To: 9999999

Item	No. of Conts	Weighted Average	Total Amount	Total Quantity	Unit Meas	Obs?	Description
0700 11391	1	\$7,728.00	\$7,728.00	1.000	AS	Y	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL OVERHEAD MOUNT- AC POWERED, BLANK OUT SIGN, UP TO 12 SF
0700 12 21	1	\$15,223.55	\$60,894.20	4.000	AS	Y	SIGN BEACON, F&I GROUND MOUNT- SOLAR POWERED, ONE BEACON
0700 12 31	1	\$7,144.80	\$7,144.80	1.000	AS	Y	SIGN BEACON, F&I OVERHEAD MOUNT, ONE BEACON
0700 13 12	2	\$202.74	\$10,542.39	52.000	EA	N	RETROREFLECTIVE SIGN STRIP- FURNISH AND INSTALL, 2'
0700 13 15	3	\$276.32	\$22,105.58	80.000	EA	N	RETROREFLECTIVE SIGN STRIP- FURNISH AND INSTALL, 5'
0700 25 9	1	\$146,050.00	\$146,050.00	1.000	EA	N	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER 21'-30', W/FOUNDATION AND 7'2" TRANSITION COLUMN, PROJECT 428358-4-52-01
0700 25 10	1	\$221,950.00	\$221,950.00	1.000	EA	N	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER 41'-50', W/FOUNDATION AND 25' TRANSITION COLUMN, PROJECT 428358-4-52-01
0700 25 13	1	\$450,800.00	\$2,254,000.00	5.000	EA	N	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 101'-150', W/FOUNDATIONS AND 20.5' TRANSITION COLUMN
0700 25 14	1	\$182,850.00	\$548,550.00	3.000	EA	N	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER 54', SPECIAL DESIGN
0700 25 15	1	\$261,050.00	\$261,050.00	1.000	EA	N	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 33.5', W/FOUNDATION AND 24'-9.5" TRANSITION COLUMN
0700 25 16	1	\$350,750.00	\$701,500.00	2.000	EA	N	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 51'-100', W/FOUNDATIONS AND 9'-10.3" TRANSITION COLUMN

ACCEPTED COST ESTIMATE FROM REVISED PROPOSAL DATED 10-4-23

**REVISED COST PROPOSAL ACCEPTED FROM CORAL CONSTRUCTION.
 TOTAL COST: \$227,817.88
 43 LOCATIONS AT A COST OF \$5298.09/LOCATION**



Mailing Address: PO Box 500582, Marathon, FL 33050
 Physical Address: 347 Aviation Blvd., Marathon, FL 33050
 Phone: 305-394-0747

October 4, 2023

Project: Final Mile Bike Parking Facilities
 Contract: G272
 Financial Project ID: 446126-1-58-01

RE: Changer Order 1 – Transit Light Foundation Change

Change Order Description:

Transit Light Foundations changed from original plans to Standard Index Plans 700-120. Costs include changed concrete foundation, transformer base, and additional work required to complete new foundation. Costs do not include additional concrete sidewalk for ADA compliance.

	<u>Cost with Bases</u>	<u>Original Cost</u>	<u>Total Addtl Cost</u>	<u>O/H & P</u>	<u>Total Cost</u>
Transformer Base & Concrete Foundation:	\$ 181,488.00	\$ (115,569.00)	\$ 65,919.00	10%	\$ 72,510.90
	<u>Units</u>	<u>Cost Per Unit</u>	<u>Cost</u>	<u>O/H & P</u>	<u>Total Cost</u>
Auger Holes (Pinder):	43	\$ 3,000.00	\$ 129,000.00	10%	\$ 141,900.00
Sand	43	\$ 65.00	\$ 2,795.00	10%	\$ 3,074.50
Coral Construction Labor			\$ 8,793.60	17.5%	\$ 10,332.48

Change Order Total: \$ 227,817.88

~~Additional Time: 25 weeks~~

**TIME ALLOWED WILL BE 16 WEEKS
 TO ALLOW FOR PROCUREMENT OF
 BASES AND INSTALLATIONS.**

**Time based on Installation of 1AS/workday
 for 43 locations plus approximately 6 weeks procurement. J. Hart**

Chelsea Lyons President

Project: Final Mile Bike Parking Facilities
Contract: G272
Financial Project ID: 446126-1-58-01

Change Order 1 - Transit Light Foundation Change

Coral Construction Labor Breakdown

Labor for transporting water tanks and fill to locations, shoveling augered dirt and rocks from holes and disposing of it, backfilling with flowable fill, leveling concrete bases and installing transformer base to concrete foundation.

Labor

<u>Days</u>	<u>Laborer</u>	<u>Labor rate</u>	<u>Insurance</u>	<u>Labor total</u>	<u>Hours</u>	<u>Total</u>
10	Laborer	75	28%	\$ 96.00	6	\$ 5,760.00
10	Laborer	22.5	28%	\$ 28.80	6	\$ 1,728.00
10	Laborer	17	28%	\$ 21.76	6	\$ 1,305.60

Labor Total \$ 8,793.60

REVISED PROPOSAL DATED 9-7-23 REJECTED
AFTER DISCUSSIONS WITH CONTRACTOR

Engineering Analysis of PAY ITEM additional cost:

It appears coral construction has added compensable time for a change in work. There is no justification for this. The change in work must be compared to the work in the original pay item; that is it. I am having issues understanding why there are 22 additional 6-hour days for a 3- man crew when Coral is now using a sub to drill and install all foundations. This use of precast should be a time savings, not an increase. Only procurement time may increase, and this is at no cost. The contractor does not get paid additional time for crews during procurement.

Coral Construction indicated they are going to hire a sub for all foundation installation work. The price is high but can be justified since they are much larger auger holes, and the sub will need to lift the precast base into the hole and level the base. This all appears to be in his contract provided.

With that said, the \$141,900 for the NEW sub; the \$3,074.5 for the sand; and the change in cost from the manufacturer \$65,919 appear to be the true additional cost:

\$210,893.5 which is \$4904.50 per location INCREASE.

There is no justification for **additional** cost for Coral construction or McMillen between the original pay item and the revised foundation pay item, especially since this work is now to be done by a subcontractor. Any additional time for McMillen or the Coral laborers is offset by the sub doing the foundation work and the time savings for the lack of concrete forming, delivery of FDOT approved concrete, and placing at the site. The original bid included the labor and time for McMillen and Coral to do the entire installation of the poles with a 1x1 structural foundation. Now they are using a sub and as a result, there is no justification for the additional 22 labor days for the crew. They don't get paid more to stand around and watch as the sub installs foundations and the time on site for this crew is already considered in the original pay item as they were the staff installing the flagging stations originally.

1. Coral Construction is going to hire a new sub for drilling the holes. Originally, no sub was proposed to drill the 3' deep, 12" diameter holes. The new Sub scope is to drill hole **and install** base. This would reduce the hours for coral construction crew for this pay item scope.
2. **McMillen and Sons and Coral Construction man hours for pole installation is part of the original scope.** The PRECAST base does not add 9.4 additional man hours per location especially since the NEW SUB is doing all the drilling and installation of the base: 22 days @ 6 hours/3 persons = 22days x 6hr/day x 3 persons = 396 additional man hours total 369/42 locations = 9.4 additional hours per location.

There is no added work for the labor force, especially since the precast base is being installed by the SUB. There is a labor savings since they do not have to form and pour a 1' x 1' foundation and they are no longer auguring the original 1' diameter hole.

3. **Concrete foundations are to be structural concrete.** Also, per section 700 (as on the pay item), it references 346/structural concrete. Structural concrete must come from a FDOT approved plant per the original plans. This would require that laborers on site are there to receive the concrete and place it in the form at each site per the original plans. These hours saved by using precast are offset by the additional **time** to place sand backfill at each location in a larger hole.



Mailing Address: PO Box 500582, Marathon, FL 33050
 Physical Address: 347 Aviation Blvd., Marathon, FL 33050
 Phone: 305-394-0747

September 6, 2023

Project: Final Mile Bike Parking Facilities
 Contract: G272
 Financial Project ID: 446126-1-58-01

RE: Changer Order 1 – Transit Light Foundation Change

Change Order Description:

Transit Light Foundations changed from original plans to Standard Index Plans 700-120. Costs include changed concrete foundation, transformer base, and additional work required to complete new foundation. Costs do not include additional concrete sidewalk for ADA compliance.

	<u>Cost with Bases</u>	<u>Original Cost</u>	<u>Total Addtl Cost</u>	<u>O/H & P</u>	<u>Total Cost</u>
Transformer Base & Concrete Foundation:	\$ 181,488.00	\$ (115,569.00)	\$ 65,919.00	10%	\$ 72,510.90

	<u>Units</u>	<u>Cost Per Unit</u>	<u>Cost</u>	<u>O/H & P</u>	<u>Total Cost</u>
Auger Holes (Pinder): <i>NEW SUB</i>	43	\$ 3,000.00	\$ 129,000.00	10%	\$ 141,900.00
Sand	43	\$ 65.00	\$ 2,795.00	10%	\$ 3,074.50
McMillen & Sons:			\$ 30,000.00	10%	\$ 33,000.00
Coral Construction Labor			\$ 19,345.92	17.5%	\$ 22,731.46
Credit for Original Plans	43	\$ (600.00)	\$ (25,800.00)		\$ (25,800.00)

WHY?

Change Order Total: \$ 247,416.86

Additional Time: 20 weeks

Chelsea Lyons
 Chelsea Lyons President

Project: Final Mile Bike Parking Facilities
 Contract: G272
 Financial Project ID: 446126-1-58-01

This is needed for original scope.

Change Order 1 - Transit Light Foundation Change

Coral Construction Labor Breakdown

Labor for transporting water tanks and fill to locations, shoveling augered dirt and rocks from holes and disposing of it, backfilling with flowable fill, leveling concrete bases and installing transformer base to concrete foundation.

? SAND sub

Labor

Days	Laborer	Labor rate	Insurance	Labor total	Hours	Total
22	Foreman	75	28%	\$ 96.00	6	\$ 12,672.00
22	Laborer	22.5	28%	\$ 28.80	6	\$ 3,801.60
22	Laborer	17	28%	\$ 21.76	6	\$ 2,872.32

Labor Total \$ 19,345.92

How does this ADD 22 DAYS for an entire crew?

- ① You are hiring a sub. to drill holes.
- ② Hole would need to be drilled for original design to put pole 3' in ground.

Issue is Larger auger so some \$ increase

- ③ Precast saves time on site for forming + placing a 1'x1' concrete foundation (structural class 3)
- ④ Original bid has your staff for this scope.

The install at each location does not increase by 6 HRS per location.

Pinders Drilling Service Inc.
PO Box 586
Tavernier, FL 33070
305-522-1871
ENGI210B
SP859

September 1, 2023

Bid for auger holes and set light pole base (Marathon to Key West)

Auger holes to be 30" diameter, 4'6" deep from grade and set light pole base, price is \$3,000 each. All auger points to be free and clear of obstacles and on level ground.

Pinders Drilling Service, Inc. is not responsible for locates or damages to any underground utilities. All locates to be done by others. Price does not include base, base to be supplied and back filled by others.

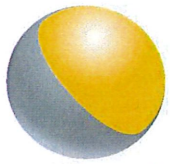
Payment schedule to be determined.

Any questions, please do not hesitate to call 305-522-1871

Thank you,



Henry Pinder



lightworks
Smart Technologies. Bright Solutions.

Original Cost

Lightworks, Inc.
P.O. Box 557949
Miami, FL 33255
Miami: (305) 456-3520
WPB: (561) 641-5570
Fax: (305) 676-8984

To: Coral Construction Company CHELSEA LYONS PO Box 500582 Marathon, FL 33050 PH: (305) 394-0747	Job/Project Name: TRANSIT STOP - SOLAR LIGHTING
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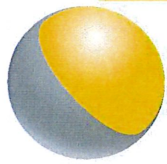
Remarks: PLEASE INCLUDE A COPY OF THIS QUOTE WITH YOUR ORDER

Qty	Mfg	Description	Unit Price	Extd.Price
43	SEPC	SEPCO-SEPA75PT-SPC-RWL10-ALC11/RAS/INT-PZ1	\$2,633.00	\$113,219.00
	SEPC	SOLAR ELECTRIC POWER ASSEMBLY 75 WATT WITH POST TOP ARRAY		
	SEPC	82 AMP HOUR BATTERY ASSEMBLY- POWDER COATED		
	SEPC	RATIO WALL LIGHTER FIXTURE 10 WATT LED		
	SEPC	ADAPTIVE LIGHTING CONTROL: DUSK TO DAWN OPERATION		
	SEPC	REMOTE ACTUATED SWITCH		
	SEPC	INTERVAL TIMER AND SWITCH		
	SEPC	16' OVERALL DIRECT BURIAL ALUMINUM POLE POWDER COATED		
1	DMPE	SIGNED AND SEALED WINDLOAD CALCS	\$850.00	\$850.00
1	FRGT	ESTIMATED FREIGHT	\$1,500.00	\$1,500.00
NOTES:				
1.) FREIGHT IS INCLUDED FOR ABOVE QUANTITIES.				
2.) DEPOSIT OR PREPAYMENT MAY BE REQUIRED FOR NEW ACCOUNTS.				
3.) SALES TAX IS NOT INCLUDED.				
4.) QUOTE IS VALID FOR 30 DAYS.				
5.) SIGNED, APPROVED SUBMITTALS WILL BE REQUIRED TO RELEASE ORDER.				
TOTAL:				\$115,569.00

Lead Time: 10-12 WEEKS

--PLEASE INCLUDE THIS QUOTE WITH YOUR PURCHASE ORDER--

- 1.) Quoting Manufacturers' standard color. Other colors are available and may incur an additional charge.
- 2.) Unloading of the material is not included. Special trucks with lift gates may be requested for an additional charge.
- 3.) State and Federal Taxes are not included.
- 4.) Quote is FOB Factory and only valid for 30 days.
- 5.) Quote is subject to Manufacturer's published terms and conditions of sale.
- 6.) Release for shipment must take effect within 90 days of Purchase Order.
- 7.) Quote Pricing based on single shipment. Partial Shipments may incur an additional charge.
- 8.) Pre-Shipment of anchor bolts, templates, hardware and accessories may incur an additional charge.
- 9.) Cancellation of Released Purchase Order may incur cancellation fees.
- 10.) Changes in quantities may void this quotation.
- 11.) Signed, approved submittals may be required. Please allow up to 3 weeks for submittals.
- 12.) Pull Boxes are not included.
- 13.) Installation is not included.
- 14.) Pole Cable Distribution Systems are not included.
- 15.) Contractor is responsible to verify voltage required.



lightworks
Smart Technologies. Bright Solutions.

Cost With Bases

Lightworks, Inc.
P.O. Box 557949
Miami, FL 33255
Miami: (305) 456-3520
WPB: (561) 641-5570
Fax: (305) 676-8984

To: CORAL CONSTRUCTION COMPANY CHELSEA LYONS PO Box 500582 MARATHON, FL 33050 PH: 305-394-0747	Job/Project Name: TRANSIT STOP - SOLAR LIGHTING
---	--

Remarks: PLEASE INCLUDE A COPY OF THIS QUOTE WITH YOUR ORDER

Qty	Mfg	Description	Unit Price	Extd.Price
		**8/7/2023 - REVISED QUOTE TO INCLUDE PRE-SHIPMENT OF ANCHOR BOLTS		
43	SEPC	SEPCO-SEPA75PT-SPC-RWL10-ALC11/RAS/INT	\$3,628.00	\$156,004.00
	SEPC	- SOLAR ELECTRIC POWER ASSEMBLY 75 WATT WITH POST TOP ARRAY		
	SEPC	- 82 AMP HOUR BATTERY ASSEMBLY- POWDER COATED		
	SEPC	- RATIO WALL LIGHTER FIXTURE 10 WATT LED		
	SEPC	- ADAPTIVE LIGHTING CONTROL: DUSK TO DAWN OPERATION		
	SEPC	- REMOTE ACTUATED SWITCH		
	SEPC	- INTERVAL TIMER AND SWITCH		
	SEPC	- LIGHT FIXTURE FINISH TO BE PLATINUM SILVER POWDER COAT		
	SEPC	- POLE PZ7 - 12' X 4" ALUMINUM POLE WITH FDOT BREAKAWAY ALUMINUM BASE		
	SEPC	- POLE AND T-BASE FINISH TO BE NATURAL BRUSHED ALUMINUM		
	SEPC	- T-BASE IS ON THE FDOT APL LIST:		
	SEPC	HTTPS://FDOTWP1.DOT.STATE.FL.US/ APPROVEDPRODUCTLIST/PRODUCTS/INDEX/4947?APP		
1	DMPE	SIGNED AND SEALED WINDLOAD CALCS AS PER RFI 002 RESUBITTAL 6-29-2023_KCI.PD	\$850.00	\$850.00
1	FRGT	ESTIMATED FREIGHT	\$1,500.00	\$1,500.00
43	PCSI	CONCRETE BASE 24" DIAMETER BY 4' LONG, REQUIRED PVC	\$538.00	\$23,134.00
	PCSI	MEETS FDOT REQUIREMENTS. FREIGHT IS INCLUDED TO MARATHON, FL.		
		NOTES:		
		1.) FREIGHT IS INCLUDED FOR ABOVE QUANTITIES.		
		2.) 30% DEPOSIT IS REQUIRED FOR NEW ACCOUNTS. REMAINING DUE PRIOR TO SHIPMENT. CREDIT CARDS INCUR AN ADDITIONAL 4.1% FEE.		
		3.) SALES TAX IS NOT INCLUDED.		
		4.) QUOTE IS VALID FOR 30 DAYS.		

$\Delta = \$995 / loc.$
 trans bases

Same

\$538.00 \$23,134.00

Qty	Mfg	Description	Unit Price	Extd.Price
		5.) SIGNED, APPROVED SUBMITTALS WILL BE REQUIRED TO RELEASE ORDER.		
		6.) CONCRETE FOUNDATIONS AND PVC NEEDED ARE INCLUDED.		
		7.) PRE-SHIPMENT OF ANCHOR BOLTS IS INCLUDED.		
		TOTAL:		\$181,488.00

Lead Time: 16-20 WEEKS

--PLEASE INCLUDE THIS QUOTE WITH YOUR PURCHASE ORDER--

- 1.) Quoting Manufacturers' standard color. Other colors are available and may incur an additional charge.
- 2.) Unloading of the material is not included. Special trucks with lift gates may be requested for an additional charge.
- 3.) State and Federal Taxes are not included unless noted.
- 4.) Quote is FOB Factory and only valid for 30 days. Hold For Release purchase orders do not guarantee pricing.
- 5.) Quote is subject to Manufacturer's published terms and conditions of sale.
- 6.) Release for shipment must take effect within 90 days of Purchase Order.
- 7.) Quote Pricing based on single shipment. Partial Shipments may incur an additional charge. Delivery to residential location may incur additional manufacturer's charges.
- 8.) Pre-Shipment of anchor bolts, templates, hardware and accessories may incur an additional charge.
- 9.) Cancellation of Released Purchase Order may incur cancellation fees.
- 10.) Changes in quantities may void this quotation.
- 11.) Signed, approved submittals may be required. Please allow up to 3 weeks for submittals.
- 12.) Pull Boxes are not included.
- 13.) Installation is not included.
- 14.) Pole Cable Distribution Systems are not included.
- 15.) Contractor is responsible to verify voltage required.
- 16.) Quantities are the responsibility of the contractor.
- 17.) Terms: NET 30-DAYS from the Invoice Date. Overdue accounts are subject to LATE FEES as permitted by the State of Florida.
- 18.) Deposit or Pre-Payment may be required.
- 19.) Credit Card (CC) Transactions will incur an additional 4.1% convenience fee. No refunds on CC Transactions.
- 20.) All warranties are per manufacturer's standard terms and conditions.

THANK YOU FOR THE OPPORTUNITY!

Printed: 08/07/23 15:26:35 Per: MAINNOR PINO Email: mainnor@lightworksflorida.com

*From supplier
Δ = \$65,919*

\$4833/hole

McMillen & Sons Construction

5409 Overseas Hwy #318 ~ Marathon, FL 33050

Phone # 305-916-9831

msconstruction7617@gmail.com

CBC # 1261704

PROPOSAL

August 1, 2023

Proposal for: Coral Construction

Work being performed at:

Final Mile Parking Facilities

Project:

Change Order 1 – Transit Light Foundation Change

Scope of work:

Transit Light Foundations changed from original plans to Standard Index Plans 700-120

Not included if required:

- Electrical
- Plumbing
- Permits
- Engineering
- Landscaping
- Anything other than stipulated in scope of work

All material is guaranteed to be as specified, and the above work to be performed in accordance with the drawings and specifications submitted for the above work and completed in a workmanship like manner for the sum of thirty thousand dollars (\$30,000.00)

Payable in the following manner:

- Balance due at completion of installation.

Any alterations or deviation from above specifications involving extra costs, will be executed only upon written orders by the owner, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, windstorm, flood and other necessary insurance upon above work. Workman's Compensation and Public Liability Insurance on above work to be taken out by the Contractor.

Rates charged for allowances, extras and change orders approved by the owner:

Labor rate: \$75.00/ hour

Note: Contractor profit and overhead at a rate of 25% will be charged on all the above rates for work performed for a change order or an extra and on all costs that exceed the allowances estimates.

Respectfully submitted:

William C. McMillen Jr.

Note: This proposal may be withdrawn by us if not accepted within 14 days.

ACCEPTANCE OF PROPOSAL

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Customer _____

Contractor _____

CONSTRUCTION INDUSTRIES RECOVERY FUND NOTICE

Payment may be available from the Construction Industries Recovery Fund if you lose money on a project performed under contract, where the loss results from specified violations of Florida Law by a state-licensed contractor. For information about the recovery fund and filing a claim contact the Florida Construction Licensing Board at the following telephone number and address: 7960 Arlington Expressway, Jacksonville, Florida 32211-7467; 904-727-6530.



Date: August 4th, 2023
 Expiration Date: 60 Days

Project Coral Construction

Marathon Plant
 Monroe Concrete
 Products
 1500 107th St. Gulf
 Marathon, FL 33050
 305-473-5800
 FDOT Plant No:90-512

SALESPERSON	JOB	PAYMENT TERMS	DUE DATE
J.Pepper	OPEN	Net 30	

QTY	DESCRIPTION	Approved Y/N	LINE TOTAL
	89-089 Non-DOT Screening sand	65.00 per ton	Pick-up price
	There is a 4cy minimum for all FDOT Ready Mix concrete orders		
	15.00 Fuel & Environmental charge per load		
		SUBTOTAL	
		SALES TAX	
		TOTAL	

Quotation prepared by: Jason Pepper

This is a quotation on the goods named, subject to the conditions noted below: (Describe any conditions pertaining to these prices and any additional terms of the agreement. You may want to include contingencies that will affect the quotation.)

To accept this quotation, sign here and return: _____

Thank you for the Business!



Mailing Address: PO Box 500582, Marathon, FL 33050
 Physical Address: 347 Aviation Blvd., Marathon, FL 33050
 Phone: 305-394-0747

September 6, 2023

Project: Final Mile Bike Parking Facilities
 Contract: G272
 Financial Project ID: 446126-1-58-01

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Additional Time: 20 weeks

Chelsea Lyons
 Chelsea Lyons President

Project: Final Mile Bike Parking Facilities
Contract: G272
Financial Project ID: 446126-1-58-01

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Pinders Drilling Service Inc.
PO Box 586
Tavernier, FL 33070
305-522-1871
ENGI210B
SP859

September 1, 2023


Bid for auger holes and set light pole base (Marathon to Key West)

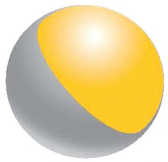
Auger holes to be 30" diameter, 4'6" deep from grade and set light pole base, price is \$3,000 each. All auger points to be free and clear of obstacles and on level ground.

Pinders Drilling Service, Inc. is not responsible for locates or damages to any underground utilities. All locates to be done by others. Price does not include base, base to be supplied and back filled by others.

Payment schedule to be determined.

Any questions, please do not hesitate to call 305-522-1871

Thank you, 
Henry Pinder



lightworks
Smart Technologies. Bright Solutions.

Original Cost

Lightworks, Inc.
P.O. Box 557949
Miami, FL 33255
Miami: (305) 456-3520
WPB: (561) 641-5570
Fax: (305) 676-8984

To: Coral Construction Company CHELSEA LYONS PO Box 500582 Marathon, FL 33050 PH: (305) 394-0747	Job/Project Name: TRANSIT STOP - SOLAR LIGHTING
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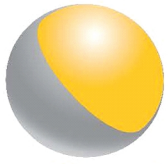
Remarks: PLEASE INCLUDE A COPY OF THIS QUOTE WITH YOUR ORDER

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	SEPC	82 AMP HOUR BATTERY ASSEMBLY- POWDER COATED		
	SEPC	RATIO WALL LIGHTER FIXTURE 10 WATT LED		
	SEPC	ADAPTIVE LIGHTING CONTROL: DUSK TO DAWN OPERATION		
	SEPC	REMOTE ACTUATED SWITCH		
	SEPC	INTERVAL TIMER AND SWITCH		
	SEPC	16' OVERALL DIRECT BURIAL ALUMINUM POLE POWDER COATED		
1	DMPE	SIGNED AND SEALED WINDLOAD CALCS	\$850.00	\$850.00
1	FRGT	ESTIMATED FREIGHT	\$1,500.00	\$1,500.00
		NOTES:		
		1.) FREIGHT IS INCLUDED FOR ABOVE QUANTITIES.		
		2.) DEPOSIT OR PREPAYMENT MAY BE REQUIRED FOR NEW ACCOUNTS.		
		3.) SALES TAX IS NOT INCLUDED.		
		4.) QUOTE IS VALID FOR 30 DAYS.		
		5.) SIGNED, APPROVED SUBMITTALS WILL BE REQUIRED TO RELEASE ORDER.		
		TOTAL:		\$115,569.00

Lead Time: 10-12 WEEKS

--PLEASE INCLUDE THIS QUOTE WITH YOUR PURCHASE ORDER--

- 1.) Quoting Manufacturers' standard color. Other colors are available and may incur an additional charge.
- 2.) Unloading of the material is not included. Special trucks with lift gates may be requested for an additional charge.
- 3.) State and Federal Taxes are not included.
- 4.) Quote is FOB Factory and only valid for 30 days.
- 5.) Quote is subject to Manufacturer's published terms and conditions of sale.
- 6.) Release for shipment must take effect within 90 days of Purchase Order.
- 7.) Quote Pricing based on single shipment. Partial Shipments may incur an additional charge.
- 8.) Pre-Shipment of anchor bolts, templates, hardware and accessories may incur an additional charge.
- 9.) Cancellation of Released Purchase Order may incur cancellation fees.
- 10.) Changes in quantities may void this quotation.
- 11.) Signed, approved submittals may be required. Please allow up to 3 weeks for submittals.
- 12.) Pull Boxes are not included.
- 13.) Installation is not included.
- 14.) Pole Cable Distribution Systems are not included.
- 15.) Contractor is responsible to verify voltage required.



lightworks
Smart Technologies. Bright Solutions.

Cost With Bases

Lightworks, Inc.
P.O. Box 557949
Miami, FL 33255
Miami: (305) 456-3520
WPB: (561) 641-5570
Fax: (305) 676-8984

To: CORAL CONSTRUCTION COMPANY CHELSEA LYONS PO Box 500582 MARATHON, FL 33050 PH: 305-394-0747	Job/Project Name: TRANSIT STOP - SOLAR LIGHTING
---	---

Remarks: PLEASE INCLUDE A COPY OF THIS QUOTE WITH YOUR ORDER

Qty	Mfg	Description	Unit Price	Extd.Price
		**8/7/2023 - REVISED QUOTE TO INCLUDE PRE-SHIPMENT OF ANCHOR BOLTS		
43	SEPC	SEPCO-SEPA75PT-SPC-RWL10-ALC11/RAS/INT	\$3,628.00	\$156,004.00
	SEPC	- SOLAR ELECTRIC POWER ASSEMBLY 75 WATT WITH POST TOP ARRAY		
	SEPC	- 82 AMP HOUR BATTERY ASSEMBLY- POWDER COATED		
	SEPC	- RATIO WALL LIGHTER FIXTURE 10 WATT LED		
	SEPC	- ADAPTIVE LIGHTING CONTROL: DUSK TO DAWN OPERATION		
	SEPC	- REMOTE ACTUATED SWITCH		
	SEPC	- INTERVAL TIMER AND SWITCH		
	SEPC	- LIGHT FIXTURE FINISH TO BE PLATINUM SILVER POWDER COAT		
	SEPC	- POLE PZ7 - 12' X 4" ALUMINUM POLE WITH FDOT BREAKAWAY ALUMINUM BASE		
	SEPC	- POLE AND T-BASE FINISH TO BE NATURAL BRUSHED ALUMINUM		
	SEPC	- T-BASE IS ON THE FDOT APL LIST:		
	SEPC	HTTPS://FDOTWP1.DOT.STATE.FL.US/ APPROVEDPRODUCTLIST/PRODUCTS/INDEX/4947?APP		
1	DMPE	SIGNED AND SEALED WINDLOAD CALCS AS PER RFI 002 RESUBITTAL 6-29-2023_KCI.PD	\$850.00	\$850.00
1	FRGT	ESTIMATED FREIGHT	\$1,500.00	\$1,500.00
43	PCSI	CONCRETE BASE 24" DIAMETER BY 4' LONG, REQUIRED PVC	\$538.00	\$23,134.00
	PCSI	MEETS FDOT REQUIREMENTS. FREIGHT IS INCLUDED TO MARATHON, FL.		
		NOTES:		
		1.) FREIGHT IS INCLUDED FOR ABOVE QUANTITIES.		
		2.) 30% DEPOSIT IS REQUIRED FOR NEW ACCOUNTS. REMAINING DUE PRIOR TO SHIPMENT. CREDIT CARDS INCUR AN ADDITIONAL 4.1% FEE.		
		3.) SALES TAX IS NOT INCLUDED.		
		4.) QUOTE IS VALID FOR 30 DAYS.		

Qty	Mfg	Description	Unit Price	Extd.Price
		5.) SIGNED, APPROVED SUBMITTALS WILL BE REQUIRED TO RELEASE ORDER.		
		6.) CONCRETE FOUNDATIONS AND PVC NEEDED ARE INCLUDED.		
		7.) PRE-SHIPMENT OF ANCHOR BOLTS IS INCLUDED.		
		TOTAL:		\$181,488.00

Lead Time: 16-20 WEEKS

--PLEASE INCLUDE THIS QUOTE WITH YOUR PURCHASE ORDER--

- 1.) Quoting Manufacturers' standard color. Other colors are available and may incur an additional charge.
- 2.) Unloading of the material is not included. Special trucks with lift gates may be requested for an additional charge.
- 3.) State and Federal Taxes are not included unless noted.
- 4.) Quote is FOB Factory and only valid for 30 days. Hold For Release purchase orders do not guarantee pricing.
- 5.) Quote is subject to Manufacturer's published terms and conditions of sale.
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- 9.) Cancellation of Released Purchase Order may incur cancellation fees.
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- 11.) Signed, approved submittals may be required. Please allow up to 3 weeks for submittals.
- 12.) Pull Boxes are not included.
- 13.) Installation is not included.
- 14.) Pole Cable Distribution Systems are not included.
- 15.) Contractor is responsible to verify voltage required.
- 16.) Quantities are the responsibility of the contractor.
- 17.) Terms: NET 30-DAYS from the Invoice Date. Overdue accounts are subject to LATE FEES as permitted by the State of Florida.
- 18.) Deposit or Pre-Payment may be required.
- 19.) Credit Card (CC) Transactions will incur an additional 4.1% convenience fee. No refunds on CC Transactions.
- 20.) All warranties are per manufacturer's standard terms and conditions.

THANK YOU FOR THE OPPORTUNITY!

Printed: 08/07/23 15:26:35 Per: MAINNOR PINO Email: mainnor@lightworksflorida.com

McMillen & Sons Construction

5409 Overseas Hwy #318 ~ Marathon, FL 33050

Phone # 305-916-9831

msconstruction7617@gmail.com

CBC # 1261704

PROPOSAL

August 1, 2023

Proposal for: Coral Construction

Work being performed at:

Final Mile Parking Facilities

Project:

Change Order 1 – Transit Light Foundation Change

Scope of work:

Transit Light Foundations changed from original plans to Standard Index Plans 700-120

Not included if required:

- Electrical
- Plumbing
- Permits
- Engineering
- Landscaping
- Anything other than stipulated in scope of work

All material is guaranteed to be as specified, and the above work to be performed in accordance with the drawings and specifications submitted for the above work and completed in a workmanship like manner for the sum of thirty thousand dollars (\$30,000.00)

Payable in the following manner:

- Balance due at completion of installation.

Any alterations or deviation from above specifications involving extra costs, will be executed only upon written orders by the owner, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, windstorm, flood and other necessary insurance upon above work. Workman's Compensation and Public Liability Insurance on above work to be taken out by the Contractor.

Rates charged for allowances, extras and change orders approved by the owner:

Labor rate: \$75.00/ hour

Note: Contractor profit and overhead at a rate of 25% will be charged on all the above rates for work performed for a change order or an extra and on all costs that exceed the allowances estimates.

Respectfully submitted:

William C. McMillen Jr.

Note: This proposal may be withdrawn by us if not accepted within 14 days.

ACCEPTANCE OF PROPOSAL

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Customer _____

Contractor _____

CONSTRUCTION INDUSTRIES RECOVERY FUND NOTICE

Payment may be available from the Construction Industries Recovery Fund if you lose money on a project performed under contract, where the loss results from specified violations of Florida Law by a state-licensed contractor. For information about the recovery fund and filing a claim contact the Florida Construction Licensing Board at the following telephone number and address: 7960 Arlington Expressway, Jacksonville, Florida 32211-7467; 904-727-6530.



Date: August 4th, 2023
 Expiration Date: 60 Days

Project Coral Construction

Marathon Plant
 Monroe Concrete
 Products
 1500 107th St. Gulf
 Marathon, FL 33050
 305-473-5800
 FDOT Plant No:90-512

SALESPERSON	JOB	PAYMENT TERMS	DUE DATE
J.Pepper	OPEN	Net 30	

QTY	DESCRIPTION	Approved Y/N	LINE TOTAL
	89-089 Non-DOT Screening sand	65.00 per ton	Pick-up price
	There is a 4cy minimum for all FDOT Ready Mix concrete orders		
	15.00 Fuel & Environmental charge per load		
		SUBTOTAL	
		SALES TAX	
		TOTAL	

Quotation prepared by: Jason Pepper

This is a quotation on the goods named, subject to the conditions noted below: (Describe any conditions pertaining to these prices and any additional terms of the agreement. You may want to include contingencies that will affect the quotation.)

To accept this quotation, sign here and return: _____

Thank you for the Business!

ORIGINAL COST PROPOSAL- REJECTED AFTER DISCUSSIONS WITH CONTRACTOR
CORAL AND MCMILLAN LABOR COSTS COULD NOT BE JUSTIFIED.



Mailing Address: PO Box 500582, Marathon, FL 33050
 Physical Address: 347 Aviation Blvd., Marathon, FL 33050
 Phone: 305-394-0747

August 7, 2023

Project: Final Mile Bike Parking Facilities
 Contract: G272
 Financial Project ID: 446126-1-58-01

RE: Changer Order 1 – Transit Light Foundation Change

Change Order Description:

Transit Light Foundations changed from original plans to Standard Index Plans 700-120. Costs include changed concrete foundation, transformer base, and additional work required to complete new foundation. Costs do not include additional concrete sidewalk for ADA compliance.

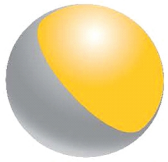
	<u>Total Cost</u>	<u>New Cost</u>	<u>Original Cost</u>		
Light Additional:	\$ 65,919.00	\$ 181,488.00	\$ (115,569.00)	5%	\$ 69,214.95

	<u>Cost</u>	<u>Unit Cost</u>	<u>Units</u>	<u>O/H & P</u>	<u>Total Cost</u>
Auger Holes (Pinder):	\$ 129,000.00	\$ 3,000.00	43	5%	\$ 135,450.00
MOT Additional	\$ 8,400.00	\$ 2,800.00	3	5%	\$ 8,820.00
Sand	\$ 2,795.00	\$ 65.00	43	5%	\$ 2,934.75
McMillen & Sons:	\$ 30,000.00			5%	\$ 31,500.00
Coral Construction Labor	\$ 35,174.40			15%	\$ 40,450.56
Credit for Original Plans	\$ (21,500.00)	\$ (500.00)	43		\$ (21,500.00)

Change Order Total: \$ 266,870.26

Additional Time: 12 weeks

Chelsea Lyons
 Chelsea Lyons President



lightworks
Smart Technologies. Bright Solutions.

Lightworks, Inc.
P.O. Box 557949
Miami, FL 33255
Miami: (305) 456-3520
WPB: (561) 641-5570
Fax: (305) 676-8984

To: CORAL CONSTRUCTION COMPANY CHELSEA LYONS PO Box 500582 MARATHON, FL 33050 PH: 305-394-0747	Job/Project Name: TRANSIT STOP - SOLAR LIGHTING
---	--

Remarks: PLEASE INCLUDE A COPY OF THIS QUOTE WITH YOUR ORDER

Qty	Mfg	Description	Unit Price	Extd.Price
		**8/7/2023 - REVISED QUOTE TO INCLUDE PRE-SHIPMENT OF ANCHOR BOLTS		
43	SEPC	SEPCO-SEPA75PT-SPC-RWL10-ALC11/RAS/INT	\$3,628.00	\$156,004.00
	SEPC	- SOLAR ELECTRIC POWER ASSEMBLY 75 WATT WITH POST TOP ARRAY		
	SEPC	- 82 AMP HOUR BATTERY ASSEMBLY- POWDER COATED		
	SEPC	- RATIO WALL LIGHTER FIXTURE 10 WATT LED		
	SEPC	- ADAPTIVE LIGHTING CONTROL: DUSK TO DAWN OPERATION		
	SEPC	- REMOTE ACTUATED SWITCH		
	SEPC	- INTERVAL TIMER AND SWITCH		
	SEPC	- LIGHT FIXTURE FINISH TO BE PLATINUM SILVER POWDER COAT		
	SEPC	- POLE PZ7 - 12' X 4" ALUMINUM POLE WITH FDOT BREAKAWAY ALUMINUM BASE		
	SEPC	- POLE AND T-BASE FINISH TO BE NATURAL BRUSHED ALUMINUM		
	SEPC	- T-BASE IS ON THE FDOT APL LIST:		
	SEPC	HTTPS://FDOTWP1.DOT.STATE.FL.US/ APPROVEDPRODUCTLIST/PRODUCTS/INDEX/4947?APP		
1	DMPE	SIGNED AND SEALED WINDLOAD CALCS AS PER RFI 002 RESUBITTAL 6-29-2023_KCI.PD	\$850.00	\$850.00
1	FRGT	ESTIMATED FREIGHT	\$1,500.00	\$1,500.00
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	PCSI	MEETS FDOT REQUIREMENTS. FREIGHT IS INCLUDED TO MARATHON, FL.		
		NOTES:		
		1.) FREIGHT IS INCLUDED FOR ABOVE QUANTITIES.		
		2.) 30% DEPOSIT IS REQUIRED FOR NEW ACCOUNTS. REMAINING DUE PRIOR TO SHIPMENT. CREDIT CARDS INCUR AN ADDITIONAL 4.1% FEE.		
		3.) SALES TAX IS NOT INCLUDED.		
		4.) QUOTE IS VALID FOR 30 DAYS.		

Qty	Mfg	Description	Unit Price	Extd.Price
		5.) SIGNED, APPROVED SUBMITTALS WILL BE REQUIRED TO RELEASE ORDER.		
		6.) CONCRETE FOUNDATIONS AND PVC NEEDED ARE INCLUDED.		
		7.) PRE-SHIPMENT OF ANCHOR BOLTS IS INCLUDED.		
		TOTAL:		\$181,488.00

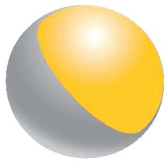
Lead Time: 16-20 WEEKS

--PLEASE INCLUDE THIS QUOTE WITH YOUR PURCHASE ORDER--

- 1.) Quoting Manufacturers' standard color. Other colors are available and may incur an additional charge.
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- 19.) Credit Card (CC) Transactions will incur an additional 4.1% convenience fee. No refunds on CC Transactions.
- 20.) All warranties are per manufacturer's standard terms and conditions.

THANK YOU FOR THE OPPORTUNITY!

Printed: 08/07/23 15:26:35 Per: MAINNOR PINO Email: mainnor@lightworksflorida.com



lightworks
Smart Technologies. Bright Solutions.

Lightworks, Inc.
P.O. Box 557949
Miami, FL 33255
Miami: (305) 456-3520
WPB: (561) 641-5570
Fax: (305) 676-8984

To: Coral Construction Company CHELSEA LYONS PO Box 500582 Marathon, FL 33050 PH: (305) 394-0747	Job/Project Name: TRANSIT STOP - SOLAR LIGHTING
---	--

Remarks: PLEASE INCLUDE A COPY OF THIS QUOTE WITH YOUR ORDER

Qty	Mfg	Description	Unit Price	Extd.Price
43	SEPC	SEPCO-SEPA75PT-SPC-RWL10-ALC11/RAS/INT-PZ1	\$2,633.00	\$113,219.00
	SEPC	SOLAR ELECTRIC POWER ASSEMBLY 75 WATT WITH POST TOP ARRAY		
	SEPC	82 AMP HOUR BATTERY ASSEMBLY- POWDER COATED		
	SEPC	RATIO WALL LIGHTER FIXTURE 10 WATT LED		
	SEPC	ADAPTIVE LIGHTING CONTROL: DUSK TO DAWN OPERATION		
	SEPC	REMOTE ACTUATED SWITCH		
	SEPC	INTERVAL TIMER AND SWITCH		
	SEPC	16' OVERALL DIRECT BURIAL ALUMINUM POLE POWDER COATED		
1	DMPE	SIGNED AND SEALED WINDLOAD CALCS	\$850.00	\$850.00
1	FRGT	ESTIMATED FREIGHT	\$1,500.00	\$1,500.00
		NOTES:		
		1.) FREIGHT IS INCLUDED FOR ABOVE QUANTITIES.		
		2.) DEPOSIT OR PREPAYMENT MAY BE REQUIRED FOR NEW ACCOUNTS.		
		3.) SALES TAX IS NOT INCLUDED.		
		4.) QUOTE IS VALID FOR 30 DAYS.		
		5.) SIGNED, APPROVED SUBMITTALS WILL BE REQUIRED TO RELEASE ORDER.		
TOTAL:				\$115,569.00

Lead Time: 10-12 WEEKS

--PLEASE INCLUDE THIS QUOTE WITH YOUR PURCHASE ORDER--

- 1.) Quoting Manufacturers' standard color. Other colors are available and may incur an additional charge.
- 2.) Unloading of the material is not included. Special trucks with lift gates may be requested for an additional charge.
- 3.) State and Federal Taxes are not included.
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- 12.) Pull Boxes are not included.
- 13.) Installation is not included.
- 14.) Pole Cable Distribution Systems are not included.
- 15.) Contractor is responsible to verify voltage required.

Fw: Bid for auger holes and base (Marathon to Key West)

From: Chelsea Lyons (chelseamlyons@yahoo.com)

To: chelseamlyons@yahoo.com

Date: Tuesday, August 8, 2023 at 08:52 AM EDT

----- Forwarded message -----

From: **Pinders Drilling** <pindersdrilling@gmail.com>

Date: Tue, Aug 1, 2023 at 8:16 PM

Subject: Bid for auger holes and base (Marathon to Key)

To: Even Coral Construction (Marco) <office@coralconstructioncompany.com>

Bid for auger holes and base (Marathon to Key West)

Bid for auger holes and set light pole base

Auger holes to be 30" diameter, 4'6" deep from grade and set light pole base, price to be \$3,000 each. All auger point locations need to be free and clear of obstacles and on level ground.

Approximately 43 auger holes and bases to be set, Pinders Drilling is not responsible for locates or damages to any underground utilities. All locates must be done by others.

Price does not include base, base to be supplied by others. Payment schedule to be determined . Any questions, please do not hesitate to call, thank you, Henry.

Lic# ENGII 210B/ SP859

Sent from my iPhone



4601 Oakes Rd
 Davie, FL. 33314
 954-321-8205 (OFFICE)
 954-791-0921 (FAX)

CUSTOMER NAME:

Coral Construction
 Marco Auson

JOB ADDRESS:

Monroe County
 Key Largo to Key West

SALESMAN: BT

DATE: 7/27/2023

QTY	ITEM	DESCRIPTION	EACH	PER DAY
		Flagging Operation		
1	603	Flagging Operation	\$ 1,700.00	\$ 1,700.00
		includes devices, 3 man crew		
		(3 man crew is 2 flaggers, with rotator)		
1	MOB	Per Diem / Hotel	\$ 1,100.00	\$ 1,100.00
		per night		
			SUBTOTAL:	\$ 2,800.00
			TAX:	
			TOTAL:	\$ 2,800.00



Date: August 4th, 2023
 Expiration Date: 60 Days

Project Coral Construction

Marathon Plant
 Monroe Concrete
 Products
 1500 107th St. Gulf
 Marathon, FL 33050
 305-473-5800
 FDOT Plant No:90-512

SALESPERSON	JOB	PAYMENT TERMS	DUE DATE
J.Pepper	OPEN	Net 30	

QTY	DESCRIPTION	Approved Y/N	LINE TOTAL
	89-089 Non-DOT Screening sand	65.00 per ton	Pick-up price
	There is a 4cy minimum for all FDOT Ready Mix concrete orders		
	15.00 Fuel & Environmental charge per load		
		SUBTOTAL	
		SALES TAX	
		TOTAL	

Quotation prepared by: Jason Pepper

This is a quotation on the goods named, subject to the conditions noted below: (Describe any conditions pertaining to these prices and any additional terms of the agreement. You may want to include contingencies that will affect the quotation.)

To accept this quotation, sign here and return: _____

Thank you for the Business!

McMillen & Sons Construction

5409 Overseas Hwy #318 ~ Marathon, FL 33050

Phone # 305-916-9831

msconstruction7617@gmail.com

CBC # 1261704

PROPOSAL

August 1, 2023

Proposal for: Coral Construction

Work being performed at:

Final Mile Parking Facilities

Project:

Change Order 1 – Transit Light Foundation Change

Scope of work:

Transit Light Foundations changed from original plans to Standard Index Plans 700-120

Not included if required:

- Electrical
- Plumbing
- Permits
- Engineering
- Landscaping
- Anything other than stipulated in scope of work

All material is guaranteed to be as specified, and the above work to be performed in accordance with the drawings and specifications submitted for the above work and completed in a workmanship like manner for the sum of thirty thousand dollars (\$30,000.00)

Payable in the following manner:

- Balance due at completion of installation.

Any alterations or deviation from above specifications involving extra costs, will be executed only upon written orders by the owner, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, windstorm, flood and other necessary insurance upon above work. Workman's Compensation and Public Liability Insurance on above work to be taken out by the Contractor.

Rates charged for allowances, extras and change orders approved by the owner:

Labor rate: \$75.00/ hour

Note: Contractor profit and overhead at a rate of 25% will be charged on all the above rates for work performed for a change order or an extra and on all costs that exceed the allowances estimates.

Respectfully submitted:

William C. McMillen Jr.

Note: This proposal may be withdrawn by us if not accepted within 14 days.

ACCEPTANCE OF PROPOSAL

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Customer _____

Contractor _____

CONSTRUCTION INDUSTRIES RECOVERY FUND NOTICE

Payment may be available from the Construction Industries Recovery Fund if you lose money on a project performed under contract, where the loss results from specified violations of Florida Law by a state-licensed contractor. For information about the recovery fund and filing a claim contact the Florida Construction Licensing Board at the following telephone number and address: 7960 Arlington Expressway, Jacksonville, Florida 32211-7467; 904-727-6530.

Project: Final Mile Bike Parking Facilities
Contract: G272
Financial Project ID: 446126-1-58-01

Change Order 1 - Transit Light Foundation Change

Coral Construction Labor Breakdown

Labor

<u>Days</u>	<u>Laborer</u>	<u>Labor rate</u>	<u>Insurance</u>	<u>Labor total</u>	<u>Hours</u>	<u>Total</u>
30	Foreman	75	28%	\$ 96.00	8	\$ 23,040.00
30	Laborer	22.5	28%	\$ 28.80	8	\$ 6,912.00
30	Laborer	17	28%	\$ 21.76	8	\$ 5,222.40

Labor Total \$ 35,174.40

**ORIGINAL
PLAN SHEET**

TRANSIT STOP LIGHTING SYSTEM DETAIL (FLAGGING DEVICE)

VOID

ALUMINUM POLE SPECIFICATIONS

6063-T6 SEAMLESS EXTRUDED ALUMINUM TUBE WITH RESISTANCE TO CORROSION.
CONFORMS TO ASTM B221, AMS4156K.
MEETS ANSI C136.45-2011.
NOMINAL: 4" OD, ROUND.

OVERALL LENGTH (OAL): 16'
WALL THICKNESS: 0.125"
WEIGHT: 30 LBS

SOLAR PANEL POWER ASSEMBLY 75 WATT

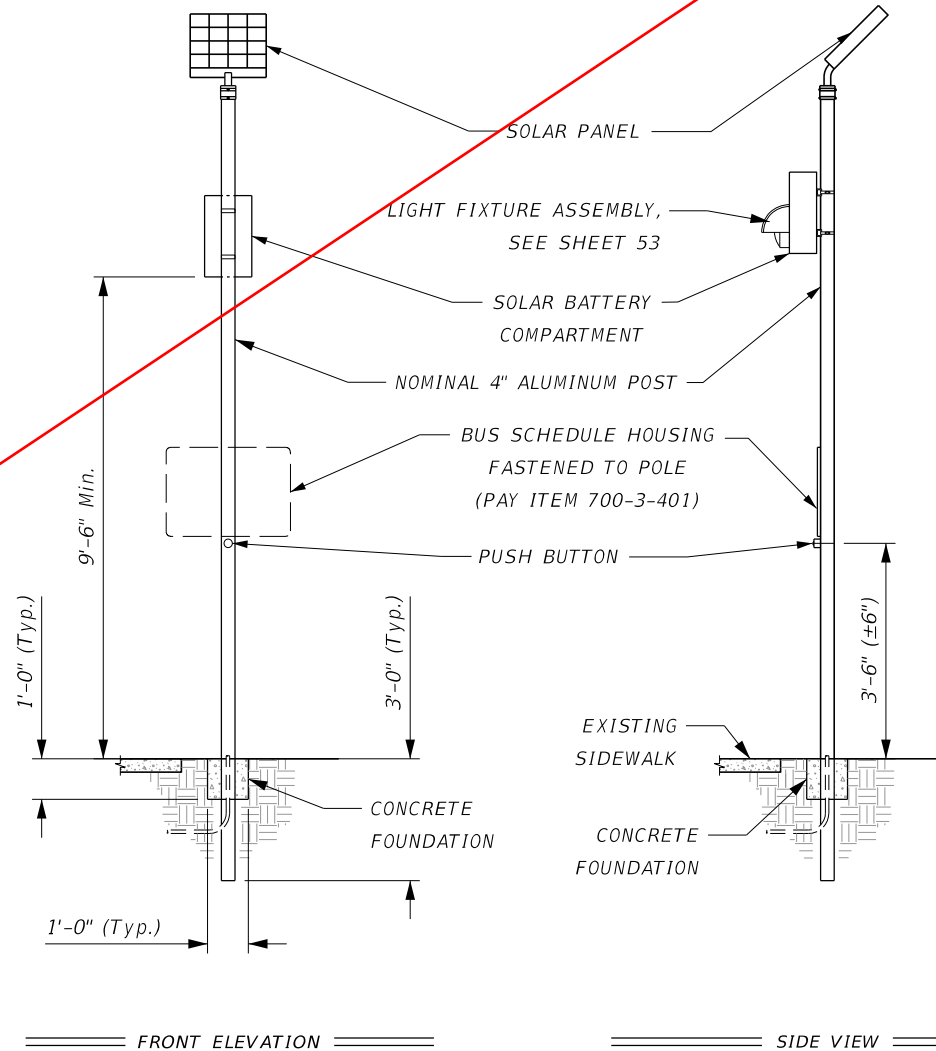
CRYSTALLINE SOLAR CELLS
ALUMINUM FRAME FOR EASY MOUNTING
TEMPERED GLASS FOR DURABILITY
FLUOROPOLYMER COATING ON THE BACK OF THE PANEL

SOLAR PANEL MODULE SPECIFICATIONS

PEAK POWER	P _{MAX} (W)	75
MAXIMUM POWER VOLTAGE	V _{MP} (V)	18.64
MAXIMUM POWER CURRENT	I _{MP} (A)	4.02
OPEN-CIRCUIT VOLTAGE	V _{OC} (A)	22.18
SHORT-CIRCUIT CURRENT	I _{SC} (A)	4.27
DIMENSIONS	IN. (M)	26.57 x 30.47 (675 x 774)
EPA @ 450	SQ FT	3.97

NOTES:

- FLAGGING DEVICE SHALL BE LOCATED ADJACENT TO EXISTING BUS SHELTERS.
- SOLAR PANEL SHALL BE FACING SOUTH.



FRONT ELEVATION

SIDE VIEW

ENGINEER OF RECORD: BRYAN WILSON, P.E. #43447

KCI TECHNOLOGIES, INC.

1425 W CYPRESS CREEK RD., SUITE 101
FORT LAUDERDALE, FLORIDA 33309-2132
(954) 839-6702

CITY OF KEY WEST

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	MONROE	446126-1-58-01

SPECIAL DETAILS

SHEET NO.

52

TRANSIT STOP LIGHTING SYSTEM DETAIL (FLAGGING DEVICE)

**NEW
REVISED PLAN SHEET**

ALUMINUM POLE SPECIFICATIONS

6063-T6 SEAMLESS EXTRUDED ALUMINUM TUBE WITH RESISTANCE TO CORROSION.
CONFORMS TO ASTM B221, AMS4156K.
MEETS ANSI C136.45-2011.
NOMINAL: 4" OD, ROUND.

OVERALL LENGTH (OAL): 16'
WALL THICKNESS: 0.125"
WEIGHT: 30 LBS

SOLAR PANEL POWER ASSEMBLY 75 WATT

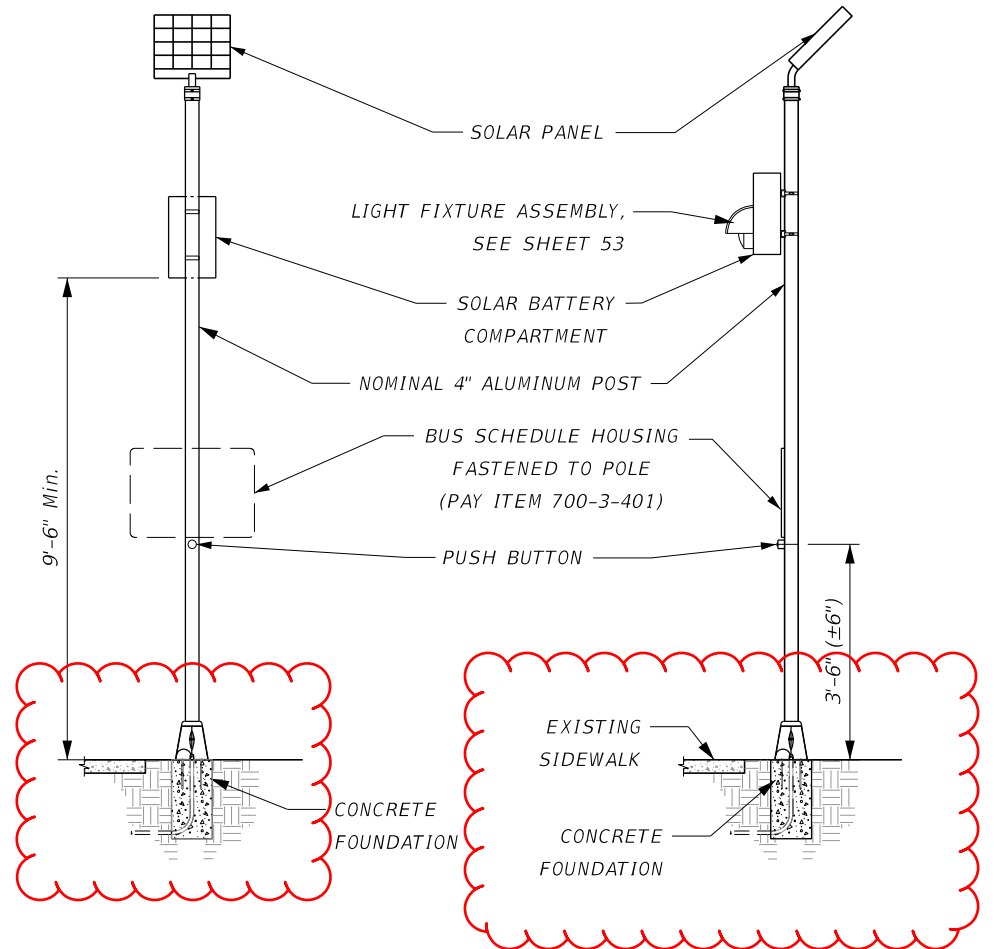
CRYSTALLINE SOLAR CELLS
ALUMINUM FRAME FOR EASY MOUNTING
TEMPERED GLASS FOR DURABILITY
FLUOROPOLYMER COATING ON THE BACK OF THE PANEL

SOLAR PANEL MODULE SPECIFICATIONS

PEAK POWER	P _{MAX} (W)	75
MAXIMUM POWER VOLTAGE	V _{MP} (V)	18.64
MAXIMUM POWER CURRENT	I _{MP} (A)	4.02
OPEN-CIRCUIT VOLTAGE	V _{OC} (A)	22.18
SHORT-CIRCUIT CURRENT	I _{SC} (A)	4.27
DIMENSIONS	IN. (M)	26.57 x 30.47 (675 x 774)
EPA @ 450	SQ FT	3.97

NOTES:

1. FLAGGING DEVICE SHALL BE LOCATED ADJACENT TO EXISTING BUS SHELTERS.
2. SOLAR PANEL SHALL BE FACING SOUTH.



changes highlighted by Jacki Hart RS&H for clarification

===== FRONT ELEVATION =====

===== SIDE VIEW =====

ENGINEER OF RECORD: BRYAN WILSON, P.E. #43447

KCI TECHNOLOGIES, INC.

1425 W CYPRESS CREEK RD., SUITE 101
FORT LAUDERDALE, FLORIDA 33309-2132
(954) 839-6702

CITY OF KEY WEST

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	MONROE	446126-1-58-01

SPECIAL DETAILS

SHEET NO.

52

TRANSIT STOP LIGHTING SYSTEM DETAIL (FLAGGING DEVICE)

BATTERY ASSEMBLY

MAINTENANCE-FREE GEL-CELL BATTERIES
NEMA 3R VENTED ALUMINUM BATTERY BOX WITH LOCK
WELDED BACK MOUNTING CHANNEL
PLUG AND PLAY WIRING
THROUGH POLE WIRING FOR NO EXPOSED WIRING
NON-SPILLABLE

BATTERY SPECIFICATIONS

BULK CHARGE	MAX CURRENT	30% OF 20 HR RATE
ABSORPTION (REGULATION)	CONSTANT VOLTAGE	2.35 - 2.40 VPC
FLOAT CHARGE	CONSTANT VOLTAGE	2.25 VPC +/- 0.01
EQUALIZE CHARGE	CONSTANT VOLTAGE	2.4 - 2.43
TEMPERATURE COEFFICIENT		.003 V/°C

INTERVAL TIMER & SWITCH

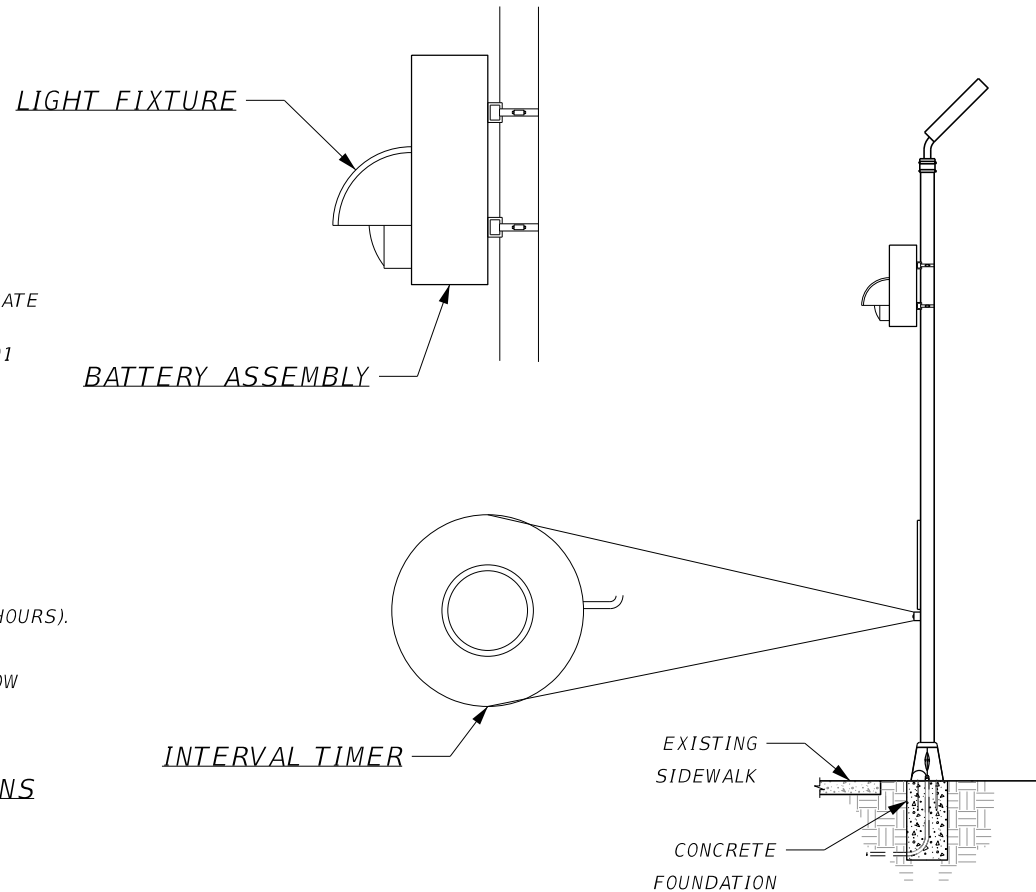
HIGH QUALITY AND VANDAL RESISTANT SWITCH.
WHEN THE DOT-STYLE PEDESTRIAN BUTTON IS PUSHED THE LIGHT
FIXTURE(S) COME ON FOR THE TIME SPECIFIED (FROM 10 SECONDS TO 10 HOURS).
20' LEAD-IN CABLE AND TWO STAINLESS STEEL BOLTS ARE PROVIDED.
EASY-INSTALL SWITCH AND THE CABLE CAN BE ROUTED UP INSIDE A HOLLOW
POLE OR OUTSIDE OF A SOLID POLE.

LIGHT FIXTURE

SOLID-STATE LED LIGHT SOURCE
12 VDC ELECTRONIC DIMMING DRIVERS
DIE-CAST ALUMINUM HOUSING
POLYESTER FINISH
* PLATINUM SILVER, GRAY,
DARK BRONZE, BLACK, AND WHITE
MULTIPLE LIGHT DISTRIBUTIONS
CCT, 3K, 4K, 5K

LIGHT SPECIFICATIONS

WATTAGE	10
DISTRIBUTION	TYPE 4
COLOR	4000K
LUMENS	135 LPW
FINISH	TBD
DIMENSIONS	9.7" x 7" x 5"
WEIGHT	6.5 LBS



change highlighted by Jacki Hart RS&H for clarification

NOTE: FOR FOUNDATION DETAIL, REFER TO FDOT STANDARD PLAN INDEX 700-120

ENGINEER OF RECORD: BRYAN WILSON, P.E. #43447

KCI TECHNOLOGIES, INC.

1425 W CYPRESS CREEK RD., SUITE 101
FORT LAUDERDALE, FLORIDA 33309-2132
(954) 839-6702

CITY OF KEY WEST

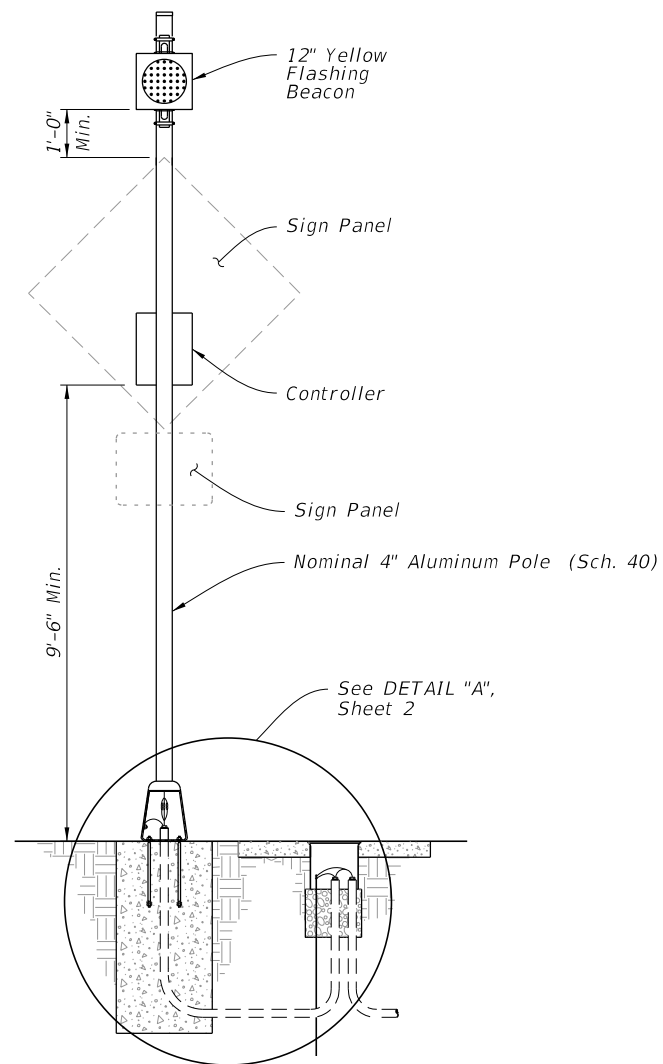
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	MONROE	446126-1-58-01

SPECIAL DETAILS

SHEET
NO.

53

STANDARD PLANS 700-120 FOR
REFERENCE

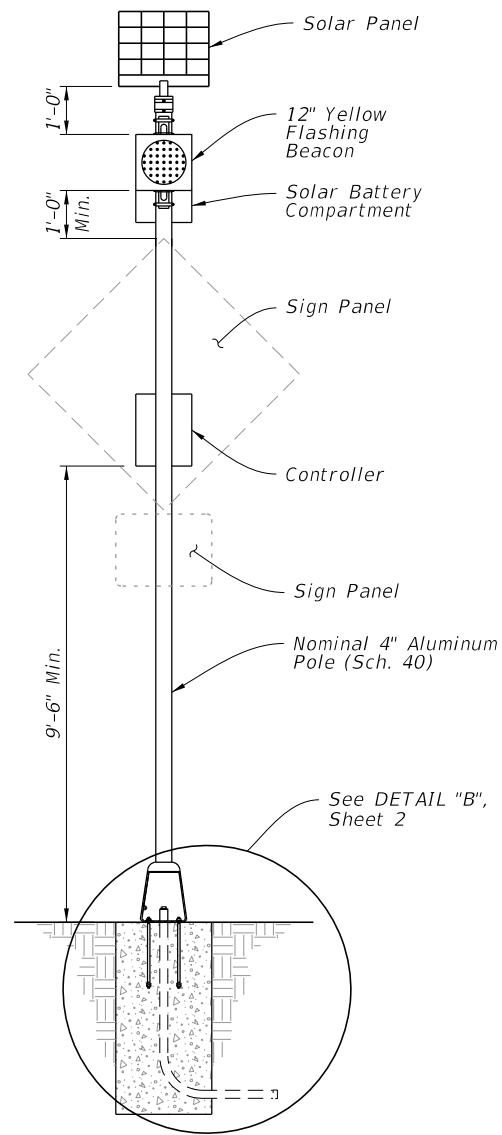


FRONT ELEVATION

POWER CONFIGURATION 'A'
CONVENTIONALLY-POWERED
 (Type A1 Shown)

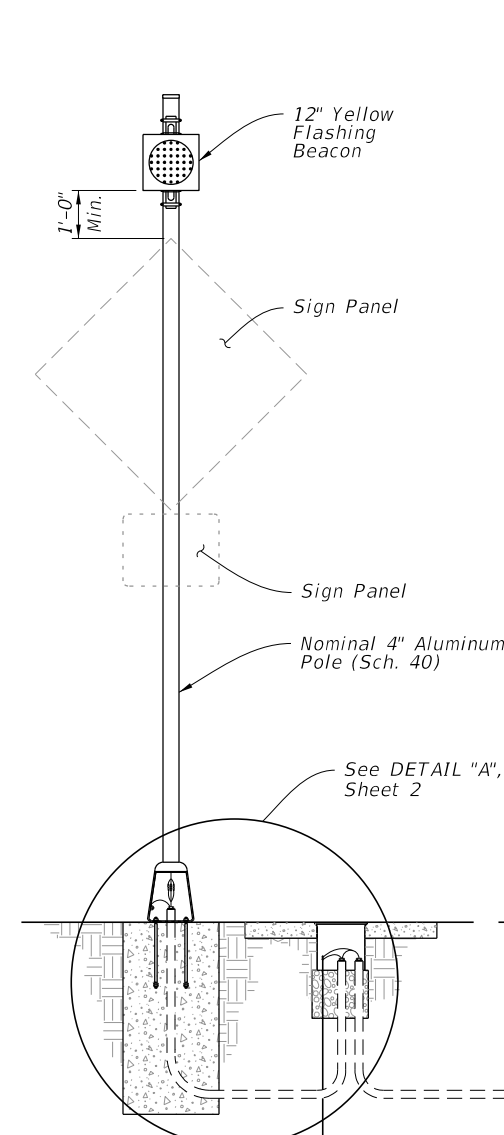
GENERAL NOTES:

1. Install sign assemblies based on Alpha-Numeric Type designation shown in the Plans (e.g., Type A1). Assembly Type is based on Power Configuration 'Alpha' Identification shown above and Numerical Identification shown on Sheet 3 thru 8.
2. Install sign panel and wind beam in accordance with Index 700-010 and Specification 700.
3. Engage all threads on the transformer base and post unless the aluminum post is fully seated into base.
4. Meet the requirements of Specification 646.
5. Install a concrete slab around all roadside assemblies on slopes 6:1 or greater. The minimum slab dimension is 6" by 4'-0" by 5'-0".
6. When wire entry holes are drilled in the sign column, use a bushing or rubber grommet to protect conductors.



FRONT ELEVATION

WITHOUT AUXILIARY POLE



SIGN ASSEMBLY
FRONT ELEVATION

AUXILIARY POLE
ELEVATION

WITH AUXILIARY POLE

POWER CONFIGURATION 'B'
SOLAR-POWERED
 (Type B1 Shown)

POWER CONFIGURATION 'B' NOTES:

1. Install a separate pole for mounting the solar panel, controller and batteries for all roadside assemblies with solar panels, controllers and batteries weighing more than 170 lbs.
2. Install the auxiliary pole as close to the right of way boundary as possible.
3. Install the auxiliary pole so that the height is the same as the column for the roadside assembly.
4. Orient solar panel to face South for optimal exposure to sunlight.
5. The controller and the solar batteries may be located in the same compartment.

TABLE OF CONTENTS:

Sheet	Description
1	General Notes and Contents
2	Conduit, Wiring, and Foundation Details
3	Roadside Sign Assembly-1
4	Roadside Sign Assembly-2
5	Roadside Sign Assembly-3
6	Roadside Sign Assembly-4
7	Roadside Sign Assembly-5
8	Roadside Sign Assembly-6
9	Roadside Sign Assembly-7
10	Roadside Sign Assembly-8
11	Overhead Sign Assembly

11/16/2021 7:35:01 AM

LAST REVISION	DESCRIPTION:
11/01/21	



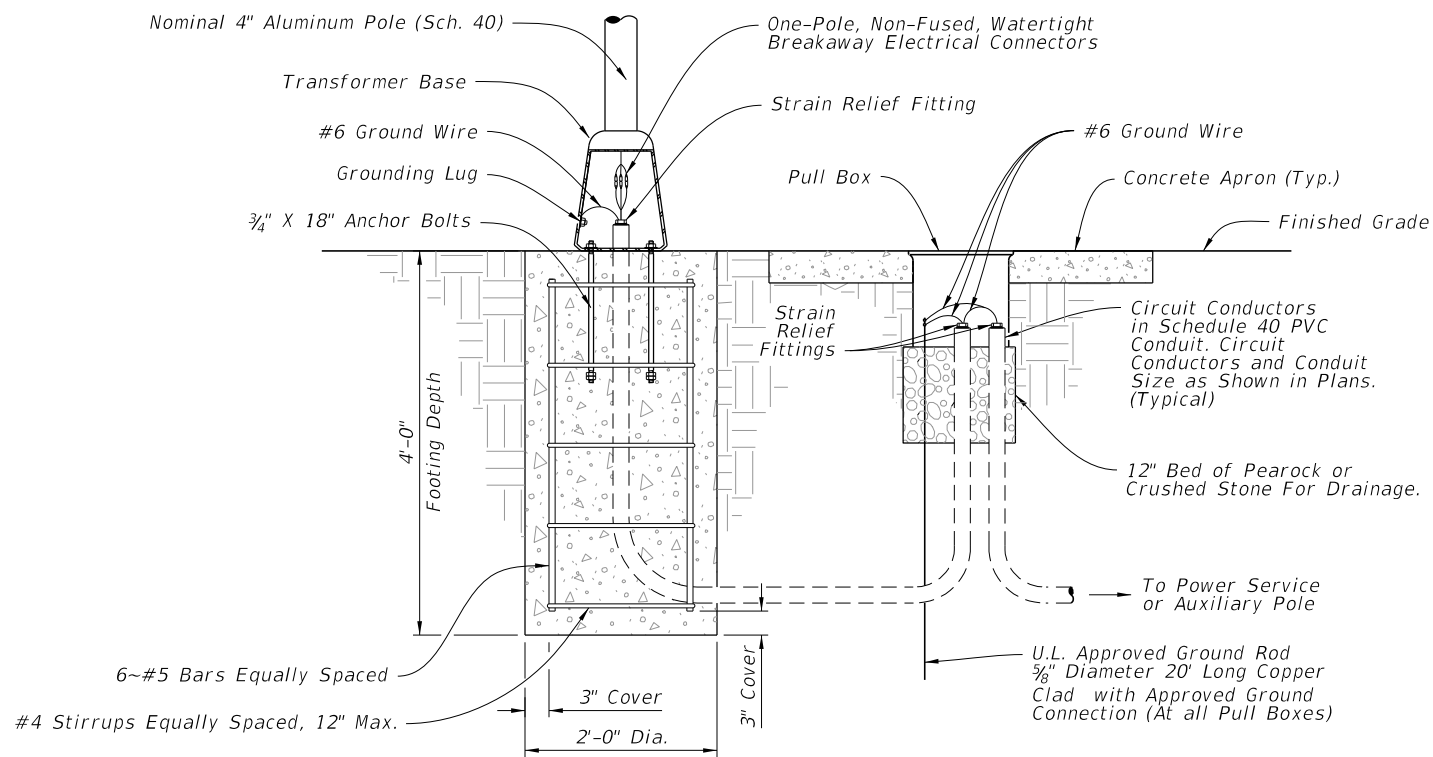
FY 2022-23
STANDARD PLANS

ENHANCED HIGHWAY SIGNING ASSEMBLIES

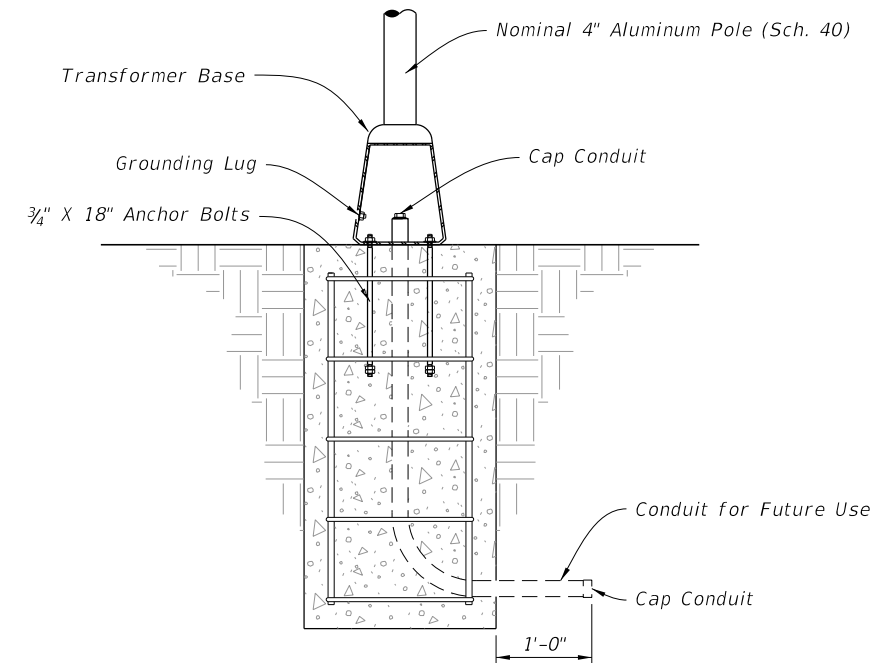
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10/22/2021 10:09:22 AM



DETAIL "A"



DETAIL "B"

CONDUIT, WIRING, AND FOUNDATION DETAILS

LAST REVISION	DESCRIPTION:
11/01/21	

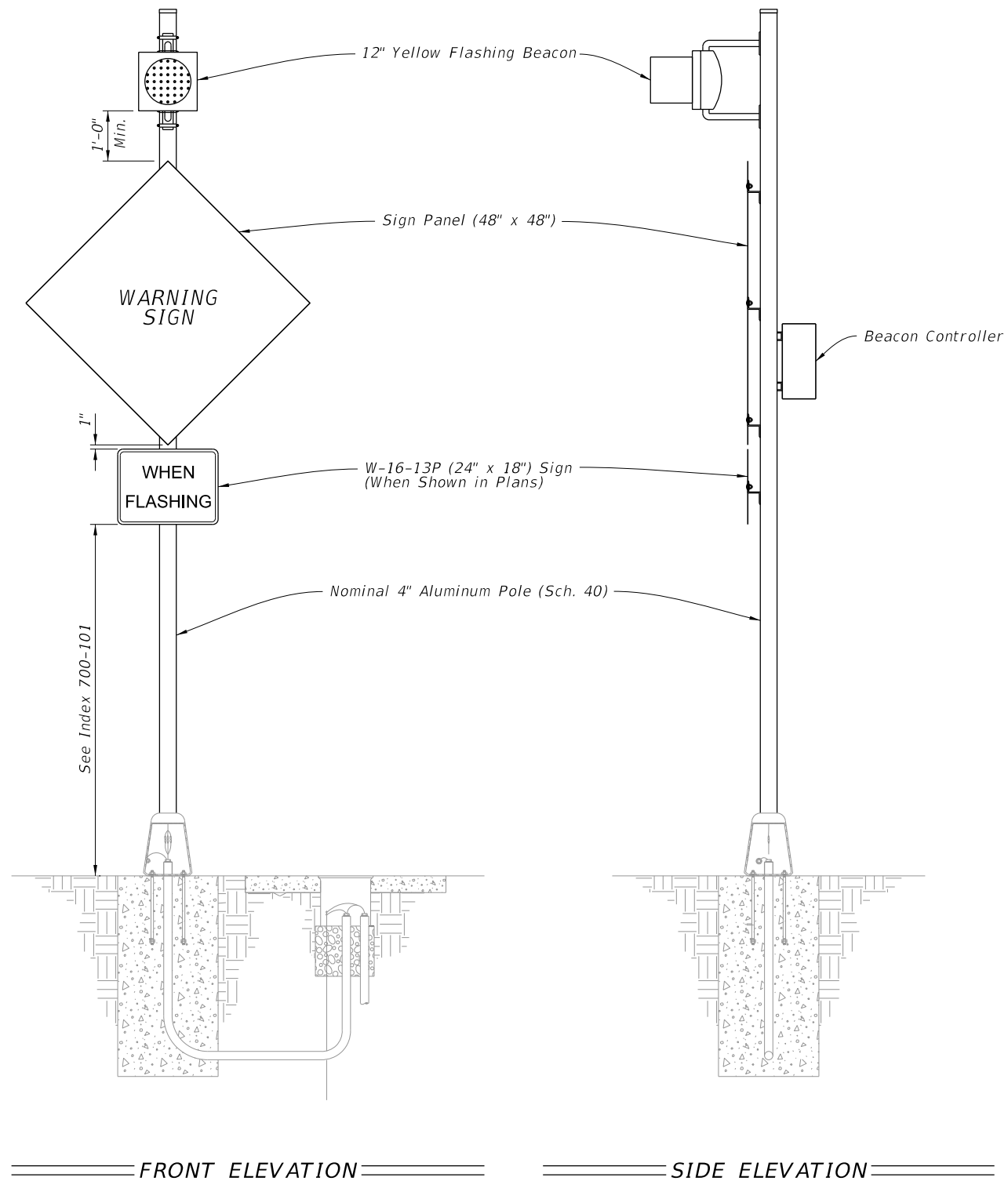


FY 2022-23
STANDARD PLANS

ENHANCED HIGHWAY SIGNING ASSEMBLIES

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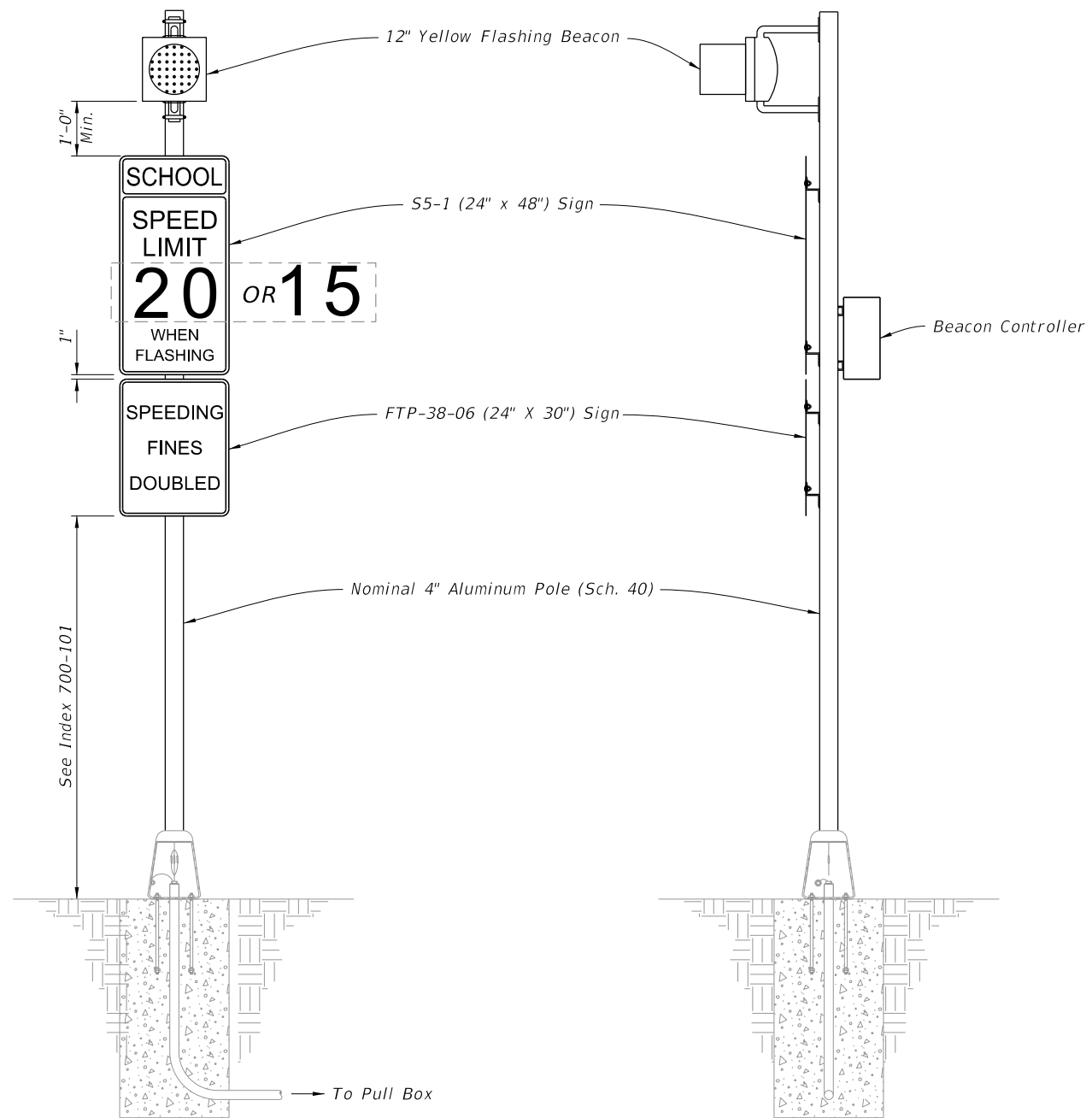
NOTES:

1. Type A1 Assembly (conventionally-powered) is shown. Type B1 Assemblies (solar-powered) similar.
2. Foundation reinforcement not shown.

10/22/2021 10:09:25 AM

ROADSIDE SIGN ASSEMBLY-1

LAST REVISION 11/01/21	REVISION	DESCRIPTION:	 FY 2022-23 STANDARD PLANS	ENHANCED HIGHWAY SIGNING ASSEMBLIES	INDEX 700-120	SHEET 3 of 11
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FRONT ELEVATION


SIDE ELEVATION

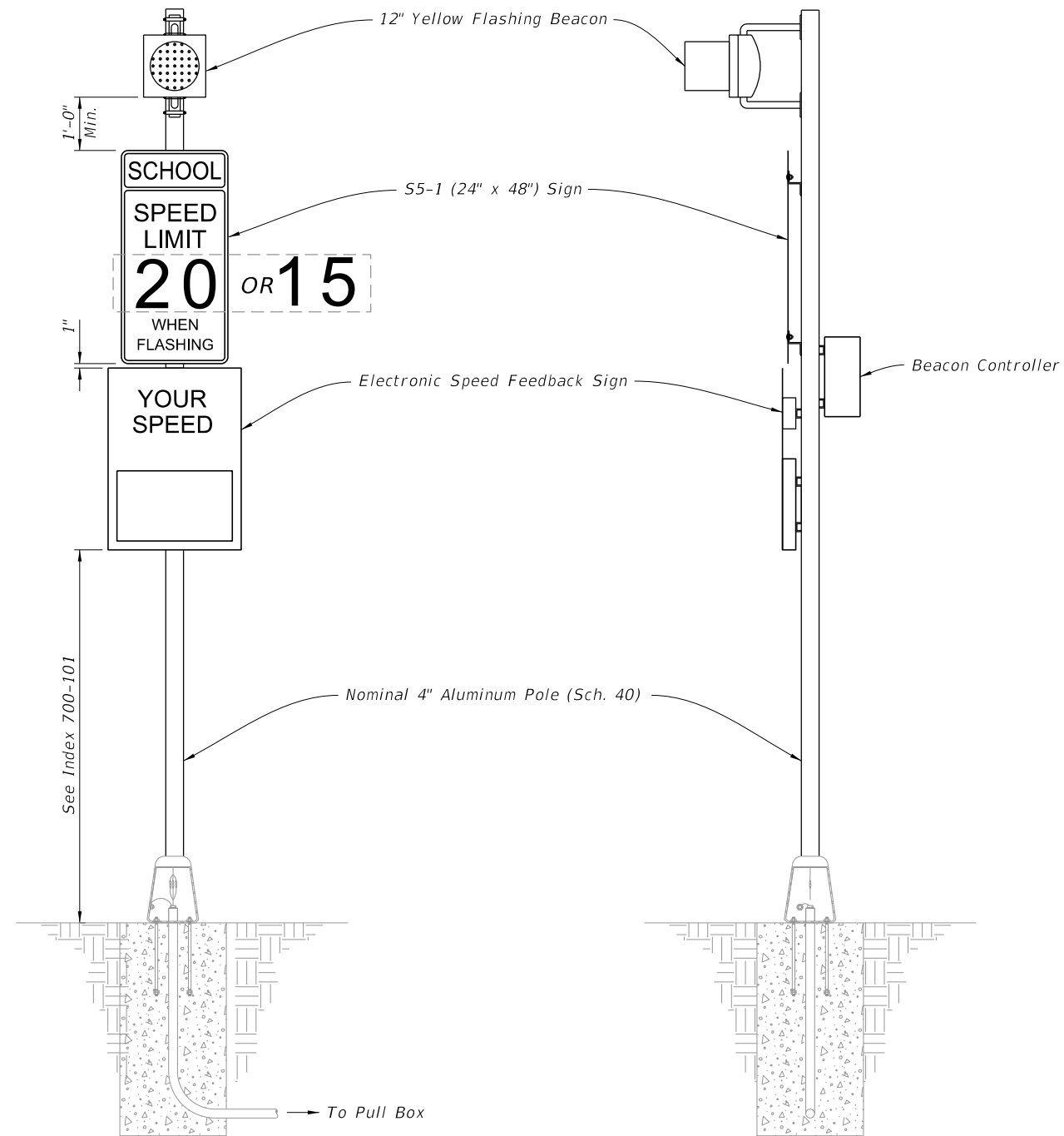
NOTES:

- 1. Type A2 Assembly (conventionally-powered) is shown. Type B2 Assemblies (solar-powered) similar.
- 2. Foundation reinforcement not shown.

10/22/2021 10:09:29 AM

ROADSIDE SIGN ASSEMBLY-2

LAST REVISION 11/01/21	REVISION	DESCRIPTION:	 FY 2022-23 STANDARD PLANS	ENHANCED HIGHWAY SIGNING ASSEMBLIES	INDEX 700-120	SHEET 4 of 11
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FRONT ELEVATION

SIDE ELEVATION

NOTES:

1. Type A3 Assembly (conventionally-powered) is shown. Type B3 Assemblies (solar-powered) similar.
2. Use electronic speed feedback sign with 15" high numerals for posted speed of 45 mph or less, and 18" high numerals for posted speeds greater than 45 mph.
3. Foundation reinforcement not shown.

10/22/2021 10:09:32 AM

ROADSIDE SIGN ASSEMBLY-3

LAST REVISION 11/01/21	REVISION	DESCRIPTION:
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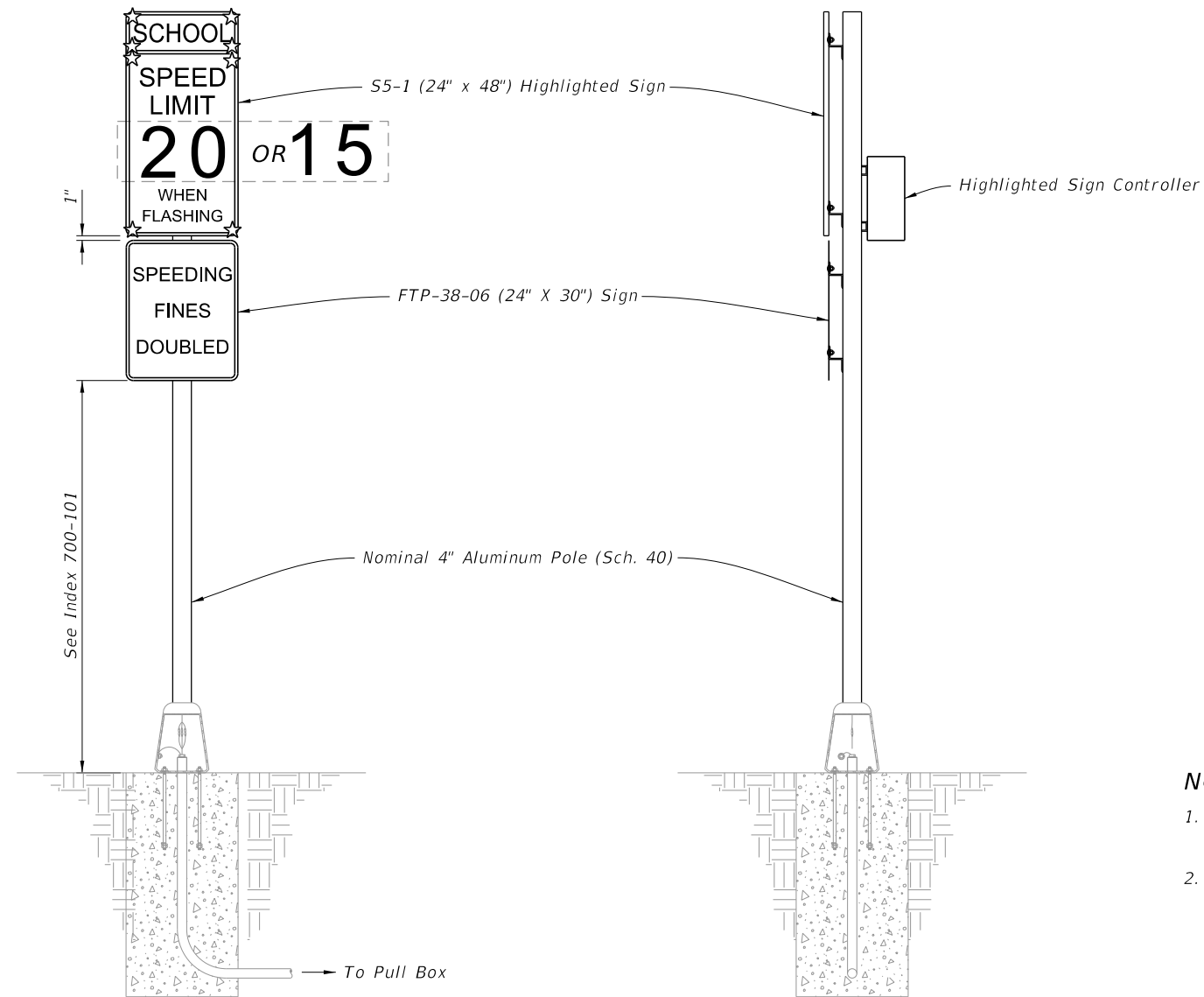
FY 2022-23
STANDARD PLANS

ENHANCED HIGHWAY SIGNING ASSEMBLIES

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10/22/2021 10:09:36 AM



FRONT ELEVATION

SIDE ELEVATION

NOTES:

1. Type A4 Assembly (conventionally-powered) is shown. Type B4 Assemblies (solar-powered) similar.
2. Foundation reinforcement not shown.

ROADSIDE SIGN ASSEMBLY-4

LAST REVISION 11/01/21	REVISION	DESCRIPTION:
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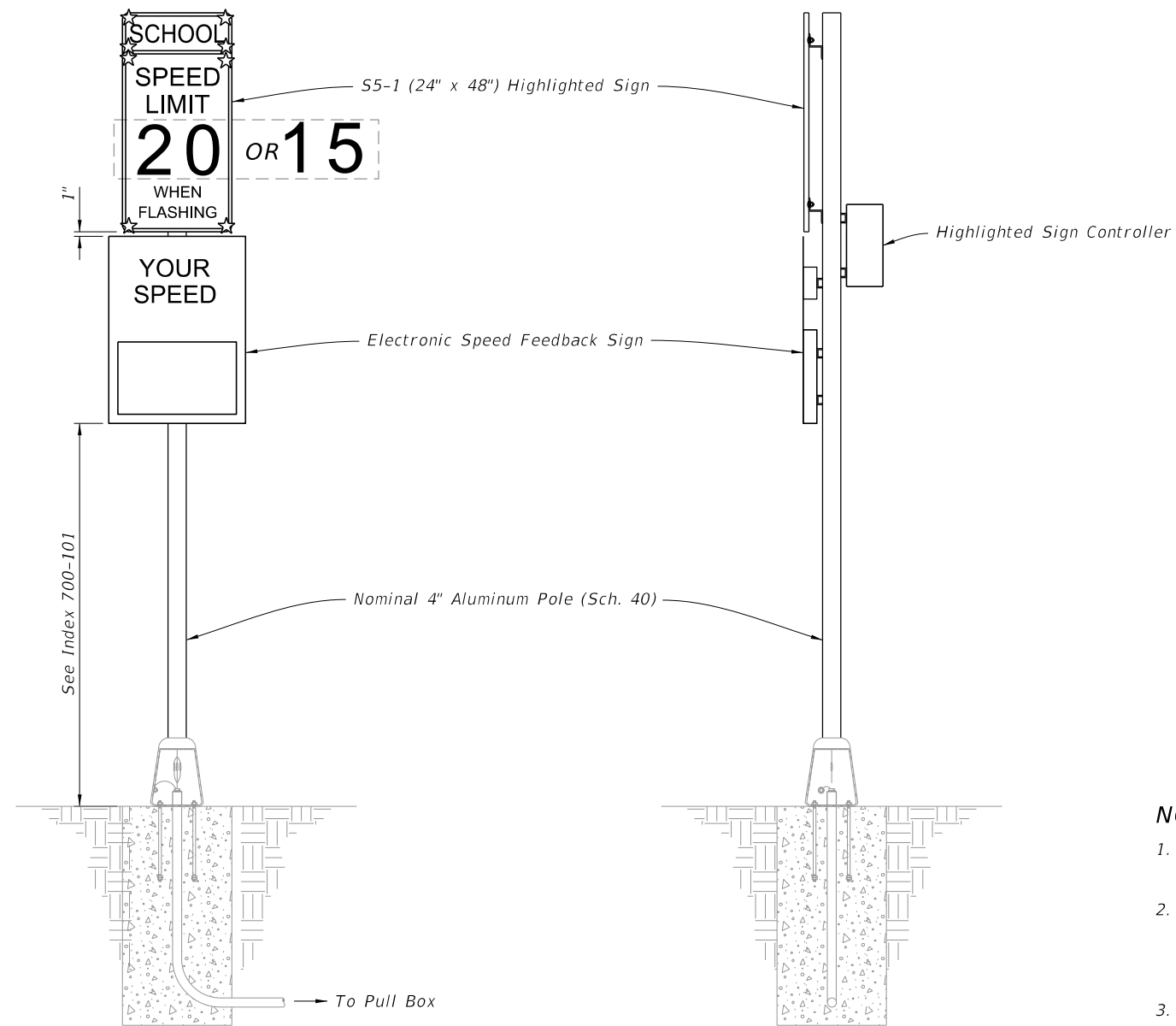


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==== FRONT ELEVATION ====

==== SIDE ELEVATION ====

NOTES:

1. Type A5 Assembly (conventionally-powered) is shown. Type B5 Assemblies (solar-powered) similar.
2. Use electronic speed feedback sign with 15" high numerals for posted speed of 45 mph or less, and 18" high numerals for posted speeds greater than 45 mph.
3. Foundation reinforcement not shown.

10/22/2021 10:09:40 AM

ROADSIDE SIGN ASSEMBLY-5

LAST REVISION 11/01/21	REVISION	DESCRIPTION:
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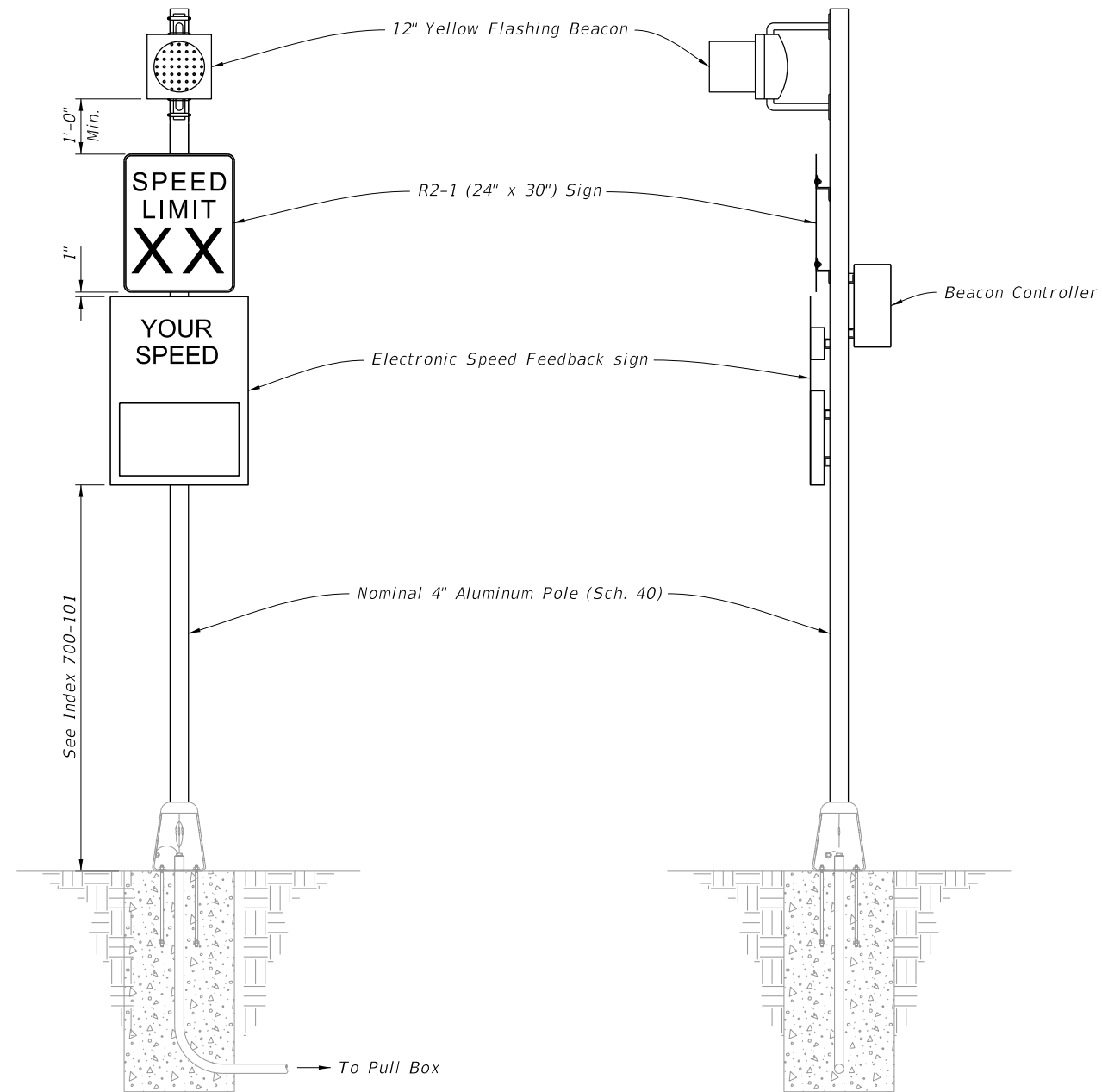


FY 2022-23
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ENHANCED HIGHWAY SIGNING ASSEMBLIES

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FRONT ELEVATION

SIDE ELEVATION

NOTES:

1. Type A6 Assembly (conventionally-powered) is shown. Type B6 Assemblies (solar-powered) similar.
2. Use electronic speed feedback sign with 15" high numerals for posted speed of 45 mph or less, and 18" high numerals for posted speeds greater than 45 mph.
3. Foundation reinforcement not shown.

10/22/2021 10:09:43 AM

ROADSIDE SIGN ASSEMBLY-6

LAST REVISION 11/01/21	REVISION	DESCRIPTION:
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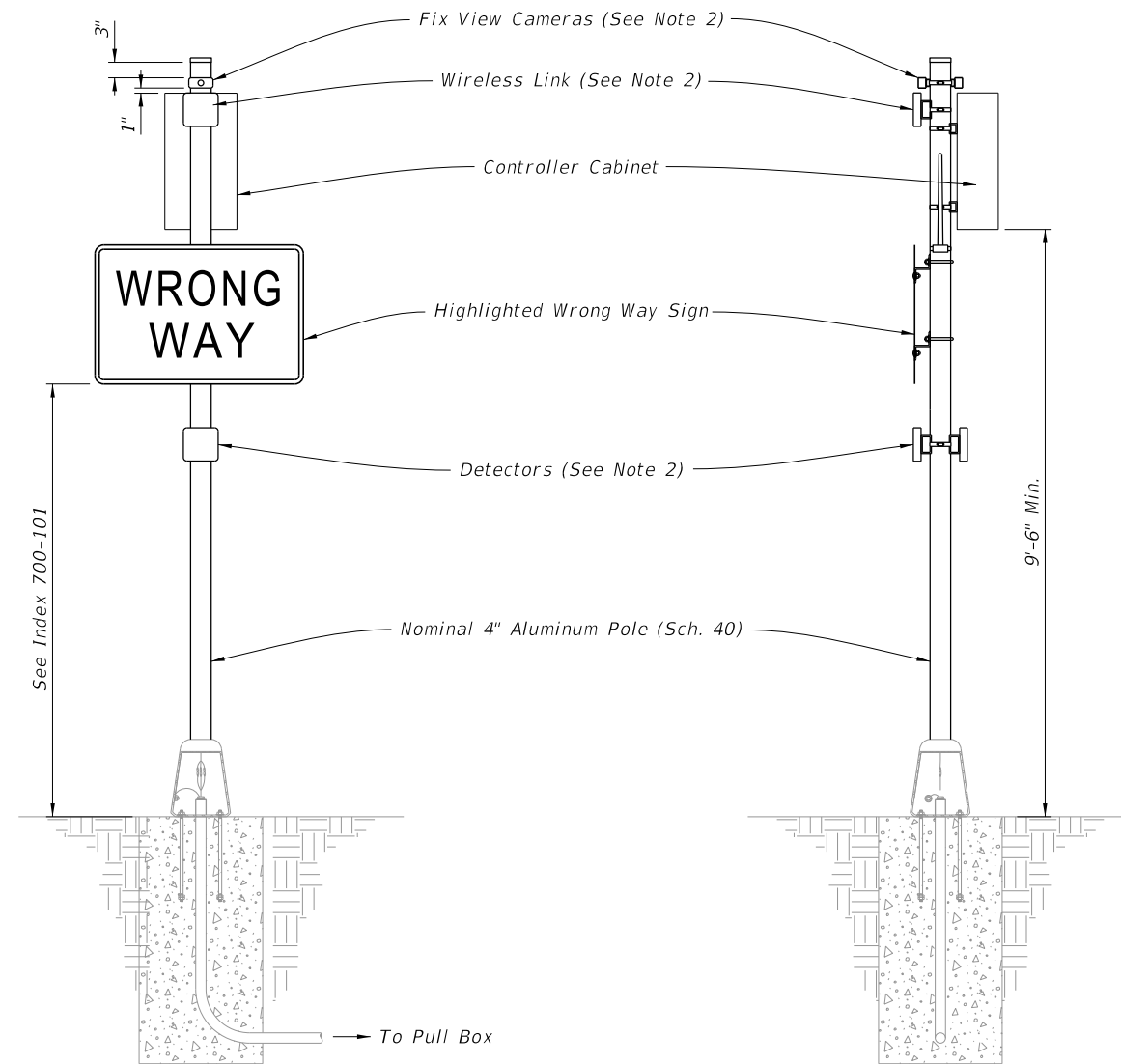
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ENHANCED HIGHWAY SIGNING ASSEMBLIES

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10/22/2021 10:09:47 AM



FRONT ELEVATION

SIDE ELEVATION

NOTES:

1. Type A7 Assembly (Conventionally-Powered) is shown.
2. Install cameras, wireless link, detectors, and antennas in accordance with the manufacturer's instructions.
3. For solar powered assemblies, install controller and batteries in the same ground mounted cabinet. Install a separate pole for mounting the solar panel. Install the solar panel pole and cabinet as close to the right of way boundary as possible. Orient solar panel to face South.
4. Foundation reinforcement not shown.

ROADSIDE SIGN ASSEMBLY-7

LAST REVISION 11/01/21	REVISION	DESCRIPTION:
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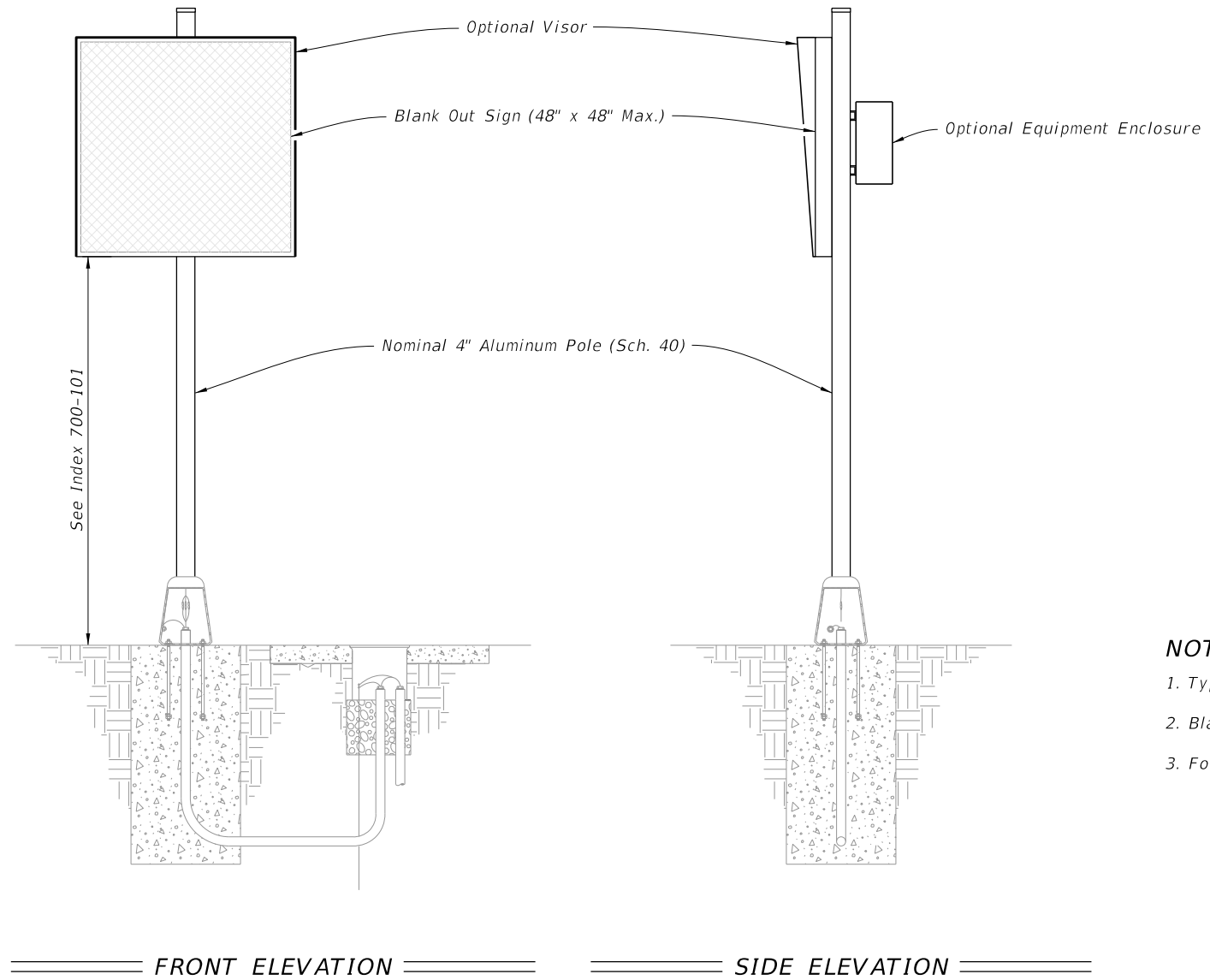
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10/22/2021 10:09:50 AM



NOTES:

- 1. Type A1 Assembly (conventionally-powered) is shown.
- 2. Blank Out Sign visors are optional.
- 3. Foundation reinforcement not shown.

ROADSIDE SIGN ASSEMBLY-8

LAST REVISION 11/01/21	REVISION	DESCRIPTION:
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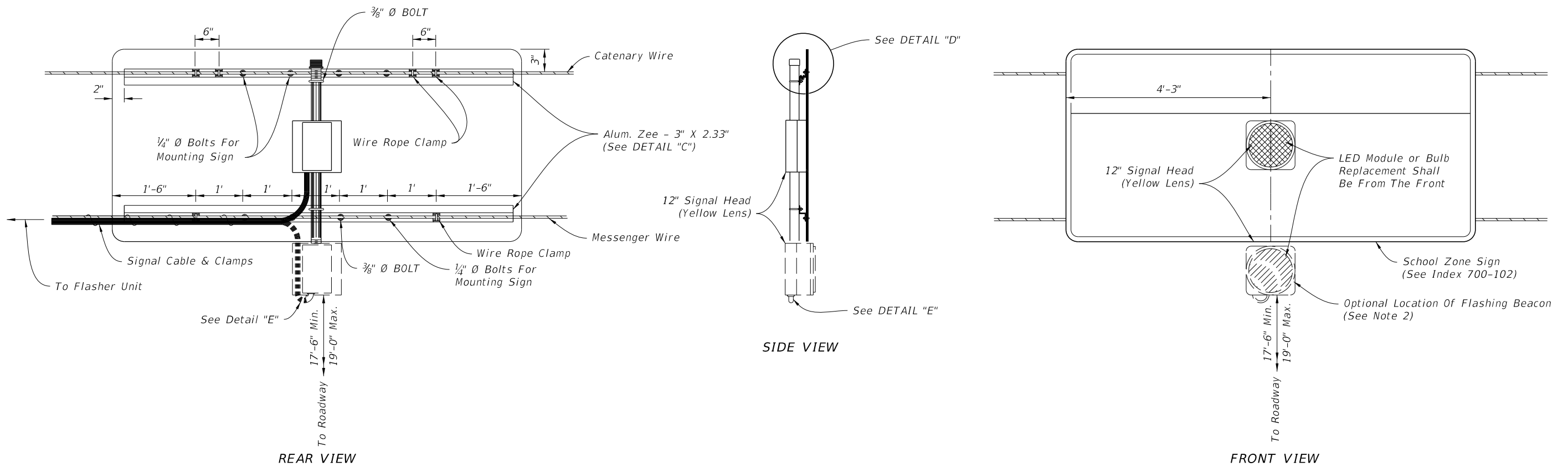


FY 2022-23
STANDARD PLANS

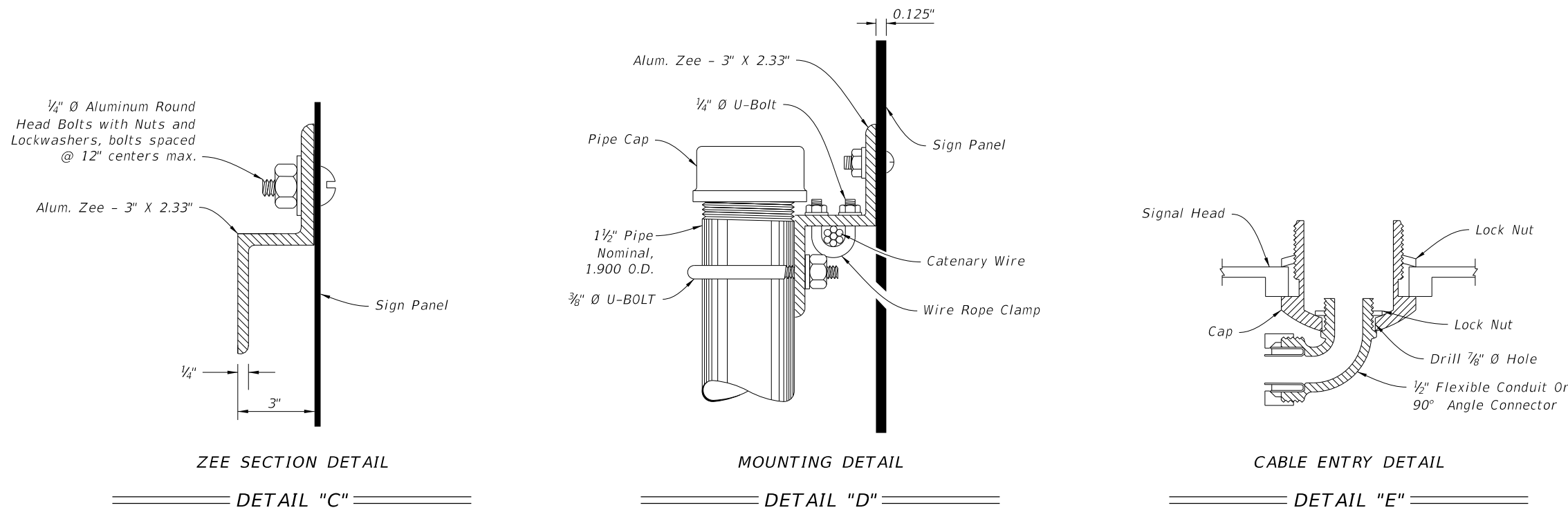
ENHANCED HIGHWAY SIGNING ASSEMBLIES

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OVERHEAD SCHOOL SIGN ASSEMBLY



NOTES:

1. Flasher unit and cabinet to be placed on the strain pole supporting overhead sign assembly or on service pole. The flasher unit not to overhang private property or sidewalk.
2. Optional flashing beacon will be called for in the Plans. They may be placed within or below the panel, or face to the rear.

OVERHEAD SIGN ASSEMBLY

10:09:53 AM
10/22/2021

LAST REVISION 11/01/21	DESCRIPTION:		FY 2022-23 STANDARD PLANS	ENHANCED HIGHWAY SIGNING ASSEMBLIES	INDEX	SHEET
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RFI 001 FOUNDATION CLARIFICATION

RFI 001-CEI

From: Jacki Hart, PE RS&H 17 Ships Way Big Pine Key, FL 33043 email: Jacki.hart@rsandh.com		To: Ryan Stachurski City of Key West email: ryan.stachurski@cityofkeywest-fl.gov Phone: (561) 436 2860	
Project Name: Final Mile Bike Facilities 446126-1-58-01 Contract G2722		Receipt Logged:	
Submitted By: RS&H Jacki Hart, PE	Date: 4/19/2023	DWG/Spec no./Revision/Detail/Sec. No. Plan sheets 52-53 Standard Plans 700-120, PG 1-2	
Subject: Foundation detail/Grounding:payitem 700-120-12 Transit Stop Lighting			
<p>The plans detail a foundation with only 1'x1' of concrete foundation and do not identify the class of concrete or strength. This foundation detail does not meet the required foundation or grounding called for in the FDOT project specifications and the Standard Plans Index 700-120. The pole is specified to be 13 feet above ground and is mounted with a solar panel, light fixture, battery box, and a sign. Generally, even a standard chain link fence here in Monroe county requires 2 feet of concrete for the pole foundation. Prior to installing this pole, I would like to confirm that the foundation is simply 1'x1' concrete and that grounding is not required. I have attached the standard FDOT foundation and the plan sheets for your reference.</p>			
Engineering Dept. Review			
Solution: A revised plan sheet was issued by the EOR to follow FDOT Standard Plans.			

TRANSIT STOP LIGHTING SYSTEM DETAIL (FLAGGING DEVICE)

BATTERY ASSEMBLY

MAINTENANCE-FREE GEL-CELL BATTERIES
NEMA 3R VENTED ALUMINUM BATTERY BOX WITH LOCK
WELDED BACK MOUNTING CHANNEL
PLUG AND PLAY WIRING
THROUGH POLE WIRING FOR NO EXPOSED WIRING
NON-SPILLABLE

BATTERY SPECIFICATIONS

BULK CHARGE	MAX CURRENT	30% OF 20 HR RATE
ABSORPTION (REGULATION)	CONSTANT VOLTAGE	2.35 - 2.40 VPC
FLOAT CHARGE	CONSTANT VOLTAGE	2.25 VPC +/- 0.01
EQUALIZE CHARGE	CONSTANT VOLTAGE	2.4 - 2.43
TEMPERATURE COEFFICIENT		.003 V/°C

INTERVAL TIMER & SWITCH

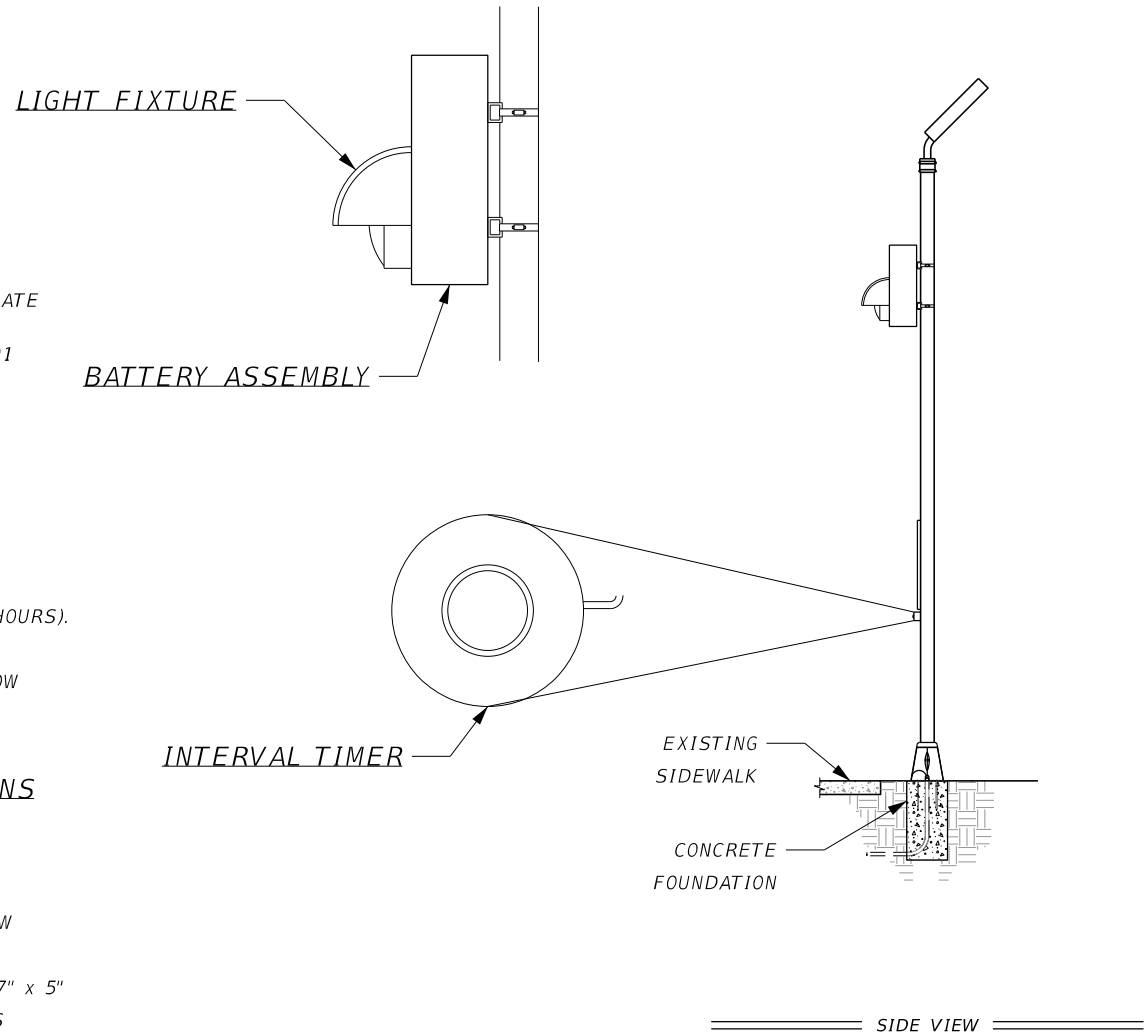
HIGH QUALITY AND VANDAL RESISTANT SWITCH.
WHEN THE DOT-STYLE PEDESTRIAN BUTTON IS PUSHED THE LIGHT
FIXTURE(S) COME ON FOR THE TIME SPECIFIED (FROM 10 SECONDS TO 10 HOURS).
20' LEAD-IN CABLE AND TWO STAINLESS STEEL BOLTS ARE PROVIDED.
EASY-INSTALL SWITCH AND THE CABLE CAN BE ROUTED UP INSIDE A HOLLOW
POLE OR OUTSIDE OF A SOLID POLE.

LIGHT FIXTURE

SOLID-STATE LED LIGHT SOURCE
12 VDC ELECTRONIC DIMMING DRIVERS
DIE-CAST ALUMINUM HOUSING
POLYESTER FINISH
* PLATINUM SILVER, GRAY,
DARK BRONZE, BLACK, AND WHITE
MULTIPLE LIGHT DISTRIBUTIONS
CCT, 3K, 4K, 5K

LIGHT SPECIFICATIONS

WATTAGE	10
DISTRIBUTION	TYPE 4
COLOR	4000K
LUMENS	135 LPW
FINISH	TBD
DIMENSIONS	9.7" x 7" x 5"
WEIGHT	6.5 LBS



NOTE: FOR FOUNDATION DETAIL, REFER TO FDOT STANDARD PLAN INDEX 700-120

<p>ENGINEER OF RECORD: BRIAN WILSON, P.E. #49347</p> <p>KCI TECHNOLOGIES, INC.</p> <p>1425 W CYPRESS CREEK RD., SUITE 101 FORT LAUDERDALE, FLORIDA 33309-2132 (954) 839-6702</p>	<p>CITY OF KEY WEST</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 25%;">ROAD NO.</th> <th style="width: 25%;">COUNTY</th> <th style="width: 50%;">FINANCIAL PROJECT ID</th> </tr> <tr> <td></td> <td style="text-align: center;">MONROE</td> <td style="text-align: center;">446126-1-58-01</td> </tr> </table>	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		MONROE	446126-1-58-01	<p>SPECIAL DETAILS</p>	<p>SHEET NO.</p> <p style="font-size: 1.2em;">53</p>
ROAD NO.	COUNTY	FINANCIAL PROJECT ID							
	MONROE	446126-1-58-01							