

INDIAN RIVER COUNTY – TRAFFIC SIGNAL GENERAL NOTES
REV 7.0 2-11-22

A. POWER SERVICE

- 1. POWER SERVICES SHALL FOLLOW THE LATEST STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARD INDEX NO. 17504, 17736
- 2. SERVICE BREAKER BOX SHALL BE SQUARE-D MODEL #QO24L70RB, OR APPROVED EQUIVALENT.
- 3. POWER SERVICES ARE TO BE 120/240 VAC WITH TRIPLEX SERVICE DROP WIRE WITH TWO BLACK AND ONE WHITE CABLE FROM SERVICE DISCONNECT TO POWER SERVICE CONNECTION POINT.
- 4. ALL ABOVE GROUND CONDUIT SHALL BE HD GAVINIZED OR ALUMINUM.
- 5. MAST ARM POWER SERVICES SHALL BE MOUNTED ON A STUB POLE.
- 6. UNDERGROUND POWER SERVICE SHALL HAVE A LOAD PULL BOX AND A SEPARATE LINE PULL BOX AT THE SERVICE POINT.
- 7. CONCRETE STRAIN POLE INSTALLATIONS SHOULD HAVE THE POWER SERVICE MOUNTED ON THE STRAIN POLE.

B. TRAFFIC SIGNAL CONTROLLER

- 1. SHALL BE COMPATIBLE WITH ECONOLITE SYSTEM SOFTWARE.
- 2. SHALL HAVE INTERNAL TIME-BASED CAPABILITIES
- 3. SHALL HAVE INTERNAL RAILROAD PREEMPTION WITH IMMEDIATE RETURN TO COORDINATION.

C. TRAFFIC SIGNAL COMMUNICATIONS INTERCONNECT

NOTE: VARIANCE TO COMMUNICATION INTERCONNECT DUE TO DESIGN CRITERIA WOULD REQUIRE PRIOR APPROVAL FROM INDIAN RIVER COUNTY.

- 1. TWO 2” CONDUITS SHALL BE INSTALLED WITH ALL INTERCONNECT RUNS.
- 2. PULL BOXES CONTAINING INTERCONNECT ARE TO BE INSTALLED AT NO MORE THAN 1000 FOOT INTERVALS MARKED “TRAFFIC SIGNAL” (FDOT DESIGN STANDARD INDEX 17700).
- 3. FIBER OPTIC INTERCONNECT RUNS SHALL HAVE A SLACK/SPLICE BOX AT ALL SIGNALIZED INTERSECTIONS MARKED “FIBER OPTICS”. SLACK/SPLICE BOXES SHALL CONTAIN A MINIMUM OF 100 FEET OF FIBER OPTIC CABLE SLACK (FDOT DESIGN STANDARD 635-001) AND SHALL BE LOCATED AT NO MORE THAN 1/2-MILE INTERVALS.
- 4. FIBER OPTIC CABLE SHALL BE 96-FIBER SINGLE MODE. A #14 AWG (OR IRC-APPROVED ALTERNATIVE) TRACE WIRE SHALL BE INSTALLED WITH THE FIBER RUN.
- 5. THE CONNECTION FROM THE SLACK/SPLICE BOX TO THE SIGNAL CABINET (PIG TAIL) SHALL BE A 12-FIBER SINGLE MODE CABLE. FIBER IN THE CABINET SHALL BE TERMINATED IN A FIBER OPTIC TERMINAL PANEL. THE FIBER CABLE SHALL NOT BE RUN BEHIND SHELVING.
- 6. IN THE CABINET, DATA CONVERSION WILL BE ACCOMPLISHED WITH EXTREME NETWORKS MODEL 1SW 4-10/100P, 2-10/100T, 2-SFP GIGABIT ETHERNET SWITCH AND HARDENED NETWORKS ITS80-BP EXTERNAL BYPASS SWITCH OR IRC-APPROVED EQUIVALENT.
- 7. RADIO LINK SHOULD BE ECONOLITE INTUICOM RADIO ACCESS POINT OR REMOTE STATION. INCLUDES MOUNTING HARDWARE, PoE INJECTOR OR APPROVED EQUIVALENT.

D. TRAFFIC SIGNAL MAST ARM

- 1. MAST ARMS SHALL FOLLOW THE LATEST STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS INDEX NO. 17743, 17745.
- 2. ALL MAST ARM POLES SHALL HAVE LUMINAIRES, BARRING OBSTRUCTIONS OR DESIGN CRITERIA. EACH LUMINAIRE SHALL BE PHOTO CELL CONTROLLER AND NOT POWERED THROUGH SIGNAL CABINET. WIRING SHALL BE #10 AWG OR LARGER SIZE AWG. LUMINAIRE CASING SHALL HAVE AN I.R.C. SUPPLIED STICKER ADHEARED TO THE CASING.
- 3. MAST ARM POLES ARE TO HAVE A TERMINAL COMPARTMENT IN PLACE OF A HAND HOLE, PER STANDARD 649-031.
- 4. MAST ARM MOUNTING HEIGHT (MEASUREMENT UB INDEX NO. 17743) SHALL BE 19-FEET FOR HORIZONTAL AND 20- FEET FOR VERTICAL MOUNTED SIGNALS, IN THE ABSENCES OF GEOMETRIC ABNORMALTIES.
- 5. ALL MAST ARMS SHALL BE GALVANIZED STEEL WITH FACTORY FINISHED U.S. GOVERNMENT AMS-STD 595 #14066 (HIGHWAY GREEN) IN ACCORDANCE WITH FDOT.
- 6. EACH TERMINAL COMPARTMENT SHALL HAVE A 20 CIRCUIT AWG#14 TERMINAL BLOCK.
- 7. MAST ARMS ARE TO HAVE L.E.D. INTERNALLY-ILLUMINATED SINGLE-SIDED STREET NAME SIGNS WITH LOCAL STREET NAMES AND 1” WHITE BORDER. THE SIGNS SHALL BE CONTROLLED FROM A PHOTO CELL WITH IN THE SIGNAL CABINET THE SIGNS ARE NOT TO HAVE INDIVIUALL PHOTO CELL. THE SIGNS SHALL HAVE REMOVABLE L.E.D. TUBE WITH R17D-HO ENDS. THE STREET NAME SIGNS ARE TO BE MOUNTED WITH FIXED BRACKETS ON THE ARM BETWEEN THE POLE AND THE FIRST TRAFFIC SIGNAL.

E. TRAFFIC SIGNAL POLES & SPAN WIRE

- 1. POLES SHALL FOLLOW THE LATEST STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARD INDEX NO. 17725.
- 2. STRAIN POLES SHALL HAVE L.E.D., COBRA HEAD STYLE LUMINAIRES, BARRING OBSTRUCTIONS OR DESIGN CRITERIA. EACH LUMINAIRE SHALL BE PHOTO CELL CONTROLLER AND NOT POWERED THROUGH SIGNAL CABINET.
- 3. ALL ABOVE GROUND CONDUIT SHALL BE HD GAVINIZED.
- 4. BOTH UPPER AND LOWER SPAN SHALL BE NO LESS THAN 3/8 INCH CABLE WIRE.
- 5. THE SIGNAL CABLE SHALL BE ATTACHED TO THE MESSENGER WIRE BY LASHING RODS.

F. TRAFFIC SIGNAL HEADS

- 1. TRAFFIC SIGNALS MOUNTED ON SPAN CABLE ARE TO BE LIGHTWEIGHT MCCAIN SIGNAL, (RED SECTION TO BE ALUMINUM AND ALL OTHER SECTIONS TO BE POLY PLASTIC), 12 INCH INDICATIONS.
- 2. TRAFFIC SIGNALS MOUNTED ON MAST SUPPORTS ARE TO BE ALL AUMIMUM MCCAIN SIGNAL 12-INCH INDICATIONS. THE MOUNTING SHALL BE HORIZONTAL USING PELCO ASTRO BRAC OR IRC-APPROVED EQUIVALENT. SPAN MOUNT SIGNALS ARE TO BE MOUNTED VERTICAL. ALL VEHICLE SIGNAL HEADS ARE TO HAVE RETRO-RELFECTIVE BACK PLATES.
- 3. TRAFFIC SIGNALS ARE TO BE SUPPLIED WITH ALL L.E.D. INDICATIONS, INCLUDING ALL ARROWS AND YELLOWS.
- 4. TRAFFIC SIGNALS ARE TO BE SUPPLIED WITH TUNNEL VISORS.
- 5. TRAFFIC SIGNALS AND ASSOCIATED ACCESSORIES, INCLUDING BUT NOT LIMITED TO BACKPLATES SHALL BE MCCAIN.
- 6. PEDESTRIAN SIGNALS ARE TO BE COUNT DOWN PEDESTRIAL SIGNALS WITH INTERNATIONAL-STYLE HAND/MAN (SYMBOLS) WITH FULL (NOT OUTLINE) L.E.D. INDICATIONS. EACH CORNER WILL BE FED WITH ONE SEVEN CONDUCTOR CABLE FOR PEDESTRIAN SIGNAL HEAD AND ONE FOUR CONDUCTOR CABLE FOR PEDESTRIAN DETECTOR.THESE CABLES WILL RUN FROM PEDESTRIAN SIGNAL AND DETECTOR DIRECTLY TO CONTROLLER BOX. (NO SPLICES). PEDESTRIAN DETECTOR SIGNS ARE TO BE R10-3I.

G. VIDEO DETECTORS

- 1. VIDEO DETECTION SYSTEM SHALL BE TRAFISENSE2 632 FLIR OR IRC-APPROVED EQUIVALENT.

H. VIDEO SURVEILLANCE

- 1. VIDEO CAMERAS SHALL BE AXIS Q6075-E PTZ DOME NETWORK CAMERA WITH SURGE PROTECTOR, LATEST TECHNOLOGY OR IRC-APPROVED EQUIVALENT.

I. BATTERY BACK-UP

- 1. BATTERY BACKUP SYSTEM IS TO BE USED ON ALL INSTALLATIONS UNLESS OTHERWISE STATED.
- 2. BATTERY BACKUP SHALL BE MYERS UPS SYSTEM MP2000E-TB WITH STANDING CABINET, EXTERNAL GENERATOR PLUG, ETHERNET CARD.

ADDENDUM 2

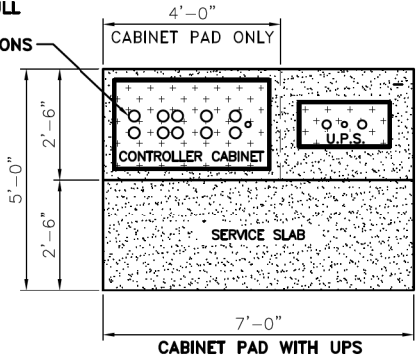
REVISIONS					Kimley»Horn	INDIAN RIVER COUNTY BOARD OF COUNTY COMMISSIONERS	INDIAN RIVER COUNTY TRAFFIC SIGNAL SPECIFICATIONS	SHEET NO.
		DESCRIPTION	DATE	BY				
3/23/23	MCF	BID ADDENDUM No. 2			BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 REGISTRY No. 35106	66th AVENUE FROM 69th STREET TO SR-510/85th STREET		T-4

E:\Traffic Division\Traffic Signal Coordination\Design Info\Specifications\Source Code\IRC TRAFFIC ENGINEERING TYPICAL GENERAL NOTES FOR SIGNALIZATION IMPROVEMENTS 02-11-2022.docx

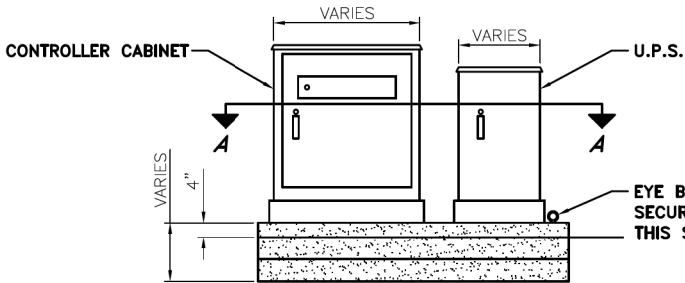
1505B
IR.CO. Proj. No.
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

- NOTES:
1. THIS DETAIL SHEET SUPPLEMENTS FDOT STANDARD PLANS INDEX 676-010.
 2. LOW AREAS MAY REQUIRE A CABINET EXTENSION. VARIATIONS WILL BE NOTED ON THE SIGNAL PLAN.
 3. CABINET PAD DIMENSIONS ASSUME A 26"x44" CONTROLLER CABINET AND A 16"x23" U.P.S. CONFIRM EQUIPMENT AND CABINET PAD SIZE.

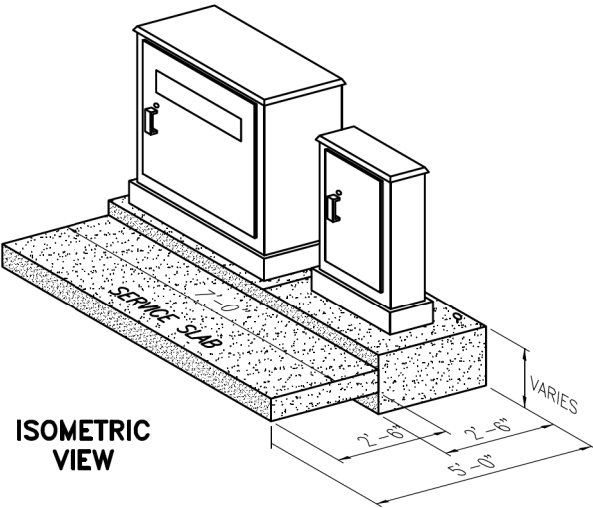
SEE STANDARD TYPICAL PULL BOX AND CONDUIT LAYOUT PLAN FOR CONDUIT LOCATIONS



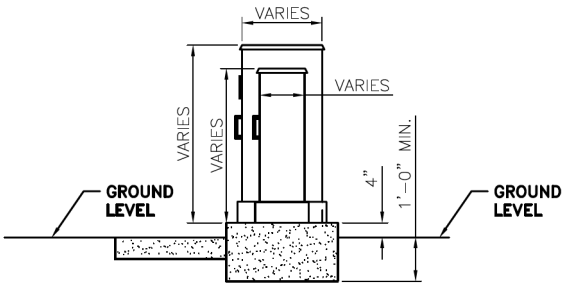
SECTION A-A &
TOP VIEW OF PAD



FRONT VIEW



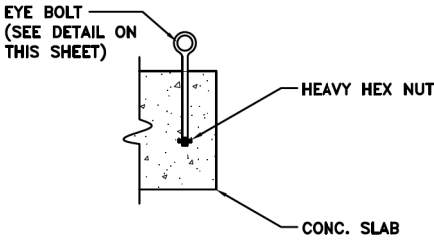
ISOMETRIC
VIEW



RIGHT-SIDE VIEW

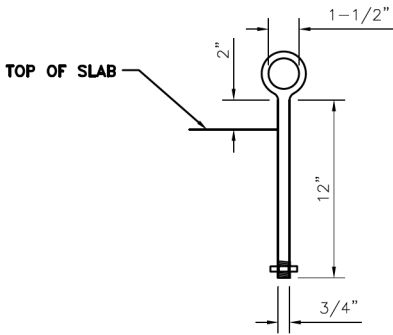
GROUND MOUNT CONTROLLER CABINET
NOT TO SCALE

- NOTES:
1. EYE BOLTS SHALL HAVE A 1-1/2" INSIDE DIAMETER AND 3/4" SHANK DIAMETER AND MEET THE REQUIREMENTS OF FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 634-2.3 HARDWARE AND FITTINGS.



STRAIGHT BOLT

DETAIL OF STRAIGHT EYE BOLT
FOR GENERATOR SECURITY
NOT TO SCALE

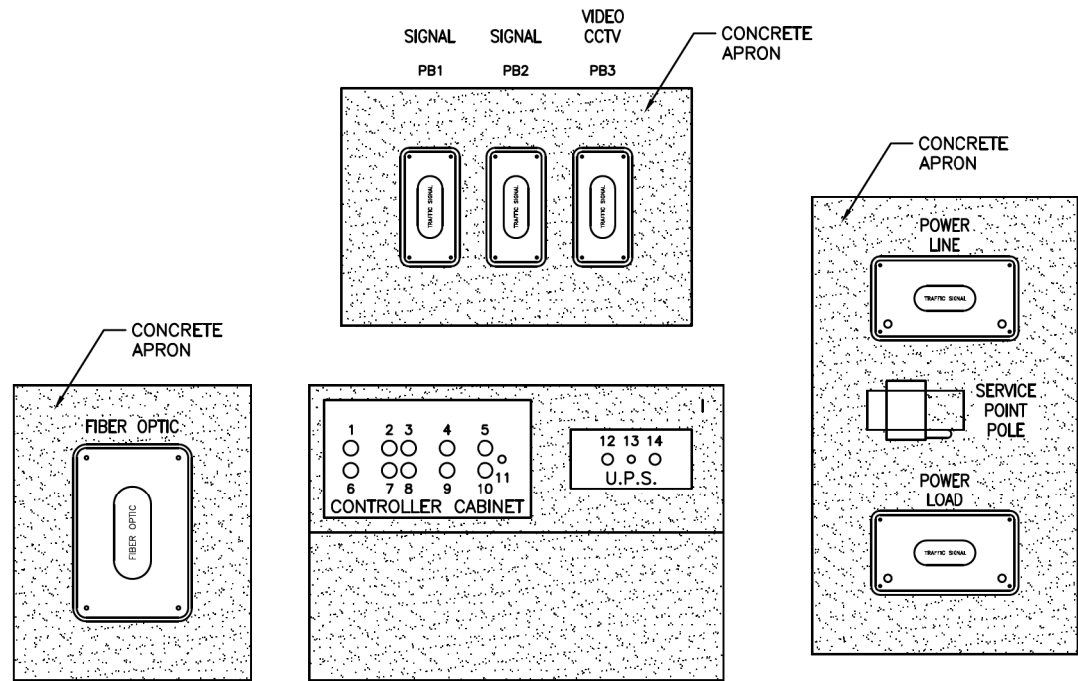


DETAIL OF
STRAIGHT EYE BOLT
NOT TO SCALE

ADDENDUM 2

No.	Revision	Date	By	INDIAN RIVER COUNTY	DESIGNED BY: E. FERGUSON, P.E.	ENGINEER OF RECORD: E. FERGUSON, P.E.	CABINET FOUNDATION
				1801 27th STREET VERO BEACH, FL 32960 (772) 567-8000	DRAWN BY: K. P. HANSEN	FL REG. #62036	TRAFFIC STANDARD DETAILS
					APPROVED BY: E. FERGUSON, P.E.	DATE: 12/1/2021	

REVISIONS						Kimley»Horn	INDIAN RIVER COUNTY BOARD OF COUNTY COMMISSIONERS 66th AVENUE FROM 69th STREET TO SR-510/85th STREET	INDIAN RIVER COUNTY CABINET PAD DETAIL	SHEET NO. T-4B
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				
3/23/23	MCF	BID ADDENDUM No. 2				BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 REGISTRY No. 35106			



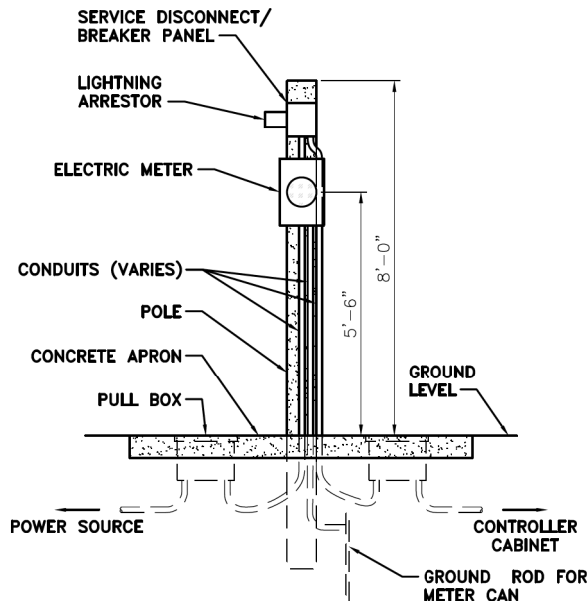
GROUND MOUNTED
CONTROLLER CABINET PAD
TOP VIEW

**TYPICAL PULL BOX AND
CONTROLLER CABINET CONDUIT LAYOUT
NOT TO SCALE**

- NOTES:**
1. PULL BOX LOCATIONS SHOWN ARE TO DENOTE THE TYPE AND QUANTITY.
SEE SIGNAL PLAN FOR PULL BOX LOCATIONS.
2. SEE FDOT STANDARD PLAN 635-001 FOR PULL BOX CONCRETE APRON.

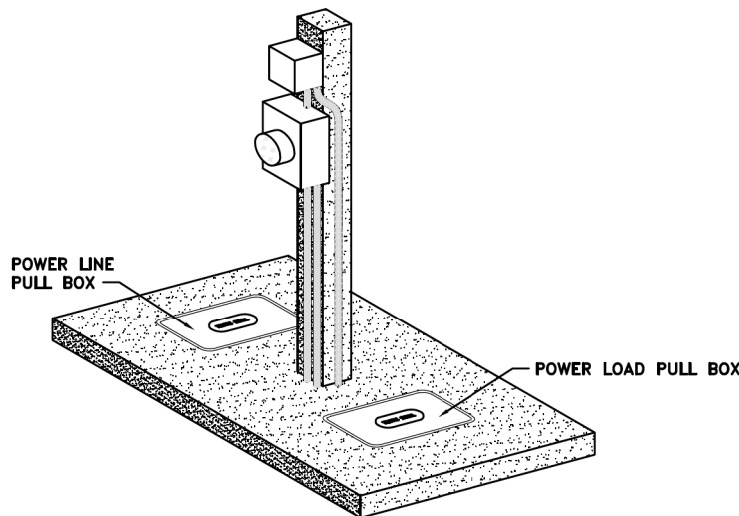
CONTROLLER CABINET PAD CONDUIT ROUTING			
CONDUIT	FROM	TO	NOTES
1	CONTROLLER CABINET	FIBER OPTIC PULL BOX	
2	CONTROLLER CABINET	PB1	
3	CONTROLLER CABINET	PB2	
4	CONTROLLER CABINET	PB3	
5	CONTROLLER CABINET	CONDUIT #12	POWER
6	CONTROLLER CABINET	FIBER OPTIC PULL BOX	
7	CONTROLLER CABINET	PB1	SPARE
8	CONTROLLER CABINET	PB2	SPARE
9	CONTROLLER CABINET	PB3	SPARE
10	CONTROLLER CABINET	POWER LOAD PULL BOX	SPARE
11	----	----	1/2" GROUND ROD
12	UPS	CONDUIT #5	POWER
13	----	----	1/2" GROUND ROD
14	UPS	POWER LOAD PULLBOX	

- NOTES:**
1. SEE FDOT STANDARD PLAN 639-001 FOR SERVICE POINT POLE DETAILS.
2. ELECTRICAL SERVICE CONNECTION TO BE SINGLE PHASE 3 WIRE 120/240 V.
3. SERVICE DISCONNECT/BREAKER PANEL SQUARE D MODEL #Q0247L70RB OR APPROVED EQUAL.
4. PANEL TO CONTAIN 30 AMP LUMINAIRE BREAKER AND 50 AMP CONTROLLER BREAKER.



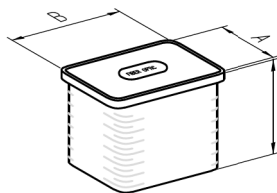
FRONT VIEW

**ELECTRICAL SERVICE POINT
NOT TO SCALE**



ISOMETRIC
VIEW

PULL BOX SIZES			
	A	B	C
FIBER OPTIC	24"	36"	24"
PB1	17"	30"	12"
PB2	17"	30"	12"
PB3	17"	30"	12"
POWER LINE	17"	30"	12"
POWER LOAD	17"	30"	12"



**PULL BOX SCHEMATIC
NOT TO SCALE**

ADDENDUM 2

No.	Revision	Date	By	INDIAN RIVER COUNTY	DESIGNED BY: E. FERGUSON, P.E.	ENGINEER OF RECORD: E. FERGUSON, P.E.	POWER SERVICE & CONTROLLER CABINET CONDUIT - TRAFFIC STANDARD DETAILS	
				1801 27th STREET VERO BEACH, FL 32960 (772) 567-8000	DRAWN BY: K. P. HANSEN	FL REG. #62036		
					APPROVED BY: E. FERGUSON, P.E.	DATE: 12/1/2021		

REVISIONS						Kimley»Horn <small>BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 REGISTRY No. 35106</small>	INDIAN RIVER COUNTY BOARD OF COUNTY COMMISSIONERS 66th AVENUE FROM 69th STREET TO SR-510/85th STREET	INDIAN RIVER COUNTY POWER SERVICE & CABINET CONDUIT	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				T-4C
3/23/23	MCF	ADDENDUM No. 2							

[illegible]

PAY ITEM FOOTNOTES

PAY ITEM NO. 101-1 – MOBILIZATION/DEMOBILIZATION

INCLUDES ALL NECESSARY EQUIPMENT INCLUDING A TWO PERSON BUCKET TRUCK FOR USE BY THE ENGINEER OR COUNTY REPRESENTATIVE DURING INSPECTION OF TRAFFIC SIGNAL.

PAY ITEM NO.102-1 – MAINTENANCE OF TRAFFIC

INCLUDES ALL COSTS ASSOCIATED WITH FURNISHING, INSTALLING MAINTAINING AND REMOVAL OF ALL ITEMS OF MAINTENANCE OF TRAFFIC NOT PAID FOR UNDER SEPARATE ITEMS.

PAY ITEM NO. 630-2-11 – CONDUIT (SIGNAL) (F&I) (OPEN TRENCH)

SHALL BE INSTALLED PER SECTION 630, OF FDOT’S STANDARD SPECIFICATIONS. ALL CONDUITS SHALL ENTER PULL BOXES AS REQUIRED IN FDOT STANDARD DESIGN INDEX 17700. ALL CONDUIT SHALL BE 2 INCH, SCHEDULE 40 PVC UNLESS SPECIFIED OTHERWISE IN THE PLANS OR SPECIFICATIONS. ALL SPARE CONDUITS SHALL ENTER THE SIGNAL CABLE PULL BOX UNLESS OTHER WISE STATED IN THE PLAN.

PAY ITEM NO. 630-2-12 – CONDUIT (SIGNAL) (F&I) (DIRECTIONAL BORE)

SHALL CONSIST OF MULTIPLE 2 INCH SCHEDULE 40 PVC SLEEVES PER BORE. SEE SPECIFIC PLAN SHEETS FOR NUMBER REQUIRED FOR THE BORE. ALL DIRECTIONAL BORING SHALL BE DONE IN CONFORMANCE WITH FDOT UTILITY ACCOMMODATIONS MANUAL REQUIREMENTS.

PAY ITEM NO. 632-7-1 – CABLE (SIGNAL) (F&I)

SHALL BE INSTALLED PER FDOT STANDARD INDEX 17727 AS APPLICABLE. THREE SPARE CONDUCTORS PER SIGNAL CABLE ARE REQUIRED. SPARES SHALL BE GROUNDED TO THE BUS GROUNDING FACILITY IN THE CONTROLLER CABINET. MAST ARM CABLING SHALL CONSIST OF A TWENTY CONDUCTOR IMSA-19 SIGNAL CABLE FROM CONTROL CABINET TO EACH MAST ARM. EACH CONDUCTOR SHALL BE TERMINATED UPON THE 20 TERMINAL-TERMINAL BLOCK LOCATED IN THE TERMINAL COMPARTMENT OF THE MAST. A SEPARATE IMSA-19 SEVEN CONDUCTOR SHALL BE RUN FROM THE TERMINAL BLOCK TO EACH SIGNAL HEAD. PEDESTRIAN SIGNALS SHALL HAVE A SEVEN CONDUCTOR TO EACH CORNER ALONG WITH A FOUR CONDUCTOR FOR THE PEDESTRIAN DETECTORS. SPAN WIRE INSTALLATIONS SHOULD CONSIST OF A SEPARATE IMSA-19 TWELVE CONDUCTOR CABLE TO EACH APPROACH. PEDESTRIAN SIGNALS SHALL HAVE AN IMSA-19 SEVEN CONDUCTOR TO EACH CORNER ALONG WITH A FOUR CONDUCTOR FOR THE PEDESTRIAN DETECTORS THESE CABLES SHOULD RUN FROM PEDESTRIAN SIGNAL TO CONTROL CABINET DIRECTLY.

PAY ITEM NO. 635-2-11 – PULL BOX (F&I) (TRAFFIC SIGNAL)

SHALL BE INSTALLED IN ACCORDANCE WITH FDOT DESIGN STANDARD INDEX 17700, AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SIZE THE PULL BOXES SUCH THAT THEY WILL ALLOW PLACEMENT OF ALL CABLES INSIDE THE PULL BOXES WHILE MAINTAINING THE REQUIRED MINIMUM BENDING RADII ON THE CABLES AND NOT EXCEEDING THE MAXIMUM BENDING RADII OF THE CABLES (MIN. 17"X30"X12"). PULL BOX COVERS SHALL BE FDOT APPROVED OF NON-METALLIC CONSTRUCTION WITH RECESSED COVER LOGO "TRAFFIC SIGNAL"OR "FIBER OPTIC"AS APPROPRIATE. PULL BOXES SHALL BE QUAZITE AND PLACED BEHIND CURB AND GUTTER. IF THERE IS NO CURB AND GUTTER, THE PULL BOXES SHALL BE PLACED A MINIMUM OF 7 FEET FROM THE EDGE OF PAVEMENT WITH PULL BOXES AND LIDS BEING TRAFFIC BEARING. PULL BOXES SHALL NOT BE PLACED IN PEDESTRIAN RAMPS. PULL BOXES SHALL HAVE CONCRETE MOWER PADS IN ACCORDANCE WITH STANDARD DESIGN INDEX 17700.

PAY ITEM NO. 639-1-122 – ELECTRICAL POWER SERVICE (F&I) (UNDERGROUND) (METER PURCHASED BY CONTRACTOR)

SHALL INCLUDE THE COST OF ALL LABOR, MATERIALS, AND PERMITS REQUIRED TO FURNISH AND INSTALL THE ASSEMBLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH ALL AGENCIES REQUIRED FOR APPROVAL OF THE COMPLETED INSTALLATION. FDOT DESIGN STANDARD INDEX 17504, 17736 (AS APPLICABLE) SHALL APPLY.

PAY ITEM NO. 639-2-1 – ELECTRICAL SERVICE WIRE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING THE CONDUCTORS FOR THE POWER SERVICE.

PAY ITEM NO. 660-4-11 AND 660-4-12 – VEHICLE DETECTION VIDEO (F&I) CABINET AND ABOVE GROUND EQUIPMENT

SHALL CONSIST OF 4 VEHICLE DETECTOR ASSEMBLIES (VIDEO TYPE), TRAFISENSE DETECTION, LATEST TECHNOLOGY. A COMPLETE VIDEO DETECTION INSTALLATION CONSISTENT WITH INDIAN RIVER COUNTY STANDARDS FOR ALL APPROACHES OF THE INTERSECTION IS REQUIRED. THE EQUIPMENT SHALL BE VIDEO DETECTION UNITS CAPABLE OF INTERFACE WITH THE TRAFFIC SIGNAL CONTROLLER UNIT AND SHALL INCLUDE THE COST OF MOUNTING ARMS TO EXTEND CAMERA TO A POSITION OVER THE ROADWAY UNLESS OTHER WISE STATED ON THE PLAN. THE CONTRACTOR IS REQUIRED TO COORDINATE WITH THE SUPPLIER AND INDIAN RIVER COUNTY TRAFFIC ENGINEERING DIVISION TO ENSURE RELIABLE OPERATION. CAMERA LOCATIONS MAY REQUIRE ADJUSTMENT IN THE FIELD. CONTACT INDIAN RIVER COUNTY TRAFFIC ENGINEERING DIVISION BEFORE ORDERING.

PAY ITEM NO. 670-5-111 – TRAFFIC CONTROLLER ASSEMBLY (F&I) (NEMA) (TYPE 5) (ONE PREEMPTION PLAN)

SHALL BE ECONOLITE TYPE 6 CABINET WITH INTERNAL PHOTO CELL STREET SIGN CONTROL. THE CONTRACTOR SHOULD COORDINATE WITH THE INDIAN RIVER COUNTY TRAFFIC ENGINEERING DIVISION PRIOR TO ORDERING ANY CONTROLLER RELATED EQUIPMENT.

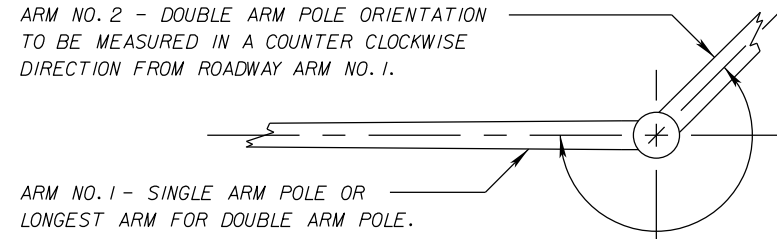
PAY ITEM NO. 715-5-31

SHALL CONSIST OF AEL HOLOPHANE ATB2 P601 MVOLT R4 4K GN 20 TB PCLL OR APPROVED EQUIVALENT.

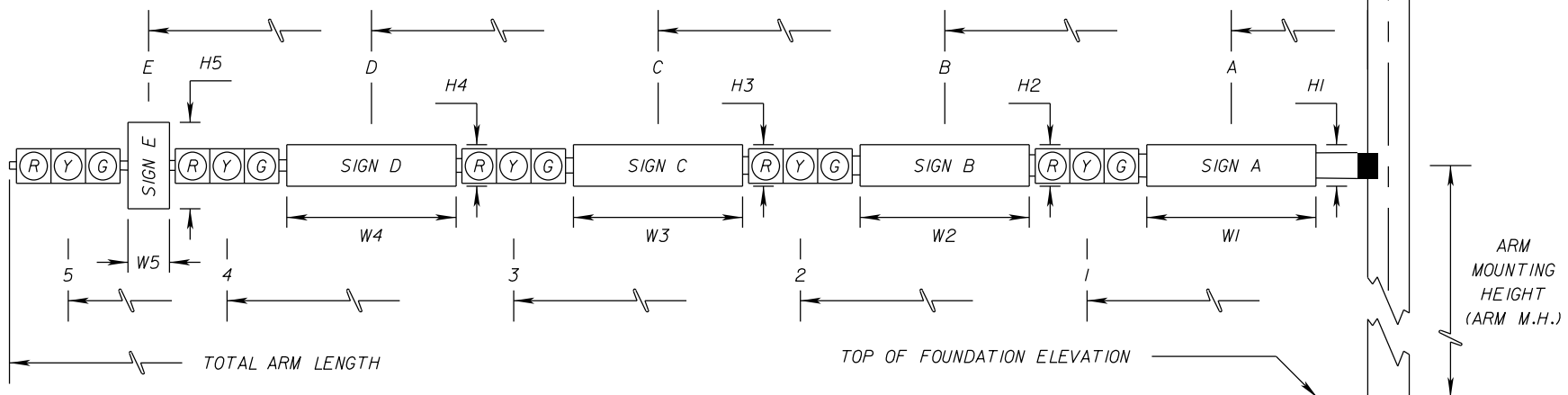
ALL TRAFFIC SIGNAL EQUIPMENT MUST BE CONSISTENT WITH INDIAN RIVER COUNTY TRAFFIC ENGINEERING DIVISION STANDARDS. CONTRACTOR SHALL COORDINATE WITH THE INDIAN RIVER COUNTY TRAFFIC ENGINEERING DIVISION TO CONFIRM THAT EQUIPMENT STANDARDS HAVE NOT CHANGED SINCE THE TIME OF PUBLICATION OF THESE PLANS.

ADDENDUM 2

REVISIONS						<div><div><div>Kimley»Horn</div><div>BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 REGISTRY No. 35106</div></div></div>	<div>INDIAN RIVER COUNTY BOARD OF COUNTY COMMISSIONERS</div> <div>66th AVENUE FROM 69th STREET TO SR-510/85th STREET</div>	<div>SIGNALIZATION</div> <div>PAY ITEM FOOTNOTES</div>	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				T-6
3/23/23	MCF	△ BID ADDENDUM No. 2							



NOTE: REFER TO THIS PLAN, STANDARD MAST ARM ASSEMBLIES DESIGN TABLE, AND FDOT
INDEX NO.'S 17743 AND 17745 FOR LUMINAIRE AND LUMINAIRE CONNECTION DETAILS.



NOTE: ALL STATION/OFFSETS ARE REFERENCED TO THE BASELINE OF CONSTRUCTION OF 66TH AVENUE.

* DENOTES NUMBER OF SECTIONS IN SIGNAL HEAD ASSEMBLY

VD DENOTES VIDEO DETECTION CAMERA

						SIGNAL DATA															SIGN DATA																	FED. PAINT AMS-STD No.
ID NO.	SHEET NO.	LOCATION BY STA.	TOP OF FOUNDATION ELEVATION	RDWY ARM NO.	CROWN ELEV.	SIGNAL V/H	BACK PLATES Y/N	PED. SIGNAL Y/N	DISTANCE FROM POLE								TOTAL ARM LENGTH	ARM M.H.	∠ BETWEEN DUAL ARMS 90/270	DISTANCE FROM POLE / HEIGHT AND WIDTH OF SIGN																		
									1	*	2	*	3	*	4	*				5	*	A	H1	W1	B	H2	W2	C	H3	W3	D	H4	W4	E	H5	W5		
5	T-7	499+78.54, 77.8' LT	21.89	1	21.88	H	Y	Y	38.50	3	50.50	3						60			31.50	2.0	8.0	44.50	VD	VD										595-14066		
				2																																		
6	T-7	499+84.63, 73.5' RT	22.44	1	22.11	H	Y	Y	32.50	3	44.50	3	68.50	4				70.5			25.50	2.0	6.5				50.50	VD	VD							595-14066		
				2																																		
7	T-7	498+76.86, 82.7' RT	22.42	1	21.90	H	Y	N	20.50	3	32.50	3						46			13.50	2.0	8.0	26.50	VD	VD										595-14066		
				2																																		
8	T-7	498+53.48, 72.5' LT	22.67	1	21.99	H	Y	Y	21.50	3	37.50	3	67.50	4				70.5			14.00	2.0	6.5				49.50	VD	VD							595-14066		
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ADDENDUM 2

REVISIONS						Kimley»Horn <small>BRIAN A. GOOD, P.E. P.E. LICENSE NUMBER 56939 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 REGISTRY No. 35106</small>	INDIAN RIVER COUNTY BOARD OF COUNTY COMMISSIONERS 66th AVENUE FROM 69th STREET TO SR-510/85th STREET	MAST ARM TABULATION		SHEET NO.	
DATE	BY	DESCRIPTION								T-8	
3/23/23	MCF	BID ADDENDUM No. 2									