

**COST-SHARE AGREEMENT BETWEEN BREVARD COUNTY, FLORIDA, AND THE  
VIERA COMPANY FOR SIGNALIZATION UPGRADES AT INTERSECTION OF  
STADIUM PARKWAY AND CUDDINGTON DRIVE**

**THIS AGREEMENT** is made and entered into the date of last signature below, by and between **THE VIERA COMPANY**, a Florida Corporation, hereinafter referred to as "T.V.C.", and **BREVARD COUNTY, FLORIDA**, a political subdivision of the State of Florida, hereinafter referred to as "COUNTY".

**WITNESSETH:**

**WHEREAS**, the Brevard County School Board, hereinafter referred to as the "SCHOOL BOARD", constructed an elementary school located at 8300 Stadium Parkway, Viera, Florida 32940; and

**WHEREAS**, the access road to the elementary school is the western leg of the intersection of Stadium Parkway and Cuddington Drive; and

**WHEREAS**, Stadium Parkway and Cuddington Drive are under the jurisdiction of the COUNTY; and

**WHEREAS**, in order to improve safety and traffic efficiency at the intersection of Stadium Parkway and Cuddington Drive, the COUNTY and the SCHOOL BOARD previously agreed to enter into an interlocal agreement for the SCHOOL BOARD to contribute five hundred thousand dollars (\$500,000.00) to the construction of improvements at the intersection of Stadium Parkway and Cuddington Drive; and

**WHEREAS**, the COUNTY has designed and permitted improvements to the intersection of Stadium Parkway and Cuddington Drive to include signalization and turn lanes; and

**WHEREAS**, the COUNTY had an independent signal warrant study conducted that found the elementary school traffic alone trips the warrant requirements for a signal; and

**WHEREAS**, the signalization of the intersection will benefit the general public; and

**WHEREAS**, in accordance with the terms of this Agreement, T.V.C. has agreed to contribute five hundred thousand dollars (\$500,000.00) in order for the COUNTY to upgrade the originally planned signal from a span wire to mast arm structures, hereinafter referred to as the "SIGNALIZATION PROJECT", as reflected in the design documents contained in **Attachment A**, which is attached hereto and incorporated herein by this reference; and

**WHEREAS**, in accordance with the terms of this Agreement, the COUNTY has

agreed to construct the SIGNALIZATION PROJECT.

**NOW, THEREFORE**, in consideration of the mutual promises and covenants herein contained, and other good and valuable consideration, the sufficiency of which is hereby acknowledged, the Parties hereto covenant and agree that they have full power and authority to enter into this Agreement and bind their respective entities as follows:

- (1) Recitals: The above recitals are true and correct and by this reference are hereby incorporated into and made an integral part of this Agreement.
- (2) Scope of the SIGNALIZATION PROJECT: The SIGNALIZATION PROJECT will consist of upgrading the originally planned span wire signal to signalization with mast arm structures at the intersection of Stadium Parkway and Cuddington Drive, represented conceptually in **Attachment A**, attached hereto and incorporated herein by this reference.
- (3) SIGNALIZATION PROJECT Management:
  - (i) The COUNTY will serve as the lead agency for the SIGNALIZATION PROJECT and shall be responsible for managing design, permitting, and construction, including, but not limited to, surveying, plans and specifications development, construction management, and any other work related to the SIGNALIZATION PROJECT.
  - (ii) The COUNTY shall competitively procure and solicit bids for the construction of the SIGNALIZATION PROJECT. The COUNTY shall provide a copy of the construction contract to T.V.C. upon request.
  - (iii) Final decision-making on the design and construction of the SIGNALIZATION PROJECT rests with the COUNTY.
  - (iv) The COUNTY is authorized to prepare, execute, and implement change orders for contract amendments (as needed) based on actual field conditions at the SIGNALIZATION PROJECT site so as not to delay the contractor's performance and to meet the intent of the approved design for the SIGNALIZATION PROJECT.
- (4) T.V.C.'s Financial Contribution to the SIGNALIZATION PROJECT: T.V.C. shall contribute five hundred thousand dollars (\$500,000.00) to upgrade the proposed span wire signal to signalization with mast arm structures at the intersection of Stadium Parkway and Cuddington Drive. T.V.C. shall remit said funds to the COUNTY within thirty (30) calendar days of the commencement of construction of the SIGNALIZATION PROJECT, as evidenced by a written Notice from the County to T.V.C. confirming that

the County has executed a contract to construct the SIGNALIZATION PROJECT and has directed its contractor to proceed with the work. The COUNTY and T.V.C. agree that \$500,000.00 represents a good faith estimate of the increased cost to upgrade the SIGNALIZATION PROJECT from span wire to mast arm structures. Any SIGNALIZATION PROJECT cost overages shall be the responsibility of the COUNTY. Should the upgrade cost less than \$500,000.00 to complete, the full amount contributed by T.V.C. shall nonetheless be applied to the SIGNALIZATION PROJECT by the COUNTY, and T.V.C. will not be entitled to any refund of the difference so long as the upgrade is in fact completed by the COUNTY.

- (5) Maintenance Responsibility: The COUNTY shall have ownership and maintenance responsibility for the mast arm structures.
- (6) Notices: Notices shall be sent by hand delivery, overnight delivery, such as UPS or Federal Express, or certified mail, return receipt requested, and Email. Notices shall be sent to:
  - (a) T.V.C. Representative  
Mr. Todd J. Pokrywa, President  
7380 Murrell Road, Suite 201  
Viera, Florida 32940  
Email: todd.pokrywa@viera.com  
  
With copy to:  
Viera Legal Department  
7380 Murrell Road, Suite 201  
Viera, Florida 32940  
Email: vieralegal@duda.com
  - (b) COUNTY Representative  
Suzanne Reider  
PW Grants and JPA Writer/Coordinator  
2725 Judge Fran Jamieson Way, A-201  
Viera, Florida 32940  
Email: suzanne.reider@brevardfl.gov
- (7) Default: Either Party to this Agreement, in the event of any act of default by the other, shall have all remedies available to it under the laws of the State of Florida.
- (8) Severability: If any part of this Agreement is found invalid or unenforceable by any court, such invalidity or unenforceability shall not affect the other parts of this Agreement if the rights and obligations of the parties contained herein are not materially prejudiced and if the intentions of the parties can

still be accomplished.

- (9) Public Records; Right to Audit: In the performance of this Agreement, both Parties shall keep books, records and accounts of all activities related to this Agreement. Such books, records and accounts related to the performance of this Agreement shall be open to inspection during regular business hours by an authorized representative of either party and shall be retained by the respective party for a period of at least three years after termination of this Agreement, unless otherwise dictated by Florida law. All books, records and accounts related to the performance of this Agreement shall be subject to the applicable provisions of the Florida Public Records Law, Chapter 119, Florida Statutes.
- (11) Attorney's Fees: In the event of any legal action to enforce the terms of this Agreement, each party shall bear its own attorney's fees and costs. This provision shall not be interpreted to be a pledge of ad valorem tax revenues.
- (12) Venue and Non-Jury Trial: Any legal action to enforce, interpret, or construe the terms of this Agreement shall be in a court of competent jurisdiction in and for Brevard County, Florida and the parties agree **ANY TRIAL SHALL BE NON-JURY.**
- (13) Compliance with Statutes: It shall be each Party's responsibility to be aware of and comply with all Federal, State, and local laws, rules, and regulations.
- (14) Entirety: This Agreement represents the understanding and agreement of the parties in its entirety. There shall be no amendments to the Agreement unless such amendments are in writing and signed by both parties.
- (15) Sovereign Immunity: Neither party waives their respective sovereign immunity nor the protections of and limitations on damages as set forth in Section 768.28, Florida Statutes. Nothing in this Agreement is intended to inure to the benefit of any third party for the purpose of allowing any claim which would otherwise be barred under the doctrine of sovereign immunity or by operation of law. This provision shall survive termination of this Agreement. Specific consideration has been given for this provision.

**REMAINDER OF PAGE LEFT BLANK**  
**SIGNATURES TO FOLLOW**

IN WITNESS WHEREOF, this Agreement has been fully executed on behalf of the Parties by their duly authorized representatives in counterparts that, when taken together, shall be construed as one document.

**WITNESSES**

Lana Wilcox  
Name

[Signature]      5/8/2026  
Signature                      Date

Mark J. Boyd  
Name

[Signature]      5/8/2026  
Signature                      Date

**THE VIERA COMPANY**

[Signature]  
Todd J. Pokrywa, President

Date: May 8, 2026

**ATTEST:**

\_\_\_\_\_  
Rachel M. Sadoff, Clerk

Approved as to legal form  
solely for Brevard County:

[Signature]  
County Attorney

**BREVARD COUNTY, FLORIDA**

\_\_\_\_\_  
Thad Altman, Chair  
As approved by the Board on: May 19, 2026

# **ATTACHMENT A**

COMPONENTS OF CONTRACT PLANS SET

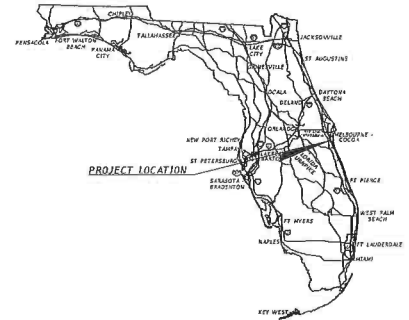
ROADWAY  
SIGNALIZATION

BREVARD COUNTY,  
FLORIDA

SIGNALIZATION PLANS

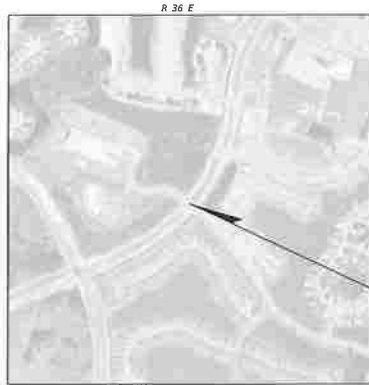
BREVARD COUNTY

STADIUM PARKWAY AND CUDDINGTON DRIVE  
WIDENING AND INTERSECTION IMPROVEMENTS



INDEX OF SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
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L-3	LIGHTING DATA TABLE
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LOCATION MAP

T 26 S

PROJECT LOCATION  
STADIUM PARKWAY AND CUDDINGTON DRIVE

GOVERNING STANDARD PLANS:  
Florida Department of Transportation, FY2024-25 Standard plans for Road and Bridge Construction and applicable Interim Revisions (Irs).  
Standard Plans for Road Construction and associated Irs are available at the following website:  
<http://www.fdot.gov/design/StandardPlans.htm>

APPLICABLE IRS:  
Brevard County Land Development Exhibits are available at the following website:  
<https://www.brevardfl.gov/PublicWorks/Engineering>

GOVERNING STANDARD SPECIFICATIONS:  
Florida Department of Transportation, FY 2024-2025 Standard Specifications for Road and Bridge Construction at the following website:  
<http://www.fdot.gov/programmanagement/implemented/SpecBooks>

BREVARD COUNTY PROJECT MANAGER:  
VERÓNICA H. FIGUEROA-CHANZA, P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
	2024	T-1



TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL	
			T-6		T-7		L-4		PLW		PLN		PLM		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
830-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF		85												85	85	
830-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF		830												830	830	
832-7-1	SIGNAL CABLE - NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1													1	1	
835-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA		25		5										30	30	
839-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS		1												1	1	
839-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF		210												210	210	
839-3-11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA		1												1	1	
841-2-12	PREFRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA		1												1	1	
848-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	7													7	7	
849-21-5	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 30"	EA	1													1	1	
849-21-15	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 70"	EA	2													2	2	
849-21-21	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 78"	EA	1													1	1	
850-1-34	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 3 SECTION, 1 WAY	AS	9													9	9	
850-1-36	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 4 SECTION, 1 WAY	AS	5													5	5	
850-1-11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	6													6	6	
853-1-12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAY	AS	1													1	1	
860-4-11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA	1													1	1	
860-4-12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA	4													4	4	
863-1-122	SIGNAL PRIORITY AND PREEMPTION SYSTEM, FURNISH AND INSTALL, GPS, DETECTOR	EA	1													1	1	
865-1-11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	8													8	8	
870-5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	AS	1													1	1	
882-1-133	ITS CCTV CAMERA, F&I, DOME ENCLOSURE - NON-PRESSURIZED, 1P, HIGH DEFINITION	EA	1													1	1	
884-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	1													1	1	
884-6-11	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL ETHERNET ACCESS POINT	EA	1													1	1	
884-6-12	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL ETHERNET SUBSCRIBER UNIT	EA	1													1	1	
885-1-13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET	EA	1													1	1	
700-3-201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	4													4	4	
700-5-22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	4													4	4	
700-141-180	ENHANCED HIGHWAY SIGN ASSEMBLY, AC POWERED, F&I, GROUND MOUNT, BLANK OUT SIGN <12 SF	EA	3													3	3	
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6	LF				2,325										2,325	2,325	
715-5-31	LUMINAIRE & BRACKET ARM- ALUMINUM, FURNISH & INSTALL NEW LUMINAIRE AND ARM ON NEW/EXISTING POLE	EA	4													4	4	
715-905-1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL	EA				4										4	4	

PAY ITEM NOTES:

- PAY ITEM 650-1-11: SHALL BE BLACK POLYCARBONATE HEADS WITH DIALIGHT LED MODULES.
- PAY ITEM 660-4-12: VIDEO CAMERAS V2 & V4 SHALL BE HDVISION-CORE DCN 4 SMARTVIEW 360 CAMERA VIDEO CAMERAS V1 & V3 SHALL BE HDVISION-SMARTVIEW APPROACH CAMERA.
- PAY ITEM 665-1-11: SHALL BE POLARA-BULLDOG III SERIES VANDAL RESISTANT ADA PUSH BUTTON (MODEL: BDL3). WIRING (CONDUCTORS) TO ACCOMMODATE FOR FUTURE ACCESSIBLE PEDESTRIAN SIGNAL (APS) DEVICES SHALL BE INCIDENTAL TO THIS PAY ITEM.
- PAY ITEM 670-5-110: TRAFFIC SIGNAL CABINET ASSEMBLY SHALL BE CUBIC COMMANDER ATC, CUBIC WIRED CABINET ASSEMBLY 70006-TS2/PL, SIZE 6 DUAL DOOR, WITH 32-CHANNEL DETECTOR PANEL THE CABINET SHALL INCLUDE FOUR BUS AND DETECTOR PANEL WITH TERMINALS TO ACCOMMODATE MINIMUM 64 DETECTOR CHANNELS. THE SIGNAL CONTROLLER SHALL BE ATC SHELF MOUNT W/ ETHERNET TS-2, TYPE 1 OR BETTER PER MAINTAINING AGENCIES REQUIREMENT AND FDOT DISTRICT 5 ATMS SOFTWARE, CAPABLE OF HIGH RESOLUTION DATA LOGGING AND ARE FORWARD COMPATIBLE WITH CV AND ICM EFFORTS.
- PAY ITEM 682-1-133: SHALL BE BOSCH AUTODOME 1P STARLIGHT VGS-ITS1000P-300S OR VGS-ITS2-40X WITH BOSCH NDA-U-RNT PENDANT PARAPET MOUNT AND FELCO PRODUCTS ASTRO-BRAC TRITON CLAMP KIT FOR 2" TUBE (PART: AB-3040-84-PNC).
- PAY ITEM 684-1-1: SHALL BE RUCKUS/COMMSCOPE-ICX7150-C12P OR ICX 8200-24P WITH TWO (2) AXIOM 1000BASE-LX SFP 1310NM 10KX LC SM TRANSCIEVERS.
- PAY ITEM 684-6-12: WIRELESS COMMUNICATION DEVICE SHALL BE UBIQUITI AIRMAX8 NANOBEAMS SAC GEN 2 (MODEL: NBE-SAC-GEN2).
- PAY ITEM 685-1-13: SHALL BE ALPHA FXH HP 1100 UPS WITH (4) ALPHACELL240 XTV BATTERIES, REMOTE BATTERY MONITORING SYSTEM (RBM5) PLUS, AND ALPHA SE48-2216 ENCLOSURE (BASE-MOUNTED CABINET WITH SLIDE-OUT BATTERY TRAYS AND WITH GENERATOR ACCESS PANEL AND PLUG).
- PAY ITEM 700-5-22: SHALL BE SOUTHERN MANUFACTURING CLEAN PROFILE LED ILLUMINATED STREET NAME SIGNS.
- PAY ITEM 715-5-31: THE LUMINAIRES SHALL BE COBRA HEAD. THE LUMINAIRES SHALL BE CONTROLLED BY ONE MASTER PHOTOCELL LOCATED OUTSIDE THE ELECTRICAL SERVICE DISCONNECT WIRING TO A DEDICATED CIRCUIT BREAKER WITHIN THE ELECTRICAL SERVICE DISCONNECT.

DATE	BY	REVISION

**Kimley-Horn**

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285 N. WASHINGTON AVE. SUITE 200  
TALLAHASSEE, FL 32301  
TEL: 904.437.9000  
WWW.KIMLEY-HORN.COM

**TABULATION OF QUANTITIES**

STADIUM PARKWAY AND COUDDINGTON DRIVE

SHEET NUMBER 7-3

BREVARD COUNTY, FLORIDA

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 9105-2.004, F.A.C.

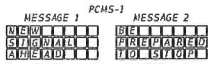


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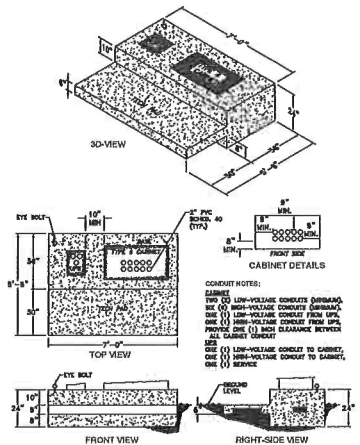
36. EXISTING SECTION CORNERS, 1/4 SECTION CORNERS, PROPERTY CORNERS, OR MONUMENTS TO BE DISTURBED BY CONSTRUCTION SHALL BE REFERENCED AND RESET BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF FLORIDA.
37. THE CONTRACTOR SHALL PROTECT ALL GEODETIC MONUMENTS. IF ANY MONUMENTS ARE TO BE DISTURBED, THE CONTRACTOR SHALL NOTIFY:  
  
NATIONAL OCEAN SERVICE ADVISOR  
BUREAU OF SURVEYING AND MAPPING  
3000 COMMONWEALTH BOULEVARD, MS 105  
TALLAHASSEE, FL 32303  
850-245-2606
38. THE LOCATIONS OF KNOWN UTILITIES SHOWN ON THE PLAN ARE APPROXIMATE ONLY; EXACT LOCATIONS OF UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING, NOTIFYING, AND LOCATING ALL EXISTING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION. ANY UTILITY RELOCATION REQUIRED AFTER THE NOTICE TO PROCEED WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO COMPENSATION WILL BE CONSIDERED.
39. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY ALL UTILITIES IN THE AREA THAT MAY BE AFFECTED BY THE WORK. THIS IS IN ADDITION TO THE REQUIREMENT OF CONTACTING "SUNSHINE 811" AT (800) 432-4770.

**MAINTENANCE OF TRAFFIC**

1. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2009) AND THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION FY 2023-24.
2. IF THE CONTRACTOR REQUIRES OTHER THAN THE FDOT STANDARD PLANS 102 SERIES INDICES, THEN THE CONTRACTOR WILL HAVE TO SUBMIT SIGNED AND SEALED PLANS TO THE CITY FOR REVIEW AND APPROVAL.
3. THE POSTED SPEED ON STADIUM PARKWAY OF 40 MPH SHALL REMAIN DURING ALL PHASES OF CONSTRUCTION. THE POSTED SPEED ON CUDDINGTON DRIVE OF 30 MPH SHALL REMAIN DURING ALL PHASES OF CONSTRUCTION.
4. PLACE THE FOLLOWING PORTABLE CHANGABLE MESSAGE SIGN (PCMS) APPROXIMATELY 600' IN ADVANCE OF THE INTERSECTION ONCE SIGNAL IS IN FULL OPERATION (FLASH MODE IS NOT APPLICABLE) ON BOTH APPROACHES. IT SHOULD BE DISPLAYED FOR 14 DAYS (2 WEEKS). PCMS TO DISPLAY THE 2-PHASE MESSAGE (MESSAGE 1 AND 2).

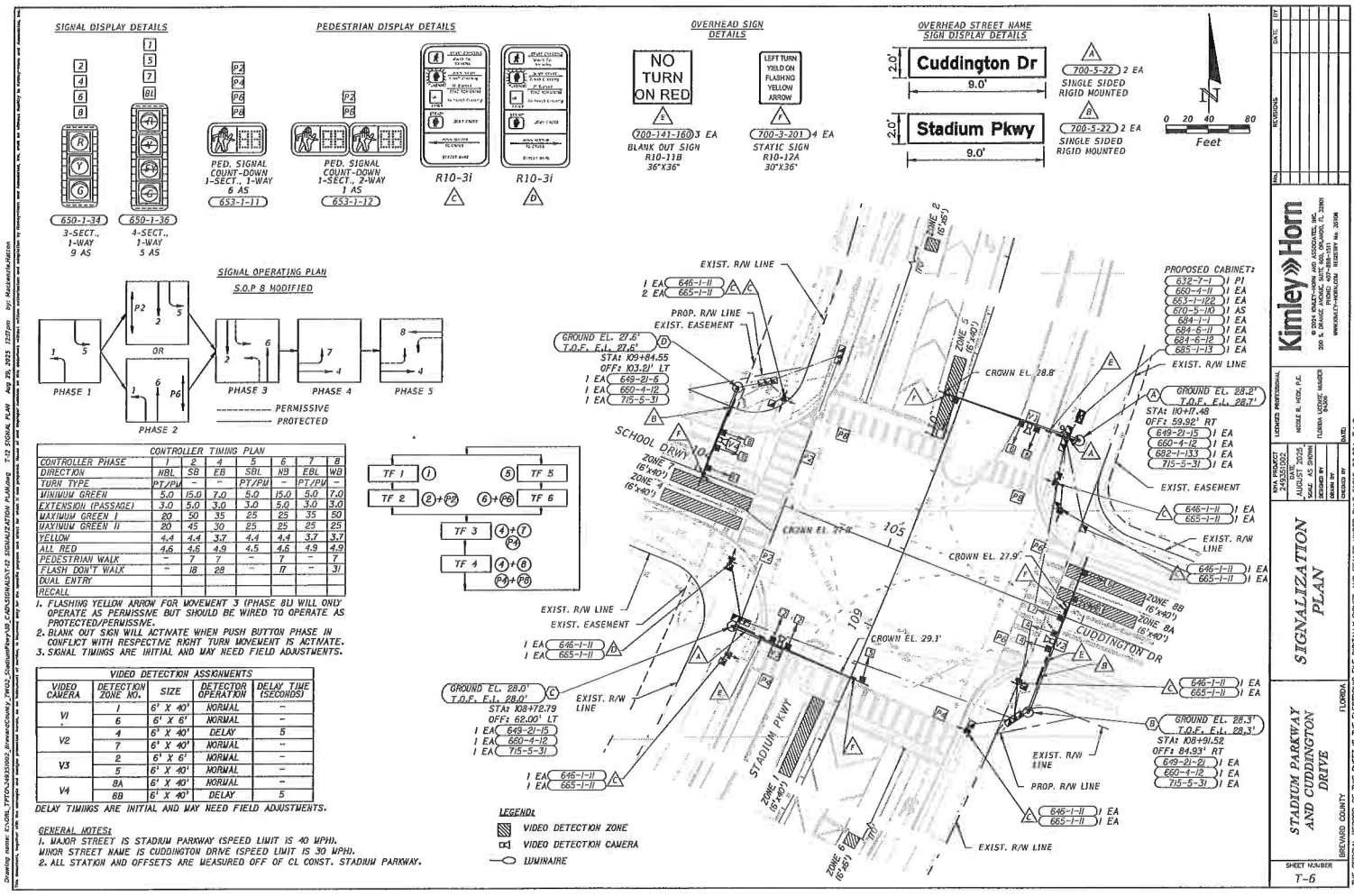


**CABINET BASE DIAGRAM**

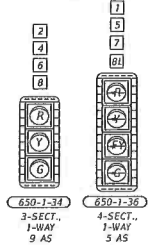


	DATE: BY: REVISIONS: NO.
© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 300 N. HAZARD AVENUE, SUITE 100 TALLAHASSEE, FL 32310 PHONE: 904-999-9301 FAX: 904-999-9302 WWW.KIMLEY-HORN.COM	
PROJECT: STADIUM PARKWAY AND CUDDINGTON DRIVE SHEET: T-5 DATE: AUGUST 2023 SCALE: AS SHOWN DRAWN BY: JAC CHECKED BY: JAC	LICENSED PROFESSIONAL ENGINEER HORN & HORN, P.C. LICENSE NO. 12583 FLORIDA LICENSE NUMBER: 12583
<b>GENERAL NOTES</b> (02)	
STADIUM PARKWAY AND CUDDINGTON DRIVE FLORIDA BREVARD COUNTY	
SHEET NUMBER <b>T-5</b>	

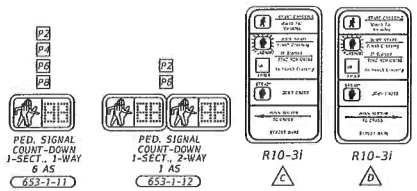
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



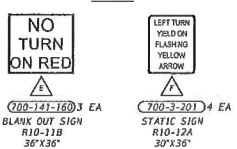
**SIGNAL DISPLAY DETAILS**



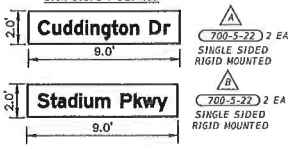
**PEDESTRIAN DISPLAY DETAILS**



**OVERHEAD SIGN DISPLAY DETAILS**

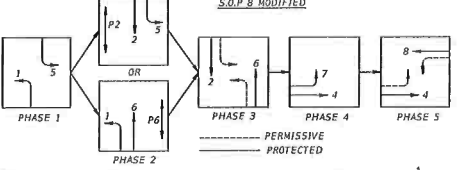


**OVERHEAD STREET NAME SIGN DISPLAY DETAILS**



**SIGNAL OPERATING PLAN**

S.O.P. 8 MODIFIED



**CONTROLLER TIMING PLAN**

CONTROLLER PHASE	1	2	4	5	6	7	8
DIRECTION	NBL	SB	EB	SBL	NB	EBL	WB
TURN TYPE	DT/PM		PY/PM		DT/PM		DT/PM
MINIMUM GREEN	5.0	15.0	7.0	5.0	15.0	5.0	7.0
EXTENSION (PASSAGE)	3.0	5.0	3.0	3.0	5.0	3.0	3.0
MAXIMUM GREEN I	20	50	35	25	25	35	50
MAXIMUM GREEN II	20	45	30	25	25	25	25
YELLOW	4.4	4.4	3.7	4.4	4.4	3.7	3.7
ALL RED	4.6	4.6	4.9	4.5	4.6	4.9	4.9
PEDESTRIAN WALK	-	7	7	-	7	-	7
FLASH DOWN WALK	-	18	28	-	17	-	31
DUAL ENTRY							
RECALL							

1. FLASHING YELLOW ARROW FOR MOVEMENT 3 (PHASE BU) WILL ONLY OPERATE AS PERMISSIVE BUT SHOULD BE WIRED TO OPERATE AS PROTECTED/PERMISSIVE.
2. BLANK OUT SIGN WILL ACTIVATE WHEN PUSH BUTTON PHASE IN CONFLICT WITH RESPECTIVE RIGHT TURN MOVEMENT IS ACTIVATE.
3. SIGNAL TIMINGS ARE INITIAL AND MAY NEED FIELD ADJUSTMENTS.

**VIDEO DETECTION ASSIGNMENTS**

VIDEO CAMERA	DETECTION ZONE NO.	SIZE	DETECTION OPERATION	DELAY TIME (SECONDS)
V1	1	6' X 40'	NORMAL	-
V2	6	6' X 6'	NORMAL	-
V2	4	6' X 40'	DELAY	5
V3	7	6' X 40'	NORMAL	-
V3	2	6' X 6'	NORMAL	-
V3	5	6' X 40'	NORMAL	-
V4	8A	6' X 40'	NORMAL	-
V4	8B	6' X 40'	DELAY	5

DELAY TIMINGS ARE INITIAL AND MAY NEED FIELD ADJUSTMENTS.

**GENERAL NOTES:**

1. MAJOR STREET IS STADIUM PARKWAY (SPEED LIMIT IS 40 MPH).
2. MINOR STREET NAME IS CUDDINGTON DRIVE (SPEED LIMIT IS 30 MPH).
3. ALL STATION AND OFFSETS ARE MEASURED OFF OF CL CONST. STADIUM PARKWAY.

**Kimley»Horn**  
 8004 MAINTENANCE AND ASSOCIATES, INC.  
 200 N. BAYVIEW BLVD., SUITE 200  
 MIAMI, FL 33134  
 PHONE: 305-358-3333  
 FAX: 305-358-3334  
 WWW.KIMLEY-HORN.COM

**SIGNALIZATION PLAN**

**STADIUM PARKWAY AND CUDDINGTON DRIVE**







STANDARD MAST ARM ASSEMBLIES DATA TABLE											
STRUCTURE ID NUMBERS	DESIGNATION	FIRST ARM		SECOND ARM		UF (deg)	LL (deg)	POLE			DRILLED SHAFT ID
		ARM ID	FAA (ft.)	ARM ID	SAA (ft.)			POLE ID	UAA (ft.)	UB (ft.)	
POLE A	A7B/S/H - P6/S/L	A7B/S/H	31	-	-	-	0	P6/S/L	-	21	DS/25/5.0
POLE B	A7B/S/H - P6/S/L	A7B/S/H	-	-	-	-	90	P6/S/L	-	21	DS/25/5.0
POLE C	A7B/S/H - P6/S/L	A7B/S/H	31	-	-	-	45	P6/S/L	-	22	DS/25/5.0
POLE D	A50/S/H - P3/S/L	A50/S/H	-	-	-	-	45	P3/S/L	-	21	DS/20/5.0

NOTES:

- IF AN ENTRY APPEARS IN COLUMN FAA, A SHORTER ARM IS REQUIRED. THIS IS OBTAINED BY REMOVING LENGTH FROM THE ARM TIP AND THE ARM LENGTH SHORTENED FROM FA TO FAA. SAA SIMILAR.
- IF AN ENTRY APPEARS IN COLUMN UAA, A SHORTER POLE IS REQUIRED. THIS IS OBTAINED BY REMOVING LENGTH FROM THE POLE TIP AND THE POLE HEIGHT SHORTENED FROM UA TO UAA.
- WORK WITH FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) FY 2024-2025 STANDARD PLANS 649-031.
- DESIGN WIND SPEED = 170 MPH (BREVARD COUNTY)

FOUNDATION NOTES:

- THE FOUNDATIONS WERE DESIGNED BASED ON THE FOLLOWING GEOTECHNICAL PARAMETERS FROM THE REPORT OF GEOTECHNICAL EXPLORATION PREPARED BY PROFESSIONAL SERVICE INDUSTRIES, INC. DATED JULY 24, 2024.

MAST ARM POLE A  
BORING B-3  
SOIL TYPE = SAND  
SOIL FRICTION ANGLE = 29 DEG  
SOIL WEIGHT (SUBMERGED) = 45 PCF  
SOIL LAYER THICKNESS = 25 FT  
N-BLOWCOUNT (AVERAGE) = 10  
DESIGN WATER TABLE LOCATION (ASSUMED) = 0 FT BELOW SURFACE

MAST ARM POLE B  
BORING B-4  
SOIL TYPE = SAND  
SOIL FRICTION ANGLE = 29 DEG  
SOIL WEIGHT (SUBMERGED) = 43 PCF  
SOIL LAYER THICKNESS = 25 FT  
N-BLOWCOUNT (AVERAGE) = 11  
DESIGN WATER TABLE LOCATION (ASSUMED) = 0 FT BELOW SURFACE

MAST ARM POLE C  
BORING B-1  
SOIL TYPE = SAND  
SOIL FRICTION ANGLE = 30 DEG  
SOIL WEIGHT (SUBMERGED) = 50 PCF  
SOIL LAYER THICKNESS = 25 FT  
N-BLOWCOUNT (AVERAGE) = 10  
DESIGN WATER TABLE LOCATION (ASSUMED) = 0 FT BELOW SURFACE

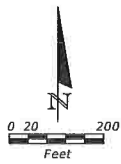
MAST ARM POLE D  
BORING B-2  
SOIL TYPE = SAND  
SOIL FRICTION ANGLE = 29 DEG  
SOIL WEIGHT (SUBMERGED) = 45 PCF  
SOIL LAYER THICKNESS = 20 FT  
N-BLOWCOUNT (AVERAGE) = 8  
DESIGN WATER TABLE LOCATION (ASSUMED) = 0 FT BELOW SURFACE

- DRILLED SHAFTS NOT LOCATED IN SIDEWALKS HAVE BEEN LENGTHENED 6" PER STANDARD. SEE STANDARD MAST ARM TABULATION FOR TOP OF SHAFT ELEVATIONS.
- IF EXISTING SOILS VARY FROM THE CRITERIA PRESENTED ABOVE, CONTACT THE ENGINEER PRIOR TO CONSTRUCTION OF THE DRILLED SHAFT.

<b>STADIUM PARKWAY AND CUDINGTON DRIVE</b> BREVARD COUNTY FLORIDA SHEET NUMBER <b>7-10</b>	<b>STANDARD MAST ARM ASSEMBLIES DATA TABLE</b>	LICENSED PROFESSIONAL ENGINEER NAME: M. H. HORN, P.E. NO. 12458 EXPIRES: 12/31/2025 ISSUED: 12/31/2022 STATE: FLORIDA BOARD: PE REVIEWED BY: M.H.H. DATE:	<b>Kimley-Horn</b> CONSULTING AND ASSOCIATES, INC. 200 S. DRUM BOULEVARD, SUITE 200 GAITHERSBURG, MD 20878 PHONE: 301-981-9300 FAX: 301-981-9301 WWW: KIMLEY-HORN.COM	DATE: _____ BY: _____ CHECKED: _____ DATE: _____

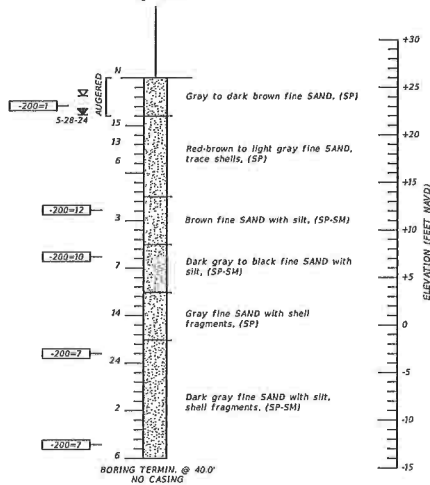
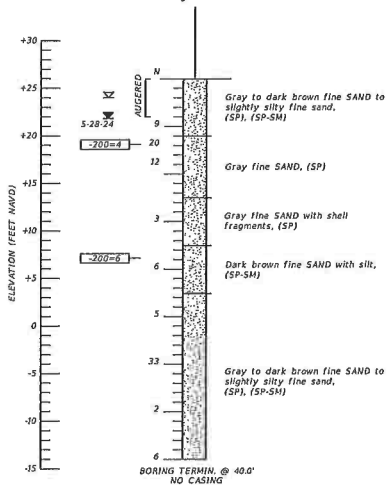
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61C5-23.004, F.A.C.





Bore # B-1  
 Station 109+00, 80' LT.  
 Latitude 28.210472°  
 Longitude -80.732395°  
 Elevation +26  
 NAVD83  
 Date 5/28/24  
 Driller REX  
 Hammer Auto  
 Rig CME 73

Bore # B-2  
 Station 109+80, 80' LT.  
 Latitude 28.210570°  
 Longitude -80.732900°  
 Elevation +26  
 NAVD83  
 Date 5/28/24  
 Driller REX  
 Hammer Auto  
 Rig CME 73



- LEGEND**
- Sand
  - (SP) Unified soil classification group symbol
  - 5-28-24 Water table level
  - Σ Estimated normal seasonal high water table
  - N Foot (1<sup>st</sup> spoon ASTM D-1586) using 140 lb automatic hammer
  - 200m Percent passing no. 200 U.S. standard sieve
  - ⊕ Standard Penetration Test (SPT) Boring Location

- NOTES**
1. Plan view is preliminary for showing boring locations only and may not be indicative of final plans.
  2. Subsurface variations between borings should be anticipated as indicated in Section 2.4 of the Standard Specifications.
  3. Based on a review of the St. Johns River Water Management District Potentiometric map of the upper Floridan Aquifer for the Project Area, the maximum potential Artesian Head Elevation in the Floridan Aquifer is estimated to be +35 feet. The contractor shall be prepared to handle artesian water levels from the Floridan Aquifer up to elevation +35 feet, NGVD. (Approximately +34 feet NAVD)

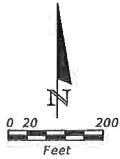
GRANULAR MATERIALS	
Relative Density	SPT (Automatic) (Blows/ft.)
Very loose	Less than 3
Loose	3-8
Medium Dense	8-24
Dense	24-40
Very Dense	Greater than 40
SILTS AND CLAYS	
Consistency	SPT (Automatic) (Blows/ft.)
Very soft	Less than 1
Soft	1-3
Firm	3-6
Stiff	6-12
Very stiff	12-24
Hard	Greater than 24

**ENVIRONMENTAL CLASSIFICATION:**

Substructure: Concrete Slightly Aggressive  
 Steel: Moderately Aggressive (pH=6.7)

REVISIONS				DATE	BY	DESCRIPTION	MUSTAPHA A. ABBUD, P.E. P.E. NO. 15612 PROFESSIONAL SERVICE IND., INC. 1748 33RD STREET ORLANDO, FL. 32830 CERTIFICATE OF AUTHORIZATION No. 00003694	DRAWN BY G.W. CHECKED BY M.A. 5-30-24	BREVARD COUNTY	SHEET NO.	PROJECT NAME STADIUM PARKWAY AND CUDDINGTON DRIVE INTERSECTION IMPROVEMENTS	SHEET NO. T-12
DATE	BY	DESCRIPTION	DATE									

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G13-23.004, F.A.C.

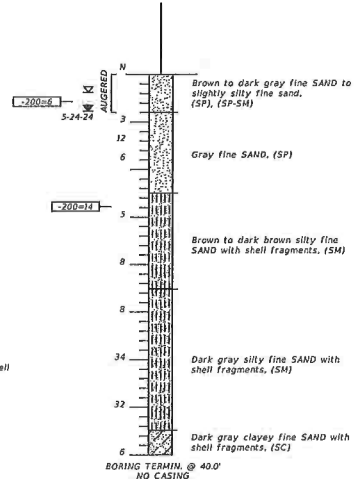
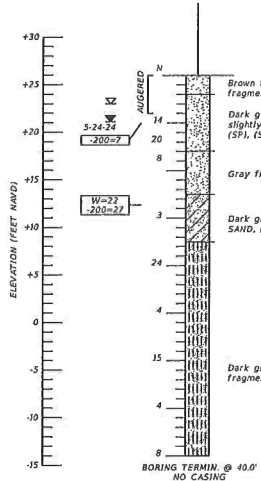


Bore # B-3  
 Station: 104+00, 53' RT.  
 Latitude: 28.210268°  
 Longitude: -80.732488°  
 Elevation: +26'  
 Vertical Datum: NAVD88  
 Date: 5/24/24  
 Driller: REX  
 Hammer: Auto  
 Rig: CME 75

Bore # B-4  
 Station: 109+10, 85' RT.  
 Latitude: 28.210323°  
 Longitude: -80.732511°  
 Elevation: +26'  
 Vertical Datum: NAVD88  
 Date: 5/24/24  
 Driller: REX  
 Hammer: Auto  
 Rig: CME 75

- LEGEND**
- Sand
  - Silty-Sand
  - Clayey-Sand
- (SP) Unified soil classification group symbol
- 5-28-24 Water table level
  - Σ Estimated normal seasonal high water table
  - GSE Approximate Ground Surface Elevation
- Standard penetration resistance in blows per foot (18" spoon ASTM D-1586) using 140 lb automatic hammer
- W=- Natural moisture content (%) (FM J-T 265)  
 -200= Percent passing no. 200 U.S. Standard sieve
- ⊕ Standard Penetration Test (SPT) Boring Location

- NOTES**
- Plan view is preliminary for showing boring locations only and may not be indicative of final plans.
  - Subsurface variations between borings should be anticipated as indicated in Section 2-4 of the Standard Specifications.
  - Based on a review of the St. Johns River Water Management District Potentiometric map of the upper Floridan Aquifer for the Project Area, the maximum potential Artesian Head Elevation in the Floridan Aquifer is estimated to be +33 feet NGVD. The contractor shall be prepared to handle artesian water levels from the Floridan Aquifer up to elevation +35 feet NGVD. (Approximately +34 feet NAVD)



**GRANULAR MATERIALS**

Relative Density	SPT (Automatic) (Blows/ft.)
Very loose	Less than 3
Loose	3-8
Medium Dense	8-24
Dense	24-40
Very Dense	Greater than 40

**SILTS AND CLAYS**

Consistency	SPT (Automatic) (Blows/ft.)
Very soft	Less than 1
Soft	1-3
Firm	3-6
Stiff	6-12
Very stiff	12-24
Hard	Greater than 24

**ENVIRONMENTAL CLASSIFICATION:**

Substructure: Concrete: Slightly Aggressive  
 Steel: Moderately Aggressive (pH=6.7)

<p><b>REVISIONS</b></p> <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION							<p>MUSTAPHA A. ABBOD, P.E.          P.E. NO. 55012          PROFESSIONAL SERVICE IND., INC.          1740 33RD STREET          ORLANDO, FL 32839          CERTIFICATE OF AUTHORIZATION No. 00003684</p>				<p>DRAWN BY: DMF          CHECKED BY: MAA 5-30-24          DESIGNED BY: MAA 5-30-24          DATE: 5-30-24</p>			<p>BREVARD COUNTY</p> <table border="1"> <thead> <tr> <th>PROJECT NO.</th> <th>COUNTY</th> <th>FINANCE PROJECT ID</th> <th>PROJECT NAME</th> </tr> </thead> <tbody> <tr> <td> </td> <td>BREVARD</td> <td> </td> <td>STADIUM PARKWAY AND CUDDINGTON DRIVE INTERSECTION IMPROVEMENTS</td> </tr> </tbody> </table>			PROJECT NO.	COUNTY	FINANCE PROJECT ID	PROJECT NAME		BREVARD		STADIUM PARKWAY AND CUDDINGTON DRIVE INTERSECTION IMPROVEMENTS	<p>SHEET TITLE: REPORT OF SPT BORINGS FOR STRUCTURES</p>		<p>REP. OR. NO.:</p>	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION																																
PROJECT NO.	COUNTY	FINANCE PROJECT ID	PROJECT NAME																																		
	BREVARD		STADIUM PARKWAY AND CUDDINGTON DRIVE INTERSECTION IMPROVEMENTS																																		
<p>494172 7/24/2024 9:37:31 AM P:\7371-CADD\PROJECTS\23024\PROJ\ETD\0723774-SHEE001.dwg</p>																																					

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61D14-23.004, F.A.C.

LIGHTING GENERAL NOTES


1. STANDALONE POLES AND CORRESPONDING LIGHTING SYSTEM TO BE INSTALLED AND MAINTAINED BY FLORIDA POWER & LIGHT COMPANY (FPL). THE LIGHTING SYSTEMS MOUNTED TO THE MAST ARMS ARE TO BE INSTALLED AND MAINTAINED BY BREVARD COUNTY. ALL CONDUIT AND PULLBOXES SHOWN IN THESE PLANS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE LOCATIONS AND OFFSETS OF THE POLES, CONDUITS, AND PULLBOXES ARE BASED ON INFORMATION KNOWN AT THE TIME OF DESIGN AND MAYBE SHIFTED TO ACCOMMODATE LOCAL CONDITIONS AND EXISTING UTILITY LOCATIONS. ENGINEER APPROVAL IS REQUIRED FOR POLE ADJUSTMENTS GREATER THAN 5' IN ANY DIRECTION.
3. THE LOCATIONS OF THE UTILITIES SHOWN IN THE PLANS (INCLUDED THOSE DESIGNATED Vv, Vh, AND VvN) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY.
4. UTILITY OWNERS:  

AT&T/DISTRIBUTION	DJNO FARRUGGIO	627896@ATT.COM
BREVARD COUNTY WATER RESOURCES	ROY HAWTHORNE	(321)633-2093
CHARTER COMMUNICATIONS	GARY BLEVINS	(813)302-0800
CITY OF COCOA	KATHERINE ENNIS	(321)433-8797
FLORIDA CITY GAS	MICHAEL BRAD TERMINI	(321)213-8354
FPL (ELECTRIC)	JAMIE PURNELL	(386)586-6403
ZAYO	HENRY KLOBUCAR	(406)496-6510

FDOT DESIGN MANUAL LIGHTING DESIGN CRITERIA

SIGNALIZED INTERSECTION (NEW OR RECONSTRUCTION)

ILLUMINATION LEVEL AVERAGE FOOT CANDLE	3.0 H.F.C. STD. (1.5 MIN)
	1.5 V.F.C. STD (1.2 MIN)
ILLUMINATION UNIFORMITY RATIO (AVG/MIN)	4 : 1 OR LESS
ILLUMINATION UNIFORMITY RATIO (MAX/MIN)	10 : 1 OR LESS
DESIGN WIND SPEED (BREVARD COUNTY)	170 MPH

DATE		REVISIONS		
NO.	DATE	BY	REASON	
				
KIMLEY-HORN AND ASSOCIATES, INC. 101 W. PALM BEACH BOULEVARD, SUITE 200 PALM BEACH, FLORIDA 33480-3411 PHONE: 561-838-0111 FAX: 561-838-0112				
PLAN NUMBER 24033702	PROJECT NAME STADIUM PARKWAY AND CUDDINGTON DRIVE	SHEET NO. L-1	DATE 8/27/2025	DRAWN BY JLD
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE TOTALLY SIGNED AND SEALED UNDER RULE 6105-23.004, F.A.C.				

**LIGHTING GENERAL NOTES**


**STADIUM PARKWAY AND CUDDINGTON DRIVE**


BREVARD COUNTY  
SHEET NUMBER  
**L-1**


**LEGEND**


**SYMBOL**


**DESCRIPTION**


- 

PROPOSED LUMINAIRE ON STAND ALONE POLE, AMERICAN ELECTRIC LED AUTOBAHN ATB2, 264 WATT LED LUMINAIRE, TYPE IV DISTRIBUTION, 4000K, TO BE FURNISHED AND INSTALLED BY FPL  
IES FILE NAME: ATB2 P604 R4 4K
- 

PROPOSED LUMINAIRE ON STAND ALONE POLE, AMERICAN ELECTRIC LED AUTOBAHN ATB2, 186 WATT LED LUMINAIRE, TYPE IV DISTRIBUTION, 4000K, TO BE FURNISHED AND INSTALLED BY FPL  
IES FILE NAME: ATB2 P602 R4 RFD325043
- 

PROPOSED MAST ARM MOUNTED LUMINAIRE, AMERICAN ELECTRIC LED AUTOBAHN ATB2, 264 WATT LED LUMINAIRE, TYPE IV DISTRIBUTION, 4000K, WIRED FOR 120V OPERATION, TO BE FURNISHED AND INSTALLED BY BREVARD COUNTY  
IES FILE NAME: ATB2 P604 R4 4K
- 

PROPOSED MAST ARM MOUNTED LUMINAIRE, AMERICAN ELECTRIC LED AUTOBAHN ATB2, 186 WATT LED LUMINAIRE, TYPE IV DISTRIBUTION, 4000K, WIRED FOR 120V OPERATION, TO BE FURNISHED AND INSTALLED BY BREVARD COUNTY  
IES FILE NAME: ATB2 P602 R4 RFD325043
- 

EXISTING LIGHT POLE TO REMAIN
- 

PROPOSED PULL BOX

<b>STADIUM PARKWAY AND CADDINGTON DRIVE</b>	<b>LIGHTING LEGEND</b>	<b>Kimley»Horn</b>	<b>REVISIONS</b>	<b>DATE</b>
SHEET NUMBER <b>1-2</b>	DATE PROJECT 2/25/2025	DESIGNED BY JAC	CHECKED BY JAC	DATE 2/25/2025
BREVARD COUNTY	FLORIDA	DRAWN BY JAC	DATE 2/25/2025	DATE 2/25/2025
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 91C15-23.004, F.A.C.				

POLE DATA																							
POLE NO.	CIRCUIT NUMBER	LEAD CENTER NUMBER	STATION	POLE OFFSET	SIZE	ADJACENT SECTIONS	COORDINATES	POLE OWNER AND RESPONSIBLE AGENCY	POLE TYPE	FOUNDATION TYPE	COUNTY OF JURISDICTION	INPUT WATTAGE	LUMEN OUTPUT	INPUT VOLTAGE	CORRELATED COLOR TEMPERATURE	IES DISTRIBUTION PATTERN	TILT ANGLE	HEIGHT (FEET)	ARM LENGTH (FEET)	LUMINAIRE MODEL	IES FILE	LUMINAIRE TYPE	PAR ITEM NUMBER
1	FPL**	FPL**	10421.1	73.7'	BT	12.8'	N 120182.82 E 742026.38	FLORIDA POWER & LIGHT (FPL)	CONCRETE	FPL**	1	284	23,810	FPL**	4000K	MEDIUM	0	25	12	AUTOMATED LED CORNA HEAD	ATL2_P024_R4_0C	TYPE IV	FPL**
HA-01	A-1	N/A	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	LT	12.4'	N 140320.00 E 742101.00	BREVARD COUNTY	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	1	188	23,820	120	4000K	MEDIUM	0	40	12	AUTOMATED LED CORNA HEAD	ATL2_P024_R4_0C	TYPE IV	SEE SIGNALIZATION PLANS
HA-02	A-1	N/A	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	BT	21.1'	N 140320.00 E 742101.00	BREVARD COUNTY	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	1	188	23,820	120	4000K	MEDIUM	0	40	12	AUTOMATED LED CORNA HEAD	ATL2_P024_R4_0C	TYPE IV	SEE SIGNALIZATION PLANS
EA-01	EXIST.	EXIST.	EXIST.	EXIST.	LT	EXIST.	EXIST.	NOTA VIEJA ELEMENTARY SCHOOL	CONCRETE	EXIST.	1	241	24,140	480	4000K	MEDIUM	0	23	0.8	D-BECKES SIZE 1	0411_100_P0_000_13M_W017_02_1	TYPE III	EXIST.
HA-03	A-1	N/A	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	LT	18.0'	N 140320.00 E 742101.00	BREVARD COUNTY	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	1	204	23,820	120	4000K	MEDIUM	0	40	12	AUTOMATED LED CORNA HEAD	ATL2_P024_R4_0C	TYPE IV	SEE SIGNALIZATION PLANS
2	FPL**	FPL**	10424.8	88.8'	BT	14.8'	N 140322.81 E 742101.01	FLORIDA POWER & LIGHT (FPL)	CONCRETE	FPL**	1	188	23,820	FPL**	4000K	MEDIUM	0	25	12	AUTOMATED LED CORNA HEAD	ATL2_P024_R4_0C	TYPE IV	FPL**
HA-04	A-1	N/A	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	BT	22.8'	N 140322.81 E 742101.01	BREVARD COUNTY	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	1	204	23,820	120	4000K	MEDIUM	0	40	12	AUTOMATED LED CORNA HEAD	ATL2_P024_R4_0C	TYPE IV	SEE SIGNALIZATION PLANS
3	FPL**	FPL**	11071.4	37.3'	BT	8.8'	N 140322.81 E 742101.01	FLORIDA POWER & LIGHT (FPL)	CONCRETE	FPL**	1	204	23,820	FPL**	4000K	MEDIUM	0	25	12	AUTOMATED LED CORNA HEAD	ATL2_P024_R4_0C	TYPE IV	FPL**

POLE OFFSET IS THE HORIZONTAL DISTANCE FROM THE FACE OF CURB TO THE POLE TO BE CONSIDERED AND INSTALLED BY POLE COMPANY

DATE	
REVISION	
NO.	
DESCRIPTION	
DATE	
REVISION	
NO.	
DESCRIPTION	

**Kimley-Horn**  
 © 2015 KIMLEY-HORN AND ASSOCIATES, INC.  
 200 WEST WASHINGTON AVENUE, SUITE 200  
 TAMPA, FLORIDA 33601-3031  
 PH: 813-251-1000  
 WWW.KIMLEY-HORN.COM

DAY PROJECT: 2403250007  
 DATE AS SHOWN: 8/27/2025  
 DRAWN BY: JAC  
 CHECKED BY: JAC  
 SCALE: AS SHOWN  
 NUMBER OF SHEETS: 10  
 SHEET NO.: 10

**STADIUM PARKWAY AND CIDDINGTON DRIVE**  
 LIGHTING DATA TABLE  
 SHEET NUMBER: L-3

BREVARD COUNTY, FLORIDA  
 THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61C15-23.004, F.A.C.



COMPONENTS OF CONTRACT PLANS SET

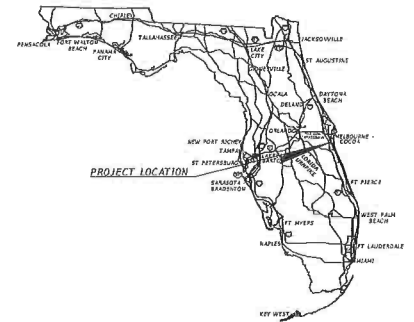
ROADWAY  
SIGNALIZATION

BREVARD COUNTY,  
FLORIDA

SIGNALIZATION PLANS

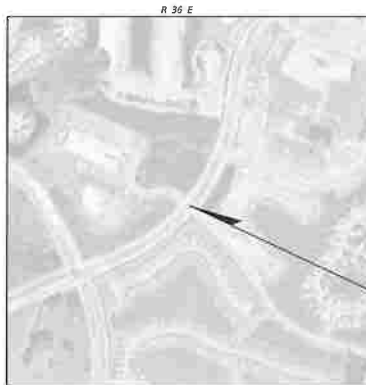
BREVARD COUNTY

STADIUM PARKWAY AND CUDDINGTON DRIVE  
WIDENING AND INTERSECTION IMPROVEMENTS



INDEX OF SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	SIGNATURE SHEET
T-3	TABULATION OF QUANTITIES
T-4 - T-5	GENERAL NOTES (01) - (02)
T-6	SIGNALIZATION PLAN
T-7	CONDUIT SCHEMATIC
T-8	PEDESTRIAN DETAIL
T-9	STANDARD HAST ARM TABULATION SHEET
T-10	STANDARD HAST ARM ASSEMBLIES DATA TABLE
T-11	GUIDESIGN WORKSHEET
T-12 - T-13	REPORT OF CORE BORINGS
L-1	LIGHTING GENERAL NOTES
L-2	LIGHTING LEGEND
L-3	LIGHTING DATA TABLE
L-4	LIGHTING PLAN



LOCATION MAP



T 26 S

PROJECT LOCATION  
STADIUM PARKWAY AND CUDDINGTON DRIVE

GOVERNING STANDARD PLANS:  
Florida Department of Transportation, FY2024-25 Standard plans for Road and Bridge Construction and applicable Interim Revisions (Irs).  
Standard Plans for Road Construction and associated Irs are available at the following website:  
<https://www.fdot.gov/design/StandardPlans.htm>

APPLICABLE IRS:  
Brevard County Land Development Exhibits are available at the following website:  
<https://www.brevardfl.gov/PublicWorks/Engineering>

GOVERNING STANDARD SPECIFICATIONS:  
Florida Department of Transportation, FY 2024-2025 Standard Specifications for Road and Bridge Construction at the following website:  
<https://www.fdot.gov/programmanagement/implemented/SpecBooks>

BREVARD COUNTY PROJECT MANAGER:  
VERÓNICA H. FIGUEROA-CHANZA, P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
	2024	T-1

Drawing name: C:\BTL\7770\923005\_BrowardCounty\_2002\_SignatureSheet\_CAD\SIGNATURE\_SHEET.dwg T-2 SIGNATURE SHEET Aug 29 2012 10:28am by: Hechler/McIntire

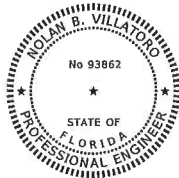


THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL  
 SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.  
 KIMLEY-HORN AND ASSOCIATES  
 200 SOUTH ORANGE AVENUE, SUITE 600  
 ORLANDO, FL 32801  
 REGISTRY NO. 35106  
 NICOLE R. HECK, P.E. NO. 84306

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	SIGNATURE SHEET
T-3	TABULATION OF QUANTITIES
T-4 - T-5	GENERAL NOTES (01) - (02)
T-6	SIGNALIZATION PLAN
T-7	CONDUIT SCHEMATIC
T-8	PEDESTRIAN DETAIL
T-9	STANDARD MAST ARM TABULATION SHEET
T-11	GUIDESIGN WORKSHEET



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL  
 SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.  
 KIMLEY-HORN AND ASSOCIATES  
 200 SOUTH ORANGE AVENUE, SUITE 600  
 ORLANDO, FL 32801  
 REGISTRY NO. 35106  
 NOLAN B. VILLATORO, P.E. NO. 93862

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
T-2	SIGNATURE SHEET
T-10	STANDARD MAST ARM ASSEMBLIES DATA TABLE



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ON THE DATE ADJACENT TO THE SEAL  
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 PROFESSIONAL SERVICE INDUSTRIES, INC  
 1748 33RD STREET  
 ORLANDO, FL 32839  
 MUSTAPHA A. ABOUDD, P.E. NO. 56112

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
T-2	SIGNATURE SHEET
T-12 - T-13	REPORT OF CORE BORINGS



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL  
 SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.  
 KIMLEY-HORN AND ASSOCIATES  
 200 SOUTH ORANGE AVENUE, SUITE 600  
 ORLANDO, FL 32801  
 REGISTRY NO. 35106  
 TIFFANY J. PARKER DOS SANTOS, P.E. NO. 87920

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
T-2	SIGNATURE SHEET
L-1	LIGHTING GENERAL NOTES
L-2	LIGHTING LEGEND
L-3	LIGHTING DATA TABLE
L-4	LIGHTING PLAN

<b>Kimley-Horn</b>							
P.O. BOX 2000, KIMLEY-HORN AND ASSOCIATES, INC. 100 S. UNIVERSITY AVENUE, SUITE 2000 ORLANDO, FL 32801 PHONE: (407) 261-1111 FAX: (407) 261-1111 WWW.KIMLEY-HORN.COM							
PROJECT NO. 7770-923005	PROJECT NAME STADIUM PARKWAY AND CODDINGTON DRIVE	PROJECT LOCATION BROWARD COUNTY, FLORIDA	PROJECT PHASE SIGNATURE SHEET	PROJECT START DATE AUGUST 2002	PROJECT END DATE JUNE 2011	PROJECT STATUS COMPLETE	PROJECT MANAGER NAME
SHEET NUMBER <b>T-2</b>							

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL		
			T-6		T-7		L-4								PLAN	FINAL	PLAN	FINAL	
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL					
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF				85										85	85		
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF				830										830	830		
632-7-1	SIGNAL CABLE - NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PJ	1													1	1		
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA				25		5								30	30		
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS				1										1	1		
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF				210										210	210		
639-3-11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA				1										1	1		
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-11 SERVICE POLE	EA				1										1	1		
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	7													7	7		
649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50"	EA	1													1	1		
649-21-15	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 70"	EA	2													2	2		
649-21-27	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 78"	EA	1													1	1		
650-1-34	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 4 SECTION, 1 WAY	AS	9													9	9		
650-1-36	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 4 SECTION, 1 WAY	AS	3													3	3		
653-1-11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	6													6	6		
653-1-12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAY	AS	1													1	1		
660-4-11	VEHICLE DETECTION SYSTEM, VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA	1													1	1		
660-4-12	VEHICLE DETECTION SYSTEM, VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA	4													4	4		
663-7-122	SIGNAL PRIORITY AND PREEMPTION SYSTEM, FURNISH AND INSTALL, OPS, DETECTOR	EA	1													1	1		
665-1-11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	8													8	8		
670-5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	AS	7													7	7		
682-1-133	ITS CCTV CAMERA, F&I, DOME ENCLOSURE - NON-PRESSURIZED, 1P, HIGH DEFINITION	EA	7													7	7		
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	1													1	1		
684-6-11	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL ETHERNET ACCESS POINT	EA	1													1	1		
684-6-12	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL ETHERNET SUBSCRIBER UNIT	EA	1													1	1		
685-1-13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET	EA	1													1	1		
700-3-203	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	4													4	4		
700-5-22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	4													4	4		
700-141-160	ENHANCED HIGHWAY SIGN ASSEMBLY, AC POWERED, F&I GROUND MOUNT, BLANK OUT SIGN <12 SF	EA	3													3	3		
715-1-12	LIFTING CONDUCTORS, F&I, INSULATED, NO. 6-6	LF					2,325									2,325	2,325		
715-5-31	LUMINAIRE & BRACKET ARM, ALUMINUM, FURNISH & INSTALL NEW LUMINAIRE AND ARM ON NEW/EXISTING POLE	EA	4													4	4		
715-500-1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL	EA					4									4	4		

PAY ITEM NOTES:

- PAY ITEM: 650-1-XX: SHALL BE BLACK POLYCARBONATE HEADS WITH DIALIGHT LED MODULES.
- PAY ITEM 660-4-12: VIDEO CAMERAS V2 & V4 SHALL BE HIOVISION-CORE DCM 4 SMARTVIEW 360 CAMERA VIDEO CAMERAS V1 & V3 SHALL BE HIOVISION-SHARTVIEW APPROACH CAMERA.
- PAY ITEM 665-1-11: SHALL BE POLARA-BULLDOG III SERIES VANDAL RESISTANT ADA PUSH BUTTON (MODEL: BDL3) WIRING (CONDUCTORS) TO ACCOMMODATE FOR FUTURE ACCESSIBLE PEDESTRIAN SIGNAL (AFS) DEVICES SHALL BE INCIDENTAL TO THIS PAY ITEM.
- PAY ITEM 670-5-110: TRAFFIC SIGNAL CABINET ASSEMBLY SHALL BE CUBIC COMMANDER ATC, CUBIC WIRED CABINET ASSEMBLY 700006-152/FL SIZE 6 DUAL DOOR WITH 32-CHANNEL DETECTOR PANEL. THE CABINET SHALL INCLUDE FOUR BUS AND DETECTOR PANEL WITH TERMINALS TO ACCOMMODATE MINIMUM 64 DETECTOR CHANNELS. THE SIGNAL CONTROLLER SHALL BE AIC SHELF MOUNT W/ ETHERNET TS-2, TYPE 1 OR BETTER PER MAINTAINING AGENCIES REQUIREMENT AND FOOT DISTRICT 5 THIS SOFTWARE, CAPABLE OF HIGH RESOLUTION DATA LOGGING AND ARE FORWARD COMPATIBLE WITH CV AND ICM EFFORTS.
- PAY ITEM 682-1-133: SHALL BE BOSCH AUTODOME IP STARLIGHT VGS-ITS1090P-30x6 OR VGG-ITS2-4DX WITH BOSCH NDA-U-RMT PENDANT PARAPET MOUNT AND PELCO PRODUCTS ASTRO-BRAC TRITON CLAMP KIT FOR 2" TUBE (PART: AB-3040-84-PNC).
- PAY ITEM 684-1-1: SHALL BE RUCKUS/COMMSCOPE-ICX7150-C12P OR ICX 8200-24P WITH TWO (2) AXIOM 1000BASE-LX SFP 1310NM 10KH LC SH TRANSCEIVERS.
- PAY ITEM 684-6-12: WIRELESS COMMUNICATION DEVICE SHALL BE UBIQUITI AIRMAX® NANOBEOAMS 5AC GEN 2 (MODEL: NBE-SAC-GEN2).
- PAY ITEM 685-1-13: SHALL BE ALPHA FXH HP 1100 UPS WITH (4) ALPHACELL240 XTV BATTERIES, REMOTE BATTERY MONITORING SYSTEM (RBMS) PLUS, AND ALPHA SE48-2216 ENCLOSURE (BASE-MOUNTED CABINET WITH SLIDE-OUT BATTERY TRAYS AND WITH GENERATOR ACCESS PANEL AND PLUG).
- PAY ITEM: 700-5-22: SHALL BE SOUTHERN MANUFACTURING CLEAN PROFILE LED ILLUMINATED STREET NAME SIGNS.
- PAY ITEM 715-5-31: THE LUMINAIRES SHALL BE COBRA HEAD. THE LUMINAIRES SHALL BE CONTROLLED BY ONE MASTER PHOTOCELL LOCATED OUTSIDE THE ELECTRICAL SERVICE DISCONNECT WIRED TO A DEDICATED CIRCUIT BREAKER WITHIN THE ELECTRICAL SERVICE DISCONNECT.

Drawing name: K:\02\_7770\24328052\_Rm\mch\DWG\_TMO2\_Schedule\ASB\_CAD\QUANTITIES\3\_TABULATION OF QUANTITIES.dwg Date: 2024-08-29 10:08 AM By: MCH/COMMSCOPE

DATE	
REVISIONS	
NO.	
DESCRIPTION	
<b>Kimley-Horn</b>	
<small>2024 KIMLEY-HORN AND ASSOCIATES, INC.                  1001 WEST 17TH AVENUE, SUITE 100                  DENVER, COLORADO 80202                  PHONE: (303) 733-8800                  FAX: (303) 733-8801                  WWW.KIMLEY-HORN.COM</small>	
DATE	
PROJECT	STADIUM PARAWAY AND CORDING DRIVE
PROJECT NO.	24031002
DATE	AUGUST 2024
DESIGNED BY	MIKE J. BROWN
CHECKED BY	MIKE J. BROWN
DATE	
SCALE	
PROJECT LOCATION	FLORIDA
COUNTY	HERNANDO COUNTY
SHEET NUMBER	7-3

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 8105-23.004, F.A.C.

**GENERAL NOTES**

1. EQUIPMENT, INSTALLATION, AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) SPECIFICATIONS AND THE FOLLOWING, UNLESS OTHERWISE NOTED.
  - a. FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
  - b. FDOT DESIGN MANUAL, LATEST EDITION.
  - c. BREVARD COUNTY SUPPLEMENTAL SPECIFICATIONS FOR SIGNALIZATION AND HIGHWAY LIGHTING, APRIL 25, 2018.
  - d. IF CONFLICTS ARISE, THE BREVARD COUNTY SUPPLEMENTAL SPECIFICATIONS SHALL GOVERN.
2. THE MAINTAINING AGENCY IS BREVARD COUNTY TRAFFIC OPERATIONS. THE CONTRACTOR SHALL NOTIFY THE MAINTAINING AGENCY AT LEAST 72 HOURS BEFORE BEGINNING TRAFFIC SIGNAL RELATED WORK (321-453-1440).
3. THE CONTRACTOR SHALL MAINTAIN THE TRAFFIC SIGNAL DURING THE PROJECT. FROM THE TIME WORK BEGINS OR ANY GROUND IS BROKEN ON SITE UNTIL FINAL ACCEPTANCE.
4. IN THE EVENT THAT PERMANENT VEHICLE DETECTION IS DISRUPTED, THE CONTRACTOR SHALL PROVIDE AN ALTERNATE MEANS OF DETECTION TO ALL LANES APPROACHING THE INTERSECTION, SEPARATING EACH MOVEMENT WHICH PREVIOUSLY HAD DETECTION.
5. THE CONTRACTOR SHALL HAVE AN IMSA LEVEL II CERTIFIED SIGNAL TECHNICIAN ON CALL WITHIN A MAXIMUM OF TWO HOURS RESPONSE TIME.
6. THE CONTRACTOR SHALL COORDINATE THE FINAL ACCEPTANCE INSPECTION IN ACCORDANCE WITH FDOT SPECIFICATION 611-2.2 WITH BOTH THE ENGINEER OF RECORD AND THE MAINTAINING AGENCY AT LEAST TEN DAYS IN ADVANCE SO THAT THEY CAN BE PRESENT. SIGNAL INSTALLATION INSPECTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATION 105-8.9.
7. THE CONTRACTOR IS REQUIRED TO SUBMIT ONE (1) ELECTRONIC COPY AND ONE (1) HARD COPY OF THE AS-BUILT DRAWINGS TO BREVARD COUNTY TRAFFIC OPERATIONS PRIOR TO INSPECTION OF THE COMPLETE TRAFFIC CONTROL SIGNAL AND DEVICE INSTALLATION. THE AS-BUILT DOCUMENTATION AND COMPONENTS SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATION 611-2.3.
8. THE CONTRACTOR IS REQUIRED TO PERFORM FIELD TESTS OF INSTALLATIONS IN ACCORDANCE WITH FDOT SPECIFICATION 611-4.
9. CHANGES IN THE PLACEMENT OF VEHICLE DETECTION LOOPS, ZONES OR ANY PART OF THE SIGNALIZATION PLANS ARE PROHIBITED, UNLESS WRITTEN APPROVAL IS OBTAINED FROM BREVARD COUNTY TRAFFIC OPERATIONS MANAGER OR THEIR DESIGNATED REPRESENTATIVE.
10. DETECTOR UNIT RACKS SHALL BE PLAINLY LABELED BY DETECTOR AND PHASE IN ACCORDANCE WITH THE SIGNAL-OPERATING PLAN AND NEMA STANDARD.
11. ALL SIGNAL HEADS SHALL HAVE TUNNEL VISORS, LED DISPLAYS, AND RETRO-REFLECTIVE BACKPLATES.
12. ALL VEHICULAR SIGNAL HEADS SHALL BE BLACK ALL POLYCARBONATE. FOR SPANWIRE INSTALLATIONS, THE TOP SECTION OF THE THREE-SECTION HEADS SHALL BE REINFORCED WITH A STAINLESS STEEL PLATE. ALL FIVE-SECTION SIGNAL HEADS SHALL OPEN AWAY FROM THE CENTER OF THE SIGNAL HEAD FOR SERVICE ACCESS.
13. FOR SPANWIRE INSTALLATIONS, FIVE-SECTION SIGNAL HEADS SHALL BE LIGHTWEIGHT WITH AN ALUMINUM TOP SECTION.
14. PEDESTRIAN FACILITIES SHALL NOT BE OBSTRUCTED BY SIGNAL EQUIPMENT AND SHALL MEET ALL ADA REQUIREMENTS.
15. THE CONTROLLER CABINET SHALL BE ORIENTED SO THAT THE DOOR OPENS AWAY FROM THE INTERSECTION.
16. THE CONTRACTOR SHALL HAND DIG THE FIRST FOUR (4) FEET AT EACH POLE LOCATION AND TWO (2) FEET AT EACH PEDESTAL LOCATION TO VERIFY NO UTILITIES CONFLICTS.
17. THE CONTRACTOR SHALL VERIFY COLOR CODES FOR BOTH SIGNAL CABLE AND INTERCONNECT CABLE WITH BREVARD COUNTY BEFORE ORDERING.

18. EQUIPMENT SHALL MEET THESE FUNCTIONAL SPECIFICATIONS OR REQUIREMENTS:
  - a. SIGNAL CONTROLLERS AND CABINETS - CABINET SHALL BE OF NEMA TS-2 TYPE I CONFIGURATION OF THE TRAFFICWARE DESIGN. EQUIPMENT SHALL BE COMPATIBLE WITH BREVARD COUNTY APTS SYSTEM UTILIZING THE TRAFFICWARE ATMS.NDVI SOFTWARE.
  - b. UNINTERRUPTIBLE POWER SUPPLIES - UPS UNITS SHALL INCLUDE AN ETHERNET REMOTE MANAGEMENT MODULE AND BE IP ADDRESSABLE. UNITS SHALL PROVIDE REMOTE HTTP WEB PAGE MANAGEMENT. A MINIMUM OF 1100 VA CAPACITY (9.1 AMPS OUTPUT) IS REQUIRED. UNITS SHALL PROVIDE VOLTAGE REGULATION IN VARIABLE POWER CONDITIONS. ADDITIONALLY, BATTERIES SUPPLIED WITH THE SYSTEM SHALL BE 100 AMP HOUR MINIMUM GAS TIGHT CONSTRUCTION.
  - c. GENERATORS - ES3000IS HONDA 3000WATT, 120V ELECTRIC START WITH INVERTER THAT PROVIDES STABLE POWER FOR COMPUTER EQUIPMENT.
  - d. TRAFFIC SIGNAL SERVICE PANEL - MEETING SPECIFICATIONS OF SQUARE D QO SERIES WITH LIGHTNING ARRESTER TERMINATED UNDER SEPARATE LUG AS REQUIRED BY NFPA 70, NATIONAL ELECTRICAL CODE.
  - e. TRAFFIC SIGNAL HEADS SHALL INCLUDE MINIMUM OF FIVE BOLTS CONNECTING THE BLACK POLYCARBONATE SIGNAL SECTIONS IN ADDITION TO THE TRI-STUD COUPLING. ADDITIONALLY, THE TOP SECTION SHALL INCLUDE A STAINLESS STEEL REINFORCEMENT PLATE TO STRENGTHEN THE TRI-STUD ATTACHMENT (REFER TO NOTE 13 FOR 5-SECTION SIGNAL HEAD).
  - f. PEDESTRIAN SIGNAL INDICATIONS SHALL BE 16" x 18" AND INCLUDE A LED COUNTDOWN DISPLAY.
  - g. PEDESTRIAN SIGNAL ASSEMBLIES SHALL BE BLACK POLYCARBONATE. THE MOUNTING ARMS SHALL BE EITHER POLYCARBONATE OR ALUMINUM. THE SIGNAL HEAD SHALL HAVE (2) - 3/8" WEEP HOLES PLACED IN THE BOTTOM.
  - h. PEDESTRIAN DETECTORS SHALL BE PIEZO ACTIVATED AND INCLUDE A MOMENTARY INDICATOR AND AUDIBLE TONE AS THE POLARA BULLDOG DETECTOR PROVIDES. DETECTOR HOUSING SHALL HAVE (1) - 1/2" WEEP HOLE PLACED IN THE BOTTOM.
  - i. VIDEO DETECTION - VIDEO DETECTION - MIOVISION CORE DCW + SMARTVIEW 360 CAMERA AND SMARTVIEW APPROACH CAMERAS, AND WITH SMARTSENSE 2-CAMERA DETECTION PLUS INTERSECTION MOVEMENT COUNT (IMC) PLATFORM.
  - j. VIDEO DETECTION - GRIDSMART - THE VIDEO DETECTION SYSTEM SHALL UTILIZE A TWO-CAMERA SYSTEM. MANUFACTURER-APPROVED SHIELDED-INSULATED ETHERNET CABLE WILL BE USED FROM CAMERA TO CONTROLLER CABINET. THE VIDEO DETECTION SYSTEM SHALL BE INSTALLED AS TO MANUFACTURER DESIGN SPECIFICATIONS AND SHALL CONFORM TO THE NEMA T-52 STANDARD. NO OTHER VIDEO DETECTION SYSTEM WILL BE ACCEPTED.
19. DISCONNECTS SHALL BE 18 CIRCUIT TERMINAL BLOCK SO THAT EACH WIRE OF A SIGNAL CABLE CAN BE TERMINATED UNDER A COMPRESSION TYPY SCREW. ALL SPARES ARE TO BE TERMINATED TO TERMINAL BLOCK OVERHEAD.
20. IN SPAN MOUNTED INSTALLATIONS, SIGNAL HEADS SHALL BE WIRED DIRECTLY TO THE TERMINAL BLOCK WITHOUT USING RING JOINTS. PLUGS-DROP HANGERS SHALL BE TRI-STUD AND SERAPED. ADJUSTABLE DROP TYPES ARE PROHIBITED.
21. A MINIMUM OF SIX (6) INCHES OF SLACK SHALL BE PLACED IN THE CONDUCTORS WHICH BYPASS HANGERS OR DISCONNECTS IN ORDER TO PREVENT CHAFFING AND TO PROVIDE FOR SERVICEABILITY.
22. IN SPAN MOUNTED INSTALLATIONS, TWO RUNS OF 16 CONDUCTOR SIGNAL CABLE SHALL BE PROVIDED FOR FUTURE EXPANSION. PEDESTRIAN HEADS AND PUSH BUTTON DETECTORS SHALL BE CABLED WITH 12 CONDUCTOR CABLE AND SHALL HAVE AT LEAST TWO SPARE WIRES FOR EACH HEAD OR BUTTON.
23. IN MOST ARM INSTALLATIONS, A SEPARATE CABLE SHALL BE RUN FROM MOST ARM BASE TO EACH SIGNAL HEAD. ALL VEHICULAR SIGNAL HEADS SHALL BE PROVIDED WITH THREE SPARE WIRES. PEDESTRIAN SIGNALS SHALL BE CONNECTED WITH A 5-CONDUCTOR CABLE AND PEDESTRIAN PUSH BUTTONS SHALL BE CONNECTED WITH A MINIMUM OF 3-CONDUCTOR CABLE. BELDEN WIRE ARE PROHIBITED.

24. BASKET TYPE CABLE STRAIN RELIEF SHALL BE UTILIZED TO SUSPEND CABLES FROM THE J-HOOK OF MOST ARM ASSEMBLIES. A MINIMUM OF SIX (6) FEET OF SLACK IN SIGNAL CONDUCTOR CABLES SHALL BE PLACED WITHIN THE UPRIGHT BASE SUCH THAT THE TERMINAL BLOCK CAN BE REMOVED FROM THE UPRIGHT TO ALLOW FOR TROUBLE SHOOTING.
25. ALL CABLING SHALL BE LABELED BY CABLE AND BY WIRE. INTERCONNECT CABLING SHALL INDICATE DIRECTION AND NEXT TERMINATED CABINET. ALL SPARES SHALL BE LABELED AS SPARES IN ASSOCIATED RUN SUCH AS "WB ARM" FOR THE WESTBOUND MASTARM SPARES. LABELING SHALL BE ATTACHED TO CABLE NEAR THE TERMINATION POINT.
26. CABINET WIRING SHALL BE NEATLY BUNDLED, SEPARATED, AND LABELED MOST ARM ASSEMBLIES SHALL BE UNPAINTED, GALVANIZED STEEL UNLESS DIRECTED DIFFERENTLY BY THE TRAFFIC OPERATIONS MANAGER.
27. THREE (3) CONDUIT RUNS SHALL BE PROVIDED BETWEEN EACH POLE AND THE CABINET ENTRY PULL BOX. PULL STRINGS SHALL BE INSTALLED IN EMPTY CONDUITS. AT A MINIMUM, THERE SHALL BE TEN (10) 2-INCH SCHEDULE 40 PVC CONDUITS ENTERING THE CONTROLLER CABINET AND THREE (3) 2-INCH SCHEDULE 40 PVC CONDUITS ENTERING THE UPS CABINET. SEE CABINET BASE DIAGRAM FOR ADDITIONAL INFORMATION.
28. PEDESTRIAN CABLE ASSEMBLIES SHALL BE CONTINUOUS FROM MOUNTING LOCATION TO CONTROL CABINET OR MOST ARM UPRIGHT. SPLICING WILL NOT BE ACCEPTED IN INTERMEDIATE LOCATIONS OR DISCONNECT HANGERS WITHOUT PRIOR WRITTEN APPROVAL FROM BREVARD COUNTY TRAFFIC OPERATIONS.
29. THE TRAFFIC OPERATIONS MANAGER, OR DESIGNATED REPRESENTATIVE, RESERVES THE RIGHT TO MAKE FIELD ADJUSTMENTS, IN WRITING.
30. THE CONTRACTOR SHALL FURNISH AND INSTALL GROUNDING AND LIGHTNING PROTECTION IN ACCORDANCE WITH FDOT SPECIFICATION 620. THE BREVARD COUNTY TRAFFIC SYSTEMS SUPERVISOR, OR DESIGNATED REPRESENTATIVE, SHALL BE PRESENT WHEN GROUND RODS ARE INSTALLED. CONTRACTOR SHALL SUBMIT ALL TEST REPORT DATA TO BREVARD COUNTY PRIOR TO FINAL ACCEPTANCE.
31. ELECTRICAL SERVICE REQUIRES A METER CAN, PER FPL SPECIFICATIONS, AS FOLLOWS:
  - a. ALL METER SOCKETS (METER ENCLOSURES) ARE TO BE PROVIDED AND INSTALLED BY THE CUSTOMER AND SHALL BE LISTED ON FPL'S APPROVED METER ENCLOSURE LIST.
  - b. THE METER ENCLOSURE SHOULD BE MARKED WITH THE ADDRESS AND IDENTIFIED AS A TRAFFIC SIGNAL SERVICE.
  - c. ALL TRAFFIC SIGNAL PLANS NEED TO INCLUDE A RISE-EN DIAGRAM FOR THE NEW SERVICE.
  - d. SERVICE TO TRAFFIC SIGNALS WILL BE 120V TO GROUND UNLESS SPECIFIED OTHERWISE. FEE FOR UNDERGROUND SERVICE SHALL BE PER THE CURRENT FPL TARIFF AND NEEDS TO BE PAID A MINIMUM THREE WEEKS PRIOR TO SERVICE CONNECTION. THE CONTRACTOR MUST PROVIDE AND INSTALL TRAFFIC SIGNAL HAND HOLE AT THE BASE OF DESIGNATED FPL POLE WITH 2" CONDUIT FROM HAND HOLE TO A 90 DEGREE BEND AT BASE OF POLE. HAND HOLE AND CONDUIT MUST BE INSTALLED TWO WEEKS PRIOR TO INSTALLATION OF FPL U-GUARD AND SERVICE CONDUCTOR UP THE POLE. IF LOCATION IS SERVED BY BURIED ELECTRIC, CONTACT FPL RELOCATION COORDINATOR TO COORDINATE CONNECTION OF ELECTRIC SERVICE.
32. PULL, SPLICE, AND JUNCTION BOX INSTALLATIONS AND RELOCATIONS SHALL MEET THE REQUIREMENTS OF FDOT SPECIFICATION 635 AND FDOT INDEX 635. SEPARATE PULL BOXES SHALL BE PROVIDED FOR SIGNAL, COMMUNICATION AND POWER CABLES.
33. AN ANTI-SIZE COMPOUND SHALL BE APPLIED TO THE THREADS OF ALL NUTS, BOLTS, AND ATTACHMENT HARDWARE WHICH ARE EXPOSED TO WEATHER.
34. A CONTACT PASTE SHALL BE APPLIED TO ALL CONNECTIONS INSIDE THE SERVICE DISCONNECT.
35. THE COUNTY SHALL HAVE FIRST RIGHT TO ANY EQUIPMENT DESIGNATED TO BE REMOVED FROM THE SITE. THE CONTRACTOR SHALL DELIVER ANY CLAIMED EQUIPMENT TO BREVARD COUNTY TRAFFIC OPERATIONS 580 HANCOCK DRIVE, HERRITT ISLAND, FLORIDA. ANY EQUIPMENT NOT CLAIMED BY BREVARD COUNTY SHALL BE DISPOSED OF PROPERLY BY THE CONTRACTOR, PER FDOT SPECIFICATION.

Drawing name: C:\Bids\7770-24032002\_BrevardCounty\_Traffic\_Signalization\7770-24\_GENERAL NOTES.rvt, 7-4 GENERAL NOTES (01) - Aug 29, 2024 12:22:28 PM - 3/7 Macmillan/McMillan

DATE	
SCALE	
SHEET NUMBER	
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DATE	

**Kimley-Horn**  
© 2024 KIMLEY-HORN AND ASSOCIATES, INC.  
 10000 W. STATE ROAD 170, SUITE 200  
 WINTER HAVEN, FL 33884  
 TEL: 888.234.6343 FAX: 888.234.6344

**GENERAL NOTES**  
(01)

**STADIUM PARKWAY AND CUDWORTH DRIVE**

SHEET NUMBER  
**7-4**

FLORIDA  
BREVARD COUNTY

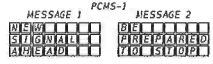
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61B03-23.000, F.A.C.

Drawing name: F:\DWG\7720-24283002\_7702\_Schematic\7702\_CAD\SERIALS\7702-24283002.dwg T-5 GENERAL NOTES (02) Aug 29, 2023 12:28pm by: hachem@hachem.com  
 hachem@hachem.com  
 The electronic file is the official record of this project. The printed file is for reference only.

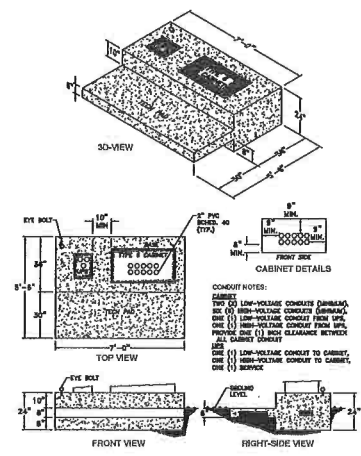
36. EXISTING SECTION CORNERS, 1/4 SECTION CORNERS, PROPERTY CORNERS, OR MONUMENTS TO BE DISTURBED BY CONSTRUCTION SHALL BE REFERENCED AND RESET BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF FLORIDA.
37. THE CONTRACTOR SHALL PROTECT ALL GEODETIC MONUMENTS. IF ANY MONUMENTS ARE TO BE DISTURBED, THE CONTRACTOR SHALL NOTIFY:  
  
 NATIONAL OCEAN SERVICE ADVISOR  
 BUREAU OF SURVEYING AND MAPPING  
 3900 COMMONWEALTH BOULEVARD, MS 105  
 TALLAHASSEE, FL 32303  
 850-245-2606
38. THE LOCATIONS OF KNOWN UTILITIES SHOWN ON THE PLAN ARE APPROXIMATE ONLY; EXACT LOCATIONS OF UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING, NOTIFYING, AND LOCATING ALL EXISTING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION. ANY UTILITY RELOCATION REQUIRED AFTER THE NOTICE TO PROCEED WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO COMPENSATION WILL BE CONSIDERED.
39. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY ALL UTILITIES IN THE AREA THAT MAY BE AFFECTED BY THE WORK. THIS IS IN ADDITION TO THE REQUIREMENT OF CONTACTING "SUNSHINE 811" AT (800) 432-4770.

**MAINTENANCE OF TRAFFIC**

1. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2009) AND THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION FY 2023-24.
2. IF THE CONTRACTOR REQUIRES OTHER THAN THE FDOT STANDARD PLANS 102 SERIES INDICES, THEN THE CONTRACTOR WILL HAVE TO SUBMIT SIGNED AND SEALED PLANS TO THE CITY FOR REVIEW AND APPROVAL.
3. THE POSTED SPEED ON STADIUM PARKWAY OF 40 MPH SHALL REMAIN DURING ALL PHASES OF CONSTRUCTION. THE POSTED SPEED ON CUDDINGTON DRIVE OF 30 MPH SHALL REMAIN DURING ALL PHASES OF CONSTRUCTION.
4. PLACE THE FOLLOWING PORTABLE CHANGABLE MESSAGE SIGN (PCMS) APPROXIMATELY 600' IN ADVANCE OF THE INTERSECTION ONCE SIGNAL IS IN FULL OPERATION (FLASH MODE IS NOT APPLICABLE) ON BOTH APPROACHES. IT SHOULD BE DISPLAYED FOR 14 DAYS (2 WEEKS). PCMS TO DISPLAY THE 2-PHASE MESSAGE (MESSAGE 1 AND 2).

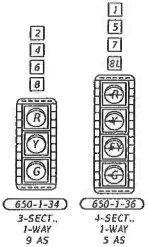


**CABINET BASE DIAGRAM**

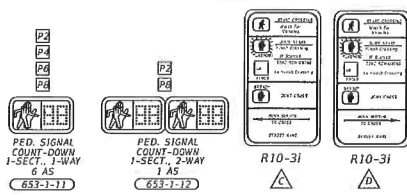


DATE	BY	REVISIONS					
<b>Kimley-Horn</b> <small>CONSULTING ENGINEERS AND ARCHITECTS, INC.</small> <small>200 S. PALM AVENUE, SUITE 200</small> <small>WEST PALM BEACH, FLORIDA 33411</small> <small>TEL: (561) 833-8800</small> <small>FAX: (561) 833-8801</small> <small>WWW.KIMLEY-HORN.COM</small>							
DATE	BY	REVISIONS					
<b>GENERAL NOTES</b> <b>(02)</b>							
<b>STADIUM PARKWAY AND CUDDINGTON DRIVE</b> <small>FLORIDA</small> <small>MIAMI COUNTY</small>							
<b>SHEET NUMBER</b> <b>7-5</b>							
<small>THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61D05-23.006, F.A.C.</small>							

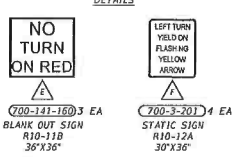
**SIGNAL DISPLAY DETAILS**



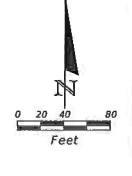
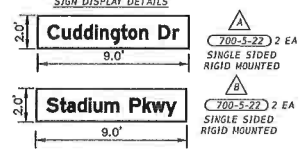
**PEDESTRIAN DISPLAY DETAILS**



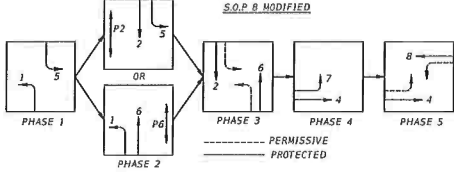
**OVERHEAD SIGN DETAILS**



**OVERHEAD STREET NAME SIGN DISPLAY DETAILS**



**SIGNAL OPERATING PLAN**



**CONTROLLER TIMING PLAN**

CONTROLLER PHASE	1	2	4	5	6	7	8
DIRECTION	NBL	SB	EB	SBL	NB	EBL	WB
TURN TYPE	P1/PM	-	P1/PM	-	P1/PM	-	P1/PM
MINIMUM GREEN	3.0	15.0	7.0	5.0	15.0	3.0	7.0
EXTENSION (PASSAGE)	3.0	5.0	3.0	3.0	5.0	3.0	3.0
MAXIMUM GREEN I	20	50	35	25	25	35	50
MAXIMUM GREEN II	20	45	30	25	25	25	25
YELLOW	4.4	4.4	3.7	4.4	4.4	3.7	3.7
ALL RED	4.6	4.6	4.9	4.5	4.6	4.9	4.9
PEDESTRIAN WALK	-	7	7	-	7	-	7
FLASH DON'T WALK	-	18	28	-	17	-	31
SOAK ENTRY	-	-	-	-	-	-	-
RECALL	-	-	-	-	-	-	-

- FLASHING YELLOW ARROW FOR MOVEMENT 3 (PHASE 8) WILL ONLY OPERATE AS PERMISSIVE BUT SHOULD BE WIRED TO OPERATE AS PROTECTED/PERMISSIVE.
- BLANK OUT SIGN WILL ACTIVATE WHEN PUSH BUTTON PHASE III CONFLICT WITH RESPECTIVE RIGHT TURN MOVEMENT IS ACTIVATE.
- SIGNAL TIMINGS ARE INITIAL AND MAY NEED FIELD ADJUSTMENTS.

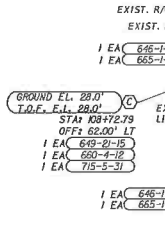
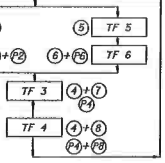
**VIDEO DETECTION ASSIGNMENTS**

VIDEO CAMERA	DETECTION ZONE NO.	SIZE	DETECTOR OPERATION	DELAY TIME (SECONDS)
V1	1	6' X 40'	NORMAL	-
	6	6' X 6'	NORMAL	-
V2	4	6' X 40'	DELAY	5
	7	6' X 40'	NORMAL	-
V3	2	6' X 6'	NORMAL	-
	5	6' X 40'	NORMAL	-
V4	8A	6' X 40'	NORMAL	-
	8B	6' X 40'	DELAY	5

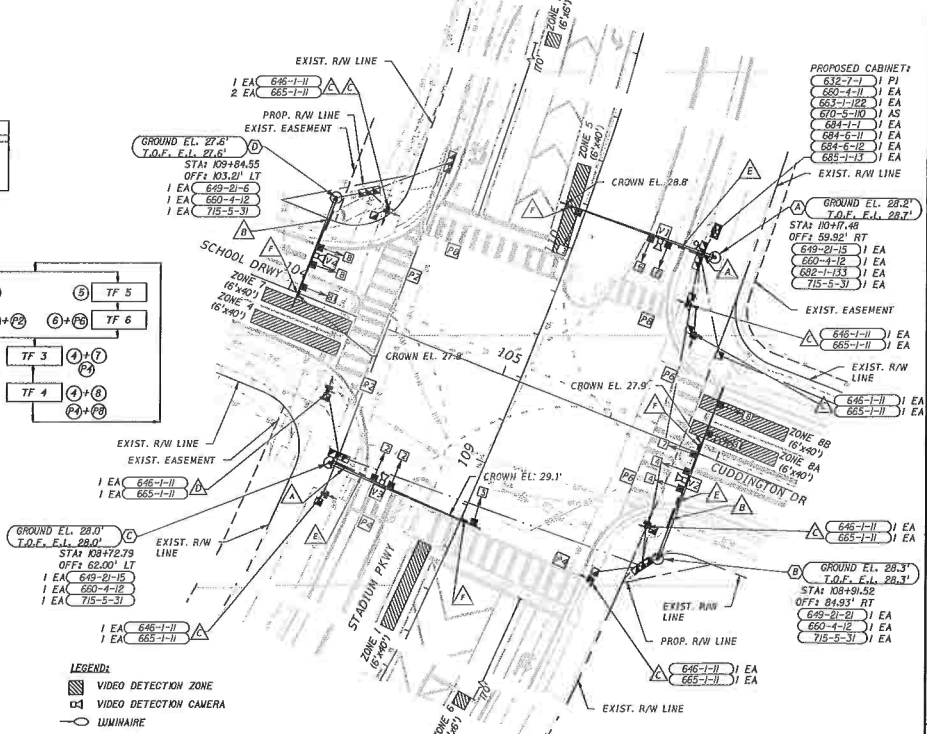
DELAY TIMINGS ARE INITIAL AND MAY NEED FIELD ADJUSTMENTS.

**GENERAL NOTES:**

- MAJOR STREET IS STADIUM PARKWAY (SPEED LIMIT IS 40 MPH).
- MINOR STREET NAME IS CUDDINGTON DRIVE (SPEED LIMIT IS 30 MPH).
- ALL STATION AND OFFSETS ARE MEASURED OFF OF CL CONST. STADIUM PARKWAY.



- LEGEND:**
- VIDEO DETECTION ZONE
  - VIDEO DETECTION CAMERA
  - LUMINAIRE



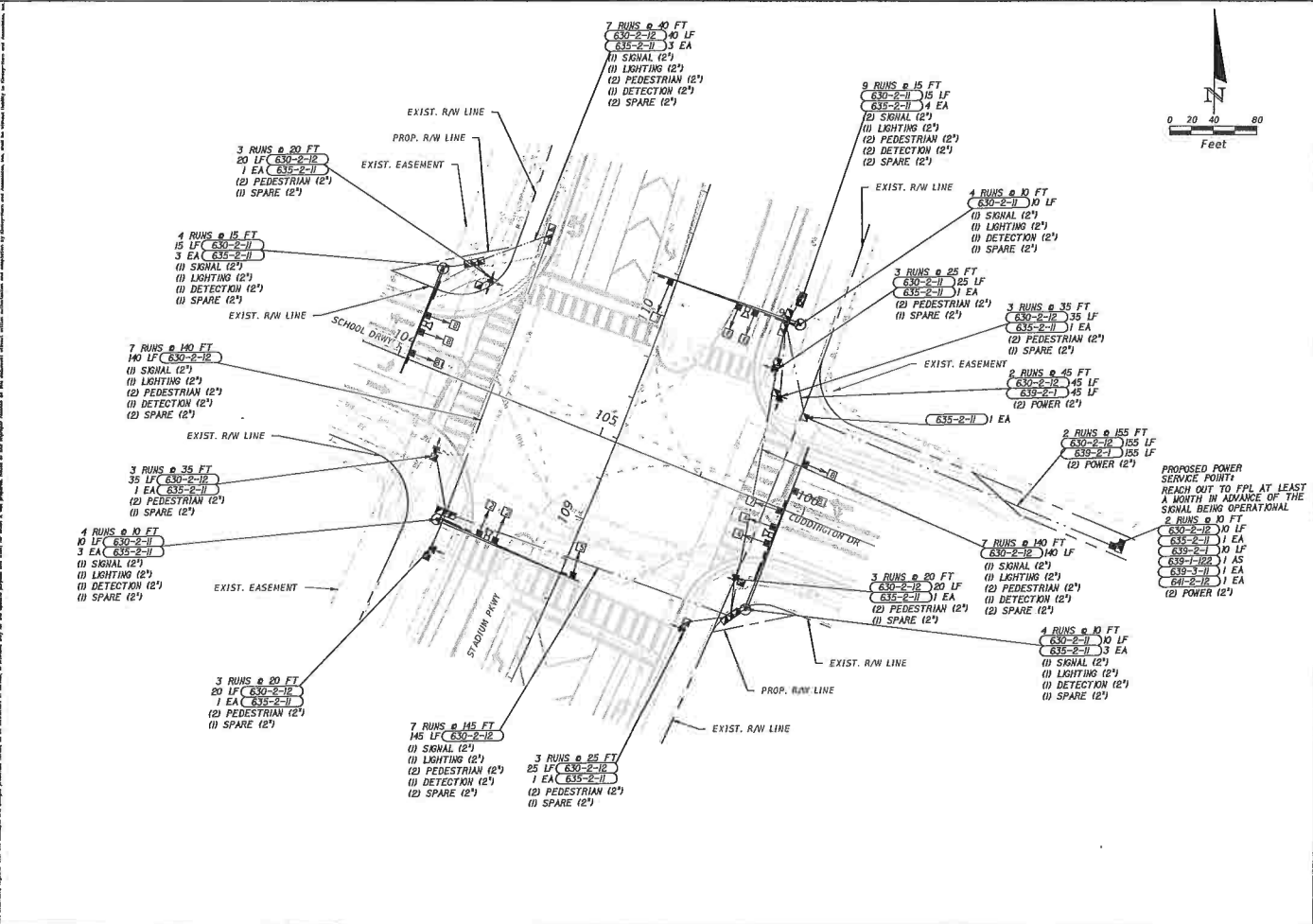
**Kimley-Horn**

**SIGNALIZATION PLAN**

STADIUM PARKWAY AND CUDDINGTON DRIVE

DATE: 11/15/2022  
SHEET NUMBER: T-6

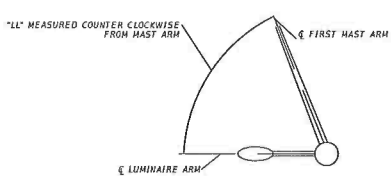
Drawing name: C:\DRG\7702\25050502\_00\STADIUMPARWAY.CONDUIT.SCHMATIC.dwg DATE: 08/25/2005 10:58:58 AM User: hickman



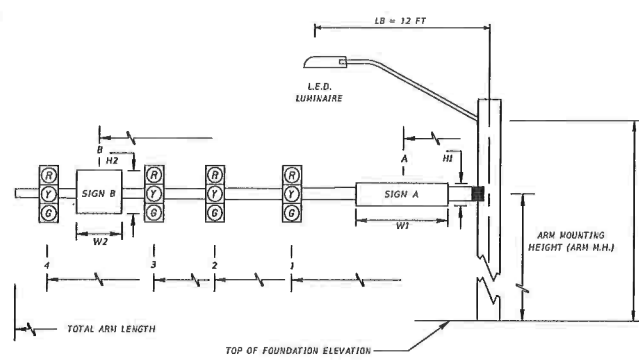
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DATED 08/25/2005 AND SEALED UNDER RULE 61C5-23.004, F.A.C.



Drawing name: C:\GDL\7700\2525002\BrewardCounty\STADIUM\PROPOSED STANDARD MAST ARM TABULATION.dwg T-15 MAST ARM TABULATION Aug 23, 2025 10:24am by: MarkHickel@hickel.com  
 File name: C:\GDL\7700\2525002\BrewardCounty\STADIUM\PROPOSED STANDARD MAST ARM TABULATION.dwg T-15 MAST ARM TABULATION Aug 23, 2025 10:24am by: MarkHickel@hickel.com  
 Plot name: C:\GDL\7700\2525002\BrewardCounty\STADIUM\PROPOSED STANDARD MAST ARM TABULATION.dwg T-15 MAST ARM TABULATION Aug 23, 2025 10:24am by: MarkHickel@hickel.com



**MAST ARM TABULATION**



LG = 37.5 FT (LUMINAIRE MOUNTING HEIGHT PER FOOT STANDARD PLAN INDEX 649-030 AND 649-031)

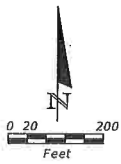
ID NO.	SHEET NO.	LOCATION BY STA.	TOP OF FOUND. ELEVATION	RDY. ARM NO.	CROWN ELEV.	LUMI. NAIRE Y/N	TERM. COMP. Y/N	SIGNAL DATA										TOTAL ARM LENGTH	ADM. H.H.	LL	SIGN DATA									DETECTION	PAINT COLOR			
								SIGNAL Y/N	BACK PLATES Y/N	PED. SIGNAL Y/N	DISTANCE FROM POLE					DISTANCE FROM POLE/HEIGHT & WIDTH OF SIGN																		
											1	2	3	4	5	A	H1				W1	B	H2	W2	C	H3	W3							
<b>PROPOSED LOADING</b>																																		
A	T-6	STA 110+17.48; 59.92' RT	28.7'	1	28.8'	Y	Y	V	Y	N	20.0'	3	28.0'	3	61.5'	4		70'	21'	0'	6.0'	2.0'	9.0'	14.0'	3.0'	3.0'	66.5'	3.0'	2.5'	24'	GALVANIZED			
B	T-6	STA 108+91.52; 84.93' RT	28.4'	1	27.9'	Y	Y	V	Y	N	30.5'	3	28.5'	3	46.5'	4	57.5'	4	71.0'	3	78'	21'	80'	17.0'	2.0'	9.0'	25.0'	3.0'	3.0'	50.5'	3.0'	2.5'	35'	GALVANIZED
C	T-6	STA 108+72.79; 62.00' LT	28.0'	1	29.1'	Y	Y	V	Y	N	19.5'	3	27.5'	3	67.0'	4		70'	22'	45'	6.0'	2.0'	9.0'	14.0'	3.0'	3.0'	67.5'	3.0'	2.5'	23.5'	GALVANIZED			
D	T-6	STA 109+84.55; 103.21' LT	27.6'	1	27.8'	Y	Y	V	Y	N	22.0'	3	30.0'	3	45.5'	4		50'	21'	45'	11.0'	2.0'	9.0'	45.0'	3.0'	2.5'				28'	GALVANIZED			
<b>FUTURE (DESIGN) LOADING</b>																																		
A	T-6	STA 110+17.48; 59.92' RT	28.7'	1	28.8'	Y	Y	V	Y	N	17.5'	3	32.0'	3	60.0'	3	68.0'	4		70'	21'	0'	6.0'	2.0'	9.0'	14.0'	3.0'	3.0'	66.5'	3.0'	3.0'	36.5' . 45'	GALVANIZED	
C	T-6	STA 108+72.79; 62.00' LT	28.0'	1	29.1'	Y	Y	V	Y	N	20.5'	3	32.0'	3	60.0'	3	68.0'	4		70'	22'	45'	6.0'	2.0'	9.0'	14.0'	3.0'	3.0'	66.5'	3.0'	3.0'	36.5' . 45'	GALVANIZED	
D	T-6	STA 109+84.55; 103.21' LT	27.6'	1	27.8'	Y	Y	V	Y	N	22.0'	3	40.0'	3	48.0'	4		50'	21'	45'	11.0'	2.0'	9.0'	45.0'	3.0'	3.0'				36.5' . 21.5'	GALVANIZED			

\* = DENOTES NUMBER OF SECTIONS IN SIGNAL HEAD ASSEMBLY

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<b>PROJECT LOCATION</b>	
<b>PROJECT DESCRIPTION</b>	



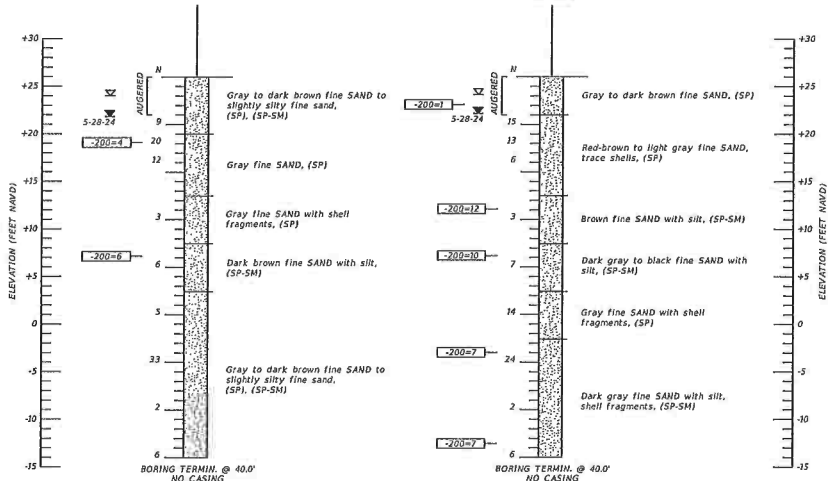




Bore # B-1  
 Station: 109+00, 80' LT.  
 Latitude: 28.210472°  
 Longitude: -80.732995°  
 Elevation: +26'  
 Vertical Datum: NAVD83  
 Date: 5/28/24  
 Driller: REX  
 Hammer: Auto  
 Rig: CME 75

Bore # B-2  
 Station: 109+80, 80' LT.  
 Latitude: 28.210570°  
 Longitude: -80.732900°  
 Elevation: +26'  
 Vertical Datum: NAVD83  
 Date: 5/28/24  
 Driller: REX  
 Hammer: Auto  
 Rig: CME 75

- LEGEND**
- Sand
  - (SP) Unified soil classification group symbol
  - 5-28-24 Water table level
  - Estimated normal seasonal high water table
  - N Standard penetration resistance in blows per foot (18" spoon ASTM D-1586) using 140 lb automatic hammer
  - Standard Penetration Test (SPT) Boring Location
- NOTES**
- Plan view is preliminary for showing boring locations only and may not be indicative of final plans.
  - Subsurface variations between borings should be anticipated as indicated in section 2-4 of the Standard Specifications.
  - Based on a review of the St. Johns River Water Management District Potentiometric map of the upper Floridan Aquifer for the Project Area, the maximum potential Artesian Head Elevation in the Floridan Aquifer is estimated to be +35 feet, NGVD. The contractor shall be prepared to handle artesian water levels up to the Floridan Aquifer up to elevation +35 feet, NGVD. (Approximately +34 feet NAVD)



GRANULAR MATERIALS	
Relative Density	SPT (Automatic) (Blows/ft.)
Very loose	Less than 3
Loose	3-8
Medium Dense	8-24
Dense	24-40
Very Dense	Greater than 40

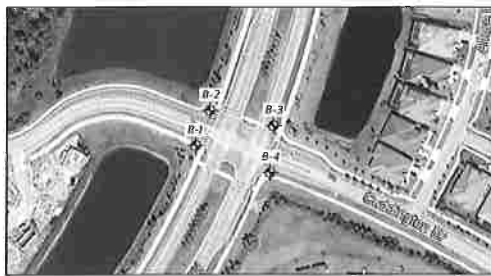
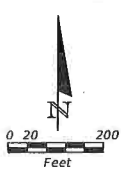
SILTS AND CLAYS	
Consistency	SPT (Automatic) (Blows/ft.)
Very soft	Less than 1
Soft	1-3
Firm	3-6
Stiff	6-12
Very stiff	12-24
Hard	Greater than 24

**ENVIRONMENTAL CLASSIFICATION:**

Substructure: Concrete: Slightly Aggressive  
 Steel: Moderately Aggressive (pH=6.7)

<p>DATE BY DESCRIPTION</p>				<p>REVISIONS</p>				<p>MUSTAPHA A. ABOUD, P.E.          P.E. NO. 56912          PROFESSIONAL SERVICE INC., INC.          1740 33RD STREET          ORLANDO, FL 32839          CERTIFICATE OF AUTHORIZATION No. 00003684</p>				<p>DRAWN BY          CHECKED BY          IN CHARGE BY          DATE</p>				<p>BREVARD COUNTY</p>				<p>SHEET TITLE          REPORT OF SPT BORINGS FOR STRUCTURES</p>				<p>RFI: RWL:NA</p>			
												<p>ROAD NO. COUNTY FINANCIAL PROJECT ID PROJECT NAME</p>				<p>STADIUM PARKWAY AND CUDDINGTON DRIVE INTERSECTION IMPROVEMENTS</p>				<p>SHEET NO.          T-12</p>							
								<p>494172</p>				<p>7/24/2024 9:27:48 AM</p>				<p>PROJECTS\2024\PROJECTS\2024\PROJECTS\0197379\FIN\SH001.dwg</p>											

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61D15-23.004, F.A.C.



Bore # B-3  
 Station: 10+00, 53' RT.  
 Latitude: 28.210588°  
 Longitude: -80.732488°  
 Elevation: +26'  
 Vertical Datum: NAVD83  
 Date: 5/24/24  
 Driller: REX  
 Hammer: Auto  
 Rig: CME 75

Bore # B-4  
 Station: 109+10, 85' RT.  
 Latitude: 28.210323°  
 Longitude: -80.732511°  
 Elevation: +26'  
 Vertical Datum: NAVD83  
 Date: 5/24/24  
 Driller: REX  
 Hammer: Auto  
 Rig: CME 75

**LEGEND**

Sand  
 Silty-Sand  
 Clayey-Sand

(SP) Unified soil classification group symbol

5-28-24 Water table level

SE Estimated normal seasonal high water table

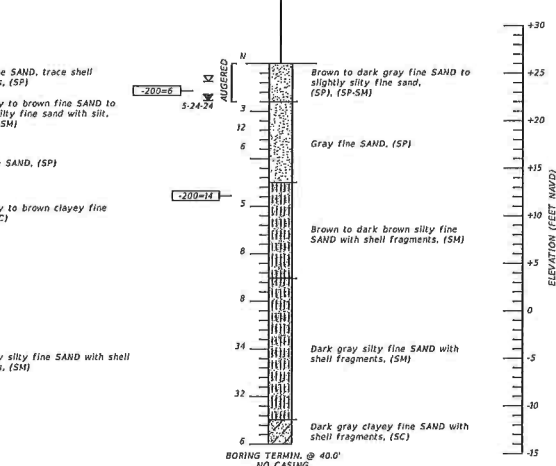
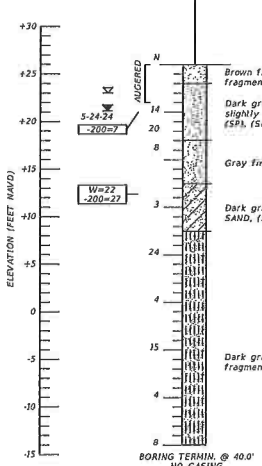
GSE Approximate Ground Surface Elevation

Standard penetration resistance in blows per foot (18" spoon ASTM D-1586) using 140 lb automatic hammer

N Natural moisture content (%) (FM 1-T 265)

-200= Percent passing no. 200 U.S. standard sieve

◆ Standard Penetration Test (SPT) Boring Location



- NOTES**
- Plan view is preliminary for showing boring locations only and may not be indicative of final plans.
  - Subsurface variations between borings should be anticipated as indicated in Section 2-4 of the Standard Specifications.
  - Based on a review of the St. Johns River Water Management District Potentiometric map of the upper Floridan Aquifer for the Project Area, the maximum potential Artesian Head Elevation in the Floridan Aquifer is estimated to be +35 feet, NGVD. The contractor shall be prepared to handle artesian water levels from the Floridan Aquifer up to elevation +35 feet, NGVD. (Approximately +34 feet NAVD)

**GRANULAR MATERIALS**

Relative Density	SPT (Automatic) (Blows/ft.)
Very loose	Less than 3
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Medium Dense	8-24
Dense	24-40
Very Dense	Greater than 40

**SILTS AND CLAYS**

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Very soft	Less than 1
Soft	1-3
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Stiff	6-12
Very stiff	12-24
Hard	Greater than 24

**ENVIRONMENTAL CLASSIFICATION:**

Substructure: Concrete: Slightly Aggressive  
 Steel: Moderately Aggressive (pH=6.7)

REVISIONS						DRAWN BY: OW	BREVARD COUNTY	SHEET TITLE: REPORT OF SPT BORINGS FOR STRUCTURES	REF. DIV. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				
						DESIGNED BY: JMA 8-30-24	ROAD NO.	PROJECT NAME: STADIUM PARKWAY AND CUDDINGTON DRIVE INTERSECTION IMPROVEMENTS	SHEET NO. T-13
						CHECKED BY: JMA 8-30-24	COUNTY BREVARD	FINANCIAL PROJECT ID	
						DESIGNED BY: MAA 8-30-24			

MUSTAPHA A. ABBUDD, P.E.  
 P.E. NO. 5682  
 PROFESSIONAL SERVICE INC., INC.  
 1748 33RD STREET  
 ORLANDO, FL 32839  
 CERTIFICATE OF AUTHORIZATION No. 00003684

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61013-23.004, F.A.C.

### LIGHTING GENERAL NOTES

1. STANDALONE POLES AND CORRESPONDING LIGHTING SYSTEM TO BE INSTALLED AND MAINTAINED BY FLORIDA POWER & LIGHT COMPANY (FPL) THE LIGHTING SYSTEMS MOUNTED TO THE MAST ARMS ARE TO BE INSTALLED AND MAINTAINED BY BREVARD COUNTY. ALL CONDUIT AND PULLBOXES SHOWN IN THESE PLANS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE LOCATIONS AND OFFSETS OF THE POLES, CONDUITS, AND PULLBOXES ARE BASED ON INFORMATION KNOWN AT THE TIME OF DESIGN AND MAYBE SHIFTED TO ACCOMMODATE LOCAL CONDITIONS AND EXISTING UTILITY LOCATIONS. ENGINEER APPROVAL IS REQUIRED FOR POLE ADJUSTMENTS GREATER THAN 5' IN ANY DIRECTION.
3. THE LOCATIONS OF THE UTILITIES SHOWN IN THE PLANS (INCLUDED THOSE DESIGNATED Vv, Vh, AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY.
4. UTILITY OWNERS:

AT&T/DISTRIBUTION	DINO FARRUGGIO	G27898@ATT.COM
BREVARD COUNTY WATER RESOURCES	ROY HANTHORPE	(321)633-2093
CHARTER COMMUNICATIONS	GARY BLEVINS	(813)302-0200
CITY OF COCOA	KATHERINE ENNIS	(321)433-8797
FLORIDA CITY GAS	MICHAEL BRAD TERMINI	(321)213-8254
FPL (ELECTRIC)	JAMIE PURNELL	(386)586-6403
ZAYO	HENRY KLOBUCAR	(406)496-6510

### FDOT DESIGN MANUAL LIGHTING DESIGN CRITERIA

#### SIGNALIZED INTERSECTION (NEW OR RECONSTRUCTION)

ILLUMINATION LEVEL AVERAGE FOOT CANDLE	3.0 H.F.C. STD. (1.5 MIN)
	1.5 V.F.C. STD (1.2 MIN)
ILLUMINATION UNIFORMITY RATIO (AVG/MIN)	4 : 1 OR LESS
ILLUMINATION UNIFORMITY RATIO (MAX/MIN)	10 : 1 OR LESS
DESIGN WIND SPEED (BREVARD COUNTY)	170 MPH







DATE	BY	REVISIONS	NO.	<b>Kimley-Horn</b>			
				400 S. BOULDER AVENUE AND ADDENDUM INC. 1000 PINE AVE. SUITE 200 FORT LAUDERDALE, FL 33304 PHONE: (954) 473-1111 FAX: (954) 473-1112 WWW.KIMLEY-HORN.COM			
DATE PROJECT	ISSUED FOR	ISSUED BY	DATE PROJECT	ISSUED FOR	ISSUED BY	DATE PROJECT	ISSUED FOR
2/25/2007	8/25/2005	J.S. DODD	2/25/2007	8/25/2005	J.S. DODD	2/25/2007	8/25/2005
				PROJECT NO. 05-0000000000 SHEET NO. 05-0000000000 SHEET OF 10			
<b>LIGHTING GENERAL NOTES</b>				<b>LIGHTING GENERAL NOTES</b>			
<b>STADIUM PARKWAY AND CODDINGTON DRIVE</b>				<b>STADIUM PARKWAY AND CODDINGTON DRIVE</b>			
BREVARD COUNTY				BREVARD COUNTY			
FLORIDA				FLORIDA			
SHEET NUMBER				SHEET NUMBER			
L-1				L-1			

THE OPTIONAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61C5-3.000, F.A.C.

### LEGEND

**SYMBOL**

**DESCRIPTION**

-  PROPOSED LUMINAIRE ON STAND ALONE POLE, AMERICAN ELECTRIC LED AUTOBAHN ATB2, 264 WATT LED LUMINAIRE, TYPE IV DISTRIBUTION, 4000K, TO BE FURNISHED AND INSTALLED BY FPL  
IES FILE NAME: ATB2 P604 R4 4K
-  PROPOSED LUMINAIRE ON STAND ALONE POLE, AMERICAN ELECTRIC LED AUTOBAHN ATB2, 186 WATT LED LUMINAIRE, TYPE IV DISTRIBUTION, 4000K, TO BE FURNISHED AND INSTALLED BY FPL  
IES FILE NAME: ATB2 P602 R4 RP0325843
-  PROPOSED MAST ARM MOUNTED LUMINAIRE, AMERICAN ELECTRIC LED AUTOBAHN ATB2, 264 WATT LED LUMINAIRE, TYPE IV DISTRIBUTION, 4000K, WIRED FOR 120V OPERATION, TO BE FURNISHED AND INSTALLED BY BREVARD COUNTY  
IES FILE NAME: ATB2 P604 R4 4K
-  PROPOSED MAST ARM MOUNTED LUMINAIRE, AMERICAN ELECTRIC LED AUTOBAHN ATB2, 186 WATT LED LUMINAIRE, TYPE IV DISTRIBUTION, 4000K, WIRED FOR 120V OPERATION, TO BE FURNISHED AND INSTALLED BY BREVARD COUNTY  
IES FILE NAME: ATB2 P602 R4 RP0325843
-  EXISTING LIGHT POLE TO REMAIN
-  PROPOSED PULL BOX

<b>STADIUM PARKWAY AND CADDINGTON DRIVE</b>	<b>FLORIDA</b>	<b>LIGHTING LEGEND</b>	<small>DATE PROJECT</small> 2/23/2022	<small>ISSUED FOR PERMIT</small> 9/27/2022	<small>PROJECT NUMBER</small> 19774	<small>DATE</small> 
			<small>DATE OF ISSUE</small> 9/27/2022	<small>ISSUED BY</small> JCH	<small>PROJECT NUMBER</small> 19774	<small>DATE</small> 
<small>SHEET NUMBER</small> L-2	<small>FLORIDA</small> 	<small>PROJECT NUMBER</small> 19774	<small>DATE</small> 	<small>ISSUED BY</small> JCH	<small>PROJECT NUMBER</small> 19774	<small>DATE</small> 
<b>Kimley-Horn</b> <small>© 2022 KIMLEY-HORN AND ASSOCIATES, INC. 305 S. MILITARY AVENUE, SUITE 200 TALLAHASSEE, FLORIDA 32303 PHONE: (904) 833-1111 WWW.KIMLEY-HORN.COM</small>						

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POLE NO.	CIRCUIT NUMBER	LOAD CENTER NUMBER	STATION	POLE OFFSET	SIDE	HIGHWAY DISTANCE	COORDINATES	POLE OWNER AND MOUNTING HEIGHT	POLE TYPE	FOUNDATION TYPE	DIMENSIONS OF LUMINAIRE	INPUT AMTAGE	INPUT VOLTAGE	INPUT VOLTAGE	CORRELATED COLOR TEMPERATURE	IES DISTRIBUTION PATTERN	TILT ANGLE	MOUNTING HEIGHT (FT)	ARM LENGTH (FT)	LUMINAIRE MODEL	IES FILE	LUMINAIRE TYPE	PAR ITEM NUMBER
1	FPL**	FPL**	100+21.1	75.5'	RT	22.8	N: 1491181.82 E: 743208.99	FLORIDA POWER & LIGHT (FPL)	CONCRETE	FPL**	1	284	21,810	FPL**	4000K	MEDIUM	0	23	12	AUTODRAW LED COBRA HEAD	AFR2_P024_R4_0K	TYPE IV	FPL**
WA-03	A-1	N/A	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	LT	12.4'	N: 1492295.08 E: 743183.09	BREVARD COUNTY	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	1	180	21,810	170	4000K	MEDIUM	0	49	12	AUTODRAW LED COBRA HEAD	AFR2_P024_R4_M0225043	TYPE IV	SEE SIGNALIZATION PLANS
WA-02	A-1	N/A	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	RT	21.1'	N: 1492294.88 E: 743210.22	BREVARD COUNTY	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	1	180	21,810	170	4000K	MEDIUM	0	49	12	AUTODRAW LED COBRA HEAD	AFR2_P024_R4_M0225043	TYPE IV	SEE SIGNALIZATION PLANS
E-01	EXIST.	EXIST.	EXIST.	EXIST.	LT	EXIST.	EXIST.	SOUTH WIDEA RECREATION SCHOOL	CONCRETE	EXIST.	1	241	20,784	480	4000K	MEDIUM	0	23	2.3	Q-JEKEES SITE 1	QJSL_LED_P3_ANK_120_200V_01_1	TYPE III	EXIST.
WA-03	A-1	N/A	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	LT	76.0'	N: 1492000.20 E: 743170.41	BREVARD COUNTY	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	1	204	21,810	170	4000K	MEDIUM	0	40	12	AUTODRAW LED COBRA HEAD	AFR2_P024_R4_0K	TYPE IV	SEE SIGNALIZATION PLANS
2	FPL**	FPL**	100+24.9	88.5'	RT	14.3'	N: 1492332.81 E: 743195.91	FLORIDA POWER & LIGHT (FPL)	CONCRETE	FPL**	1	286	21,810	FPL**	4000K	MEDIUM	0	23	12	AUTODRAW LED COBRA HEAD	AFR2_P024_R4_M0225043	TYPE IV	FPL**
WA-06	A-1	N/A	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	RT	31.8'	N: 1492374.12 E: 743194.71	BREVARD COUNTY	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	1	204	21,810	170	4000K	MEDIUM	0	40	12	AUTODRAW LED COBRA HEAD	AFR2_P024_R4_0K	TYPE IV	SEE SIGNALIZATION PLANS
3	FPL**	FPL**	110+11.4	51.5'	RT	8.8'	N: 1492424.28 E: 743200.81	FLORIDA POWER & LIGHT (FPL)	CONCRETE	FPL**	1	284	21,810	FPL**	4000K	MEDIUM	0	23	12	AUTODRAW LED COBRA HEAD	AFR2_P024_R4_0K	TYPE IV	FPL**

POLE OFFSET IS THE HORIZONTAL SEPARATION FROM THE FACE OF CURB TO THE POLE  
\*\*TO BE OBTAINED AND INSTALLED BY POWER COMPANY

**STADIUM PARWAY AND CUDDINGTON DRIVE**  
BREVARD COUNTY, FLORIDA

DATE: 1-3

**Kimley-Horn**

200 S. GUNN ST., SUITE 200  
WEST PALM BEACH, FLORIDA 33411  
TEL: 561-833-1100  
WWW.KIMLEY-HORN.COM

DESIGNED BY: [ ]  
CHECKED BY: [ ]  
DATE: 1/2/2025

PROJECT NO: [ ]  
DRAWING NO: [ ]  
SCALE: [ ]

PROJECT: [ ]  
SHEET NO: [ ]

DATE: [ ]  
SCALE: [ ]

THE ORIGINAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61E02-23.000, F.A.C.

