

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY**

Meeting Date:	May 5, 2020	<input checked="" type="checkbox"/> Consent	<input type="checkbox"/> Regular
		<input type="checkbox"/> Ordinance	<input type="checkbox"/> Public Hearing

Department:	Engineering & Public Works
Submitted By:	Engineering & Public Works
Submitted For:	Traffic Division

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: a work order to Palm Beach County’s (County) annual traffic signal contract (R2019-1260) with Gerelco Traffic Controls, Inc. (Gerelco) not to exceed the amount of \$595,360.50 to construct a mast arm traffic signal at the intersection of Indian Creek Parkway and Military Trail, County Intersection ID Number 05450 (Project).

SUMMARY: Approval of this work order will allow Gerelco to construct the project to replace the existing span wire structure. Per County PPM CW-F-050, this work order exceeds the threshold relating to staff approvals of work orders to annual contracts, thus requiring approval from the Board of County Commissioners (BCC). Prior to this work order, \$0 of Gerelco’s \$3,000,000 contract has been spent or encumbered. Gerelco is a Port St. Lucie based company with an office in Palm Beach County. The Office of Equal Business Opportunity has granted a waiver of the Affirmative Procurement Initiatives based on the limited availability of highly specialized and qualified small, minority, and woman owned businesses to perform the specialized construction of traffic signals. District 1 (YBH)

Background and Justification: On September 10, 2019, the BCC approved the annual traffic signal contract with Gerelco to provide for and install various signal components for traffic control devices. The County is now requesting that Gerelco construct the project in accordance with the work order. The estimated construction cost is \$496,133.75 with a contingency of \$99,226.75. The Town of Jupiter (Town) has paid the County \$140,000 toward construction costs, per the interlocal agreement approved by the BCC, October 22, 2019, R2019-1597, in which the Town also agreed to fund the engineering design and construction plans (paid directly to the consultant). The Engineering & Public Works Department recommends BCC approval.

Attachments:

1. Location Sketch
2. Work Order with Exhibits A and B
3. OEBO Waiver

Recommended By:	<u>YBH/TEL <i>ma David 2 Tel</i></u>	<u>4/14/20</u>
	County Engineer	Date
Approved By:	<u><i>Pal</i></u>	<u>4/14/20</u>
	Assistant County Administrator	Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2020	2021	2022	2023	2024
Capital Expenditures	<u>\$665,361</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
Operating Costs	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
External Revenues	<u>(\$140,000)</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
Program Income (County)	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
In-Kind Match (County)	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
NET FISCAL IMPACT	<u>\$525,361</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
# ADDITIONAL FTE					
POSITIONS (Cumulative)					

Is Item Included in Current Budget? Yes No

Does this item include the use of federal funds? Yes No

Budget Account No:
Fund 3500 Dept 361 Unit 1752-101 Object 6408

Recommended Sources of Funds/Summary of Fiscal Impact:
Transportation Improvement Fund
Traffic Signals-Mast Arms-FY2017
Indian Creek Parkway and Military Trail Mast Arm Signal

Annual Contract	
Construction Costs	\$ 496,133.75
Contingency	\$ 99,226.75
Total Contract Costs	<u>\$ 595,360.50</u>
Traffic Operations-Furnish Items	\$ 60,000.00
Traffic Operation Staff Costs	\$ 10,000.00
Total Construction Cost	<u>\$ 665,360.50</u>
Less Funding Town of Jupiter	<u>(\$ 140,000.00)</u>
Fiscal Impact	<u>\$ 525,360.50</u>

C. Departmental Fiscal Review: *A. White*

III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Dev. and Control Comments:

[Signature] 4/14/2020
OFMB *[initials]*

[Signature] 4/14/2020
Contract Dev. and Control
4-14-2020 TW

B. Approved as to Form and Legal Sufficiency:

Yelizaveta B. Herman 04.06.2020
Assistant County Attorney

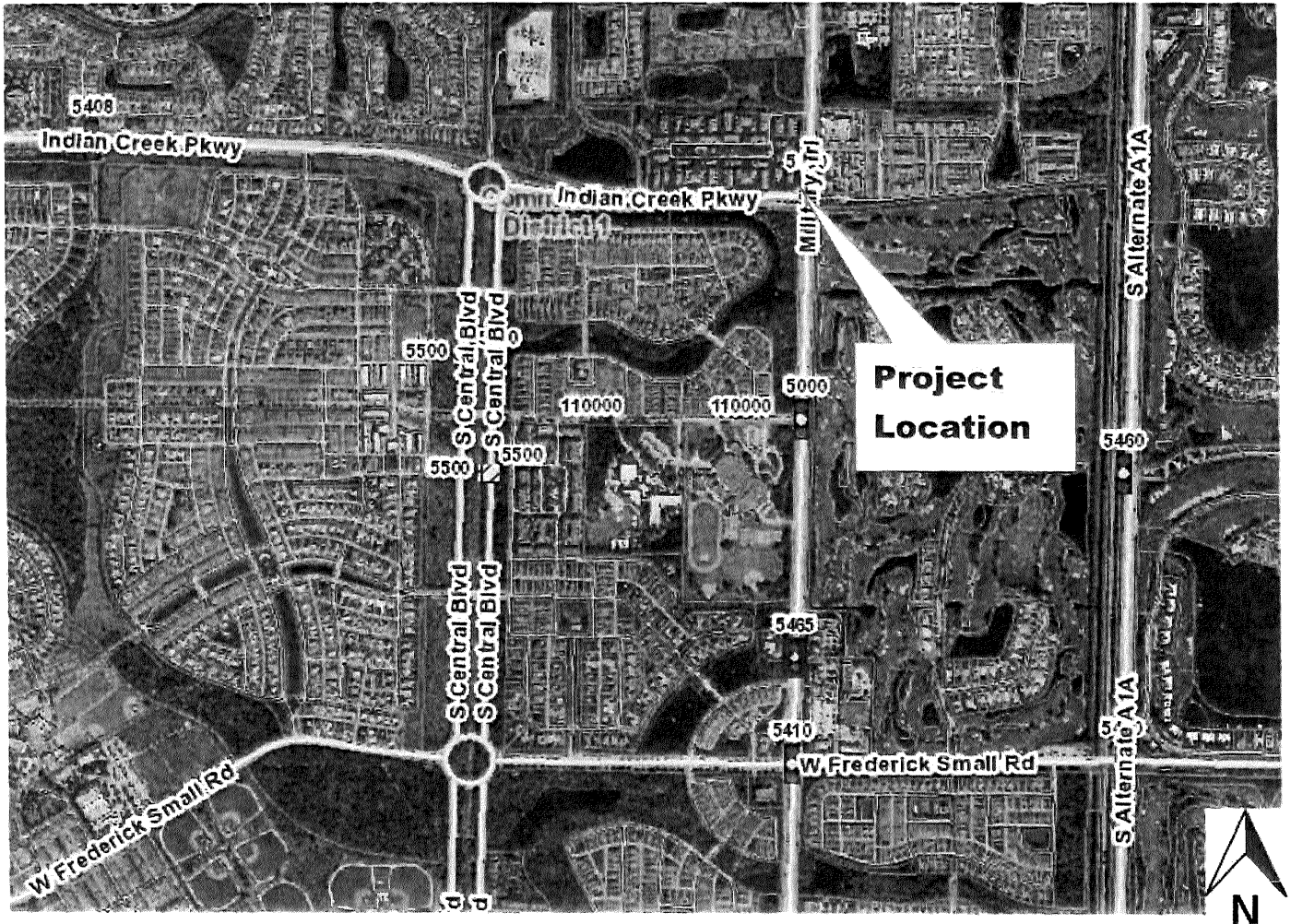
C. Other Department Review:

Department Director

This summary is not to be used as a basis for payment.

Traffic signal # 05450

Indian Creek Parkway and Military Trail



WORK ORDER TO ANNUAL CONTRACT (R2019-1260) BETWEEN PALM BEACH COUNTY AND GERELCO TRAFFIC CONTROLS, INC. TO CONSTRUCT A MAST ARM TRAFFIC SIGNAL TO REPLACE THE EXISTING SPAN WIRE STRUCTURE AT THE INTERSECTION OF INDIAN CREEK PARKWAY AND MILITARY TRAIL, PALM BEACH COUNTY INTERSECTION ID NUMBER 05450 SIGNAL PROJECT NUMBER 2020-01 PALM BEACH COUNTY PROJECT NUMBER 2019745 PALM BEACH COUNTY, FLORIDA

THIS WORK ORDER TO THE ANNUAL CONTRACT R2019-1260, is made and entered into this ____ day of _____, 2020, by and between Palm Beach County, a political subdivision of the State of Florida, by and through its Board of County Commissioners (**COUNTY**), and **GERELCO TRAFFIC CONTROLS, INC.**, a Florida corporation with an address of 560 NW Enterprise Drive, Port Saint Lucie, FL 34986 (**CONTRACTOR**).

WITNESSETH

WHEREAS, on September 10, 2019, **COUNTY** and **CONTRACTOR** entered into an Annual Contract (R2019-1260) (**CONTRACT**) to provide for the furnishing and installation of various signal components for traffic control devices on a work order basis; and

WHEREAS, **COUNTY** desires **CONTRACTOR** to construct a mast arm traffic signal to replace the existing span wire structure at the intersection of Indian Creek Parkway and Military Trail, Palm Beach County Intersection ID Number 05450, (**PROJECT**); and

WHEREAS, **CONTRACTOR** agrees to construct the **PROJECT** in accordance with the terms and conditions of the **CONTRACT**, as directed and accepted by the **COUNTY**; and

WHEREAS, pursuant to the **CONTRACT**, a cost not to exceed \$595,360.50 has been calculated by **COUNTY** and found to be appropriate compensation for the services to be performed by **CONTRACTOR** to construct the **PROJECT**.

NOW, THEREFORE, THIS INDENTURE WITNESSETH: That for and in consideration of the mutual benefits to flow from each to the other, the parties hereto agree as follows:

1. The above recitals are true and correct and incorporated herein.
2. **CONTRACTOR** agrees to provide services for the **PROJECT** in accordance with the **CONTRACT** and as further described in **Exhibits A and B**; and
3. **COUNTY** agrees to pay the **CONTRACTOR** a fee not to exceed \$595,360.50 to construct the **PROJECT**. Final payment shall be per documented quantities installed.

IN WITNESS WHEREOF, the Board of County Commissioners of Palm Beach County, Florida has made and executed this Work Order for the PROJECT, pursuant to the CONTRACT, as amended on behalf of the COUNTY, and CONSULTANT has hereunto set its hand the day and year above written.

EXECUTED by CONTRACTOR this 8th day of April, 2020

(Corporate Seal)

ATTEST:

Gerelco Traffic Controls, Inc., a Florida Corporation

BY: [Signature]
Kenneth A. Geremia, Jr.
President

WITNESS:
BY: [Signature]
Christen M. Maertens
(Printed Name)

WITNESS:
BY: [Signature]
Maria Enriquez
(Printed Name)

EXECUTED by COUNTY this _____ day of _____, 20__.

(COUNTY Seal)

ATTEST:

Sharon R. Bock
Clerk & Comptroller

Palm Beach County, A POLITICAL
SUBDIVISION OF THE STATE OF
FLORIDA by and through its BOARD OF
COUNTY COMMISSIONERS

By: _____
Deputy Clerk

By: _____
Dave Kerner, Mayor

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY

By: Yelizaveta B. Herman
Yelizaveta B. Herman
Assistant County Attorney

APPROVED AS TO TERMS
AND CONDITIONS

By: Motasem A. Al-Turk
Motasem A. Al-Turk, Ph.D., P.E.
Traffic Division Director

**PALM BEACH COUNTY ENGINEERING & PUBLIC WORKS
TRAFFIC DIVISION WORK ORDER / ANNUAL CONTRACT R2019-1260**

PROJECT NAME: Indian Creek Parkway and Military Trail

(PBC Intersection 05450)

BUDGET LINE ITEM: 3500-361-1752-101-6408

KDO NUMBER: 360 EN030420*189

PBC ENGINEERING ANNUAL SIGNAL CONTRACT NUMBER: 2019-050

PBC ENGINEERING PROJECT NUMBER: 2019-745

PBC TRAFFIC DIVISION SIGNAL PROJECT NUMBER: 2020-01

WORK ORDER NUMBER: G-01

DATE: _____ COMMISSION DISTRICT: 1

TO: Kenneth A. Geremia, Jr., Gereleo Traffic Controls, Inc.

In accordance with the terms of your contract dated September 10, 2019, you are directed to provide the following supplies and services: Provide for the furnishing and installation of a mast arm traffic signal to replace the existing span wire structure as shown on the Signal Plan on pages 5 thru 9, and Bidtab, dated 2/13/2020.


The above work shall be performed at: Indian Creek Parkway and Military Trail (PBC Intersection 05450).

STARTING: The contract duration for this work is 240 days. A separate Notice to Proceed ("NTP") letter will be issued directing the contractor to commence work within the time specified in the NTP letter. The total amount of this Work Order, at the contract prices, is estimated to be \$595,360.50, which includes \$99,226.75 contingency (see attached bidtab for quantities). The Office of Equal Business Opportunity waived the API Requirements (see attached.)

This work shall be coordinated by, (48 hours prior notice to commencement of work):

Fattoush Jafar, P.E., Ph.D. Traffic Engineering & Operations Manager (561) 684-4030
Name Title Telephone

Please indicate your receipt of this Work Order by signing and returning a duplicate copy.


Kenneth A. Geremia, Jr. President 772.340.7474
Name Title Telephone

Please sign below and submit with invoice at the completion of the project.
Project completed in compliance with Contract and Project specifications.

Signature Title Telephone



PBCBCC-TRAFFIC DIVISION
2300 N. JOG ROAD
W.P.B., FL. 33411-2745
Phone: (561) 684-4030 Fax: (561) 478-5770

GERELCO BIDTAB
CONTRACT
#2019050

DATE: 2/13/2020 **SIGNAL PROJECT #:** 2020-01
INTERSECTION: INDIAN CREEK PARKWAY AND MILITARY TRAIL
INTERSECTION NO.# 05450

ITEM NO.#	PRODUCT NAME	QTY	PRICE	LINE TOTAL
102-1-A	GENERAL MAINTENANCE OF TRAFFIC - [HR] [F&I]	16	\$140.00	\$2,240.00
630-2-11-2	2" PVC (SCH 40) UNDERGROUND CONDUIT - [LF] [F&I]	456	\$8.25	\$3,762.00
630-2-11-2A	ADDITIONAL 2" PVC (SCH 40) CONDUIT, IN OPEN TRENCH - [LF] [F&I]	762	\$2.15	\$1,638.30
630-2-12-2-2	2-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE) - [LF] [F&I]	68	\$17.45	\$1,186.60
630-2-12-2-3	3-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE) - [LF] [F&I]	753	\$21.25	\$16,001.25
630-2-12-2-4	4-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE) - [LF] [F&I]	262	\$25.00	\$6,550.00
630-2-12-2-5	5-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE) - [LF] [F&I]	99	\$28.80	\$2,851.20
630-2-14-2	2" RIGID CONDUIT HOT DIPPED GALVANIZED CONDUIT SURFACE MOUNTED - [LF] [F&I]	40	\$12.10	\$484.00
632-7-1-19G	SIGNAL CABLE (SPAN LENGTH 751' - Greater) - [PI] [F&I]	1	\$7,300.00	\$7,300.00
632-7-1-4A	PEDESTRIAN SIGNAL CABLE - 4 CONDUCTOR - [PI] [F&I]	1	\$1,242.00	\$1,242.00
632-7-1-7A	PEDESTRIAN SIGNAL CABLE - 7 CONDUCTOR - [PI] [F&I]	1	\$2,516.00	\$2,516.00
635-2-11	PULL BOX (13" x 24" x 12"D) HEAVY DUTY COVERS (TIER 15) - [LF] [F&I]	36	\$548.00	\$19,728.00
635-2-12-C	PULL BOX (30" x 48" x 24"D) HEAVY DUTY SPLIT COVERS (ITS) (TIER 15) - [EA] [F&I]	3	\$1,690.00	\$5,070.00
635-2-12-D	PULL BOX (17" x 30" x 24"D) HEAVY DUTY SPLIT COVERS (ITS) (TIER 15) - [EA] [F&I]	1	\$1,192.00	\$1,192.00
639-1-121	ELECTRICAL POWER SERVICE WITH METER BASE (UNDERGROUND) METER FURNISHED BY POWER COMPANY - [AS] [F&I]	1	\$944.00	\$944.00
639-1-620	REMOVE POWER SERVICE (UNDERGROUND) - [EA] [R]	1	\$233.00	\$233.00
639-2-1-3	ELECTRICAL SERVICE WIRE (SIGLE PHASE 3-WIRE, TRIPLEX) - [LF] [F&I]	50	\$2.56	\$128.00
639-3-11	ELECTRICAL SERVICE DISCONNECT (BREAKER BOX, SHEET T 6.2 OF PBC STANDARDS) - [EA] [F&I]	1	\$398.00	\$398.00
641-2-12-12	PRESTRESSED CONCRETE POLE (12' TYPE P-II) - [EA] [F&I]	1	\$827.00	\$827.00
641-2-80	CONCRETE POLE REMOVAL - DEEP (INCLUDES POLE AND COMPLETE REMOVAL OF THE POLE FOUNDATIOND DEPTH OF UP TO 25 FEET) INCLUDES DISPOSAL OF POLE WHEN INSTRUCTED BY ENGINEER - [EA] [R]	3	\$5,265.00	\$15,795.00
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL WITH TRANSFORMER BASE (8 FEET ABOVE GROUND) - [EA] [F&I]	3	\$706.00	\$2,118.00

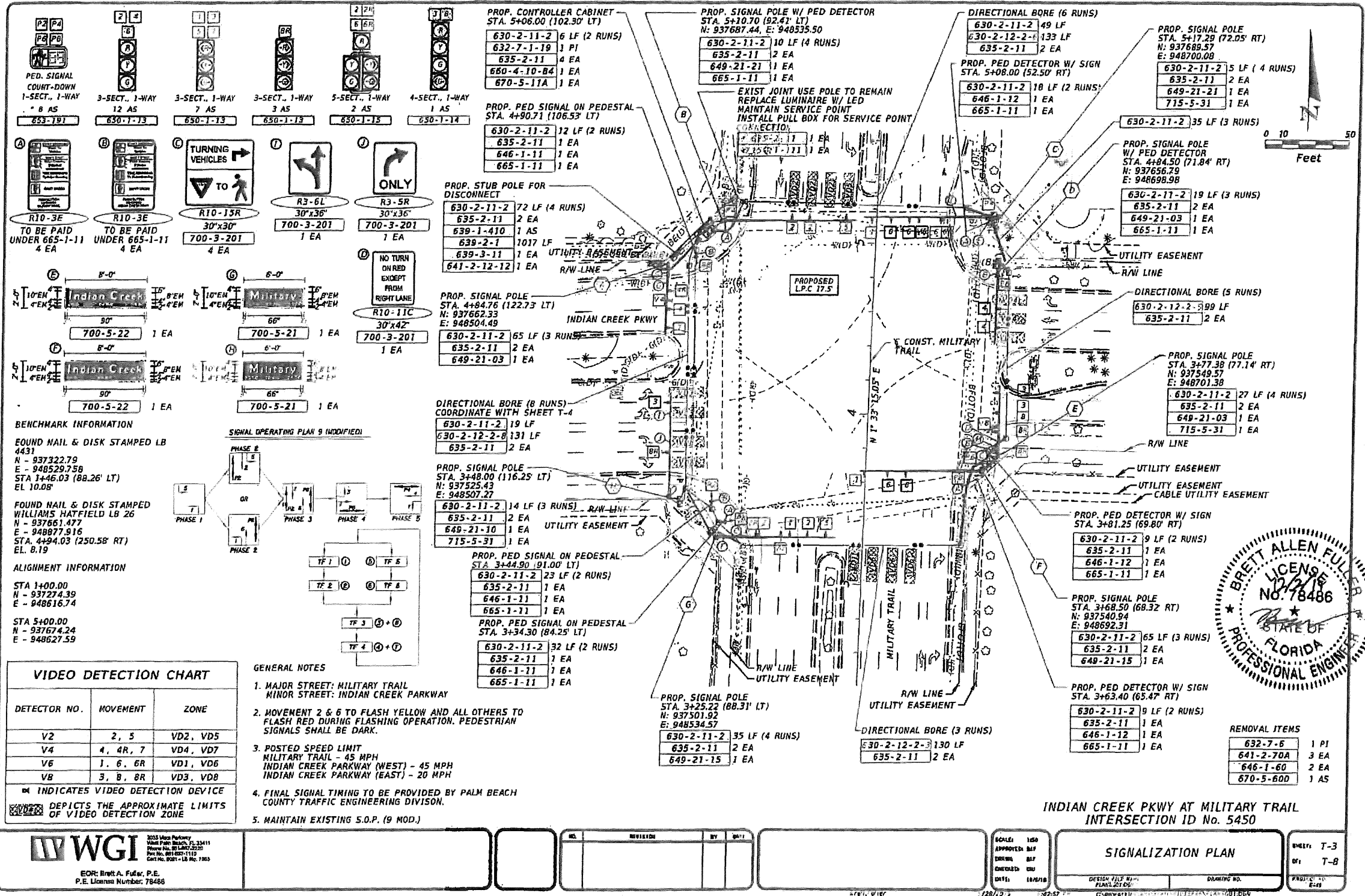
DATE: 2/13/2020 SIGNAL PROJECT #: 2020-01
 INTERSECTION: INDIAN CREEK PARKWAY AND MILITARY TRAIL
 INTERSECTION NO.# 05450

ITEM NO.#	PRODUCT NAME	QTY	PRICE	LINE TOTAL
646-1-12	ALUMINUM SIGNALS POLE, PEDESTRIAN DETECTOR POST(5.5-FT ABOVE GROUND) WITH TRANSFORMER BASE - [EA] [F&I]	3	\$596.00	\$1,788.00
649-22-3	MAST ARM ASSEMBLY, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 40' (A40/S-P2/S) - [EA] [F&I]	2	\$21,712.00	\$43,424.00
649-22-3L	MAST ARM ASSEMBLY WITH STREET LIGHT, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 40' (A40/S-P2/S/L) - [EA] [F&I]	1	\$25,346.00	\$25,346.00
649-22-10L	MAST ARM ASSEMBLY WITH STREET LIGHT, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 60' (A60/S-P4/S/L) - [EA] [F&I]	1	\$33,834.00	\$33,834.00
649-22-15	MAST ARM ASSEMBLY, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 70' (A70/S-P5/S) - [EA] [F&I]	2	\$32,842.00	\$65,684.00
649-22-21	MAST ARM ASSEMBLY, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 78' (A78/S-P6/S) - [EA] [F&I]	1	\$37,557.00	\$37,557.00
649-22-21L	MAST ARM ASSEMBLY WITH STREET LIGHT, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 78' (A78/S-P6/S/L) - [EA] [F&I]	1	\$42,460.00	\$42,460.00
649-2-12-45	DRILLED SHAFT FOUNDATION ASSEMBLY, 12' DEEP AND 4.5' DIAMETER, FURNISH AND INSTALL (DS/12/4.5) - [EA] [F&I]	1	\$10,304.00	\$10,304.00
649-2-14-45	DRILLED SHAFT FOUNDATION ASSEMBLY, 14' DEEP AND 4.5' DIAMETER, FURNISH AND INSTALL (DS/14/4.5) - [EA] [F&I]	2	\$11,228.00	\$22,456.00
649-2-16-45	DRILLED SHAFT FOUNDATION ASSEMBLY, 16' DEEP AND 4.5' DIAMETER, FURNISH AND INSTALL (DS/16/4.5) - [EA] [F&I]	1	\$11,971.00	\$11,971.00
649-2-18-50	DRILLED SHAFT FOUNDATION ASSEMBLY, 18' DEEP AND 5.0' DIAMETER, FURNISH AND INSTALL (DS/18/5.0) - [EA] [F&I]	3	\$13,348.00	\$40,044.00
649-2-20-50	DRILLED SHAFT FOUNDATION ASSEMBLY, 20' DEEP AND 5.0' DIAMETER, FURNISH AND INSTALL (DS/20/5.0) - [EA] [F&I]	1	\$15,260.00	\$15,260.00
649-2-20-50-AD	ADDITIONAL DEPTH FOR RILLED SHAFT FOUNDATION ASSEMBLY, 20' DEEP AND 5.0' DIAMETER, FURNISH AND INSTALL (DS/20/5.0) - [LF] [F&I]	1	\$757.00	\$757.00
650-1-13	TRAFFIC SIGNAL HEAD ALUMINUM (3-SECTION, 1-WAY) INCLUDES BACKPLATES - [AS] [F&I]	22	\$854.00	\$18,788.00
650-1-14	TRAFFIC SIGNAL HEAD ALUMINUM (4-SECTION, 1-WAY) INCLUDES BACKPLATES - [AS] [F&I]	1	\$1,012.00	\$1,012.00
650-1-15	TRAFFIC SIGNAL HEAD ALUMINUM (5-SECTION, 1-WAY) INCLUDES BACKPLATES - [AS] [F&I]	2	\$1,460.00	\$2,920.00
650-1-60	TRAFFIC SIGNAL HEAD ASSEMBLY, REMOVAL - [EA] [R]	14	\$87.00	\$1,218.00
653-191	PEDESTRIAN SIGNAL - COUNT DOWN (1-WAY) ALUMINUM - [EA] [F&I]	8	\$604.00	\$4,832.00
653-1-60	PEDESTRIAN SIGNAL, REMOVE PED SIGNAL - [EA] [R]	8	\$174.00	\$1,392.00
660-4-30-B4	VIDEO IMAGE DETECTION 4 - CAMERA SYSTEM (ITERIS) - [EA] [I]	1	\$4,000.00	\$4,000.00
665-1-11	PEDESTRIAN DETECTOR (PUSH BUTTON) - [EA] [F&I]	8	\$125.00	\$1,000.00
670-5-310-A	TRAFFIC CONTROLLER ASSEMBLY (TYPE 6 - INSTALL ONLY) - [AS] [I]	1	\$4,200.00	\$4,200.00

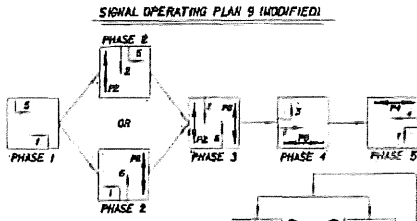
DATE: 2/13/2020 SIGNAL PROJECT #: 2020-01
 INTERSECTION: INDIAN CREEK PARKWAY AND MILITARY TRAIL
 INTERSECTION NO.# 05450

ITEM NO.#	PRODUCT NAME	QTY	PRICE	LINE TOTAL
670-5-600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET - [AS] [I]	1	\$1,397.00	\$1,397.00
690-100	REMOVE MISCELLANEOUS SIGNAL EQUIPMENT - [HR] [R]	3	\$233.00	\$699.00
690-31-1	SIGNAL PEDESTAL, REMOVE - [EA] [R]	2	\$58.00	\$116.00
690-70	REMOVE PEDESTRIAN DETECTOR ASSEMBLY - [EA] [R]	8	\$14.55	\$116.40
690-80	REMOVE SPAN WIRE ASSEMBLY - [PI] [R]	1	\$1,222.00	\$1,222.00
700-5-41	INTERNALLY ILLUMINATED SIGN (8') INSTALL ONLY - [EA] [I]	2	\$815.00	\$1,630.00
700-5-42	INTERNALLY ILLUMINATED SIGN (8') INSTALL ONLY - [EA] [I]	2	\$815.00	\$1,630.00
715-5-51	LUMINAIRE AND BRACKET ARM - [EA] [R]	4	\$1,412.00	\$5,648.00
715-5-11(B)	LUMINAIRE & BRACKET ARM ALUMINUM (12' w/36"rise) - [EA] [F&I]	1	\$1,224.00	\$1,224.00
TOTAL:				\$496,133.75

Comments: Subtotal: 496,133.75 plus \$ 99,226.75 (20% contingency) = \$595,360.50
 Traffic Operations- furnish items \$60,000 plus Staff costs:10,000. GRAND TOTAL: 665,360.50



BENCHMARK INFORMATION
 FOUND NAIL & DISK STAMPED LB 4431
 N - 937322.79
 E - 948529.758
 STA 1+46.03 (88.26' LT)
 EL. 10.08'
 FOUND NAIL & DISK STAMPED WILLIAMS HATFIELD LB 26
 N - 937661.477
 E - 948877.916
 STA. 4+94.03 (250.58' RT)
 EL. 8.19



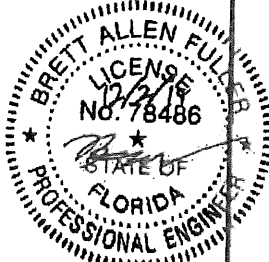
ALIGNMENT INFORMATION
 STA 1+00.00
 N - 937274.39
 E - 948616.74
 STA 5+00.00
 N - 937674.24
 E - 948627.59

VIDEO DETECTION CHART

DETECTOR NO.	MOVEMENT	ZONE
V2	2, 5	VD2, VD5
V4	4, 4R, 7	VD4, VD7
V6	1, 6, 6R	VD1, VD6
VB	3, 8, 8R	VD3, VD8

INDICATES VIDEO DETECTION DEVICE
 DEPICTS THE APPROXIMATE LIMITS OF VIDEO DETECTION ZONE

- GENERAL NOTES**
- MAJOR STREET: MILITARY TRAIL
MINOR STREET: INDIAN CREEK PARKWAY
 - MOVEMENT 2 & 6 TO FLASH YELLOW AND ALL OTHERS TO FLASH RED DURING FLASHING OPERATION. PEDESTRIAN SIGNALS SHALL BE DARK.
 - POSTED SPEED LIMIT
MILITARY TRAIL - 45 MPH
INDIAN CREEK PARKWAY (WEST) - 45 MPH
INDIAN CREEK PARKWAY (EAST) - 20 MPH
 - FINAL SIGNAL TIMING TO BE PROVIDED BY PALM BEACH COUNTY TRAFFIC ENGINEERING DIVISION.
 - MAINTAIN EXISTING S.O.P. (9 MOD.)



INDIAN CREEK PKWY AT MILITARY TRAIL
INTERSECTION ID No. 5450

REMOVAL ITEMS

632-7-6	1 PI
641-2-70A	3 EA
646-1-60	2 EA
670-5-600	1 AS

WGI
 3035 West Parkway
 West Palm Beach, FL 33411
 Phone No. 561-837-2520
 Fax No. 561-837-1110
 Cont. No. 800-1-18 No. 7003

EOR: Brett A. Fuller, P.E.
 P.E. License Number: 78486

NO.	REVISION	BY	DATE

SCALE: 1/50
 APPROVED BY:
 CHECKED BY:
 DATE: 10/21/18

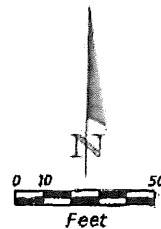
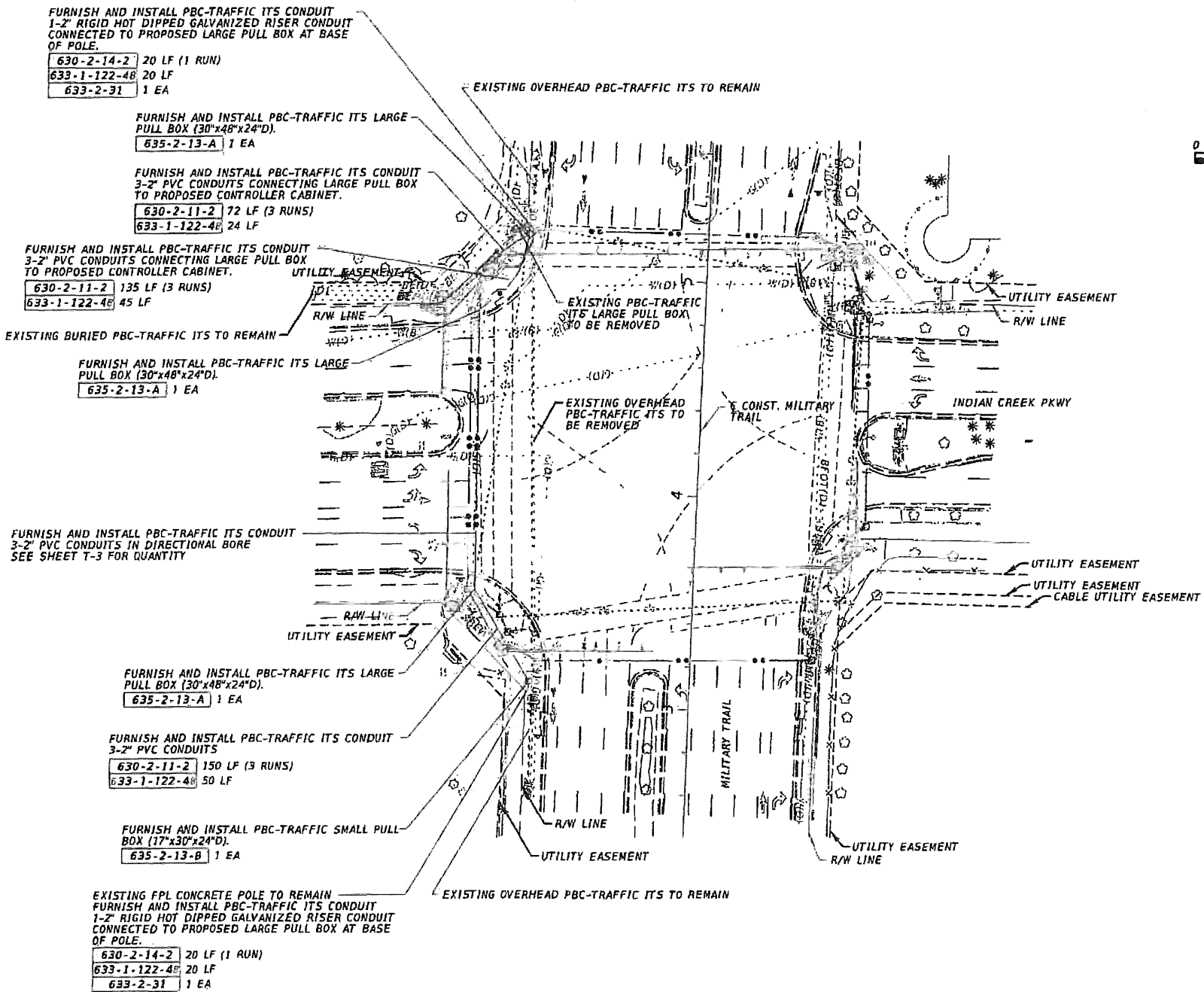
SIGNALIZATION PLAN

DESIGN FILE NO.:
 PLANS 2018-06-01

DRAWING NO.:
 PLAN 2018-06-01

DATE: 10/21/18

SHEET: T-3
 OF: T-8
 PROJECT NO.: E-69



FURNISH AND INSTALL PBC-TRAFFIC ITS CONDUIT
1-2" RIGID HOT DIPPED GALVANIZED RISER CONDUIT
CONNECTED TO PROPOSED LARGE PULL BOX AT BASE
OF POLE.
630-2-14-2 20 LF (1 RUN)
633-1-122-4B 20 LF
633-2-31 1 EA

FURNISH AND INSTALL PBC-TRAFFIC ITS LARGE
PULL BOX (30"x48"x24"D).
635-2-13-A 1 EA

FURNISH AND INSTALL PBC-TRAFFIC ITS CONDUIT
3-2" PVC CONDUITS CONNECTING LARGE PULL BOX
TO PROPOSED CONTROLLER CABINET.
630-2-11-2 72 LF (3 RUNS)
633-1-122-4B 24 LF

FURNISH AND INSTALL PBC-TRAFFIC ITS CONDUIT
3-2" PVC CONDUITS CONNECTING LARGE PULL BOX
TO PROPOSED CONTROLLER CABINET.
630-2-11-2 135 LF (3 RUNS)
633-1-122-4B 45 LF

EXISTING BURIED PBC-TRAFFIC ITS TO REMAIN

FURNISH AND INSTALL PBC-TRAFFIC ITS LARGE
PULL BOX (30"x48"x24"D).
635-2-13-A 1 EA

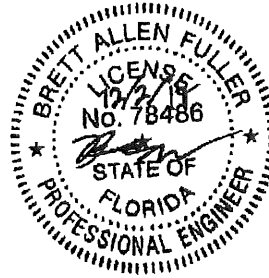
FURNISH AND INSTALL PBC-TRAFFIC ITS CONDUIT
3-2" PVC CONDUITS IN DIRECTIONAL BORE
SEE SHEET T-3 FOR QUANTITY

FURNISH AND INSTALL PBC-TRAFFIC ITS LARGE
PULL BOX (30"x48"x24"D).
635-2-13-A 1 EA

FURNISH AND INSTALL PBC-TRAFFIC ITS CONDUIT
3-2" PVC CONDUITS
630-2-11-2 150 LF (3 RUNS)
633-1-122-4B 50 LF

FURNISH AND INSTALL PBC-TRAFFIC SMALL PULL
BOX (17"x30"x24"D).
635-2-13-B 1 EA

EXISTING FPL CONCRETE POLE TO REMAIN
FURNISH AND INSTALL PBC-TRAFFIC ITS CONDUIT
1-2" RIGID HOT DIPPED GALVANIZED RISER CONDUIT
CONNECTED TO PROPOSED LARGE PULL BOX AT BASE
OF POLE.
630-2-14-2 20 LF (1 RUN)
633-1-122-4B 20 LF
633-2-31 1 EA



INDIAN CREEK PKWY AT MILITARY TRAIL
INTERSECTION ID No. 5450



EOR: Brett A. Fuller, P.E.
P.E. License Number: 78486

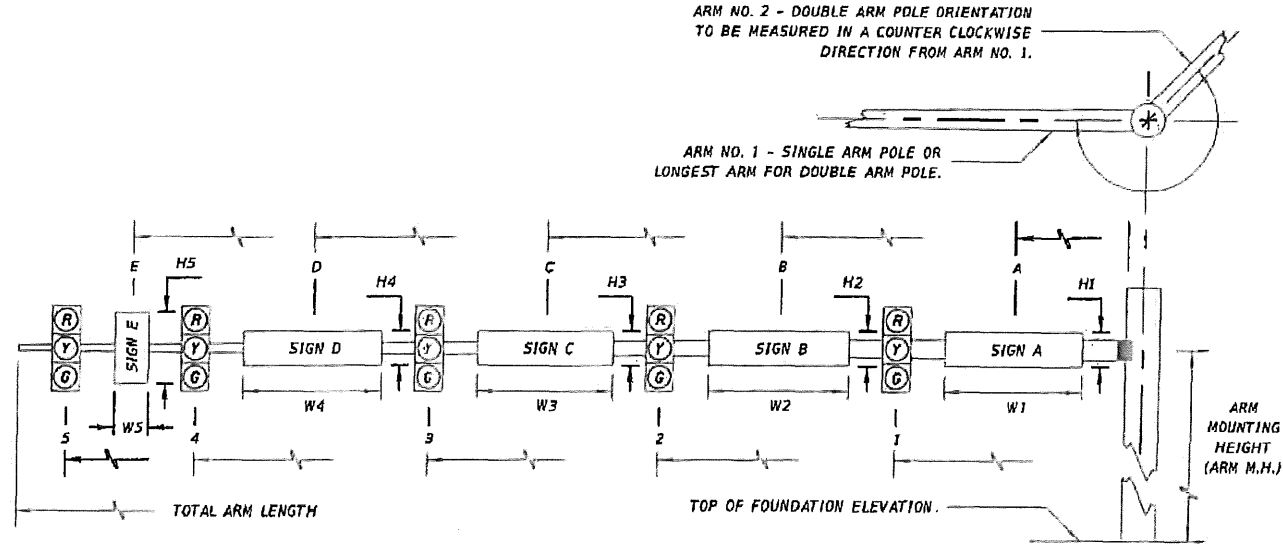
NO.	REVISION	BY	DATE

SCALE:	1"=50'
APPROVED:	BAF
DRAWN:	BAF
CHECKED:	CHS
DATE:	10/24/18

INTERCONNECT PLAN

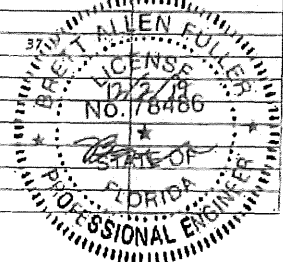
SHEET:	T-4
OF:	T-8
PROJECT NO:	18-05

SPECIAL INSTRUCTIONS			
ID NO.	PED. BUTTON	PED. SIGNALS	HANDHOLE LOCATION
B	- 0	- ②	
C	- -	e	
D	- 0	- ②	



* DENOTES NUMBER OF SECTIONS IN SIGNAL HEAD ASSEMBLY

ID NO.	SHEET NO.	LOCATION BY STA.	TOP OF FOUND. ELEVATION	RDWY ARM NO.	CROWN ELEV.	SIGNAL DATA														TOTAL ARM LENGTH H	ARM M.H.	ANGLE BETWEEN DUAL ARMS 90/270	SIGN DATA									VIDEO DETECTION DIST FROM FACE OF POLE	PAINT COLOR																						
						SIGNA 1 V/H	BACK PLATES Y/N	PED. SIGNAL Y/N	DISTANCE FROM POLE														DISTANCE FROM POLE / HEIGHT AND WIDTH OF SIGN																																
									1	*	2	*	3	*	4	*	5	*	6				*	A	H1	W1	B	H2	W2	C	H3			W3																					
A	T-3	4+84.76	8.96	1	8.95	V	Y	N	14.9	3	25.7	3	36.7	3																					40	20																		20.7	
B	T-3	5+10.70	9.12	1	9.39	V	Y	Y	39.8	3	50.7	3	72.6	3																					78	20.5																			
C	T-3	5+17.29	8.91	1	9.36	V	Y	Y	32.5	5	51.7	3	62.4	3	73.8	3																			78	20.5	3.6	24	96	24.5	30	30												36.3	
D	T-3	4+84.50	8.91	1	8.93	V	Y	Y	20.2	3	31.1	3																							40	20																			
E	T-3	3+77.38	9.55	1	8.85	V	Y	N	2.5	3	13.6	3	24.7	4	36.6	4																			40	19.5	0	30	30	4.2	24	72	7.8	30	42									16.5	
F	T-3	3+68.50	9.44	1	9.34	V	Y	N	43.2	3	54.2	3	67.9	3																					70	20																			
G	T-3	3+25.22	9.07	1	9.45	V	Y	N	23.0	5	43.0	3	54.0	3	64.9	3																			70	20.5	4	24	96	15.5	30	30													
H	T-3	3+48.00	8.65	1	8.76	V	Y	N	25.5	3	54.7	3																							60	20	31.44	36	30	48.53	36	30													
				1																																																			
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INDIAN CREEK PKWY AT MILITARY TRAIL
INTERSECTION ID No. 5450

WGI
 5035 Vesta Parkway
 Miami, Florida 33155
 Phone No. 305.487.2220
 Fax No. 305.487.1110
 Cell No. 305.971.1318 No. 7056

EOR: Brett A. Fuller, P.E.
 P.E. License Number: 78486

NO.	REVISION	BY	DATE

SCALE: N.T.S.
 APPROVED: BAF
 DRAWN: BAF
 CHECKED: GDU
 DATE: 10/25/18

STANDARD MAST ARM
 TABULATION

DESIGN #18 4-1
 4556101 DC

DRAWING NO.

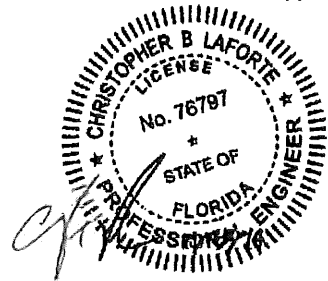
SHEET: T-5
 OF: T-8

STANDARD MAST ARM ASSEMBLIES DATA TABLE

STRUCTURE ID NUMBER	DESIGNATION	FIRST ARM		SECOND ARM		UF (deg)	LL (deg)	POLE			DRILLED SHAFT ID
		ARM ID	FAA (ft.)	ARM ID	FAA (ft.)			POLE ID	UAA (ft.)	UB (ft.)	
A	A40/S-P2/S-DS/14/4.5	A40/S	-	-	-	-	-	P2/S	25	20	DS/14/4.5
B	A78/S-P6/S-DS/18/5.0	A78/S	-	-	-	-	-	P6/S	25	20.5	DS/18/5.0
C	A78/S/H-P6/S/L-DS/21/5.0	A78/S/H	-	-	-	-	45	P6/S/L	39	20.5	DS/21/5.0
D	A40/S-P2/S-DS/12/4.5	A40/S	-	-	-	-	-	P2/S	25	20	DS/12/4.5
E	A40/S-P2/S/L-DS/14/4.5	A40/S	-	-	-	-	45	P2/S/L	39	19.5	DS/14/4.5
F	A70/S-P5/S-DS/18/5.0	A70/S	-	-	-	-	-	P5/S	25	20	DS/18/5.0
G	A70/S-P5/S-DS/18/5.0	A70/S	-	-	-	-	-	P5/S	25	20.5	DS/18/5.0
H	A60/S-P4/S/L-DS/16/4.5	A60/S	-	-	-	-	315	P4/S/L	39	20	DS/16/4.5

NOTES [Notes Date 11-01-16]:

1. 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.
2. 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. SAA Similar.
3. Work this sheet with the Signal Designer's "Mast Arm Tabulation". See "Mast Arm Tabulation" for special instructions that include non-standard Handhole location, paint color, terminal compartment requirement, and pedestrian features.
4. Work with Indexes 649-030 and 649-031.



INDIAN CREEK PKWY AT MILITARY TRAIL
INTERSECTION ID No. 5450



EOR: Chris LaForte, P.E.
P.E. License Number: 76797

NO.	REVISION	BY	DATE

SCALE:	N.T.S.
APPROVED:	BAJ
DRAWN:	BAJ
CHECKED:	BAJ
DATE:	10/19/18

STANDARD MAST ARM ASSEMBLIES	
DESIGN FILE NAME: ASSIGNMENT	DRAWING NO.

SHEET:	T-6
OF:	T-8
PROJECT NO.:	E-49

ref: over

/28/

E-104 P

corporation, and its subsidiaries and affiliates.

INCREASE PENALTY RIDER

No. 1

BOND NO. 0225937

To be attached and form a part of Bond No. 0225937 dated the 10th day of September, 2019, executed by Berkley Insurance Company as surety, on behalf of Gerelco Traffic Controls, Inc. as current principal of record, and in favor of the Palm Beach County Board of County Commissioners, as Obligee(s), and in the amount of Five Hundred Thousand and 00/100 Dollars (\$500,000.00).

In consideration of the agreed premium charged for this bond, it is understood and agreed that Berkley Insurance Company hereby consents that effective from the 20th day of February, 2020, said bond shall be amended as follows:

THE BOND PENALTY SHALL BE Increased:

FROM: Five Hundred Thousand and 00/100 Dollars (\$500,000.00)

TO: One Million and 00/100 Dollars (\$1,000,000.00)

The Increase of said bond penalty shall be effective as of the 20th day of February, 2020, and does hereby agree that the continuity of protection under said bond subject to changes in penalty shall not be impaired hereby, provided that the aggregate liability of the above mentioned bond shall not exceed the amount of liability assumed by it at the time the act and/or acts of default were committed and in no event shall such liability be cumulative.

Signed, sealed and dated this 20th day of February, 2020.

Gerelco Traffic Controls, Inc.
PRINCIPAL

BY: _____


Berkley Insurance Company
SURETY

BY: _____


Brett Rosenhaus, Attorney-in-Fact

POWER OF ATTORNEY
BERKLEY INSURANCE COMPANY
WILMINGTON, DELAWARE

NOTICE: The warning found elsewhere in this Power of Attorney affects the validity thereof. Please review carefully.

KNOW ALL MEN BY THESE PRESENTS, that BERKLEY INSURANCE COMPANY (the "Company"), a corporation duly organized and existing under the laws of the State of Delaware, having its principal office in Greenwich, CT, has made, constituted and appointed, and does by these presents make, constitute and appoint: *Brett Rosenhaus or Dale A. Belis of Acrisure, LLC dba Nielson, Rosenhaus & Associates of Delray Beach, FL* its true and lawful Attorney-in-Fact, to sign its name as surety only as delineated below and to execute, seal, acknowledge and deliver any and all bonds and undertakings, with the exception of Financial Guaranty Insurance, providing that no single obligation shall exceed **One Hundred Million and 00/100 U.S. Dollars (U.S.\$100,000,000.00)**, to the same extent as if such bonds had been duly executed and acknowledged by the regularly elected officers of the Company at its principal office in their own proper persons.

This Power of Attorney shall be construed and enforced in accordance with, and governed by, the laws of the State of Delaware, without giving effect to the principles of conflicts of laws thereof. This Power of Attorney is granted pursuant to the following resolutions which were duly and validly adopted at a meeting of the Board of Directors of the Company held on January 25, 2010:

RESOLVED, that, with respect to the Surety business written by Berkley Surety, the Chairman of the Board, Chief Executive Officer, President or any Vice President of the Company, in conjunction with the Secretary or any Assistant Secretary are hereby authorized to execute powers of attorney authorizing and qualifying the attorney-in-fact named therein to execute bonds, undertakings, recognizances, or other suretyship obligations on behalf of the Company, and to affix the corporate seal of the Company to powers of attorney executed pursuant hereto; and said officers may remove any such attorney-in-fact and revoke any power of attorney previously granted; and further

RESOLVED, that such power of attorney limits the acts of those named therein to the bonds, undertakings, recognizances, or other suretyship obligations specifically named therein, and they have no authority to bind the Company except in the manner and to the extent therein stated; and further

RESOLVED, that such power of attorney revokes all previous powers issued on behalf of the attorney-in-fact named; and further

RESOLVED, that the signature of any authorized officer and the seal of the Company may be affixed by facsimile to any power of attorney or certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligation of the Company; and such signature and seal when so used shall have the same force and effect as though manually affixed. The Company may continue to use for the purposes herein stated the facsimile signature of any person or persons who shall have been such officer or officers of the Company, notwithstanding the fact that they may have ceased to be such at the time when such instruments shall be issued.

IN WITNESS WHEREOF, the Company has caused these presents to be signed and attested by its appropriate officers and its corporate seal hereunto affixed this 14th day of November, 2019.

Attest:

Berkley Insurance Company

(Seal)

By

Ira S. Lederman
Executive Vice President & Secretary

By

Jeffrey M. Hafter
Senior Vice President

WARNING: THIS POWER INVALID IF NOT PRINTED ON BLUE "BERKLEY" SECURITY PAPER.

STATE OF CONNECTICUT)

) ss:

COUNTY OF FAIRFIELD)

Sworn to before me, a Notary Public in the State of Connecticut, this 14th day of November, 2019, by Ira S. Lederman and Jeffrey M. Hafter who are sworn to me to be the Executive Vice President and Secretary, and the Senior Vice President, respectively, of Berkley Insurance Company.

MARIA C RUNDBAKEN
NOTARY PUBLIC
CONNECTICUT
MY COMMISSION EXPIRES
APRIL 30, 2024

Maria C Rundbaker
Notary Public, State of Connecticut

CERTIFICATE

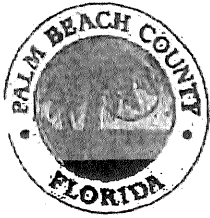
I, the undersigned, Assistant Secretary of BERKLEY INSURANCE COMPANY, DO HEREBY CERTIFY that the foregoing is a true, correct and complete copy of the original Power of Attorney; that said Power of Attorney has not been revoked or rescinded and that the authority of the Attorney-in-Fact set forth therein, who executed the bond or undertaking to which this Power of Attorney is attached, is in full force and effect as of this date.

Given under my hand and seal of the Company, this 20th day of February, 2020.

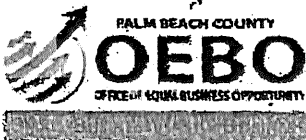
(Seal)

Vincent P. Forte
Vincent P. Forte

WARNING: Any unauthorized reproduction or alteration of this document is prohibited. This power of attorney is self-authenticating and its validity is not dependent upon the execution of any other document. The background imagery, scanning and verification instructions contained herein must be in black ink and the certification seal at the bottom is embossed.



Office of
Equal Business Opportunity
50 South Military Trail, Suite 202
West Palm Beach, FL 33415
(561) 616-6840
www.pbcgov.com/oebo

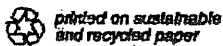


Palm Beach County
Board of County
Commissioners

- Mack Bernard, Mayor
- Dave Kerner, Vice Mayor
- Hal R. Valeche
- Gregg K. Weiss
- Robert S. Weinroth
- Mary Lou Berger
- Melissa McKinlay

County Administrator
Verdenia C. Baker

"An Equal Opportunity
Affirmative Action Employer"



INTER-OFFICE MEMORANDUM

REVISED

Date: Tuesday, February 5, 2019

To: David Ricks, County Engineer
Engineering and Public Works

From: Tonya Davis Johnson, Director *T. Johnson*
Office of Equal Business Opportunity

Re: Request for Waiver of API Requirements Project #2019050
Annual Traffic Signal Construction Contract IFB

Your Request for Waiver of API Requirements for the above named project was received on January 31, 2019 and has been reviewed. It is the determination of the Office of Equal Business Opportunity (OEBO) that the request for Waiver of API Requirements is approved.

Our determination was made based upon our review of the OEBO database and the limited availability of sufficient and qualified S/M/WBES providing the goods or services required by the contract.

I will recommend to the Goal Setting Committee the Waiver of API requirements for this renewal at the February 6, 2019 meeting.

If you have any questions, please contact Allen Gray at 561-616-6842 or email at allen.gray@pbcgov.com.

Thank you.

cc: Allen Gray, Manager

Attachment