

PALM BEACH COUNTY  
BOARD OF COUNTY COMMISSIONERS  
AGENDA ITEM SUMMARY

Meeting Date:	July 8, 2025	<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: Work Order G-33 in the not to exceed amount of \$869,232.65 to the annual traffic signal contract dated August 23, 2022 (R2022-0791), as amended on August 20, 2024 (R2024-0882), with Gerelco Traffic Controls, Inc. (Gerelco) to upgrade the traffic signal from span wire to mast arm at the intersection of Lantana Road and Congress Avenue, Palm Beach County (County) Intersection ID Number 40100 (Project).

**SUMMARY:** Approval of this Work Order will allow Gerelco to construct the Project. 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 and including this Work Order, \$5,583,945.85 of the Gerelco not to exceed contract amount of \$10,000,000 has been spent or encumbered. On August 20, 2024, the BCC approved the first amendment to the contract, increasing the contract amount to \$10,000,000 from \$5,000,000 for Gerelco to provide for and install various signal components for traffic control devices. Gerelco has an office located in the County. **This Project is funded by the infrastructure sales tax. Districts 2 and 3 (YBH)**

**Background and Justification:** The County requests Gerelco construct the Project in accordance with the Work Order. The construction cost is not to exceed \$869,232.65 including a contingency of \$79,021.15. The Engineering and Public Works Department recommends BCC approval.

**Attachments:**

1. Location Map
2. Work Order with Exhibit A

Recommended By:		15 JUN 2025
YBH/TEL	County Engineer	Date

Approved By:		6/17/25
	Deputy County Administrator	Date

## II. FISCAL IMPACT ANALYSIS

### A. Five Year Summary of Fiscal Impact:

Fiscal Years	2025	2026	2027	2028	2029
Capital Expenditures	\$ 869,233	-0-	-0-	-0-	-0-
Operating Costs	-0-	-0-	-0-	-0-	-0-
External Revenues	-0-	-0-	-0-	-0-	-0-
Program Income (County)	-0-	-0-	-0-	-0-	-0-
In-Kind Match (County)	-0-	-0-	-0-	-0-	-0-
NET FISCAL IMPACT	\$ 869,233	-0-	-0-	-0-	-0-
# ADDITIONAL FTE					
POSITIONS (Cumulative)	-0-	-0-	-0-	-0-	-0-

Is Item Included in Current Budget?

Yes ☒ No ☐

Is this item using Federal Funds?

Yes ☐ No ☒

Is this item using State Funds?

Yes ☐ No ☒

Budget Account No:

Fund 3950

Dept 361

Unit 1714

Object 6555

### Recommended Sources of Funds/Summary of Fiscal Impact:

Local Government One-Cent Infrastructure Surtax / Lantana Road & Congress Avenue

Construction Contract	\$790,211.50
Contingency	\$ 79,021.15
<b>Fiscal Impact</b>	<b>\$869,232.65</b>

C. Departmental Fiscal Review:

*Danny Rantalaing*

### III. REVIEW COMMENTS

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

*Lisa Mante* 6/2/2025  
 MO 6/2 OFMB 6/12

*Runde B. Smith* 6/5/25  
 Contract Dev. and Control 6/5/25

B. Approved as to Form  
and Legal Sufficiency:

*[Signature]* 6/9/25  
 Assistant County Attorney

C. Other Department Review:

\_\_\_\_\_  
 Department Director

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



### Location Map

"This Contract, including all Schedules, Forms, and attachments, is subject to the County Emergency Ordinance 2025-014, approved by the BCC on June 3, 2025. As a result, the M/WBE participation will not be enforced."

PALM BEACH COUNTY ENGINEERING & PUBLIC WORKS  
TRAFFIC DIVISION WORK ORDER / ANNUAL CONTRACT R2022-0791

PROJECT NAME: Lantana Rd and Congress Ave  
(PBC Intersection 40100)  
BUDGET LINE ITEM:  
PBC ENGINEERING ANNUAL SIGNAL CONTRACT NUMBER: 2022-0791  
PBC ENGINEERING PROJECT NUMBER: N/A  
PBC TRAFFIC DIVISION SIGNAL PROJECT NUMBER: 2022-821  
WORK ORDER NUMBER: G-33  
DATE: \_\_\_\_\_ COMMISSION DISTRICT: 2&3

TO: \_\_\_\_\_ Gerelco Traffic Controls, Inc.

In accordance with the terms of your contract dated August 23, 2022, as amended you are directed to provide the following supplies and services: Provide for the furnishing and installation of a mast arm traffic signal as shown on the Signal Plan sheets, and Bidtab, dated 4/22/2025.


The above work shall be performed at: Lantana Rd and Congress Ave (PBC Intersection 40100).

STARTING: The contract duration for this work is 210 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 \$869,232.65, which includes \$79,021.15 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):

<u>Fattoush Jafar, P.E., Ph.D.</u>	<u>Traffic Engineering &amp; Operations Manager</u>	<u>(561) 684-4030</u>
Name	Title	Telephone

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

	<u>Vice President</u>	<u>772.340.7474</u>
Name <u>Jake Ridinger</u>	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

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, on behalf of the COUNTY, and CONTRACTOR has hereunto set its hand the day and year above written.

OWNER:

Palm Beach County, a political subdivision  
of the State of Florida by and through its  
Board of County Commissioners

BY: \_\_\_\_\_  
Maria G. Marino, Mayor

ATTEST:  
Joseph Abruzzo  
Clerk of the Circuit Court & Comptroller

BY: \_\_\_\_\_  
Deputy Clerk

COUNTY SEAL

APPROVED AS TO TERMS AND  
CONDITIONS

BY: \_\_\_\_\_  
for Motasem Al-Turk  
Traffic Division, Director

APPROVED AS TO FORM & LEGAL  
SUFFICIENCY:

BY: \_\_\_\_\_  
Yelizaveta Herman  
Assistant County Attorney

CONTRACTOR:

Gereico Traffic Controls, Inc., a Florida  
Corporation

BY: \_\_\_\_\_  
Jake Ridinger  
Vice President

CORPORATE SEAL

WITNESS:

BY: \_\_\_\_\_  
O'teaka Lilly  
(Printed Name)

BY: \_\_\_\_\_  
Pat Miklosh  
(Printed Name)

**PALM BEACH COUNTY ENGINEERING & PUBLIC WORKS**  
**TRAFFIC DIVISION WORK ORDER / ANNUAL CONTRACT R2022-0791**

PROJECT NAME: Lantana Rd and Congress Ave

(PBC Intersection 40100)

BUDGET LINE ITEM:

PBC ENGINEERING ANNUAL SIGNAL CONTRACT NUMBER: 2022-0791

PBC ENGINEERING PROJECT NUMBER: N/A

PBC TRAFFIC DIVISION SIGNAL PROJECT NUMBER: 2022-821

WORK ORDER NUMBER: G-33

DATE: \_\_\_\_\_ COMMISSION DISTRICT: 2&3

TO: \_\_\_\_\_ Gerelco Traffic Controls, Inc.

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

<u>Fattoush Jafar, P.E., Ph.D.</u>	<u>Traffic Engineering &amp; Operations Manager</u>	<u>(561) 684-4030</u>
Name	Title	Telephone

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

	<u>Vice President</u>	<u>772.340.7474</u>
Name <u>Jake Ridinger</u>	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
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PBCBCC-TRAFFIC DIVISION  
2300 N. JOG ROAD  
W.P.B., FL. 33411-2745  
Phone: (561) 684-4030 Fax: (561) 478-5770

**GERELCO BIDTAB**  
**CONTRACT**  
**#2022052**

**DATE:** 4/22/2025 **SIGNAL PROJECT #:** 2022821

**INTERSECTION:** Lantana Rd and Congress Avenue

**INTERSECTION NO.#** 40100

ITEM NO.#	PRODUCT NAME	QTY	PRICE	LINE TOTAL
102-1-A	GENERAL MAINTENANCE OF TRAFFIC - [HR] [F&I]	16	\$121.00	\$1,936.00
630-2-11-2	2" PVC (SCH 40) UNDERGROUND CONDUIT - [LF] [F&I]	215	\$8.30	\$1,784.50
630-2-11-2A	ADDITIONAL 2" PVC (SCH 40) CONDUIT, IN OPEN TRENCH - [LF] [F&I]	80	\$5.20	\$416.00
630-2-12-2-1	1-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE) - [LF] [F&I]	160	\$25.00	\$4,000.00
630-2-12-2-2	2-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE) - [LF] [F&I]	620	\$29.00	\$17,980.00
630-2-12-2-4	4-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE) - [LF] [F&I]	620	\$39.00	\$24,180.00
630-2-12-2-5	5-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE) - [LF] [F&I]	780	\$45.00	\$35,100.00
630-2-14-1	1" RIGID CONDUIT HOT DIPPED GALVANIZED CONDUIT SURFACE MOUNTED - [LF] [F&I]	30	\$33.20	\$996.00
632-7-1-19E	SIGNAL CABLE (SPAN LENGTH 551' - 650') - [PI] [F&I]	1	\$7,800.00	\$7,800.00
632-7-1-4A	PEDESTRIAN SIGNAL CABLE - 4 CONDUCTOR - [PI] [F&I]	1	\$4,500.00	\$4,500.00
632-7-1-7	SIGNAL CABLE - 7 CONDUCTOR - [LF] [F&I]	1760	\$5.70	\$10,032.00
632-7-1-7A	PEDESTRIAN SIGNAL CABLE - 7 CONDUCTOR - [PI] [F&I]	1	\$6,250.00	\$6,250.00
635-2-12-A	PULL BOX (17" x 30" x 12"D) HEAVY DUTY COVERS (TIER 22) - [EA] [F&I]	23	\$1,000.00	\$23,000.00
635-2-12-C	PULL BOX (30" x 48" x 24"D) HEAVY DUTY SPLIT COVERS (ITS) (TIER 22) - [EA] [F&I]	3	\$3,500.00	\$10,500.00
635-2-12-D	PULL BOX (17" x 30" x 24"D) HEAVY DUTY SPLIT COVERS (ITS) (TIER 22) - [EA] [F&I]	1	\$2,200.00	\$2,200.00
639-1-121	ELECTRICAL POWER SERVICE WITH METER BASE (UNDERGROUND) METER FURNISHED BY POWER COMPANY - [AS] [F&I]	1	\$1,325.00	\$1,325.00
639-1-610	REMOVE POWER SERVICE (OVERHEAD) - [EA] [R]	1	\$975.00	\$975.00
639-2-1-3	ELECTRICAL SERVICE WIRE (SINGLE PHASE 3-WIRE, TRIPLEX) - [LF] [F&I]	200	\$5.50	\$1,100.00
639-3-11	ELECTRICAL SERVICE DISCONNECT (BREAKER BOX, SHEET T 6.2 OF PBC STANDARDS) - [EA] [F&I]	1	\$885.00	\$885.00
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]	4	\$3,500.00	\$14,000.00
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL WITH TRANSFORMER BASE (8 FEET ABOVE GROUND) - [EA] [F&I]	8	\$1,580.00	\$12,640.00

DATE: 4/22/2025 SIGNAL PROJECT #: 2022821

INTERSECTION: Lantana Rd and Congress Avenue

INTERSECTION NO.# 40100

ITEM NO.#	PRODUCT NAME	QTY	PRICE	LINE TOTAL
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]	4	\$58,122.00	\$232,488.00
649-22-21L-HD	MAST ARM ASSEMBLY WITH STREET LIGHT, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 78' HEAVY DUTY (A78/S-P6/S/L-HD) - [EA] [F&I]	2	\$59,971.00	\$119,942.00
649-2-16-50	DRILLED SHAFT FOUNDATION ASSEMBLY, 16' DEEP AND 5.0' DIAMETER, FURNISH AND INSTALL (DS/16/5.0) - [EA] [F&I]	2	\$18,500.00	\$37,000.00
649-2-18-50	DRILLED SHAFT FOUNDATION ASSEMBLY, 18' DEEP AND 5.0' DIAMETER, FURNISH AND INSTALL (DS/18/5.0) - [EA] [F&I]	2	\$18,500.00	\$37,000.00
649-2-20-50	DRILLED SHAFT FOUNDATION ASSEMBLY, 20' DEEP AND 5.0' DIAMETER, FURNISH AND INSTALL (DS/20/5.0) - [EA] [F&I]	2	\$20,000.00	\$40,000.00
650-1-13	TRAFFIC SIGNAL HEAD ALUMINUM (3-SECTION, 1-WAY) INCLUDES BACKPLATES - [AS] [F&I]	28	\$1,100.00	\$30,800.00
650-1-15	TRAFFIC SIGNAL HEAD ALUMINUM (5-SECTION, 1-WAY) INCLUDES BACKPLATES - [AS] [F&I]	2	\$1,650.00	\$3,300.00
650-1-60	TRAFFIC SIGNAL HEAD ASSEMBLY, REMOVAL - [EA] [R]	24	\$45.00	\$1,080.00
653-191	PEDESTRIAN SIGNAL - COUNT DOWN (1-WAY) ALUMINUM - [EA] [F&I]	8	\$800.00	\$6,400.00
653-1-60	PEDESTRIAN SIGNAL, REMOVE PED SIGNAL - [EA] [R]	8	\$85.00	\$680.00
660-2-106-B	LOOP ASSEMBLY ( TYPE F - 46' ). - [EA] [F&I]	21	\$2,450.00	\$51,450.00
670-5-310-A	TRAFFIC CONTROLLER ASSEMBLY (TYPE 6 - INSTALL ONLY) - [AS] [I]	1	\$9,500.00	\$9,500.00
670-5-600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET - [AS] [I]	1	\$2,500.00	\$2,500.00
690-15	REMOVE INTERNALLY ILLUMINATED SIGN - [EA] [R]	4	\$350.00	\$1,400.00
690-31-1	SIGNAL PEDESTAL, REMOVE - [EA] [R]	4	\$350.00	\$1,400.00
690-70	REMOVE PEDESTRIAN DETECTOR ASSEMBLY - [EA] [R]	8	\$15.00	\$120.00
690-80	REMOVE SPAN WIRE ASSEMBLY - [PI] [R]	1	\$350.00	\$350.00
715-11-500	REMOVE LUMINAIRE ROADWAY (ALL TYPES) - [EA] [R]	4	\$1,300.00	\$5,200.00
632-7-6	Signal Cable, Remove - in Intersection - [PI] [R]	1	\$1,500.00	\$1,500.00
665-1-31	Pedestrian Detector (Push Button) - Install Only - [EA] [I]	8	\$200.00	\$1,600.00
715-11-211-L2	Furnish and Install 263 Watt Cobrahead LED Luminaire - [EA] [F&I]	4	\$650.00	\$2,600.00
*700-5-21-LED	Internally Illuminated Sign (6') LED [F&I] - For Mastarm	4	\$5,263.00	\$21,052.00
*641-2-12-16	PRESTRESSED CONCRETE POLE (16' TYPE P-II ) - [EA] [F&I]	1	\$1,250.00	\$1,250.00

Exhibit A  
Page 3 of 15



DATE:

4/22/2025

SIGNAL PROJECT #:

2022821

INTERSECTION:	Lantana Rd and Congress Avenue
INTERSECTION NO.#	40100

ITEM NO.#	PRODUCT NAME	QTY	PRICE	LINE TOTAL
TOTAL:			\$790,211.50	

Comments:

Bid tab total=\$790,211.50

10% contingency=\$79,021.15

Grand total=\$869,232.65

\* Item is not in the original contract bid list. This item is approved for this task order only.

INCREASE RIDER

Rider to be attached to and form a part of Payment & Performance Bond Number 0265306, dated the 27th day of September, 2024 issued by Berkley Insurance Company a corporation organized and existing under the laws of the State of DE, (hereinafter called the "Surety"), on behalf of Gerelco Traffic Controls, Inc. (hereinafter called the "Principal"), in favor of Palm Beach County (hereinafter called the "Obligee").

It is understood and agreed that the penal sum of the attached bond is hereby INCREASED as follows:

From: \$743,843.40 Seven Hundred Forty Three Thousand Eight Hundred Forty Three Dollars and 40/100  
To: \$869,232.65 Eight Hundred Sixty Nine Thousand Two Hundred Thirty Two Dollars and 65/100

The attached bond shall be subject to all of its terms, conditions and limitations except as herein modified.

IN WITNESS WHEREOF, the above bounden parties have executed this instrument under their several seals this 25th day of April, 2025, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Gerelco Traffic Controls, Inc.  
(Principal) (Seal)  
560 NW Enterprise Drive, Port St. Lucie, FL 34986  
(Business Address)

Witness:  
O'Hara Kelly

By [Signature] Vice Pres.  
(Signature) (Title)

Berkley Insurance Company  
(Surety) (Seal)  
475 Steamboat Road, Greenwich, CT 06830  
(Business Address)

Witness:  
Michelle Ramirez

By [Signature] Brett Rosenhaus  
(Signature) (Title)  
Attorney-in-Fact  
Surety Phone No. 973-775-5021

POWER OF ATTORNEY  
BERKLEY INSURANCE COMPANY  
WILMINGTON, DELAWARE

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: *Charles D. Nielson; Charles J. Nielson; Donald A. Lambert, III; Joseph P. Nielson; Jarrett Merlucci; David R. Hoover; Brett Rosenhaus; Laura D. Mosholder; Dale A. Belis; or Kevin R. Wojtowicz of Acrisure Southeast Partners Insurance Services, LLC of Leesburg, 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 2<sup>nd</sup> day of May, 2024.

Attest:

Berkley Insurance Company

(Seal)

By

*Philip S. Welt*  
Philip S. Welt  
Executive Vice President & Secretary

By

*Jeffrey M. Hafter*  
Jeffrey M. Hafter  
Senior Vice President

STATE OF CONNECTICUT )

) ss:

COUNTY OF FAIRFIELD )

Sworn to before me, a Notary Public in the State of Connecticut, this 2<sup>nd</sup> day of May, 2024, by Philip S. Welt 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. RUNDGREN  
NOTARY PUBLIC  
CONNECTICUT

MY COMMISSION EXPIRES 04-09-2028

*Maria C. Rundgren*  
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 25<sup>th</sup> day of April, 2025.

(Seal)

*Vincent P. Forte*  
Vincent P. Forte



September 27, 2024

Palm Beach County  
2633 Vista Parkway,  
West Palm Beach, FL 33411

**RE: Gerelco Traffic Controls, Inc**

Bond No. 0265306  
Project: 2022052-20222821 - Traffic Signalization at Lantana Rd & Congress Ave ID  
#40100

To Whom it May Concern:

Please allow this letter to service as formal authorization for **Gerelco Traffic Controls, Inc** or **Palm Beach County** to date the captioned bond, power of attorney to coincide with the Contract Date and the form of guarantee upon substantial completion. Please note the bond date cannot be prior to the contract date.

Please provide the bond date and send back to our office via email as soon as possible:

Bond Date: \_\_\_\_\_

Thank you and should you have any questions or need any additional information, please feel free to contact our office anytime.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Brett Rosenhaus', written over a horizontal line.

Brett Rosenhaus  
Attorney-in-Fact

---

220 Congress Park Drive, Suite 100, Delray Beach, FL 33445

**FRONT PAGE OF  
PUBLIC PAYMENT BOND**  
Florida Statute 255.05  
**BOND NO. 0265306**

**CONTRACTOR:** Gerelco Traffic Controls, Inc  
560 NW Enterprise Drive,  
Port St. Lucie, FL 34986  
772-324-5826

**SURETY:** Berkley Insurance Company  
475 Steamboat Road,  
Greenwich, CT 06830  
203-542-3800

**AGENT:** Acrisure  
220 Congress Park Dr., Ste 100  
Delray Beach, FL 33445  
561-454-8202

**OBLIGEE:** Palm Beach County  
2633 Vista Parkway,  
West Palm Beach, FL 33411  
561-276-1220

<b>PROJECT:</b>	2022052-20222821 - Traffic Signalization at Lantana Rd & Congress Ave ID #40100
<b>LOCATION:</b>	Lantana Rd & Congress Ave

**PUBLIC CONSTRUCTION BOND**

BOND NUMBER      0265306

BOND AMOUNT      \$743,843.40

CONTRACT AMOUNT      \$743,843.40

CONTRACTOR'S NAME:      Gerelco Traffic Controls, Inc.

CONTRACTOR'S ADDRESS:      560 NW Enterprise Drive, Port Saint Lucie, FL 34986

CONTRACTOR'S PHONE:      (772) 340-7474

SURETY COMPANY:      Berkley Insurance Company

SURETY'S ADDRESS:      475 Steamboat Road  
   Greenwich, CT 06830

SURETY'S PHONE:      (203) 542-3800

OWNER'S NAME:      PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS  
   CAPITAL IMPROVEMENTS DIVISION

OWNER'S ADDRESS:      2633 Vista Parkway  
   West Palm Beach, FL 33411-5604

OWNER'S PHONE:      (561) 233-0261

PROJECT NAME:      Lantana Rd & Congress Ave

PROJECT NUMBER:      2022052-20222821

CONTRACT NUMBER (to be provided after Contract award):      2022052

DESCRIPTION OF WORK:      Construction of a Mast Arm traffic signal at the intersection of Lantana Rd &  
   Congress Ave County Intersection ID #40100

PROJECT ADDRESS, PCN, or LEGAL DESCRIPTION:      Lantana Rd & Congress Ave  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

This Bond is issued in favor of the County conditioned on the full and faithful performance of the Contract.

KNOW ALL MEN BY THESE PRESENTS: that Contractor and Surety, are held and firmly bound unto  
Palm Beach County Board of County Commissioners  
301 N. Olive Avenue  
West Palm Beach, Florida 33401

as Obligee, herein called County, for the use and benefit of claimant as hereinbelow defined, in the amount of

Dollars (\$ 743,843.40 )

for the payment whereof Principal and Surety bind themselves, their heirs, personal representatives, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, Principal has by written agreement dated \_\_\_\_\_, 20\_\_\_\_ entered into a Contract with the County for

Project Name: Traffic Signalization at Lantana Rd & Congress Ave ID #40100  
Project No.: 2022052-2022821  
Project Description: Traffic Signalization at Lantana Rd & Congress Ave ID #40100  
Project Location: Lantana Rd & Congress Ave ID #40100

in accordance with Drawings and Specifications prepared by

NAME OF ARCHITECTURAL FIRM: TBD  
LOCATION OF FIRM: TBD  
PHONE: TBD

which contract is by reference made a part hereof in its entirety, and is hereinafter referred to as the Contract.

THE CONDITION OF THIS BOND is that if Principal:

1. Performs the contract dated \_\_\_\_\_ between Principal and County for the construction of the project as described above, the Contract being made a part of this bond by reference, at the times and in the manner prescribed in the contract; and
2. Promptly makes payments to all claimants, as defined in Section 255.05, Florida Statutes, supplying Principal with labor, materials, or supplies, used directly or indirectly by Principal in the prosecution of the work provided for in the contract; and
3. Pays County all losses, damages (including liquidated damages), expenses, costs, and attorneys' fees, including appellate proceedings, that County sustains because of a default by Principal under the contract; and
4. Performs the guarantee of all work and materials furnished under the contract for the time specified in the contract, then this bond is void; otherwise it remains in full force.
5. Any changes in or under the contract documents and compliance or noncompliance with any formalities connected with the contract or the changes does not affect Surety's obligation under this bond.

Any increase in the total contract amount as authorized by the County shall accordingly increase the Surety's obligation by the same dollar amount of said increase. Contractor shall be responsible for notification to Surety of all such changes.


6. The amount of this bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder, inclusive of the payment by Surety of construction liens which may be filed of record against said improvement, whether or not claim for the amount of such lien be presented under and against the bond.

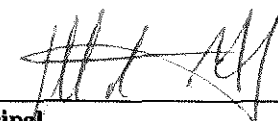
7. Principal and Surety expressly acknowledge that any and all provisions relating to consequential, delay and liquidated damages contained in the contract are expressly covered by and made a part of this Performance, Labor and Material Payment Bond. Principal and Surety acknowledge that any such provisions lie within their obligations and within the policy coverages and limitations of this instrument.

Section 255.05, Florida Statutes, as amended, together with all notice and time provisions contained therein, is incorporated herein, by reference, in its entirety. Any action instituted by a claimant under this bond for payment must be in accordance with the notice and time limitation provisions in Section 255.05(2), Florida Statutes. This instrument regardless of its form, shall be construed and deemed a statutory bond issued in accordance with Section 255.05, Florida Statutes.

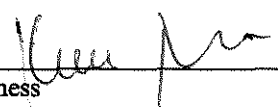
Any action brought under this instrument shall be brought in the court of competent jurisdiction in Palm Beach County and not elsewhere.

Gerelco Traffic Controls, Inc.


  
\_\_\_\_\_  
Witness

  
\_\_\_\_\_  
**Principal** (Seal)

Kenneth A. Geremia, Jr. President  
\_\_\_\_\_  
Title

  
\_\_\_\_\_  
Witness

Berkley Insurance Company  
\_\_\_\_\_  
**Surety** (Seal)

  
\_\_\_\_\_  
Title Brett Rosenhaus, Attorney-in-Fact

IMPORTANT: Surety companies executing bonds must appear and remain on the U.S. Treasury Department's most current list (Federal Register) during construction, guarantee and warranty periods, and be authorized to transact business in the State of Florida.



**FORM OF GUARANTEE**

GUARANTEE FOR Contractor Name: Gerelco Traffic Controls, Inc. and Surety  
Name: Berkley Insurance Company  
\*2022052-2022821

We the undersigned hereby guarantee that the Summit Blvd & Haverhill Rd, ID#32049, Project No. \_\_\_\_\_, Palm Beach County, Florida, which we have constructed and bonded, has been done in accordance with the plans and specifications; that the work constructed will fulfill the requirements of the guaranties included in the Contract Documents. We agree to repair or replace any or all of our work, together with any work of others which may be damaged in so doing, that may prove to be defective in the workmanship or materials within a period of one year from the date of Substantial Completion of all of the above named work by the County of Palm Beach, State of Florida, without any expense whatsoever to said County of Palm Beach, ordinary wear and tear and unusual abuse or neglect excepted by the County. When correction work is started, it shall be carried through to completion.

In the event of our failure to acknowledge notice, and commence corrections of defective work within five (5) working days after being notified in writing by the Board of County Commissioners, Palm Beach County, Florida, we, collectively or separately, do hereby authorize Palm Beach County to proceed to have said defects repaired and made good at our expense and we will honor and pay the costs and charges therefore upon demand.

DATED \_\_\_\_\_  
(Date to be filled in at substantial completion)

SEAL AND NOTARIAL  
ACKNOWLEDGMENT OF SURETY

Gerelco Traffic Controls, Inc.  
(Contractor Name) (Seal)

By: \_\_\_\_\_  
(Contractor Signature)

Kenneth A. Geremia, Jr. President  
(Print Name and Title)

Berkley Insurance Company  
(Surety Name) (Seal)

By: \_\_\_\_\_  
(Surety Signature)

Brett Rosenhaus, Attorney-in-Fact  
(Print Name and Title)

POWER OF ATTORNEY  
BERKLEY INSURANCE COMPANY  
WILMINGTON, DELAWARE

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: *Charles D. Nielson; Charles J. Nielson; Donald A. Lambert, III; Joseph P. Nielson; Jarrett Merlucci; David R. Hoover; Brett Rosenhaus; Laura D. Mosholder; Dale A. Belis; or Kevin R. Wojtowicz of Acrisure Southeast Partners Insurance Services, LLC of Leesburg, 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 2<sup>nd</sup> day of May, 2024.

Attest:  
  
(Seal) By *Philip S. Welt*  
Philip S. Welt  
Executive Vice President & Secretary

Berkley Insurance Company  
  
By *Jeffrey M. Hafter*  
Jeffrey M. Hafter  
Senior Vice President

STATE OF CONNECTICUT )  
 ) ss:  
COUNTY OF FAIRFIELD )

Sworn to before me, a Notary Public in the State of Connecticut, this 2<sup>nd</sup> day of May, 2024, by Philip S. Welt 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 G. RUNDIAKEN  
NOTARY PUBLIC  
CONNECTICUT  
MY COMMISSION EXPIRES 04-30-2028

*Maria G. Rundiaken*  
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 \_\_\_\_\_ day of \_\_\_\_\_, 2024.

(Seal) \_\_\_\_\_  
Vincent P. Forte

COUNTY OF PALM BEACH  
STATE OF FLORIDA  
LANTANA ROAD AND CONGRESS AVENUE

SIGNALIZATION PLANS  
TS 40100

BOARD OF COUNTY COMMISSIONERS  
PROJECT NO. 2022821

INDEX OF SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1	COVER SHEET
T-2	TABULATION OF QUANTITIES
T-3 THRU T-6	GENERAL NOTES
T-7 THRU T-8	SIGNALIZATION PLANS
T-9	MAST ARM TABULATION
T-W	MAST ARM DATA TABLE
T-H	GUIDESIGN WORKSHEET

MARIA G. MARINO  
DISTRICT 1

GREGG K. WEISS  
DISTRICT 2

MICHAEL A. BARNETT  
DISTRICT 3

MARCI WOODWARD  
DISTRICT 4

MARIA SACHS  
DISTRICT 5

SARA BAXTER  
DISTRICT 6



MACK BERNARD  
DISTRICT 7

96% SUBMITTAL

GOVERNING STANDARDS:  
THE FDOT ROADWAY & TRAFFIC DEISGN STANDARDS FY 2024-25  
AND SUPPLEMENTS AND ALL PROVISIONS THERETO NOTED IN THE CONTRACT  
FOR THIS PROJECT.  
  
GOVERNING SPECIFICATIONS ARE CONTAINED IN THE CONTRACT DOCUMENTS  
FOR THIS PROJECT.

ENGINEER'S CERTIFICATION

I HEREBY CERTIFY THAT THE ATTACHED PLANS AND DESIGN  
ARE IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN STANDARDS  
AND CRITERIA IN EFFECT ON THIS DATE FOR PALM BEACH COUNTY  
ENGINEERING DEPARTMENT AND THE STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION.

APPROVED BY: MAJHARUL, ALAM, PE, PMP

DATE: 08/26/2024

P.E. NO.: FL REGISTRATION NO 61600

Exhibit A  
Page 5 of 15

PROPEL

PROPEL ENGINEERING, INC.

2711 N VISTA PARKWAY, SUITE NO. B7  
WEST PALM BEACH, FLORIDA 33411  
FLORIDA BUSINESS CERT. NO. 31050  
PHONE (561) 866-5730

Seal:

MAJHARUL ALAM, PE  
P.E.# 61600

No.	Revisions	By	Date

PALM BEACH COUNTY  
ENGINEERING AND PUBLIC WORKS  
ROADWAY PRODUCTION  
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: N.T.S.

APPROVED: MA  
DRAWN: EM  
CHECKED: JV  
DATE: 08/26/2024

LANTANA ROAD AND  
CONGRESS AVENUE  
COVER SHEET

6:32:34 PM

SHEET: T-1  
OF: T-II  
PROJECT NO.  
2022821

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS		TOTAL THIS SHEET		GRAND TOTAL	
			T-8		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL				
630-2-11A	Additional 2" PVC (Sch 40) Conduit, in Open Trench	LF	80		80		80	
630-2-12-2-2	2-2" (HDPE SDR 11) Under Pavement Conduit (Directional Bore)	LF	620		620		620	
630-2-12-2-4	4-2" (HDPE SDR 11) Under Pavement Conduit (Directional Bore)	LF	230		230		230	
630-2-12-2-7	7-2" (HDPE SDR 11) Under Pavement Conduit (Directional Bore)	LF	620		620		620	
632-7-1-7A	Pedestrian Signal Cable - 7 Conductor	PI	1		1		1	
632-7-6	Signal Cable, Remove - in Intersection	PI	1		1		1	
635-2-12-A	Pull Box (17" x 30" x 12"D) Heavy Duty Covers (Tier 22)	EA	17		17		17	
635-2-12-C	Pull Box (30" x 48" x 24"D) Heavy Duty Split Covers (Its) (Tier 22)	EA	3		3		3	
635-2-12-D	Pull Box (17" x 30" x 24"D) Heavy Duty Split Covers (Its) (Tier 22)	EA	1		1		1	
639-1-111	Electrical Power Service with Meter Base (Overhead) Meter Furnished By Power Company	AS	1		1		1	
639-2-1-3	Electrical Service Wire (Sigle Phase 3-Wire, Triplex)	LF	45		45		45	
641-2-12-16	Prestressed Concrete Pole (16' Type P-II )	EA	1		1		1	
641-2-60	Concrete Pole Removal - Deep (Includes Pole and Buried Attachments to A Depth of 4 Feet Below Existing Grade) Includes Disposal of Pole When instructed by Engineer	EA	2		2		2	
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	4		4		4	
646-1-11	Aluminum Signals Pole, Pedestal with Transformer Base (8 Feet Above Ground)	EA	8		8		8	
646-1-60	Aluminum Signal Pole, Remove	EA	3		3		3	
649-22-21L	Mast Arm Assembly with Street Light, Furnish and Install on Existing Foundation, Single Arm 78' (A78/S-P6/S/L)	EA	4		4		4	
649-2-16-50	Drilled Shaft Foundation Assembly, 16' Deep and 5' Diameter, Furnish and Install (DS/16/5 )	EA	2		2		2	
649-2-18-50	Drilled Shaft Foundation Assembly, 18' Deep and 5' Diameter, Furnish and Install (DS/18/5 )	EA	2		2		2	
650-1-13	Traffic Signal Head Aluminum (3-Section, 1-Way) Includes Backplates	AS	26		26		26	
650-1-15	Traffic Signal Head Aluminum (5-Section, 1-Way) Includes Backplates	AS	2		2		2	
650-1-60	Traffic Signal Head Assembly, Removal	AS	20		20		20	
653-191	Pedestrian Signal - Count Down (1-Way) Aluminum	AS	8		8		8	
660-1-109	Loop Detector Inductive, F&I, TYPE 9	EA	21		21		21	
660-2-106-B	Loop Assembly ( Type F - 46' )	AS	21		21		21	
665-1-11	Pedestrian Detector (Push Button)	EA	8		8		8	
670-5-110-B	Traffic Controller Assembly, (TYPE 6) as Per Naztec	AS	1		1		1	
670-5-600	Traffic Controller Assembly, Remove Controller with Cabinet	AS	1		1		1	
684-1-3	Managed Field Ethernet Switch, Furnish & Install	EA	1		1		1	
685-1-12	Uninterruptible Power Supply, Furnish and Install, Line Interactive	EA	1		1		1	
690-15	Remove internally Illuminated Sign	EA	4		4		4	
690-80	Remove Span Wire Assembly	PI	1		1		1	
700-3-201	Sign Panel, Furnish & Install Overhead Mount, Up to 12 SF	EA	2		2		2	
700-5-21	Internally Illuminated Sign (6') Fluorescent	EA	4		4		4	
715-11-211-L2	Furnish and Install 263 Watt Cobrahead LED Luminaire	EA	4		4		4	

Exhibit A  
Page 6 of 15



**PROPEL ENGINEERING, INC.**  
2711 N VISTA PARKWAY, SUITE NO. 87  
WEST PALM BEACH, FLORIDA 33411  
FLORIDA BUSINESS CERT. NO. 31050  
PHONE (561) 866-5730

Seal:

NAJHARUL ALAM, PE  
P.E.# 61600

No.	Revisions	By	Date



PALM BEACH COUNTY  
ENGINEERING AND PUBLIC WORKS  
ROADWAY PRODUCTION  
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

Shuvo

SCALE: N.T.S.  
APPROVED: MA  
DRAWN: EM  
CHECKED: JV  
DATE: 08/26/24

8/26/2024

**LANTANA ROAD AND  
CONGRESS AVENUE**  
**TABULATION OF QUANTITIES**

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SHEET: T-2  
OF: T-11  
PROJECT NO.  
2022821

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PRIOR TO CONSTRUCTION:

- 1) CONTRACTOR SHOULD REVIEW AND ADHERE TO THE PALM BEACH COUNTY TRAFFIC SIGNAL INSTALLATION STANDARDS AND DETAILS 2022 (OR LATEST REVISED EDITION) AND THE FDOT DESIGN STANDARD PLANS 2023-2024 (OR LATEST EDITION).
- 2) PRIOR TO EQUIPMENT ORDER, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE EOR AND PALM BEACH COUNTY TRAFFIC DIVISION EQUIPMENT SPECIFICATIONS OR DESIGN DATA FOR ALL MATERIAL PROPOSED FOR THE PROJECT. THIS SHALL INCLUDE, BUT IS NOT LIMITED TO:
- I. NON-STRUCTURAL SUBMITTALS
- ALL GUIDE SIGN LEGENDS (IF DIFFERENT FROM DETAILED)  
CONTROLLER CABINET AND ASSEMBLY  
VIDEO DETECTION SYSTEM.
- II. STRUCTURAL SUBMITTALS
- SIGN STRUCTURES, INCLUDING CANTILEVER TRUSSES AND FOUNDATIONS  
MAST ARM, POLE AND FOUNDATIONS  
MAST ARM POLES WITH LUMINAIRE ATTACHMENTS SHALL BE PROVIDE WITH SHOP DRAWINGS AND CALCULATIONS.
- 3) SHOP DRAWINGS AND DESIGN DATA SHALL BE SUBMITTED ELECTRONICALLY TO THE EOR WITH A COPY SENT TO PALM BEACH COUNTY TRAFFIC DIVISION AT ENG-TRAFF-INSPECTION@PBCGOV.ORG. ALLOW 30 DAYS TURN AROUND FOR SUBMITTALS.
- 4) THE CONTRACTOR SHALL CONTACT PBC TRAFFIC OPERATIONS AT 561-233-3900 FORTY-EIGHT (48) HOURS PRIOR TO CONSTRUCTION IF WORK IS BEING DONE WITHIN 10 FEET OF ANY SIGNAL EQUIPMENT OR IN ADVANCE OF ANY SIGNAL RELATED INSTALLATION WORK.
- 5) ALL SIGNS AND OTHER TRAFFIC CONTROL DEVICES, EXCEPT EQUIPMENT SHOWN OR NOTED ON THE PLAN SHEETS FOR REMOVAL BY OTHERS, SHALL BE REMOVED BY THE CONTRACTOR AND STOCKPILED WITHIN THE RIGHT TO WAY ONLY AFTER 48 HOUR NOTICE TO THE MAINTAINING AGENCY. CONTROL DEVICES SHALL THEN BE REMOVED BY OTHERS FOR DELIVERY TO THE NOTIFIED AGENCY.
- 6) ALL REMOVED ITEMS TO BE DELIVERED TO PBCTED AT 2555 VISTA PARKWAY WEST PALM BEACH FL - CALL 48 HOURS PRIOR TO DELIVERY (561) 233-3900. CONCRETE POLES CAN BE DISCARDED/PROPERLY DISPOSED OF.
- 7) DURING DEEP REMOVAL OF MAST ARM FOUNDATION (AND ANY OTHER POLE REMOVAL), IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE ANY OTHER FOUNDATION OR STRUCTURE IN THE CLOSE PROXIMITY OF THE FOUNDATION BEING REMOVED. IF THE CONTRACTOR DETERMINES ANY STRUCTURE OR FOUNDATION IN CLOSE PROXIMITY OF FOUNDATION REMOVED COULD POTENTIALLY BE COMPROMISED, THEY SHALL SECURE IT.
- 8) THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD CHECKING INTERSECTION OPERATIONS AS THEY RELATE TO THE INSTALLATION OF MAST ARMS.
- 9) TEMPORARY DETECTION REQUIRED IF THE EXISTING VEHICLE DETECTION WILL BE IMPACTED AND OUT OF SERVICE FOR MORE THAN 30 DAYS AND IF PEDESTRIAN DETECTION OUT OF SERVICE FOR MORE THAN 3 DAYS WHILE LOCATION IS UNDER CONSTRUCTION.
- 10) ALL PUBLIC LAND CORNERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED BY THE CONTRACTOR AS FOLLOWS: CORNERS AND MONUMENTS IN CONFLICT WITH THE WORK AND IN DANGER OF BEING DAMAGED, DESTROYED, OR COVERED HAVE TO BE PROPERLY REFERENCED BY A PROFESSIONAL LAND SURVEYOR. THIS SHALL BE DONE IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS. PRIOR TO BEGINNING WORK AT THE SITE, THE CONTRACTOR SHALL RETAIN A LAND SURVEYOR TO REFERENCE THE RESTORE, UPON COMPLETION OF THE WORK, ALL SUCH CORNERS AND MONUMENTS. THE CONTRACTOR SHALL FURNISH, TO THE DISTRICT LOCATION SURVEYOR, A SIGNED AND SEALED COPY OF THE LAND SURVEYOR'S REFERENCE DRAWING.
- 11) ALL SURVEY BENCH MARK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED AND REFERENCED BY THE CONTRACTOR IN THE SAME WAY AS PUBLIC LAND CORNERS, EXCEPT THAT THE LAND SURVEYOR SHALL NOT BE REQUIRED TO RESTORE THE NGVD BENCH MARK UPON COMPLETION OF THE WORK. THE CONTRACTOR SHALL PROMPTLY TRANSMIT ALL DISPLACED FOR DAMAGED NGVD DISCS TO THE DISTRICT LOCATION SURVEYOR, WHO WILL NOTIFY THE GEODETIC INFORMATION CENTER.
- 12) ALL EXISTING SIGNALIZATION EQUIPMENT IS ASSUMED TO BE IN GOOD WORKING ORDER UNLESS PBCTED IS NOTIFIED IN WRITING PRIOR TO START OF CONSTRUCTION. ANY SUBSEQUENT DAMAGE TO THE SIGNAL EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR.

Exhibit A  
Page 7 of 15



**PROPEL ENGINEERING, INC.**  
2711 N VISTA PARKWAY, SUITE NO. 87  
WEST PALM BEACH, FLORIDA 33411  
FLORIDA BUSINESS CERT. NO. 31050  
PHONE (561) 866-5730

Seal:  
  
HAJHARUL ALAM, PE  
P.E.# 61600

No.	Revisions	By	Date



PALM BEACH COUNTY  
ENGINEERING AND PUBLIC WORKS  
ROADWAY PRODUCTION  
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

Shuvo

SCALE: N.T.S.  
APPROVED: MA  
DRAWN: EM  
CHECKED: JV  
DATE: 08/26/24

8/26/2024

**LANTANA ROAD AND  
CONGRESS AVENUE  
GENERAL NOTES**

6:32:35 PM

SHEET: T-3  
OF: T-11  
PROJECT NO.  
2022821

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- 13) EXISTING COMMUNICATIONS OR COMMAND WIRE CONNECTIONS SHALL BE MAINTAINED AT ALL SIGNALIZED LOCATIONS DURING CONSTRUCTION. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, INTERCONNECT, RAILROAD FLASHING BEACONS, RAILROAD PREEMPTION, EMERGENCY VEHICLE PREEMPTION, AND SCHOOL ZONE FLASHERS. CONTRACTOR TO PROVIDE TEMPORARY LINES AND CONNECTIONS IF NECESSARY. COST OF MAINTAINING COMMUNICATION INCLUDING TEMPORARY CONNECTIONS SHALL BE INCLUDED IN PAY ITEM 102-1 MOT. A CELLULAR COMMUNICATION PLAN MAY NEED TO BE INSTALLED AND APPROVED BY THE COUNTY TO MAINTAIN CONTINUOUS COMMUNICATION THROUGHOUT THE PROJECT.
- 14) THE CONTRACTOR SHALL PREPARE TRAFFIC CONTROL PLANS AND SUBMIT THEM FOR REVIEW AND APPROVAL BY THE ENGINEER OF RECORD AND THE TRAFFIC DIVISION - MOT SECTION AT LEAST TWO (2) WEEKS IN ADVANCE OF PROPOSED WORK. NO LANE CLOSURES ARE ALLOWED DURING AM AND PM PEAK HOURS (BASED ON LANE CLOSURE ANALYSIS).
- 15) ALL PEDESTRIAN DETOURS FOR MOT TO BE PRE-APPROVED BY PBC TRAFFIC ENGINEERING DIVISION.
- 16) NO EXISTING PEDESTRIAN CROSSING TO BE ELIMINATED AT ANY TRAFFIC SIGNAL WITHOUT PRE-APPROVAL FROM PBC TRAFFIC ENGINEERING.
- 17) IT SHOULD BE NOTED THAT NO TEST BORINGS WERE MADE WHERE CONDUIT RUNS ARE TO BE INSTALLED BY DIRECTIONAL BORING OR TRENCHING. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE JOB SITE CONDITIONS BEFORE SUBMITTING BID PROPOSALS IN ACCORDANCE WITH SECTION 2-4 OF THE FDOT STANDARD SPECIFICATIONS.
- 18) THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF EXISTING LOOP AND LEAD IN WIRE, OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES. THE CONTRACTOR SHALL EXCAVATE BY HAND WHERE CONFLICTS MAY EXIST. DAMAGE TO LOOPS AND ANY SIGNAL EQUIPMENT CAUSED BY CONSTRUCTION OF THIS PROJECT SHALL BE REPAIRED OR REPLACED TO ORIGINAL OR BETTER CONDITION AT NO COST TO PALM BEACH COUNTY.

DURING CONSTRUCTION:

- 1) CONTRACTOR TO MAINTAIN EXISTING SIGNAL OPERATIONAL AT ALL TIMES.
- 2) MAST ARM CONCRETE FOUNDATION SHALL BE POURED IN A SINGLE POUR, FOUNDATIONS THAT DO NOT COMPLY WITH THIS REQUIREMENT SHALL BE COMPLETELY REMOVED AND RE-POURED AT THE CONTRACTOR'S EXPENSE. A DRILL SHAFT INSTALLATION PLAN SHALL BE PART OF THE SHOP DRAWINGS.
- 3) CONTRACTOR IS RESPONSIBLE FOR THE PROPER BOLT PROJECTION ABOVE FINISHED SIDEWALK GRADE. THE CONTRACTOR SHALL ENSURE THAT THE DRILL SHAFT AND BOLT PATTERNS ARE INSTALLED CORRECTLY SO THAT THE MAST ARM WILL BE ANGLED AS SHOWN ON THE PLANS.
- 4) IF PHASE 1 (UNDERGROUND ONLY) AND PHASE 2 (ABOVE GROUND) IS PROPOSED ON PERMITTING PROJECTS, CONTRACTOR IS RESPONSIBLE TO ENSURE EXPOSED BOLTS ARE PROTECTED FROM THE ELEMENTS (INSTALL BOLT CAPS).
- 5) FOR MAST ARM SIGNAL INSTALLATIONS, THE CONTRACTOR SHALL INSTALL WIRE MESH SUPPORT GRIPS FOR STRAIN RELIEF. ALL SIGNAL CABLE MUST BE HELD BY A STRAIN RELIEF (LE GRAND BC0750FSS) ATTACHED TO THE J HOOK INSIDE OF A MAST ARM. TO USE APPROVED EQUIVALENT, SHOP DRAWINGS SHALL BE SUBMITTED TO PBC ENGINEER FOR PREAPPROVAL. WRITTEN APPROVAL FOR SHOP DRAWINGS SHALL BE PROVIDED AT TIME OF FINAL SIGNAL INSPECTION.
- 6) THE DRILL SHAFT FOUNDATION SHALL BE FLUSH WITH THE SIDEWALK (GROUND LEVEL), NOT BELOW GROUND LEVEL. STRUCTURAL GROUT PAD MUST NOT EXTEND HIGHER THAN A 2" ELEVATION ABOVE FOUNDATION PER FDOT STANDARDS.
- 7) SIGNAL CABLE - CONTRACTOR SHALL INSTALL TRAFFIC SIGNAL CABLE IN ACCORDANCE WITH PBC STANDARDS. THERE SHALL BE NO SPLICING. IF CONTINUOUS RUNS ARE NOT POSSIBLE, THEN TERMINAL BLOCK SHALL BE USED.
- 8) CONTROLLER CABINET - THE CONTROLLER CABINET SHALL BE INSTALLED SUCH THAT THE CONTROLLER DOOR WILL OPEN AWAY FROM THE ROADWAY TRAVEL LANES AND POSITIONED TO ALLOW THE TECHNICIAN TO SEE THE INTERSECTION.
- 9) CONTRACTOR TO PROVIDE A MINIMUM 2 FEET CABLE SLACK AT ALL PULL BOXES AND HAND HOLDS.
- 10) PEDESTRIAN SIGNALS - EACH PEDESTRIAN SIGNAL SHALL BE FED WITH ONE 7 CONDUCTOR CABLE FOR PEDESTRIAN SIGNAL HEAD AND ONE 4 CONDUCTOR CABLE FOR THE PEDESTRIAN DETECTOR/PUSH BUTTON. THESE CABLES WILL RUN FROM EACH PEDESTRIAN SIGNAL/DETECTOR DIRECTLY TO CONTROL BOX WITH NO SPLICES.
- 11) POSITION PULL BOXES, CABINETS, POLES AND OTHER OBSTRUCTIVE ITEMS CLEAR OF CURB CUT RAMPS. PULL BOXES SHALL BE PLACED BEHIND CURB AND GUTTER. IF THERE IS NO CURB AND GUTTER, THEN PULL BOXES SHALL BE PLACED AT LEAST 10 FEET FROM THE EDGE OF PAVEMENT. PULL BOXES SHALL NOT BE LOCATED AT THE BOTTOM OF ANY DITCH OR RETENTION AREA/POND. ALL PULL BOXES SHALL HAVE A 1' WIDE (MIN.) X 6" DEEP CONTINUOUS CONCRETE APRON SLOPED AWAY FROM BOX (TYPICALLY 1%)
- 12) SPARE CABINET CONDUIT SHALL BE STUBBED AND CAPPED IN THE NEAREST PULL BOX. USE GEL CAPS FOR ANY SPARE/USED CONDUIT.

- 13) THE USE OF "JONES" PLUGS FOR SIGNAL INSTALLATIONS SHALL BE PROHIBITED.
- 14) ALL FIELD WIRING SHALL BE NEATLY BUNDLED AND CLEARLY IDENTIFIED WITH PERMANENT LEGIBLE, WEATHERPROOF TAGS THAT ARE SECURELY ATTACHED TO EACH CABLE. THE TAGGING SYSTEM PROPOSED SHALL BE SUBMITTED FOR APPROVAL WITH THE OTHER EQUIPMENT SUBMITTALS REQUIRED FOR THIS PROJECT.
- 15) THE CONTRACTOR SHALL VERIFY COLOR CODES OF SIGNAL CABLE WITH PALM BEACH COUNTY BEFORE ORDERING.
- 16) DO NOT INSTALL LOOP LEAD-INS WITHIN PAVERS OR IN THE AREA BETWEEN PAVERS AND EDGE OF CURB. FOR ANY INTERSECTIONS WITH PAVERS, THE LEAD-INS NEED TO RUN THROUGH CONDUITS UNDER THE PAVERS.
- 17) INSTALL PEDESTRIAN SIGNALS PER ADA CLEARANCES, PROVIDING CONTINUOUS UNOBSTRUCTED PEDESTRIAN/WHEELCHAIR CIRCULATION PATH TO PEDESTRIAN AREAS (PUSH BUTTON, RAMP, ETC).
- 18) THE T-BASE (PEDESTRIAN PEDESTAL BASE) SHALL BE ORIENTED SO THE TECHNICIAN CAN OPEN THE DOOR AND ALSO SEE ON-COMING TRAFFIC. CAULK AS NEEDED IF THERE IS A LARGE GAP BETWEEN CONCRETE FOUNDATION/SIDEWALK AND THE PEDESTAL BASE.
- 19) PEDESTAL POLE BASE NUT SHOULD BE LARGE ENOUGH TO COVER HOLE AND WASHER.
- 20) ALL SET SCREWS MUST BE INSTALLED (NONE SHOULD BE MISSING). MOST MANUFACTURES HAVE THEM DESIGNED INTO THE PEDESTRIAN BASES FROM FACTORY. WHEN PEDESTAL POLE IS SET AT PROPER DIRECTION, DRILL AND TAP HOLE THRU BASE AND ALUMINUM CONDUIT. SET SCREWS SHOULD GO THROUGH SIDE OF BASE INTO PEDESTAL POLE TO PENETRATE INTO PIPE TO KEEP IT FROM ROTATING. USING A 1/4"X20 SS HEX HEAD BOLT WILL LOCK THE PIPE FROM TURNING.
- 21) BOLTS SHOULD BE LONG ENOUGH TO PROTRUDE THROUGH THE THREADED HOLE AND HOLD WASHER AND NUT.
- 22) CAULKING/SEALANT TO BE APPLIED AT ALL SIGNALS FLANGE CONNECTIONS, INCLUDING BUT NOT LIMITED TO THE TOP OF THE FLASHER SIGNAL.
- 23) THE CONTRACTOR SHALL BUILD NEW ELECTRICAL POWER SERVICE AND DISCONNECT ON MONUMENT WITH A MINIMUM HEIGHT OF EIGHT (8) FEET.
- 24) THE CONTRACTOR SHALL COORDINATE AND FIELD VERIFY LOCATION(S) OF ELECTRICAL SERVICE POINT PRIOR TO INSTALLING CONDUIT, DISCONNECT SWITCH, TRANSFORMER AND PULL BOXES.
- 25) POWER SOURCE -ON MODIFICATIONS/UPGRADES TO EXISTING TRAFFIC SIGNALS A) IF ADDING LOAD, THEN ADD METER; B) IF NOT ADDING LOAD (IE JUST RELOCATING SAME EQUIPMENT) KEEP EXISTING POWER SOURCE. ALL NEW INSTALLED SIGNALS WILL BE METERED. CONTRACTOR SHALL COORDINATE WITH FPL FOR NEW INSTALLATION AS REQUIRED. ELECTRIC SERVICE TO BE SET UP IN CONTRACTOR'S NAME, THEN TRANSFERRED TO PBC TRAFFIC DIVISION AFTER 90 DAY BURN AND FINAL ACCEPTANCE.
- 26) THE CONTRACTOR SHALL COORDINATE WORK SCHEDULE, COORDINATE TIMING AND AUTHORIZATION OF POWER SERVICE WITH PALM BEACH COUNTY TRAFFIC ENGINEERING. CONTACT TIMING ENGINEER (561-684-4030) 2 WEEKS IN ADVANCE OF CONSTRUCTION AND TO COORDINATE TIMING CHANGES PRIOR TO LOOP DAMAGE. CONTACT PBC TRAFFIC OPERATIONS (561-233-3900) TO COORDINATE REPLACING THE OLD SCHOOL FLASHERS AND RETIMING THE NEW SCHOOL FLASHERS.
- 27). ANY SIGNAL MODIFICATION NECESSARY IN ORDER TO CARRY OUT PROJECT CONSTRUCTION SHALL BE SUBMITTED TO PBC TRAFFIC ENGINEERING DIVISION FOR APPROVAL. SIGNAL MODIFICATION SUBMITTAL TO BE IN A FORM OF A LEGIBLE PLAN THAT CLEARLY SHOWS THE SIGNAL HEAD FACES AND ALIGNMENT WITH THE PROPOSED LANE MODIFICATION, AND SIGNAL PHASING. ALL SIGNAL MODIFICATIONS TO FOLLOW MUTCD MINIMUM REQUIREMENTS.
- 28) MOT PLANS WILL NOT BE APPROVED UNTIL THE SIGNAL MODIFICATION PLANS HAVE BEEN APPROVED BY PBC TRAFFIC ENGINEERING.
- 29) DURING CONSTRUCTION OF NEW SIGNAL EQUIPMENT AT EXISTING SIGNALIZED INTERSECTION, THE CONTRACTOR SHALL COORDINATE THEIR ACTIVITIES TO ENSURE THAT FUNCTIONING TRAFFIC SIGNALS REMAIN VISIBLE TO MOTORISTS.
- 30) SPAN WIRE SIGNALS ONLY - DISCONNECTS FOR SIGNAL HEADS ON SPAN WIRE SIGNALS SHALL BE MODEL # 1150-18-T APL 659-004-007 WITH TRI STUD SPAN WIRE CLAMP ADAPTER MODEL # 1156-T APL 659-016-002. BOTH ARE MANUFACTURED BY ENGINEERING CASTINGS AND SUPPLIED BY PELCO PRODUCTS. ALL EQUIPMENT TO BE APPROVED BY PBC TRAFFIC PRIOR TO ORDERING VIA THE SHOP DRAWINGS.

INSPECTION AND ACTIVATION:

1) THE CONTRACTOR SHALL SUBMIT IN WRITING TO THE MAINTAINING AGENCY FOR FINAL INSPECTION ALLOW TWO (2) WEEKS OR INSPECTION. TO SCHEDULE A SIGNAL INSPECTION, PLEASE EMAIL ENG-TRAFF-INSPECTION@PBCGOV.ORG IF YOUR PROJECT IS PART OF PBC ROADWAY PROJECT, THEN COPY IN CONSTRUCTION COORDINATOR/ROAD INSPECTOR.

2) AT THE TIME OF FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL FURNISH PALM BEACH COUNTY WITH TWO (2) COMPLETE COPIES OF SIGNED AND SEALED "AS-BUILT" PLANS AND CONSULTANT TO PROVIDE ELECTRONIC CAD FILES.

3) A 90 DAY BURN-IN PERIOD IS REQUIRED FOR ALL TRAFFIC SIGNAL EQUIPMENT. THE BURN-IN PERIOD WILL COMMENCE UPON A WRITTEN CONDITIONAL ACCEPTANCE BY THE COUNTY AND WILL TERMINATE NINETY (90) CONSECUTIVE DAYS, THEREAFTER, UNLESS AN EQUIPMENT MALFUNCTION OCCURS.

4) AFTER THE SIGNAL INSPECTION IS COMPLETED AND ALL OUTSTANDING ISSUES ARE RESOLVED (PUNCH LIST ITEMS COMPLETED), THE CONTRACTOR CAN REQUEST PB COUNTY TO SCHEDULE THE SIGNAL ACTIVATION. CONTRACTOR OR CEI SHALL REQUEST ACTIVATION TWO WEEKS IN ADVANCE.

5) WITH NEW TRAFFIC SIGNAL INSTALLATION AND PRIOR TO ACTIVATION: VARIABLE MESSAGE SIGNS SHALL BE INSTALLED SEVEN (7) DAYS BEFORE AND SEVEN (7) DAYS AFTER SIGNAL ACTIVATION AS FOLLOWS:

PRIOR TO SIGNAL ACTIVATION

PANEL 1 - TRAFFIC SIGNAL WILL BE PANEL 2- ACTIVE ON DATE (IE THURS JUNE 25)

AFTER SIGNAL ACTIVATION

PANEL 1 - TRAFFIC SIGNAL PANEL 2- NOW ACTIVE

PAY ITEM NOTES:

635-2-11 TYPICAL SIGNAL PULL BOXES SHALL BE 17" X 30" X12" IN DIMENSION AND HEAVY DUTY TIER 22 OR HIGHER. LIDS TO BE MARKED "PBC TRAFFIC"

635-2-12 TYPICAL ITS PULL BOXES SHALL BE 17" X 30" X 24" (SMALL) OR 30" X 48" X24" (LARGE) AND HEAVY DUTY TIER 22 OR HIGHER. LIDS TO BE MARKED "PBC TRAFFIC ITS".

660-2-XX TYPICAL LOOP SIZE IS 46' LONG.

649-XX-XXX AT THE DISCRETION OF THE ENGINEER OF RECORD AND WITH MUTUAL AGREEMENT OF PBC TRAFFIC ENGINEERING FINAL LOCATIONS OF THE MAST ARMS MAY BE ADJUSTED IN THE FIELD IF THERE IS ANY CONFLICT WITH UTILITIES. SIGNAL CONTRACTOR SHALL VERIFY THE PROPOSED FOUNDATION ELEVATIONS.

650-1-XX TRAFFIC SIGNAL HEADS ARE TO BE CAST ALUMINUM. LED MODULES SHALL BE INSTALLED ON ALL SIGNAL DISPLAYS, INCLUDING ARROWS. THESE MODULES SHALL INCLUDE A MANUFACTURER'S WARRANTY OF AT LEAST FIVE YEARS. THE MAXIMUM POWER RATING SHALL BE 10 WATTS FOR RED BALLS, 14 WATTS FOR GREEN BALLS, AND 7 WATTS FOR THE ARROWS. ALL SIGNAL HEADS SHALL HAVE TUNNEL VISORS AND BACK PLATES.

665-1-XX ALL PEDESTRIAN PUSH BUTTONS SHALL BE ADA COMPLIANT. PBC PREFERS THE POLARA ENGINEERING INC BDL3 BULLDOG III SERIES PUSH BUTTON (APL 665-003-011) WITH COUNTY LOGO. CONTACT MANUFACTURER FOR THE CUSTOM ETCHED LOGO AND REFER TO BDL3-B-CE. COSTS OF PEDESTRIAN SIGN SHALL BE INCLUDED IN UNIT PRICE FOR PEDESTRIAN DETECTORS.

700-5-XX ILLUMINATED STREET NAME SIGNS SHALL BE DOUBLE SIDED AND FREE SWINGING MOUNTED EXCEPT WHERE NOTED. CONTRACTOR SHALL INSTALL ONE PHOTOCCELL PER INTERNALLY ILLUMINATED STREET NAME SIGN. PER THE FDOT PAY ITEM DETAIL, ALL MOUNTING HARDWARE IS INCLUDED IN THE SIGN PAY ITEM. PER MUTCD, USE CORRECT GREEN TRANSLUCENT FILM FOR SIGN PANEL.

715-5-XX LUMINAIRE SHALL BE AUTOBAHN SERIES ATB2 LED (ATB2- P604, R4, 263 WATT, 3000K, MVOLT 120 VOLTS OR ATB2 P601, R4, 175 WATT, 3000K, MVOLT 120V) AND EACH FIXTURE SHALL BE PROVIDED WITH PHOTOELECTRIC CELL. A SEPARATE CIRCUIT/BREAKER SHALL BE PROVIDE IN SIGNAL DISCONNECT FOR MAST ARMS WITH LUMINAIRES, COST OF WHICH IS INCLUDED UNDER THE PAY ITEM.



DATE: 02-23-2022, F.A.C.

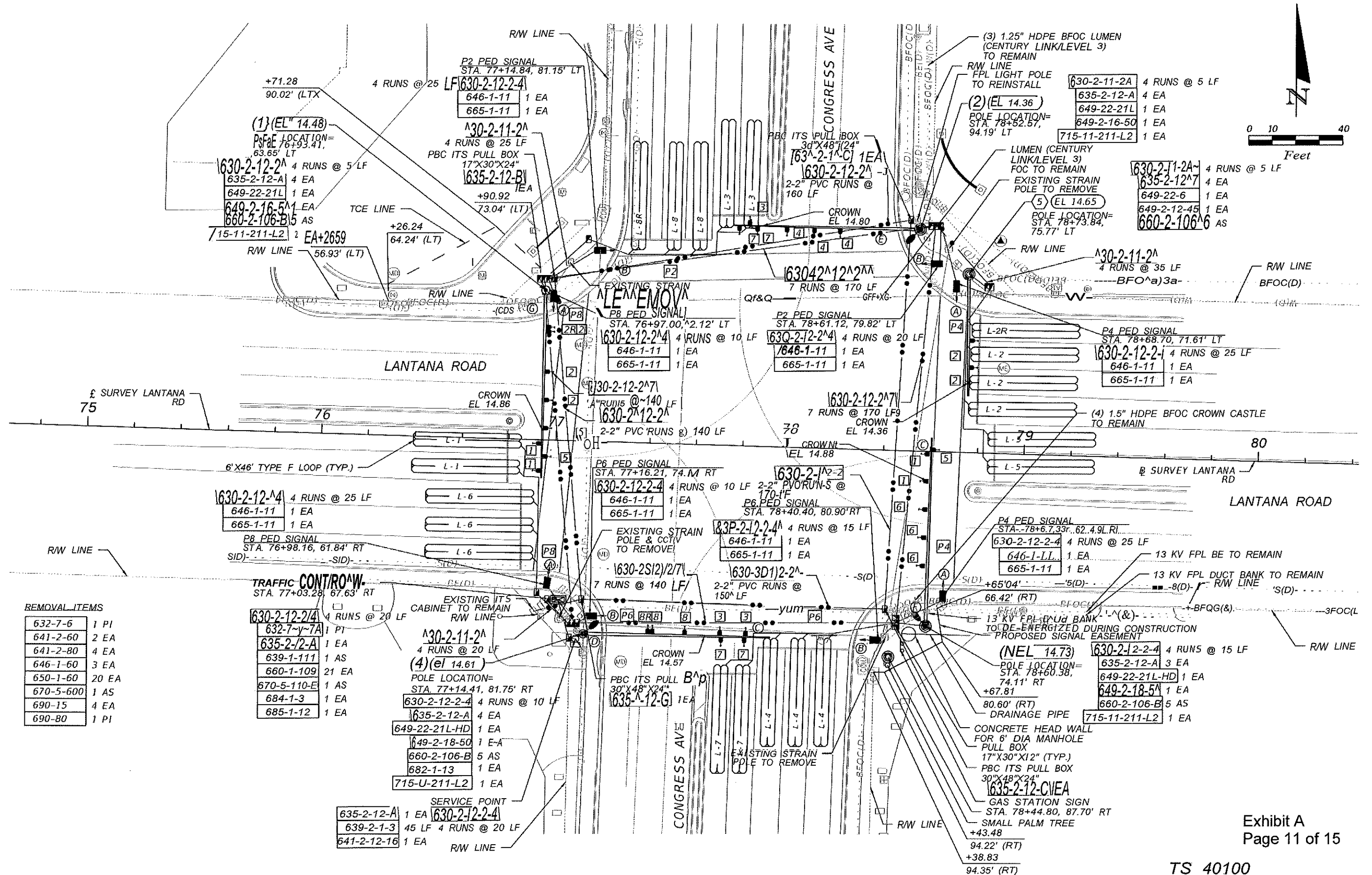


Exhibit A  
Page 11 of 15

TS 40100

**PRSPER**

**PROPEL ENGINEERING, INC.**  
2711 N VISTA PARKWAY, SUITE NO. B7  
WEST PALM BEACH, FLORIDA 33411  
FLORIDA BUSINESS CERT. NO. 31050  
PHONE (561) 866-5730

Seal:  
MAJAHUL ALAM, PE  
P.E.# 61500

No.	Revisions	By	Date



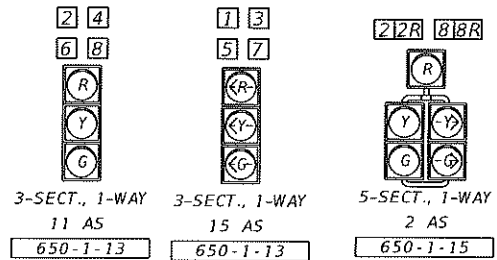
**PALM BEACH COUNTY**  
ENGINEERING AND PUBLIC WORKS  
**ROADWAY PRODUCTION**  
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: 1"=40'  
APPROVED: MA  
DRAWN: DS  
CHECKED: VP  
DATE: 02/24/22  
3/20/2025

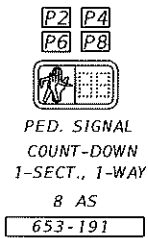
**LANTANA ROAD AND  
CONGRESS AVENUE  
SIGNALIZATION PLANS**

SHEET:  
OF: **T-13**  
PROJECT NO.  
2022821

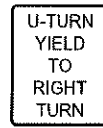
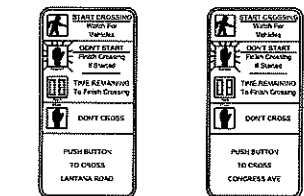
SIGNAL HEADS



PEDESTRIAN SIGNAL HEADS



SIGN DETAILS



①  
1 EA  
700-5-21  
E-MOD FONT ILLUMINATED  
STREET NAME SIGNS

②  
1 EA  
700-5-21  
E-MOD FONT ILLUMINATED  
STREET NAME SIGNS



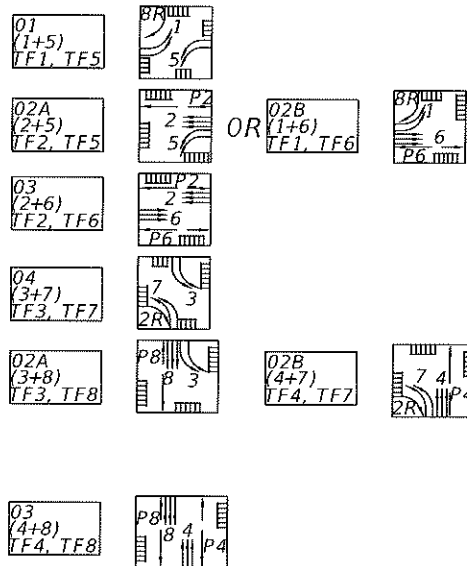
③  
1 EA  
700-5-21  
E-MOD FONT ILLUMINATED  
STREET NAME SIGNS

④  
1 EA  
700-5-21  
E-MOD FONT ILLUMINATED  
STREET NAME SIGNS

CONTROLLER NOTES:

- EXISTING SIGNAL PHASING AND TIMINGS TO REMAIN
- FLASHING OPERATIONS:  
ALL OPERATIONS FLASH RED
- SPEED LIMITS  
LANTANA ROAD (MAJOR ROAD):  
POSTED SPEED = 45 MPH  
CONGRESS AVE (MINOR ROAD):  
POSTED SPEED = 45 MPH
- ALL LOOPS SHALL BE INSTALLED 4' UPSTREAM OF THE STOP BAR. ALL LOOPS ARE 6'X46'.

S.O.P



LOOP DETECTOR CONNECTION				
DETECTOR UNIT NO.	DETECTOR OPERATION	CONNECTED TO LOOP	CONNECTED TO TIMING FUNCTION	NO. OF LOOPS
1	NORMAL	L2	TF2	3
2	NORMAL	L6	TF6	3
3	NORMAL	L1	TF1	2
4	NORMAL	L5	TF5	2
5	NORMAL	L8	TF8	2
6	NORMAL	L4	TF4	3
7	NORMAL	L3	TF3	2
8	NORMAL	L7	TF7	2
9	NORMAL	L2R	TF2R	1
10	DELAY/NORMAL	L8R	TF8R	1

Exhibit A  
Page 12 of 15

PROPEL

PROPEL ENGINEERING, INC.  
2711 N VISTA PARKWAY, SUITE NO. 87  
WEST PALM BEACH, FLORIDA 33411  
FLORIDA BUSINESS CERT. NO. 31050  
PHONE (561) 866-5730

Seal:

HAJHARUL ALAM, PE  
P.E.# 61600

No.	Revisions	By	Date



PALM BEACH COUNTY  
ENGINEERING AND PUBLIC WORKS  
ROADWAY PRODUCTION  
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: N.T.S.  
APPROVED: MA  
DRAWN: EM  
CHECKED: JV  
DATE: 08/26/24

LANTANA ROAD AND  
CONGRESS AVENUE  
SIGNALIZATION PLANS

SHEET: T-8  
OF: T-11  
PROJECT NO.  
2022821

\* 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	ARM M.H.	SIGN DATA										LUMINAIRE DATA						
						SIGNAL V/H	BACK PLATES Y/N	PED. SIGNAL Y/N	DISTANCE FROM POLE																		DISTANCE FROM POLE / HEIGHT AND WIDTH OF SIGN										MOUNTING HEGHT	ORIENTATION ANGLE	WATTAGE	ARM LENGTH		
									1	*	2	*	3	*	4	*	5	*	6	*	7	*	8			*	A	H1	W1	B	H2	W2	C	H3	W3							
1	T-7	76+93.41	14.48	1	14.86	V	Y	N	15.1	5	33.3	3	45.5	3	57.2	3	63.7	3	69.2	3	75.2	3			78	22.00	5.0	24	72								40	45 CCW	268W LED	10		
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2	T-7	78+59.30	14.29	1	14.80	V	Y	N	38.9	3	50.8	3	60.9	3	67.4	3	73.3	3	73.3	3					78	22.00	5.0	24	72								40	45 CCW	268W LED	10		
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3	T-7	78+60.63	14.89	1	14.88	V	Y	N	17.4	3	29.4	3	41.4	3	53.4	3	59.9	3	64.9	3	71.9				78	22.00	5.0	24	72	72.0	36	30					40	45 CCW	268W LED	10		
---	---	---	---	2																																						
4	T-7	77+14.41	14.61	1	14.57	V	Y	N	26.9	5	41.9	3	56.9	3	56.9	3	67.9	3	67.9	3					78	22.00	5.0	24	72	73.4	36	30					40	45 CCW	268W LED	10		
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**PROPEL ENGINEERING, INC.**  
2711 N VISTA PARKWAY, SUITE NO. B7  
WEST PALM BEACH, FLORIDA 33411  
FLORIDA BUSINESS CERT. NO. 31050  
PHONE (561) 866-5730

Seal:

HAJHARUL ALAM, PE  
P.E.# 61600

No.	Revisions	By	Date



PALM BEACH COUNTY  
ENGINEERING AND PUBLIC WORKS  
ROADWAY PRODUCTION  
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

Shuvo

SCALE: N.T.S.  
APPROVED: MA  
DRAWN: EM  
CHECKED: JV  
DATE: 08/26/24

8/26/2024

**LANTANA ROAD AND  
CONGRESS AVENUE  
MAST ARM TABULATION**

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SHEET: T-9  
OF: T-11  
PROJECT NO.  
2022821

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STANDARD MAST ARM ASSEMBLIES DATA TABLE											
STRUCTURE ID NUMBERS	DESTINATION	FIRST ARM		SECOND ARM		UF (deg)	LL (deg)	POLE			DRILLED SHAFT ID
		ARM ID	FAA (ft.)	ARM ID	FAA (ft.)			POLE TYPE	UAA (ft.)	UB (ft.)	
1	A78/S-P6/S/L-DS/16/5	A78/S					45.00	P6/S/L		22.00	SD/16/5
2	A78/S-P6/S/L-DS/16/5	A78/S					45.00	P6/S/L		22.00	SD/16/5
3	A78/S-P6/S/L-DS/18/5	A78/S					45.00	P6/S/L		22.00	SD/18/5
4	A78/S-P6/S/L-DS/18/5	A78/S					45.00	P6/S/L		22.00	SD/18/5

NOTES:

- 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 INCOLUMN 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.
- 3. ARM MOUNTING HEIGHT UB MUST BE BETWEEN 18-22 FEET.
- 4. POLE TYPE P5 AND LARGER REQUIRE A MINIMUM 5.0 FOOT DIAMETER DRILLED SHAFT.
- 5. WORK WITH INDEX 649-030 AND 649-031.
- 6. DESIGN WIND SPEED = 170 MPH.



**PROPEL ENGINEERING, INC.**  
2711 N VISTA PARKWAY, SUITE NO. 87  
WEST PALM BEACH, FLORIDA 33411  
FLORIDA BUSINESS CERT. NO. 31050  
PHONE (561) 866-5730

Seal:

HAJHARUL ALAM, PE  
P.E.# 61600

No.	Revisions	By	Date



PALM BEACH COUNTY  
ENGINEERING AND PUBLIC WORKS  
ROADWAY PRODUCTION  
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

Shuvo

SCALE: N.T.S.  
APPROVED: MA  
DRAWN: EM  
CHECKED: JV  
DATE: 08/26/24

8/26/2024

**LANTANA ROAD AND  
CONGRESS AVENUE  
MAST ARM DATA TABLE**

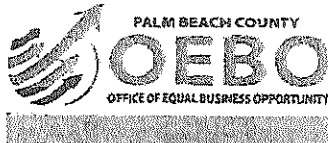
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SHEET - 10  
OF: T-11  
PROJECT NO.  
2022821





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



**Palm Beach County  
Board of County  
Commissioners**

Robert S. Weinroth, Mayor

Gregg K. Weiss, Vice Mayor

Maria G. Marino

Dave Kerner

Maria Sachs

Metissa McKinlay

Mack Bernard

**County Administrator**

Verdenia C. Baker

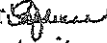
*"An Equal Opportunity  
Affirmative Action Employer"*

Official Electronic Letterhead

## INTER-OFFICE MEMORANDUM

Date: Thursday, January 20, 2022

To: David L. Ricks, County Engineer  
Engineering and Public Works

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

Re: Approval of Request for Waiver of API Requirements for  
Annual Traffic Signal Construction Contract Palm Beach  
County Project #2022052

---

Your Request for Waiver of API Requirements for the above named project was received on Thursday, January 06, 2022 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.

The OEBO is granting this waiver based upon the determination that sufficient qualified S/M/WBEs providing the goods or services required by the contract are unavailable in Palm Beach County despite every reasonable attempt to locate them.

If you have any questions, please contact Allen Gray at 561-616-6842 or email at [agray@pcgov.org](mailto:agray@pcgov.org).

Thank you.

cc: Allen Gray, Manager

Attachment 3  
Page 1 of 1