

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2026	2027	2028	2029	2030
Capital Expenditures	\$ 919,134	-0-	-0-	-0-	-0-
Operating Costs	-0-	-0-	-0-	-0-	-0-
External Revenues		-0-	-0-	-0-	-0-
Program Income (County)	-0-	-0-	-0-	-0-	-0-
In-Kind Match (County)	-0-	-0-	-0-	-0-	-0-
NET FISCAL IMPACT	\$ 919,134	-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 3500 Dept 361 Unit 2004-024 Object 6408

Recommended Sources of Funds/Summary of Fiscal Impact:

Transportation Improvmt Fund
 Traffic Signals - County wide
 Belvedere Rd & Cleary Rd (TS-29063)

WO#G-1

Construction Contract	\$ 765,944.50
Contingency	\$ 153,188.90
Fiscal Impact	\$ 919,133.40

C. Departmental Fiscal Review: Danny Ramlalson

III. REVIEW COMMENTS

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

Steve Muth 2/27/2024
 OFMB
 P2021 MO 2/27

Frank Muth 3/7/26
 Contract Dev. and Control 26 3.2.26

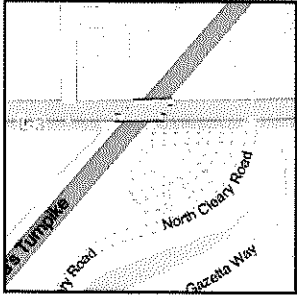
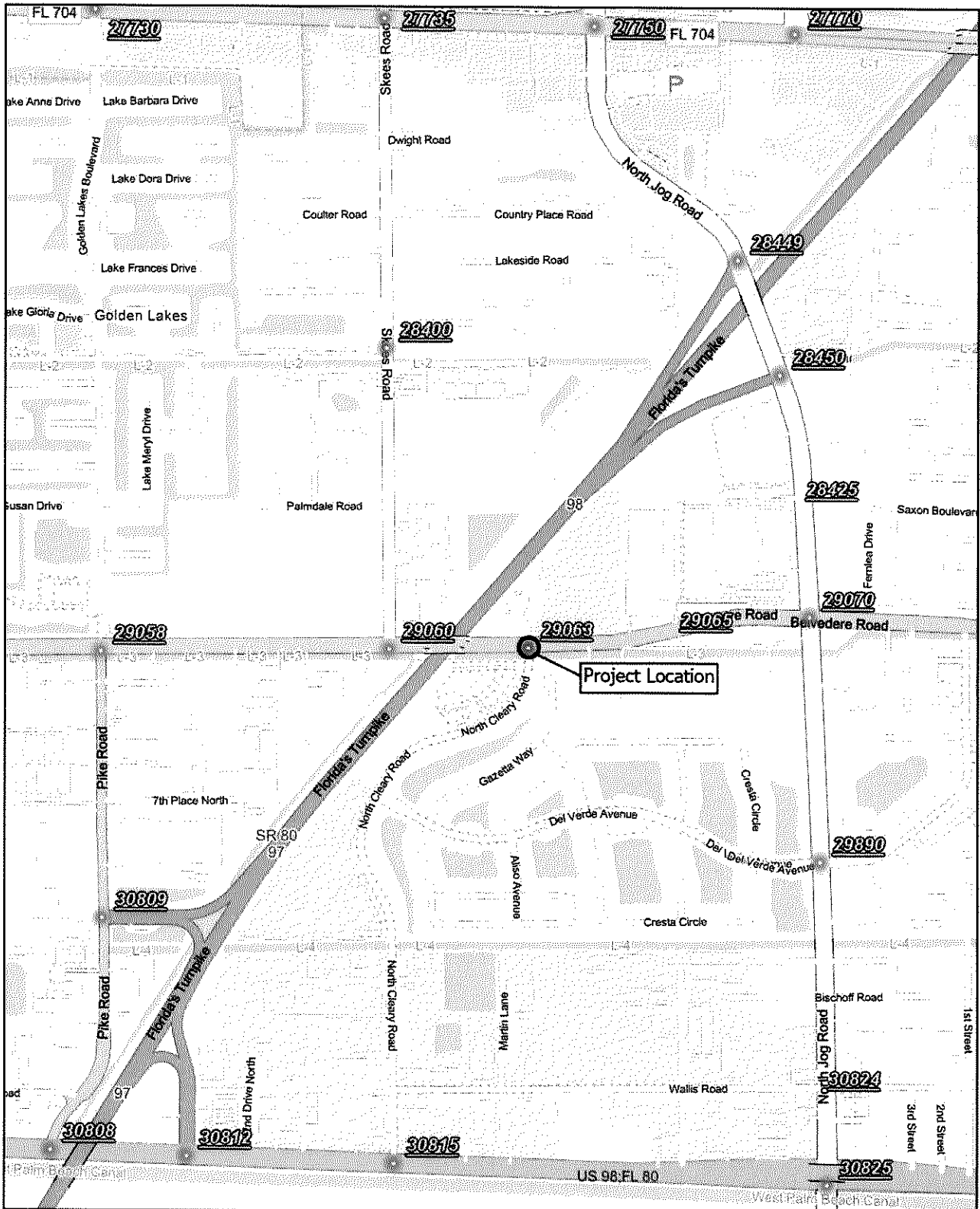
B. Approved as to Form and Legal Sufficiency:

[Signature] 3/3/26
 Assistant County Attorney

C. Other Department Review:

 Department Director

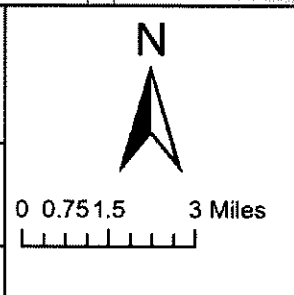
This summary is not to be used as a basis for payment.



**Belvedere RD & N Cleary RD
TS/TCL - 29063**

Project # 2022723

2025



WORK ORDER TO THE ANNUAL TRAFFIC SIGNAL CONTRACT (R2025-1042) BETWEEN PALM BEACH COUNTY AND GERELCO TRAFFIC CONTROLS, INC. TO CONSTRUCT A MAST ARM TRAFFIC SIGNAL AT THE INTERSECTION OF BELVEDERE ROAD AND CLEARY ROAD, PALM BEACH COUNTY INTERSECTION ID NUMBER 29063, SIGNAL PROJECT NUMBER 2022-723, PALM BEACH COUNTY, FLORIDA

THIS WORK ORDER TO THE ANNUAL TRAFFIC SIGNAL CONTRACT DATED AUGUST 19, 2025 (R2025-1042), is made and entered into this 14th day of April, 2026, 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 August 19, 2025, **COUNTY** and **CONTRACTOR** entered into an Annual Contract (**R2025-1042**) (**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 at the intersection of Belvedere Rd and Cleary Rd, Palm Beach County Intersection ID Number 29063, (**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 \$919,133.40 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 **Exhibit A**.
3. **COUNTY** agrees to pay the **CONTRACTOR** a fee not to exceed \$919,133.40 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, 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: _____
Sara Baxter, Mayor

ATTEST:
Michael A. Caruso
Clerk of the Circuit Court & Comptroller

BY: _____
Deputy Clerk

COUNTY SEAL

APPROVED AS TO TERMS AND CONDITIONS

BY: Motsem Al-Turk
Motsem Al-Turk
Traffic Division, Director

APPROVED AS TO FORM & LEGAL SUFFICIENCY:

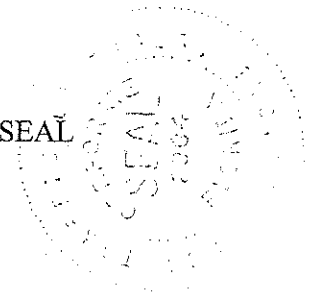
BY: Yelizaveta Herman
Yelizaveta Herman
Assistant County Attorney

CONTRACTOR:

Gerelco Traffic Controls, Inc., a Florida Corporation

BY: Kenneth A. Geremia, Jr.
Kenneth A. Geremia, Jr.
President

CORPORATE SEAL



WITNESS:

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

BY: CeCelia Williams
CeCelia Williams
(Printed Name)

PALM BEACH COUNTY ENGINEERING & PUBLIC WORKS
TRAFFIC DIVISION WORK ORDER / ANNUAL CONTRACT R2025-1042

PROJECT NAME: Belvedere Rd and Cleary Rd
(PBC Intersection 29063)

BUDGET LINE ITEM:

KDO NUMBER: KDO-

PBC ENGINEERING ANNUAL SIGNAL CONTRACT NUMBER: R2025-1042

PBC ENGINEERING PROJECT NUMBER: N/A

PBC TRAFFIC DIVISION SIGNAL PROJECT NUMBER: 2022-723

WORK ORDER NUMBER: G-1

DATE: _____ COMMISSION DISTRICT: 2

TO: Jake Ridinger, Gerelco Traffic Controls, Inc.

In accordance with the terms of your contract dated August 19, 2025, 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 11/6/2025.


The above work shall be performed at: Belvedere Rd and Cleary Rd (PBC Intersection 29063).

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 \$919,133.40, which includes \$153,188.90 contingency (see attached Bidtab for quantities). The Office of Equal Business Opportunity waived the API Requirements.

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 & 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
 #2025054**

DATE: 11/6/2025 SIGNAL PROJECT #: 2022-723

INTERSECTION: Belvedere Rd and Cleary Rd

INTERSECTION ID.# 29063

ITEM NO.#	PRODUCT NAME	QTY	PRICE	LINE TOTAL
102-1-A	GENERAL MAINTENANCE OF TRAFFIC - [HR] [F&I]	16	\$562.00	\$8,992.00
630-2-11-2	2" PVC (SCH 40) UNDERGROUND CONDUIT - [LF] [F&I]	320	\$14.00	\$4,480.00
630-2-12-2-1	1-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE) - [LF] [F&I]	395	\$33.00	\$13,035.00
630-2-12-2-2	2-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE) - [LF] [F&I]	245	\$38.00	\$9,310.00
630-2-12-2-3	3-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE) - [LF] [F&I]	635	\$44.00	\$27,940.00
630-2-12-2-5	5-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE) - [LF] [F&I]	135	\$60.00	\$8,100.00
630-2-14-1	1" RIGID CONDUIT HOT DIPPED GALVANIZED CONDUIT SURFACE MOUNTED - [LF] [F&I]	50	\$38.00	\$1,900.00
632-7-1-19G	SIGNAL CABLE (SPAN LENGTH 751' - Greater) - [PI] [F&I]	1	\$14,500.00	\$14,500.00
632-7-1-4A	PEDESTRIAN SIGNAL CABLE - 4 CONDUCTOR - [PI] [F&I]	1	\$4,500.00	\$4,500.00
632-7-1-7A	PEDESTRIAN SIGNAL CABLE - 7 CONDUCTOR - [PI] [F&I]	1	\$8,500.00	\$8,500.00
635-2-12-A	PULL BOX (17" x 30" x 12"D) HEAVY DUTY COVERS (TIER 22) - [EA] [F&I]	30	\$2,850.00	\$85,500.00
635-2-12-C	PULL BOX (30" x 48" x 24"D) HEAVY DUTY SPLIT COVERS (ITS) (TIER 22) - [EA] [F&I]	1	\$5,230.00	\$5,230.00
635-2-12-D	PULL BOX (17" x 30" x 24"D) HEAVY DUTY SPLIT COVERS (ITS) (TIER 22) - [EA] [F&I]	2	\$3,100.00	\$6,200.00
635-2-12-D	PULL BOX (17" x 30" x 24"D) HEAVY DUTY SPLIT COVERS (ITS) (TIER 22) - [EA] [F&I]	2	\$3,100.00	\$6,200.00
639-1-121	ELECTRICAL POWER SERVICE WITH METER BASE (UNDERGROUND) METER FURNISHED BY POWER COMPANY - [AS] [F&I]	1	\$3,500.00	\$3,500.00
639-2-1-3	ELECTRICAL SERVICE WIRE (SINGLE PHASE 3-WIRE, TRIPLEX) - [LF] [F&I]	395	\$9.90	\$3,910.50
639-3-11	ELECTRICAL SERVICE DISCONNECT (BREAKER BOX, SHEET T 6.2 OF PBC STANDARDS) - [EA] [F&I]	1	\$3,000.00	\$3,000.00
641-2-12-16	PRESTRESSED CONCRETE POLE (16' TYPE P-II) - [EA] [F&I]	1	\$3,500.00	\$3,500.00
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL WITH TRANSFORMER BASE (8 FEET ABOVE GROUND) - [EA] [F&I]	6	\$1,767.00	\$10,602.00

DATE: 11/6/2025

SIGNAL PROJECT #: 2022-723

INTERSECTION: Belvedere Rd and Cleary Rd

INTERSECTION ID.# 29063

ITEM NO.#	PRODUCT NAME	QTY	PRICE	LINE TOTAL
649-2-14-45	DRILLED SHAFT FOUNDATION ASSEMBLY, 14' DEEP AND 4.5' DIAMETER, FURNISH AND INSTALL (DS/14/4.5) - [EA] [F&I]	1	\$27,654.00	\$27,654.00
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	\$30,000.00	\$30,000.00
649-2-20-50	DRILLED SHAFT FOUNDATION ASSEMBLY, 20' DEEP AND 5.0' DIAMETER, FURNISH AND INSTALL (DS/20/5.0) - [EA] [F&I]	1	\$41,500.00	\$41,500.00
649-22-10L-HD	MAST ARM ASSEMBLY WITH STREET LIGHT, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 60' HEAVY DUTY (A60/S-P4/S/L-HD) - [EA] [F&I]	1	\$49,000.00	\$49,000.00
649-22-15L-HD	MAST ARM ASSEMBLY WITH STREET LIGHT, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 70' HEAVY DUTY (A70/S-P5/S/L-HD) - [EA] [F&I]	1	\$60,500.00	\$60,500.00
649-22-6L	MAST ARM ASSEMBLY WITH STREET LIGHT, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 50' (A50/S-P3/S/L) - [EA] [F&I]	2	\$46,500.00	\$93,000.00
650-1-13	TRAFFIC SIGNAL HEAD ALUMINUM (3-SECTION, 1-WAY) INCLUDES BACKPLATES - [AS] [F&I]	9	\$2,150.00	\$19,350.00
650-1-14	TRAFFIC SIGNAL HEAD ALUMINUM (4-SECTION, 1-WAY) INCLUDES BACKPLATES - [AS] [F&I]	2	\$2,500.00	\$5,000.00
650-1-15	TRAFFIC SIGNAL HEAD ALUMINUM (5-SECTION, 1-WAY) INCLUDES BACKPLATES - [AS] [F&I]	1	\$3,125.00	\$3,125.00
653-191	PEDESTRIAN SIGNAL - COUNT DOWN (1-WAY) ALUMINUM - [EA] [F&I]	4	\$1,300.00	\$5,200.00
660-2-106-B	LOOP ASSEMBLY (TYPE F - 46'). - [EA] [F&I]	13	\$4,850.00	\$63,050.00
665-1-11	PEDESTRIAN DETECTOR (PUSH BUTTON) - [EA] [F&I]	6	\$300.00	\$1,800.00
670-5-110-B	TRAFFIC CONTROLLER ASSEMBLY (TYPE 6) AS PER NAZTEC - [AS] [F&I]	1	\$48,500.00	\$48,500.00
715-5-11	LUMINAIRE & BRACKET (SPECIAL) WITH LED FIXTURE - [EA] [F&I]	4	\$4,500.00	\$18,000.00
700-5-22-LED-MA	INTERNALLY ILLUMINATED SIGN (8') LED FOR MAST ARM [F&I]	4	\$5,980.00	\$23,920.00
*649-2-18-50B	FULL LENGTH CASTING DRILL SHAFT	1	\$47,446.00	\$47,446.00

DATE: 11/6/2025

SIGNAL PROJECT #: 2022-723

INTERSECTION: Belvedere Rd and Cleary Rd

INTERSECTION ID.# 29063

ITEM NO.#	PRODUCT NAME	QTY	PRICE	LINE TOTAL
			TOTAL :	\$765,944.50

Comments: Bid Tab = \$765,944.50
Contingency 20% = \$153,188.90
Not to exceed = \$919,133.40

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

GRAND TOTAL (Not To Exceed): \$919,133.40

COUNTY OF PALM BEACH STATE OF FLORIDA

SIGNALIZATION PLANS

BELVEDERE ROAD AND CLEARY ROAD P.B.C. PROJECT #2022723 P.B.C. INTERSECTION #29063

90% PLANS

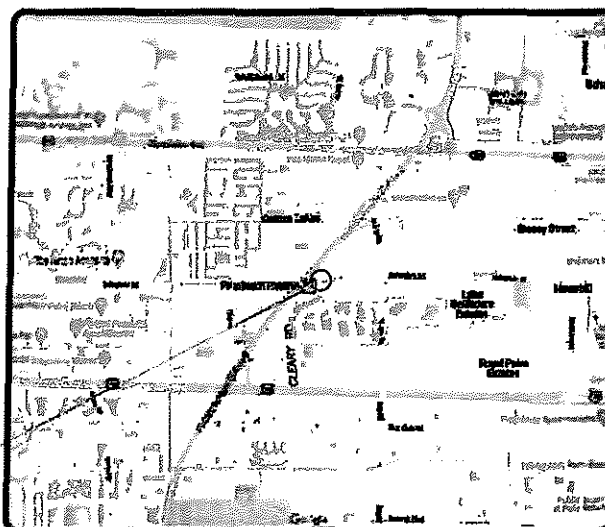
INDEX OF SHEETS

SHEET No.	DESCRIPTION
T-1	KEY SHEET
T-2	TABULATION OF QUANTITIES
T-3	GENERAL NOTES
T-4 & T-5	SIGNALIZATION PLANS
T-5A	PAVEMENT MARKING PLAN
T-6	MAST ARM TABULATION
T-7	MAST ARM ASSEMBLIES
T-8	SIGNAL DETAILS

STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARD PLANS
LATEST EDITION AND STANDARD SPECIFICATIONS FOR ROAD
AND BRIDGE CONSTRUCTION LATEST EDITION, FEBRUARY 2021
PALM BEACH COUNTY TYPICALS FOR PAVEMENT MARKINGS,
SIGNING, AND GEOMETRICS, 2022 PALM BEACH COUNTY
TRAFFIC SIGNAL INSTALLATION STANDARDS AND DETAILS, AS
AMENDED BY CONTRACT DOCUMENTS.

MAINTENANCE OF TRAFFIC:
FOR INDEX #'S USE F.D.O.T. STANDARD PLANS
102-600, 601, 602, 603, 604, 613, 615, 660 & 661

APPLICABLE DESIGN STANDARDS REVISIONS:
For Design Standards Modifications click on
"Design Standards" at the following web site:
<https://www.fdot.gov/design/standardplans/current>



LOCATION MAP
NOT TO SCALE

SEC. 33, TWP. 43S., RGE. 42E.

BELVEDERE ROAD = 50 M.P.H. SPEED LIMIT

CLEARY ROAD = 40 M.P.H. SPEED LIMIT

SIGNALIZATION SHOP DRAWINGS
TO BE SUBMITTED BY EMAIL TO:
TRICW@SIMMONSANDWHITE.COM

PLANS PREPARED BY:
SIMMONS & WHITE, INC.
2581 METROCENTRE BLVD WEST, SUITE 3
WEST PALM BEACH, FL 33407

NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

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.

DATE: _____ PROFESSIONAL ENGINEER #58925

PATRICIA BARR, P.E.

PATRICIA BARR, P.E., STATE OF FLORIDA,
PROFESSIONAL ENGINEER, LICENSE NO. 58925

THIS ITEM HAS BEEN DIGITALLY SIGNED AND
SEALED BY PATRICIA BARR, P.E.
ON 12/22/2023.

PRINTED COPIES OF THIS DOCUMENT ARE NOT
CONSIDERED SIGNED AND SEALED AND THE
SIGNATURE MUST BE VERIFIED ON ANY
ELECTRONIC COPIES.

Digitally signed
by Patricia Barr
Date:

2023.12.22
10:12:18 -05'00'



DESIGN T.B. DRAW G.O. CHECKED A.L. APPROVED R.R. DATE

BELVEDERE ROAD AND
CLEARY ROAD
P.B.C. PROJECT #2022723
P.B.C. INTERSECTION #29063
KEY SHEET

JOB NO. 22-178 SHEET NO. 22178T01 SHEET OF T-1 T-8

SIGNALIZATION GENERAL NOTES

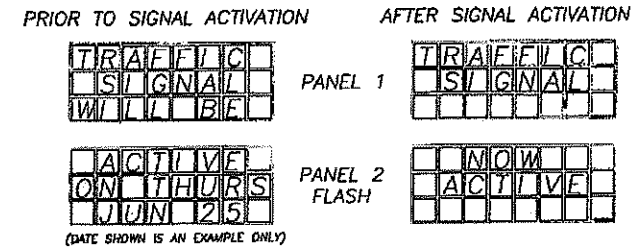
- 1.) SIGN ASSEMBLY LOCATIONS SHOWN ON PLANS WHICH ARE IN CONFLICT WITH LIGHTING, UTILITIES, DRIVEWAYS, WHEELCHUR RAMP, ETC. MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR STREETS AND HIGHWAYS (U.S. DEPARTMENT OF TRANSPORTATION, FHWA). WARNING SIGN LOCATION CHANGES MUST BE APPROVED BY THE DISTRICT TRAFFIC PLANS AND STANDARDS ENGINEER.
 - 2.) CONTRACTOR SHOULD REVIEW AND ADHERE TO THE PALM BEACH COUNTY TRAFFIC SIGNAL INSTALLATION STANDARDS AND DETAILS 2022 (OR LATEST REVISED EDITION), AND FOOT ROADWAY DESIGN STANDARDS 2022-2023 (LATEST EDITION).
 - 3.) THE CONTRACTOR SHALL REFURNISH EXISTING PAVEMENT MARKINGS DAMAGED DURING CONSTRUCTION.
 - 4.) 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 GUARD SIGN LEGENDS (IF DIFFERENT FROM DETAILS)
 - CONTROLLER CABINET AND ASSEMBLY
 - VIDEO DETECTION SYSTEM
 - II. STRUCTURAL SUBMITTALS INCLUDING CANTILEVER TRUSSES AND FOUNDATIONS
 - MAST ARM, POLE AND FOUNDATIONS
 - MAST ARM POLES WITH LUMINAIRE ATTACHMENTS SHALL BE PROVIDED WITH SHOP DRAWINGS AND CALCULATIONS.
 - 5.) SHOP DRAWINGS AND DESIGN DATA SHALL BE SUBMITTED ELECTRONICALLY TO THE ENGINEER OF RECORD WITH A COPY SENT TO PALM BEACH COUNTY TRAFFIC DIVISION AT ENG-TRAF-INSPECT@PBCGOV.ORG. ALLOW 30 DAYS TURN AROUND FOR SUBMITTALS. ALL SUBMITTALS SHOULD BE SUBMITTED TO: TRIC@SIMMONSANDWHITE.COM TEL: (561) 478-7848
 - 6.) THE CONTRACTOR SHALL CONTACT PALM BEACH COUNTY 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.
 - 7.) 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 OF WAY ONLY AFTER 48 HOUR NOTICE TO THE MAINTAINING AGENCY. CONTROL DEVICES SHALL THEN BE REMOVED BY OTHERS FOR DELIVERY TO THE NOTIFIED AGENCY.
 - 8.) ALL REMOVED ITEMS TO BE DELIVERED TO PBC 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.
 - 9.) THE APPROPRIATE UTILITY COMPANIES SHALL BE NOTIFIED BY THE CONTRACTOR TWO (2) BUSINESS DAYS IN ADVANCE OF ANY EXCAVATION INVOLVING ITS UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT.
- | UTILITY OWNER | TELEPHONE NUMBERS | CONTACT PERSON |
|-------------------------------------|-------------------|----------------------|
| SUNSHINE STATE ONE CALL | 811 | |
| AT&T DISTRIBUTION | 888-357-1822 | UTLIOQUEST LLC |
| COMCAST | 954-789-9762 | MICHAEL CONNELL |
| FLORIDA GAS TRANSMISSION | 407-838-7171 | JOSEPH E. SANCHEZ |
| FP&K | 386-586-6403 | JOEL BRAY |
| FLORIDA PUBLIC UTILITIES CO. | 561-398-2338 | FERNANDO VAN-LEEUWEN |
| PALM BEACH COUNTY TRAFFIC OPERATION | 561-233-3900 | SUPERINTENDENT |
| PALM BEACH COUNTY TRAFFIC TIE | 561-581-4365 | DANIEL RODRIGUEZ |
| PALM BEACH COUNTY WATER UTILITIES | 561-483-8116 | JACQUE MICHELS |
- 10.) 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.
 - 11.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD CHECKING INTERSECTION OPERATIONS AS THEY RELATE TO THE INSTALLATION OF MAST ARMS.
 - 12.) 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.
 - 13.) 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 AND 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.
 - 14.) ALL SURVEY BENCH MARK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED AND REFERENCED BY THE CONTRACTOR IN THE SAME MANNER AS PUBLIC LAND CORNERS EXCEPT THAT THE LAND SURVEYOR SHALL NOT BE REQUIRED TO RESTORE THE M.C.V.D. BENCH MARK UPON COMPLETION OF THE WORK. THE CONTRACTOR SHALL PROMPTLY TRANSMIT ALL DISPLACED OR DAMAGED N.C.V.D. DISKS TO THE DISTRICT LOCATION SURVEYOR, WHO WILL NOTIFY THE GEODETIC INFORMATION CENTER.
 - 15.) THE SIGNAL MAINTAINING AGENCY IS PALM BEACH COUNTY TRAFFIC OPERATIONS, SUPERINTENDENT, (561) 233-3900.
 - 16.) ALL EXISTING SIGNALIZATION EQUIPMENT IS ASSUMED TO BE IN GOOD WORKING ORDER UNLESS PROCTED IS NOTIFIED IN WRITING PRIOR TO START OF CONSTRUCTION. ANY SUBSEQUENT DAMAGE TO THE SIGNAL EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR.
 - 17.) EXISTING COMMUNICATIONS OR CABLE 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 NOT. A CELLULAR COMMUNICATION PLAN MAY NEED TO BE INSTALLED AND APPROVED BY THE COUNTY TO MAINTAIN CONTINUOUS COMMUNICATION THROUGHOUT THE PROJECT.
 - 18.) NO EXISTING PEDESTRIAN CROSSING TO BE ELIMINATED AT ANY TRAFFIC SIGNAL WITHOUT PRE-APPROVAL FROM PBC TRAFFIC ENGINEERING.
 - 19.) IT SHOULD BE NOTED THAT NO TEST BORINGS WERE MADE WHERE CONDUIT RUNS ARE TO BE INSTALLED BY DIRECTIONAL BORING DR 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 FOOT STANDARD SPECIFICATIONS.

- 20.) 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 EXCAVATION OF THIS PROJECT SHALL BE REPAIRED OR REPLACED TO ORIGINAL OR BETTER CONDITION AT NO COST TO PALM BEACH COUNTY.
- 21.) THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION.
- 22.) THE PROPOSED LOCATIONS OF ALL POLES, PEDAESTALS, AND OTHER EQUIPMENT REQUIRING EXCAVATION SHALL BE CONSIDERED APPROXIMATE DUE TO THE POTENTIAL OF CONFLICT WITH UNDERGROUND UTILITIES. SLIGHT ADJUSTMENTS DIRECTED BY THE ENGINEER MAY ALSO BE NECESSARY TO SATISFY SAFETY CODES.
- 23.) CONTRACTOR TO MAINTAIN EXISTING SIGNAL OPERATIONAL AT ALL TIMES.
- 24.) 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.
- 25.) CONTRACTOR IS RESPONSIBLE FOR THE PROPER BOLT PROTECTION 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 ANGLE AS SHOWN ON THE PLANS.
- 26.) 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).
- 27.) FOR MAST ARM SIGNAL INSTALLATIONS, THE CONTRACTOR SHALL INSTALL WIRE MESH SUPPORT GRIDS FOR STRAIN RELIEF. ALL SIGNAL CABLE MUST BE HELD BY A STRAIN RELIEF (IE GRAND BC0720FSS) ATTACHED TO THE J HOOK INSIDE OF A MAST ARM. TO USE APPROVED EQUIVALENT, SHOP DRAWINGS SHALL BE SUBMITTED TO PBC ENGINEER FOR PRE-APPROVAL. WRITTEN APPROVAL FOR SHOP DRAWINGS SHALL BE PROVIDED AT TIME OF FINAL SIGNAL INSPECTION.
- 28.) 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.
- 29.) 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.
- 30.) CONTRACTOR TO PROVIDE A MINIMUM 2 FEET CABLE SLACK AT ALL PULL BOXES AND HAND HOLDS.
- 31.) 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.
- 32.) 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%).
- 33.) SPARE CABINET CONDUIT SHALL BE STUBBED AND CAPPED IN THE NEAREST PULL BOX. USE GEL CAPS FOR ANY SPARE/UNUSED CONDUIT.
- 34.) THE USE OF "JONES" PLUGS FOR SIGNAL INSTALLATIONS SHALL BE PROHIBITED.
- 35.) 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.
- 36.) THE CONTRACTOR SHALL VERIFY COLOR CODES OF SIGNAL CABLE WITH PALM BEACH COUNTY BEFORE ORDERING.
- 37.) 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.
- 38.) INSTALL PEDESTRIAN SIGNALS PER ADA CLEARANCES, PROVIDING CONTINUOUS UNOBSTRUCTED PEDESTRIAN/WHEELCHAIR CIRCULATION PATH TO PEDESTRIAN AREAS (PUSH BUTTON, ETC).
- 39.) THE T-BASE (PEDESTRIAN PEDAESTAL 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 PEDAESTAL BASE.
- 40.) PEDAESTAL POLE BASE NUT SHOULD BE LARGE ENOUGH TO COVER HOLE AND WASHER.
- 41.) ALL SET SCREWS MUST BE INSTALLED (NONE SHOULD BE MISSING). MOST MANUFACTURERS HAVE THEM DESIGNED INTO THE PEDAESTAL BASES FROM FACTORY. WHEN PEDAESTAL POLE IS SET AT PROPER DIRECTION, DRILL AND TAP HOLE THRU BASE AND ALUMINUM CONDUIT. SET SCREWS SHOULD GO THROUGH SIDE OF BASE INTO PEDAESTAL POLE TO PENETRATE INTO PIPE TO KEEP IT FROM ROTATING. USING A 1/2" X 20 SS HEX HEAD BOLT WILL LOCK THE PIPE FROM TURNING.
- 42.) BOLTS SHOULD BE LONG ENOUGH TO PROTRUDE THROUGH THE THREADED HOLE AND HOLD WASHER AND NUT.
- 43.) CAULK/SEALANT TO BE APPLIED AT ALL SIGNALS FLANGE CONNECTIONS, INCLUDING BUT NOT LIMITED TO THE TOP OF THE FLASHER SIGNAL.
- 44.) THE CONTRACTOR SHALL BUILD NEW ELECTRICAL POWER SERVICE AND DISCONNECT ON MONUMENT WITH A MINIMUM HEIGHT OF EIGHT (8) FEET.
- 45.) THE CONTRACTOR SHALL COORDINATE AND FIELD VERIFY LOCATION(S) OF ELECTRICAL SERVICE POINT PRIOR TO INSTALLING CONDUIT, DISCONNECT SWITCH, TRANSFORMER AND PULL BOXES.
- 46.) 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.
- 47.) THE CONTRACTOR SHALL COORDINATE WORK SCHEDULE, COORDINATE TIMING AND AUTHORIZATION OF POWER SERVICE WITH PALM BEACH COUNTY TRAFFIC ENGINEERING. CONTACT TRAFFIC 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 RETWING THE NEW SCHOOL FLASHERS.
- 48.) THE CONTRACTOR SHALL SUBMIT IN WRITING TO THE MAINTAINING AGENCY FOR FINAL INSPECTION. ALLOW TWO (2) WEEKS FOR INSPECTION. TO SCHEDULE A SIGNAL INSPECTION, PLEASE EMAIL ENG-TRAF-INSPECT@PBCGOV.ORG.
- 49.) 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.
- 50.) 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.

- 51.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND PERFORMING ALL TREE TRIMMING AND TREE REMOVAL.
- 52.) AFTER THE SIGNAL INSPECTION IS COMPLETED AND ALL OUTSTANDING ISSUES ARE RESOLVED (PUNCH LIST ITEMS COMPLETED), THE CONTRACTOR CAN REQUEST PALM BEACH COUNTY TO SCHEDULE THE SIGNAL ACTIVATION. CONTRACTOR OR EOR SHALL REQUEST ACTIVATION TWO WEEKS IN ADVANCE.
- 53.) 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.
- 54.) SPAN WIRE SIGNALS ONLY - DISCONNECTED FOR SIGNAL HEADS ON SPAN WIRE SIGNALS SHALL BE MODEL #1150-18-1 APL 658-004-007 WITH TRI STUD SPAN WIRE CLAMP ADAPTER MODEL #1156-1 APL 658-018-002. 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.

MAINTENANCE OF TRAFFIC:

- 55.) THE CONTRACTOR SHALL PREPARE TRAFFIC CONTROL PLANS AND SUBMIT THEM FOR REVIEW AND APPROVAL BY THE ENGINEER OF RECORD AND THE TRAFFIC DIVISION - NOT SECTION AT LEAST TWO (2) WEEKS IN ADVANCE OF PROPOSED WORK. NO LANE CLOSURES ARE ALLOWED DURING AN AM AND PM PEAK HOURS (BASED ON LANE CLOSURE ANALYSIS).
- 56.) THE CONTRACTOR SHALL INSTALL CONSTRUCTION SIGNING PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL MAINTAIN SIGNING DURING ALL PHASES OF CONSTRUCTION.
- 57.) NOTIFICATION OF PROPOSED LANE CLOSURES ON TEMPORARY DETOURS SHALL BE ACCOMPLISHED, IN WRITING, 14 BUSINESS DAYS IN ADVANCE OF CLOSURE OR DETOUR.
- 58.) AT THE DISCRETION OF THE ENGINEER, IF A LANE CLOSING CAUSES EXTENDED CONGESTION, THE CONTRACTOR SHALL BE DIRECTED TO REOPEN THE CLOSED LANE(S) UNTIL SUCH TIME AS TRAFFIC FLOW HAS RETURNED TO AN ACCEPTABLE LEVEL.
- 59.) THE ALTERATION OF TRAFFIC TRAVEL-WAYS TO CREATE A WORK ZONE SHALL NOT COMMENCE UNTIL ALL LABOR AND MATERIALS ARE READY FOR THE CONSTRUCTION IN THAT ZONE.
- 60.) REGULATORY SPEED DURING CONSTRUCTION SHALL REMAIN AT THE POSTED SPEED.
- 61.) ALL PEDESTRIAN DETOURS FOR MITT TO BE PRE-APPROVED BY PBC TRAFFIC ENGINEERING DIVISION.
- 62.) 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.
- 63.) NOY PLANS WILL NOT BE APPROVED UNTIL THE SIGNAL MODIFICATION PLANS HAVE BEEN APPROVED BY PBC TRAFFIC ENGINEERING.
- 64.) THE CONTRACTOR SHALL REMOVE OR COVER ANY EXISTING OR PROPOSED SIGNS OR PAVEMENT MARKINGS WHICH CONFLICT WITH THE TRAFFIC CONTROL THROUGH THE WORK ZONE. WHEN THE CONFLICT NO LONGER EXISTS, THE CONTRACTOR SHALL RESTORE THE SIGNS OR PAVEMENT MARKINGS TO THEIR ORIGINAL POSITION.
- 65.) 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:



PATRICIA MARIE BARR, P.E., STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 59923

THIS PLAN HAS BEEN ORIGINALLY DRAWN AND SEALED BY PATRICIA MARIE BARR, P.E. ON 12/22/2023.

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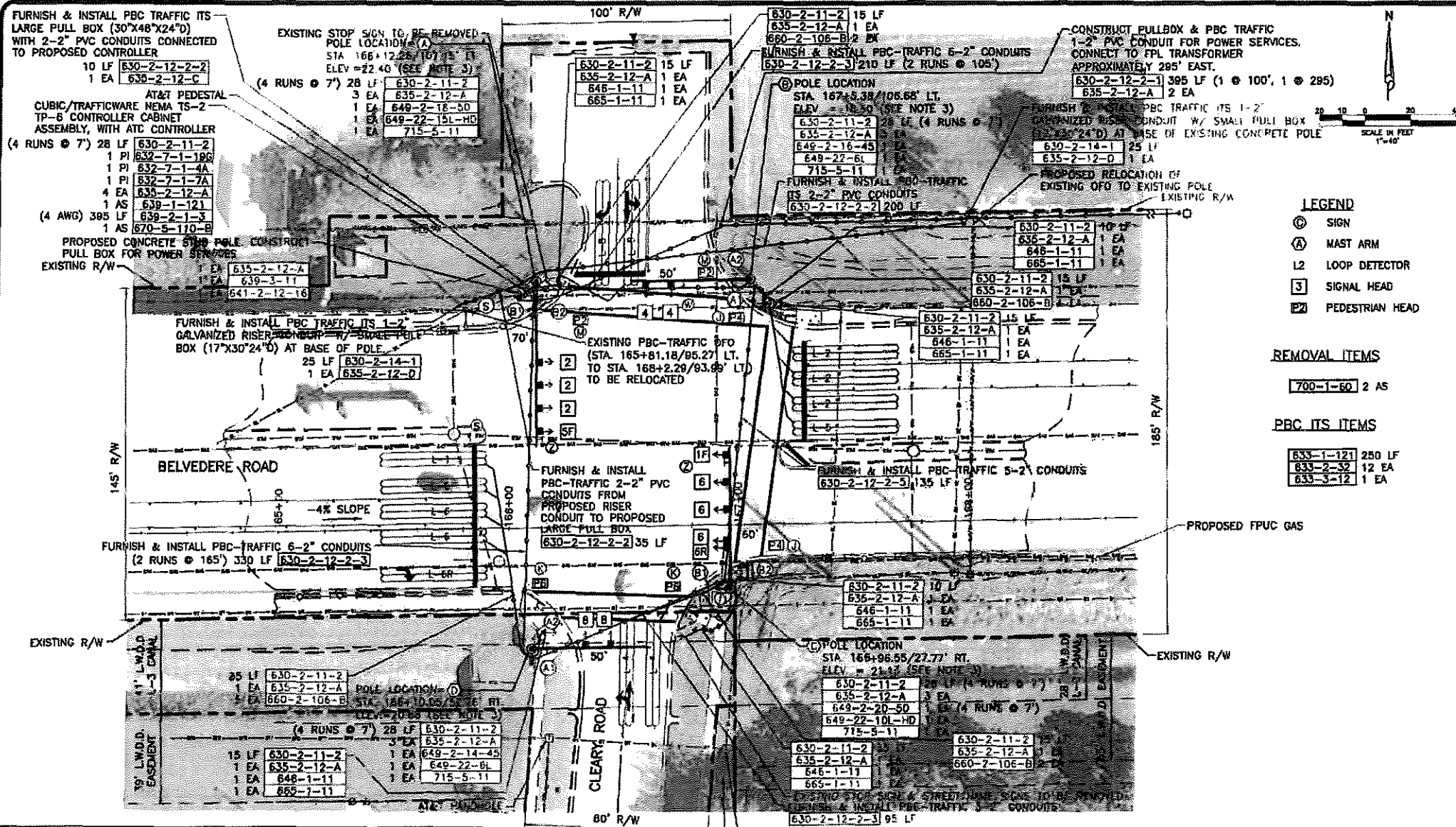
SIMMONS & WHITE

1918 1/2 S.W. 11th St., Ft. Lauderdale, FL 33304
Tel: (561) 312-1111 Fax: (561) 312-1112

DESIGN	ISSUED	CHECKED	APPROVED	DATE
T.S.	C.O.	A.L.	R.R.	

BELVEDERE ROAD AND CLEARLY ROAD
P.B.C. PROJECT #2022723
P.B.C. INTERSECTION #29063
GENERAL NOTES

JOB NO.	DRAWING NO.	SHEET OF
22-178	22178703	T-3 T-8



- LEGEND**
- ⊙ SIGN
 - Ⓐ MAST ARM
 - L2 LOOP DETECTOR
 - L3 SIGNAL HEAD
 - P2 PEDESTRIAN HEAD

REMOVAL ITEMS

700-1-60 2 AS

PBC ITS ITEMS

633-1-121 250 LF
 633-2-32 12 EA
 633-3-12 1 EA

NOTES:

- ALL STATIONS/OFFSETS ARE MEASURED W.R.T. THE BASELINE OF BELVEDERE ROAD.
- SUPPORTING SURVEY PREPARED FOR PALM BEACH COUNTY PROJECT NO. 2022723 BY BROWN & PHILLIPS, INC. DATED 10/27/2022.
- TOP OF FOUNDATION FOR MAST ARMS A, B, C & D SHALL BE 6" ABOVE EXISTING GRADE ELEVATION AT CENTER OF PROPOSED FOUNDATION. CONTRACTOR SHALL ADJUST TOP OF FOUNDATION ELEVATION AS NEEDED TO MAINTAIN 6" OFFSET BETWEEN TOP OF FOUNDATION AND EXISTING GRADE.

PATRICIA WARE BARR, P.E., STATE OF FLORIDA
 PROFESSIONAL ENGINEER, LICENSE NO. 36628
 THIS DRAWING HAS BEEN DIGITALLY SIGNED AND
 SEALED BY PATRICIA WARE BARR, P.E.
 ON 12/22/2023.

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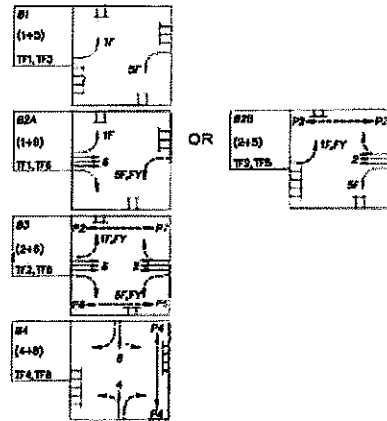
4700 International Parkway, Suite 200, West Palm Beach, FL 33411
 Telephone: 561-840-1100 Fax: 561-840-1101

DESIGN	DRAWN	CHECKED	APPROVED	DATE
T.B.	C.O.	A.L.	R.R.	

BELVEDERE ROAD AND CLEARY ROAD
 P.B.C. PROJECT #2022723
 P.B.C. INTERSECTION #29063
SIGNALIZATION PLAN

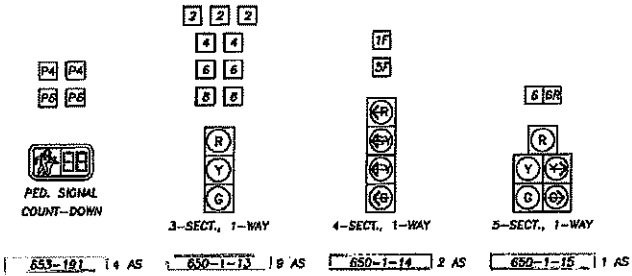
JOB NO.	DRAWING NO.	SHEET OF
22-178	22178104	T-4 T-8

SOP 7

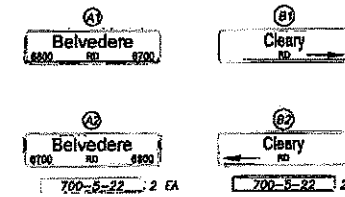


PHASE 6R SHALL NOT CONFLICT WITH PEDESTRIAN PHASE P6.

DETAIL OF SIGNAL HEADS
N.T.S.



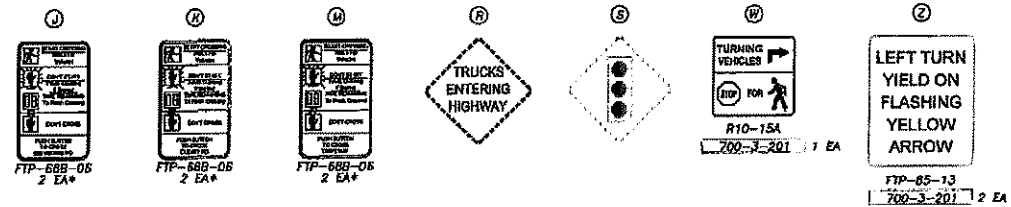
DETAIL OF STREET NAME SIGNS
N.T.S.



-MAXIMUM SIGN DIMENSION 8' LENGTH MAX. AND 2' HEIGHT
-SIGNS SHALL MEET PALM BEACH COUNTY TYPICALS & MUTCD. REFER TO PALM BEACH COUNTY TYPICALS FOR DETAILS ON SIGN INSTALLATION, DIMENSION & LETTERING.

LOOP DETECTOR CONNECTION			
DETECTOR UNIT NO.	DETECTOR OPERATION	CONNECTED TO LOOP	CONNECTED TO TIMING FUNCTION
1	NORMAL	L1	TF1
2	NORMAL	L2	TF2
3	NORMAL	L4	TF4
4	NORMAL	L5	TF5
5	NORMAL	L6, L6R	TF6
6	NORMAL	L8	TF8

DETAIL OF SIGNS
N.T.S.



* COST OF FTP-688-06 SIGNS SHALL BE INCLUDED UNDER PAY ITEM 665-1-11.

NOTES:

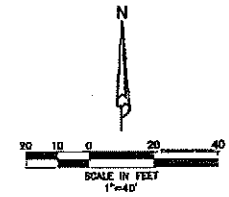
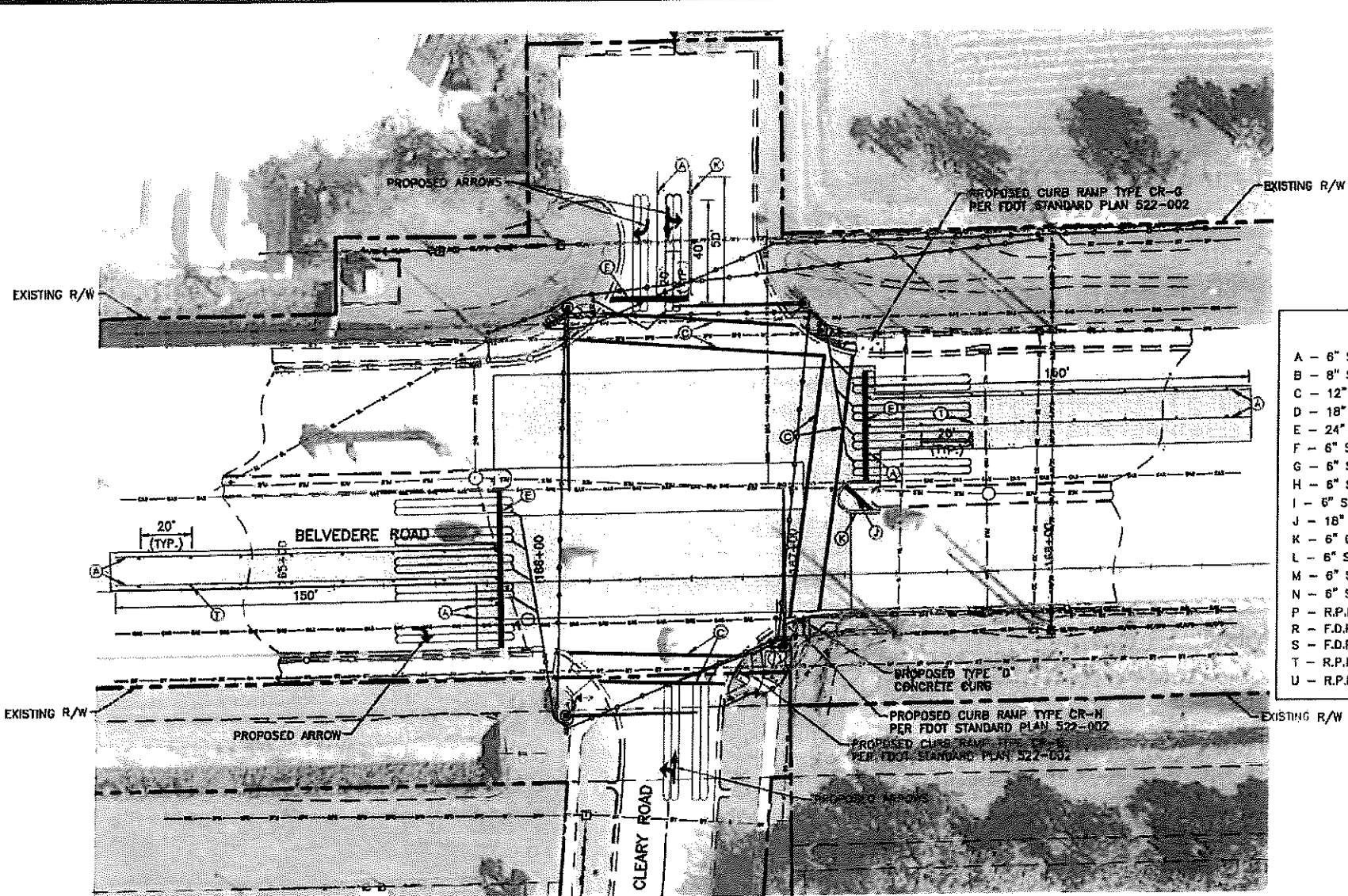
- CONTROLLER OPERATIONS:
- THE CONTROLLER SHALL OPERATE AS SIGNAL OPERATING PLAN 7.
- MAJOR STREET IS BELVEDERE ROAD AND MINOR STREET IS CLEARY ROAD.
- FLASHING OPERATION TO BE YELLOW FOR MAJOR STREET MOVEMENTS 2 & 6 AND RED FOR ALL OTHER MOVEMENTS.
- ACTUAL SIGNAL TIMINGS AND COORDINATION PLANS ARE TO BE DETERMINED BY THE PALM BEACH COUNTY ENGINEER'S REPRESENTATIVE.
- THE SPEED LIMIT ON BELVEDERE ROAD IS 50 MPH, AND ON CLEARY ROAD IS 40 MPH.

PATRICIA MARRI BARR, P.E., STATE OF FLORIDA
PROFESSIONAL ENGINEER, LICENSE NO. 69825
THIS ITEM HAS BEEN DIGITALLY SIGNED AND
SEALED BY PATRICIA MARRI BARR, P.E.
ON 12/22/2023.
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SIMMONS & WHITE

BELVEDERE ROAD AND
CLEARY ROAD
P.B.C. PROJECT #2022725
P.B.C. INTERSECTION #29063
SIGNALIZATION PLAN

DESIGN T.B.	DRAWN C.O.	CHECKED A.L.	APPROVED R.R.	DATE 22-178	JOB NO. 22-178	DRAWING NO. 22178105	SHEET 1-5	OF 1-8
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- LEGEND**
- ⊙ STRIPING
 - ▭ MILL EXISTING PAVEMENT 1" & RESURFACE 1" TYPE FC-9.5 ASPHALT FRICTION COURSE (TRAFFIC C)

- STRIPING KEY**
- A - 6" SOLID WHITE
 - B - 8" SOLID WHITE
 - C - 12" SOLID WHITE
 - D - 18" SOLID WHITE
 - E - 24" SOLID WHITE
 - F - 6" SKIP WHITE TYP. (10'-30')
 - G - 6" SKIP WHITE TYP. (6'-10')
 - H - 6" SKIP WHITE TYP. (2'-4')
 - I - 6" SOLID YELLOW
 - J - 18" SOLID YELLOW
 - K - 6" DOUBLE YELLOW
 - L - 6" SKIP YELLOW TYP. (10'-30')
 - M - 6" SKIP YELLOW TYP. (6'-10')
 - N - 6" SKIP YELLOW TYP. (2'-4')
 - P - R.P.M. BI-DIRECTIONAL AMBER/AMBER
 - R - F.D.P. WHITE
 - S - F.D.P. YELLOW
 - T - R.P.M. BI-DIRECTIONAL WHITE/RED
 - U - R.P.M. BI-DIRECTIONAL RED/YELLOW

Exhibit A
Page 10 of 13

PATRICIA MARE BARR, P.E., STATE OF FLORIDA,
PROFESSIONAL ENGINEER, LICENSE NO. 56925

THIS ITEM HAS BEEN DIGITALLY SIGNED AND
SEALED BY PATRICIA MARE BARR, P.E.
ON 12/22/2023.

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DESIGN T.B. DRAW D.O. CHECKED A.L. APPROVED R.R. DATE

**BELVEDERE ROAD AND
CLEARY ROAD
P.B.C. PROJECT #2022723
P.B.C. INTERSECTION #29063
PAVEMENT MARKING PLAN**

JOB NO. 22-175 DRAWING NO. 2217505A SHEET OF T-5A T-B

V:\MTC\CLAS_78\PROJECTS\2022\BELVEDERE\DWG\2217505A.dwg 12/22/2023 1:29 AM D:\msd\pwb


STANDARD MAST ARM ASSEMBLIES DATA TABLE										TABLE DATE
STRUCTURE ID NUMBERS	DESIGNATION	FIRST ARM		SECOND ARM		LIF (deg)	LL (deg)	POLE		DRILLED SHAFT ID
		ARM ID	FAA (ft.)	ARM ID	SAA (ft.)			POLE ID	UB (ft.)	
A	A70/S/H-P5/S/L-DS/18/5	A70/S/H				45	P5/S/L	22	DS/18/5	
B	A50/S-P3/S/L-DS/16/4.5	A50/S				45	P3/S/L	22	DS/16/4.5	
C	A60/S/H-P4/S/L-DS/20/5	A60/S/H				90	P4/S/L	21	DS/20/5	
D	A50/S-P3/S/L-DS/16/4.5	A50/S				45	P3/S/L	21	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 lip 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 lip and the pole height shortened from LIA to UAA.
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.

GEOTECHNICAL NOTES:

1. The contractor shall anticipate difficult drilled shaft installation due to the presence of loose to very loose sand, or compacted fill, or any combination of these layers. The presence of difficult soil conditions may occur at varying depths below the ground. The contractor shall anticipate potential cave-in of the sandy soils, and difficult/impossible conditions to retain bentonite/polymer slurry inside the drilled holes.

PATRICIA MARIE BARR, P.E., STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 58925 THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY PATRICIA MARIE BARR, P.E. ON 12/22/2023.		 SIMMONS & WHITE <small>1941 Montgomery Street, Suite 200 West Palm Beach, FL 33411 561-844-1111 800-343-3307</small>		BELVEDERE ROAD AND CLEARY ROAD P.B.C. PROJECT #2022723 P.B.C. INTERSECTION #29083 MAST ARM ASSEMBLIES			
DESIGN T.S.	DRAWN D.R.	CHECKED A.L.	APPROVED R.R.	SUIT	JOB NO. 22-178	DRAWING NO. 22178107	SHEET OF T-7 T-8

1/16/2013, 11:23:10 AM - 1760/CALL/FLA/001/1/17/16 Rev. 12/22/2023 1:2 AM Class 02.docx



November 19, 2025

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

RE: Gerelco Traffic Controls, Inc

Bond No. 0273341
Project: 2025054-2022723 Traffic Signalization Belvedere Rd & Cleary Rd

To Whom it May Concern:

Please allow this letter to service as formal authorization for **Gerelco Traffic Controls, Inc** and/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 black ink that reads "Brett Rosenhaus".

Brett Rosenhaus
Attorney-in-Fact

**FRONT PAGE OF
PUBLIC PAYMENT BOND**

Florida Statute 255.05

BOND NO. 0273341

CONTRACTOR: Gerelco Traffic Controls, Inc
560 NW Enterprise Drive,
Port St. Lucie, FL 34986
772-340-7474

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

AGENT: Acrisure
3100 A Federal Highway, Ste G
Delray Beach, FL 33483
561-454-8202

OBLIGEE: Palm Beach County
2633 Vista Parkway,
West Palm Beach, FL 33411
561-355-3230

PROJECT: 2025054-2022723 Traffic Signalization Belvedere Rd & Cleary Rd

LOCATION: Belvedere Rd & Cleary Rd, FL

PUBLIC CONSTRUCTION BOND

BOND NUMBER 0273341

BOND AMOUNT \$919,133.40

CONTRACT AMOUNT \$919,133.40

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: Belvedere Rd & Cleary Rd

PROJECT NUMBER: 2025054-2022723

CONTRACT NUMBER (to be provided after Contract award): 2025054

DESCRIPTION OF WORK: Construction of a Mast Arm traffic signal at the intersection of Belvedere Rd &
Cleary Rd
Congress Ave County Intersection ID #29063

PROJECT ADDRESS, PCN, or LEGAL DESCRIPTION: Belvedere Rd & Cleary Rd

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 (\$ 919,133.40)

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 Belvedere Rd & Cleary Rd ID #29063
Project No.: 2025054-2022723
Project Description: Traffic Signalization at Belvedere Rd & Cleary Rd ID #29063
Project Location: Belvedere Rd & Cleary Rd ID #29063

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.

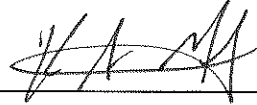
Section 255.05, Florida Statutes, as amended, together with all notice and time provisions contained therein, is incorporated herein, by reference, in its entirety. Any action instituted by a claimant under this bond for payment must be in accordance with the notice and time limitation provisions in 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)

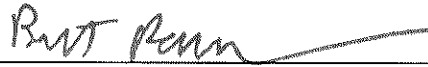
President

Title

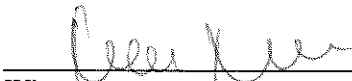
Berkley Insurance Company

Surety

(Seal)



Title Brett Rosenhaus, Attorney-in-Fact



Witness

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
*2025054-2022723

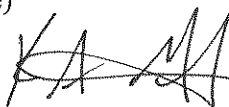
We the undersigned hereby guarantee that the Belvedere Rd & Cleary Rd ID #29063, Project No. _____, Palm Beach County, Florida, which we have constructed and bonded, has been done in accordance with the plans and specifications; that the work constructed will fulfill the requirements of the guaranties 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)



**Palm Beach County
Compliance Summary Report**

Vendor Number	Vendor Name	AM Best Rating	Insurance Carrier	Policy #	Eff. Date	Exp. Date	Coverage	Contract Number	Contract Name
DX00003240	Gerelco Traffic Controls, Inc.		Compliant					2025054	Traffic Signal Continuing Services Construction Contract
		A-g , IX	Rock Ridge Insurance Company	CZ09FLCA000600	9/1/2025	9/1/2026	Auto Liability		
		Ag , XV	Ascot Specialty Insurance Company	EZXS251000385802	9/1/2025	9/1/2026	Excess Liability		
		Ag , XV	AXIS Surplus Insurance Company	P00100142073602	9/1/2025	9/1/2026	Excess Liability		
		A- , VIII	Upland Specialty Insurance Company	USXTL1078285	9/1/2025	9/1/2026	Excess Liability		
		A-g , IX	Highlander Specialty Insurance Company	CZ20FLGL000200	9/1/2025	9/1/2026	General Liability		
		A , XV	Continental Casualty Company	WC794230136	9/1/2025	9/1/2026	Workers Comp		

Risk Profile : Standard - Construction Services
Required Additional Insured : Palm Beach County Board of County Commissioners
Ownership Entity :

GOAL SETTING
Project Summary Worksheet
Availability Adjustment/Weighting

ORIGINATING DEPARTMENT: Engineering and Public Works

DATE: November 12, 2024

SOLICITATION NAME: Traffic Signal Continuing Services Construction Contract

PROJECT No. 2025054

TYPE OF SOLICITATION: IFB

CATEGORY: CONSTRUCTION

AVAILABLE APIs:

SBE Subcontracting (Minimum of 20%)
SBE Price Preference

DEPARTMENT RECOMMENDED API:

SBE Price Preference

Holly Knight

DEPARTMENT REPRESENTATIVE NAME

DEPARTMENT REPRESENTATIVE SIGNATURE

11/12/24

OEBO RECOMMENDED API:

SBE Price Preference

Angela Smith

OEBO REVIEWER NAME

OEBO REVIEWER SIGNATURE

11.15.2024

11/15/2024

GOAL SETTING COMMITTEE DETERMINATION

Ordinance Reference: 2-80.27(1)e.

SBE Price Preference

Tonya Davis Johnson

GOAL SETTING COMMITTEE CHAIRPERSON NAME

GOAL SETTING COMMITTEE CHAIRPERSON SIGNATURE

GSC DATE: 11/20/2024

11/27/2024