



**II. FISCAL IMPACT ANALYSIS**

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

Fiscal Years	2019	2020	2021	2022	2023
Capital Expenditures	\$ -0-	-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	\$ **	-0-	-0-	-0-	-0-
# ADDITIONAL FTE POSITIONS (Cumulative)					

Is Item Included in Current Budget? Yes No  
 Does this item include the use of federal funds? Yes No X

**Budget Account No:**

Fund Dept Unit Object

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

\*\* Fiscal impact is indeterminable at this time. These firms are authorized to provide services on a task order basis. Funding will be established by project as necessary.

C. Departmental Fiscal Review: Alii Kovalainen

**III. REVIEW COMMENTS**

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

Lisa R. Oka  
 KP AD OFMB  
 8/15 8/15

Dr. J. Anshun  
 Contract Dev. and Control  
 8/28/19 TW 8/28/19

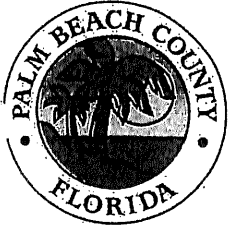
**B. Approved as to Form and Legal Sufficiency:**

J. B. Herman 8/29/19  
 Assistant County Attorney

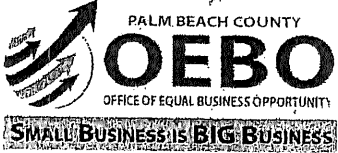
**C. Other Department Review:**

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

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



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



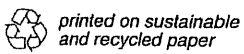
**Palm Beach County  
Board of County  
Commissioners**

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

**County Administrator**

Verdenia C. Baker

"An Equal Opportunity  
Affirmative Action Employer"



INTER-OFFICE MEMORANDUM

REVISED

Date: Tuesday, February 5, 2019

To: David Ricks, County Engineer  
Engineering and Public Works

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

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

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

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

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

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

Thank you.

cc: Allen Gray, Manager

Attachment

ANNUAL TRAFFIC SIGNAL CONTRACT					AVERAGE OF BID ITEMS FOR ALL BIDDERS	ENGINEERS ESTIMATE	GERELCO TRAFFIC CONTROLS, INC.		FERREIRA CONSTRUCTION SOUTHERN DIVISION CO., INC.	
PBC PROJECT #2019050							UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL
ITEM #	DESCRIPTION	QTY	UNIT	F,I,R						
<b>SIGNALIZATION ITEMS</b>										
102-1-A	GENERAL MAINTENANCE OF TRAFFIC	400	HR	F&I	\$ 157.50	\$ 90.00	\$ 140.00	\$ 56,000.00	\$ 175.00	\$ 70,000.00
102-1-B	MAINTENANCE OF TRAFFIC (SECURING SIGNAL POLE)	20	HR	F&I	\$ 167.50	\$ 145.00	\$ 160.00	\$ 3,200.00	\$ 175.00	\$ 3,500.00
102-1-C	MAINTENANCE OF TRAFFIC (UTILITY LOCATION, SOFT DIG UP TO 6 FEET)	40	HR	F&I	\$ 225.00	\$ 65.00	\$ 75.00	\$ 3,000.00	\$ 375.00	\$ 15,000.00
102-1-C1	MAINTENANCE OF TRAFFIC (UTILITY LOCATION, SOFT DIG UP TO 10 FEET )	41	HR	F&I	\$ 200.00	\$ 66.00	\$ 100.00	\$ 4,100.00	\$ 300.00	\$ 12,300.00
102-14	MAINTENANCE OF TRAFFIC (TRAFFIC CONTROL OFFICER)	40	HR	F&I	\$ 75.00	\$ 66.00	\$ 65.00	\$ 2,600.00	\$ 85.00	\$ 3,400.00
102-99	PORTABLE CHANGEABLE - VARIABLE MESSAGE SIGN (TEMPORARY)	10	ED	F&I	\$ 92.50	\$ 66.00	\$ 60.00	\$ 600.00	\$ 125.00	\$ 1,250.00
455-142	CROSSHOLE SONIC LOGGING/ DRILL SHAFT TESTING TESTING	4	EA	F&I	\$ 2,175.00	\$ 55.00	\$ 1,850.00	\$ 7,400.00	\$ 2,500.00	\$ 10,000.00
455-147-1	THERMAL INTEGRITY TESTING, UP TO 4' SHAFT DIAMETERS	4	EA	F	\$ 2,462.50	\$ 1,800.00	\$ 2,775.00	\$ 11,100.00	\$ 2,150.00	\$ 8,600.00
455-147-2	THERMAL INTEGRITY TESTING, 4.5' TO 6' SHAFT DIAMETERS	5	EA	F	\$ 2,825.00	\$ 1,800.00	\$ 3,400.00	\$ 17,000.00	\$ 2,250.00	\$ 11,250.00
522-1	CONCRETE SIDEWALK AND DRIVEWAYS 4" THICK	10	SY	F&I	\$ 97.50	\$ 1,900.00	\$ 95.00	\$ 950.00	\$ 100.00	\$ 1,000.00
522-2	CONCRETE SIDEWALK AND DRIVEWAYS 6" THICK	10	SY	F&I	\$ 125.00	\$ 85.00	\$ 125.00	\$ 1,250.00	\$ 125.00	\$ 1,250.00
620-1-1	GROUNDING ELECTRODE	10	EA	F&I	\$ 65.00	\$ 95.00	\$ 80.00	\$ 800.00	\$ 50.00	\$ 500.00
630-2-11-2	2" PVC (SCH 40) UNDERGROUND CONDUIT	1,000	LF	F&I	\$ 7.40	\$ 50.00	\$ 8.25	\$ 8,250.00	\$ 6.55	\$ 6,550.00
630-2-11-2A	ADDITIONAL 2" PVC (SCH 40) CONDUIT, IN OPEN TRENCH	1,000	LF	F&I	\$ 2.45	\$ 5.95	\$ 2.15	\$ 2,150.00	\$ 2.75	\$ 2,750.00
630-2-12-2-1	1-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE)	500	LF	F&I	\$ 13.33	\$ 2.25	\$ 13.65	\$ 6,825.00	\$ 13.00	\$ 6,500.00
630-2-12-2-2	2-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE)	1,000	LF	F&I	\$ 18.10	\$ 10.00	\$ 17.45	\$ 17,450.00	\$ 18.75	\$ 18,750.00
630-2-12-2-3	3-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE)	2,000	LF	F&I	\$ 23.05	\$ 14.25	\$ 21.25	\$ 42,500.00	\$ 24.85	\$ 49,700.00
630-2-12-2-4	4-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE)	2,000	LF	F&I	\$ 28.18	\$ 17.25	\$ 25.00	\$ 50,000.00	\$ 31.35	\$ 62,700.00
630-2-12-2-5	5-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE)	1,000	LF	F&I	\$ 34.03	\$ 20.80	\$ 28.80	\$ 28,800.00	\$ 39.25	\$ 39,250.00
630-2-14-1	1" RIGID CONDUIT HOT DIPPED GALVANIZED CONDUIT SURFACE MOUNTED	200	LF	F&I	\$ 10.81	\$ 30.50	\$ 9.12	\$ 1,824.00	\$ 12.50	\$ 2,500.00
630-2-14-2	2" RIGID CONDUIT HOT DIPPED GALVANIZED CONDUIT SURFACE MOUNTED	200	LF	F&I	\$ 13.80	\$ 9.00	\$ 12.10	\$ 2,420.00	\$ 15.50	\$ 3,100.00
630-3	RODDING AND CLEANING OUT EXISTING CONDUIT ANY TYPE	100	LF	F&I	\$ 2.63	\$ 11.35	\$ 3.25	\$ 325.00	\$ 2.00	\$ 200.00
632-7-1-19	SIGNAL CABLE - 19 CONDUCTOR	800	LF	F&I	\$ 4.78	\$ 1.50	\$ 3.25	\$ 2,600.00	\$ 6.30	\$ 5,040.00
632-7-1-19A	SIGNAL CABLE (SPAN LENGTH 0' - 250')	1	PI	F&I	\$ 2,213.00	\$ 3.85	\$ 1,690.00	\$ 1,690.00	\$ 2,736.00	\$ 2,736.00
632-7-1-19B	SIGNAL CABLE (SPAN LENGTH 251' - 350')	1	PI	F&I	\$ 2,674.00	\$ 1,650.00	\$ 1,938.00	\$ 1,938.00	\$ 3,410.00	\$ 3,410.00
632-7-1-19C	SIGNAL CABLE (SPAN LENGTH 351' - 450')	1	PI	F&I	\$ 3,415.00	\$ 1,960.00	\$ 2,250.00	\$ 2,250.00	\$ 4,580.00	\$ 4,580.00
632-7-1-19D	SIGNAL CABLE (SPAN LENGTH 451' - 550')	1	PI	F&I	\$ 4,131.50	\$ 2,430.00	\$ 3,013.00	\$ 3,013.00	\$ 5,250.00	\$ 5,250.00
632-7-1-19E	SIGNAL CABLE (SPAN LENGTH 551' - 650')	1	PI	F&I	\$ 4,717.50	\$ 2,865.00	\$ 3,510.00	\$ 3,510.00	\$ 5,925.00	\$ 5,925.00
632-7-1-19F	SIGNAL CABLE (SPAN LENGTH 651' - 750')	1	PI	F&I	\$ 6,295.00	\$ 3,535.00	\$ 5,500.00	\$ 5,500.00	\$ 7,090.00	\$ 7,090.00
632-7-1-19G	SIGNAL CABLE (SPAN LENGTH 751' - Greater)	1	PI	F&I	\$ 7,645.00	\$ 4,290.00	\$ 7,300.00	\$ 7,300.00	\$ 7,990.00	\$ 7,990.00
632-7-1-4	SIGNAL CABLE - 4 CONDUCTOR	600	LF	F&I	\$ 2.58	\$ 4,980.00	\$ 1.40	\$ 840.00	\$ 3.75	\$ 2,250.00
632-7-1-4A	PEDESTRIAN SIGNAL CABLE - 4 CONDUCTOR	10	PI	F&I	\$ 1,906.00	\$ 1.70	\$ 1,242.00	\$ 12,420.00	\$ 2,570.00	\$ 25,700.00
632-7-1-7	SIGNAL CABLE - 7 CONDUCTOR	600	LF	F&I	\$ 2.86	\$ 1,160.00	\$ 1.67	\$ 1,002.00	\$ 4.05	\$ 2,430.00
632-7-1-7A	PEDESTRIAN SIGNAL CABLE - 7 CONDUCTOR	10	PI	F&I	\$ 2,870.50	\$ 1.92	\$ 2,516.00	\$ 25,160.00	\$ 3,225.00	\$ 32,250.00
632-1-6	SIGNAL CABLE, REMOVE - IN INTERSECTION	3	PI	R	\$ 2,073.50	\$ 1,600.00	\$ 1,397.00	\$ 4,191.00	\$ 2,750.00	\$ 8,250.00
633-1-112-24	FIBER OPTIC CABLE, (FSM) 24-COUNT (AERIAL)	100	LF	F&I	\$ 2.45	\$ 1,100.00	\$ 2.59	\$ 259.00	\$ 2.31	\$ 231.00

ANNUAL TRAFFIC SIGNAL CONTRACT					AVERAGE OF BID ITEMS FOR ALL BIDDERS	ENGINEERS ESTIMATE	GERELCO TRAFFIC CONTROLS, INC.		FERREIRA CONSTRUCTION SOUTHERN DIVISION CO., INC.	
PBC PROJECT #2019050							UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL
ITEM #	DESCRIPTION	QTY	UNIT	F,I,R						
633-1-112-48	FIBER OPTIC CABLE, (FSM) 48-COUNT (AERIAL)	100	LF	F&I	\$ 2.63	\$ 3.70	\$ 2.78	\$ 278.00	\$ 2.48	\$ 248.00
633-1-122-24	FIBER OPTIC CABLE, (FSM) 24-COUNT (UNDERGROUND)	100	LF	F&I	\$ 2.34	\$ 3.90	\$ 2.47	\$ 247.00	\$ 2.20	\$ 220.00
633-1-122-48	FIBER OPTIC CABLE, (FSM) 48-COUNT (UNDERGROUND)	100	LF	F&I	\$ 2.51	\$ 1.80	\$ 2.65	\$ 265.00	\$ 2.37	\$ 237.00
634-4-153-1A	SPAN WIRE ASSEMBLY (3/8") (SPAN LENGTH 0' - 250')	1	PI	F&I	\$ 3,065.50	\$ 1.95	\$ 2,651.00	\$ 2,651.00	\$ 3,480.00	\$ 3,480.00
634-4-153-1B	SPAN WIRE ASSEMBLY (3/8") (SPAN LENGTH 251' - 350')	1	PI	F&I	\$ 3,235.00	\$ 2,700.00	\$ 2,850.00	\$ 2,850.00	\$ 3,620.00	\$ 3,620.00
634-4-153-1C	SPAN WIRE ASSEMBLY (3/8") (SPAN LENGTH 351' - 450')	1	PI	F&I	\$ 3,702.00	\$ 2,805.00	\$ 3,164.00	\$ 3,164.00	\$ 4,240.00	\$ 4,240.00
634-4-153-1D	SPAN WIRE ASSEMBLY (3/8") (SPAN LENGTH 451' - 550')	1	PI	F&I	\$ 3,934.50	\$ 3,290.00	\$ 3,479.00	\$ 3,479.00	\$ 4,390.00	\$ 4,390.00
634-4-153-1E	SPAN WIRE ASSEMBLY (3/8") (SPAN LENGTH 551' - 650')	2	PI	F&I	\$ 4,548.00	\$ 3,405.00	\$ 3,976.00	\$ 7,952.00	\$ 5,120.00	\$ 10,240.00
634-4-153-1F	SPAN WIRE ASSEMBLY (3/8") (SPAN LENGTH 651' - 750')	1	PI	F&I	\$ 4,700.00	\$ 3,975.00	\$ 4,240.00	\$ 4,240.00	\$ 5,160.00	\$ 5,160.00
634-4-153-2E	SPAN WIRE ASSEMBLY (7/16") (SPAN LENGTH: 551' - 650')	1	PI	F&I	\$ 7,527.00	\$ 4,005.00	\$ 4,504.00	\$ 4,504.00	\$ 10,550.00	\$ 10,550.00
634-4-153-2F	SPAN WIRE ASSEMBLY (7/16") (SPAN LENGTH 651' - 750')	1	PI	F&I	\$ 8,495.00	\$ 4,415.00	\$ 4,770.00	\$ 4,770.00	\$ 12,220.00	\$ 12,220.00
634-4-153-2G	SPAN WIRE ASSEMBLY (7/16") (SPAN LENGTH 751' - Greater)	1	PI	F&I	\$ 9,441.50	\$ 4,815.00	\$ 5,033.00	\$ 5,033.00	\$ 13,850.00	\$ 13,850.00
634-4-153-3F	SPAN WIRE ASSEMBLY (1/2") (SPAN LENGTH 651' - 750')	1	PI	F&I	\$ 9,252.00	\$ 5,450.00	\$ 4,504.00	\$ 4,504.00	\$ 14,000.00	\$ 14,000.00
634-4-153-3G	SPAN WIRE ASSEMBLY (1/2") (SPAN LENGTH 751' - Greater')	1	PI	F&I	\$ 10,016.50	\$ 4,800.00	\$ 5,033.00	\$ 5,033.00	\$ 15,000.00	\$ 15,000.00
634-4-153-5G	SPAN WIRE ASSEMBLY (3/4") (SPAN LENGTH 751' - Greater')	1	PI	F&I	\$ 10,815.00	\$ 4,985.00	\$ 5,630.00	\$ 5,630.00	\$ 16,000.00	\$ 16,000.00
634-5-1	FIBERGLASS INSULATOR (TO INSULATE POWER LINES)	100	LF	F&I	\$ 19.22	\$ 7,350.00	\$ 12.43	\$ 1,243.00	\$ 26.00	\$ 2,600.00
635-2-10	PULL BOX (11" x 18" x 12"D) HEAVY DUTY COVERS (TIER 15)	100	LF	F&I	\$ 557.50	\$ 20.00	\$ 365.00	\$ 36,500.00	\$ 750.00	\$ 75,000.00
635-2-11	PULL BOX (13" x 24" x 12"D) HEAVY DUTY COVERS (TIER 15)	100	LF	F&I	\$ 669.00	\$ 650.00	\$ 548.00	\$ 54,800.00	\$ 790.00	\$ 79,000.00
635-2-12	PULL BOX (24" x 36" x 12"D) HEAVY DUTY COVERS (TIER 15)	100	EA	F&I	\$ 933.00	\$ 690.00	\$ 796.00	\$ 79,600.00	\$ 1,070.00	\$ 107,000.00
635-2-12-A	PULL BOX (17" x 30" x 12"D) HEAVY DUTY COVERS (TIER 15)	100	EA	F&I	\$ 840.50	\$ 970.00	\$ 796.00	\$ 79,600.00	\$ 885.00	\$ 88,500.00
635-2-12-B	PULL BOX, (24"X36"X24"D) FIBERGLASS, HEAVY DUTY COVERS (TIER 15)	2	EA	F&I	\$ 1,234.00	\$ 785.00	\$ 1,308.00	\$ 2,616.00	\$ 1,160.00	\$ 2,320.00
635-2-12-C	PULL BOX (30" x 48" x 24"D) HEAVY DUTY SPLIT COVERS (ITS) (TIER 15)	10	EA	F&I	\$ 1,795.00	\$ 1,050.00	\$ 1,690.00	\$ 16,900.00	\$ 1,900.00	\$ 19,000.00
635-2-12-D	PULL BOX (17" x 30" x 24"D) HEAVY DUTY SPLIT COVERS (ITS) (TIER 15)	3	EA	F&I	\$ 1,183.50	\$ 1,700.00	\$ 1,192.00	\$ 3,576.00	\$ 1,175.00	\$ 3,525.00
639-1-111	ELECTRICAL POWER SERVICE WITH METER BASE (OVERHEAD) METER FURNISHED BY POWER COMPANY	2	AS	F&I	\$ 1,231.00	\$ 1,485.00	\$ 812.00	\$ 1,624.00	\$ 1,650.00	\$ 3,300.00
639-1-113	ELECTRICAL POWER SERVICE NO METER BASE (OVERHEAD)	2	AS	F&I	\$ 1,264.00	\$ 830.00	\$ 878.00	\$ 1,756.00	\$ 1,650.00	\$ 3,300.00
639-1-121	ELECTRICAL POWER SERVICE WITH METER BASE (UNDERGROUND) METER FURNISHED BY POWER COMPANY	10	AS	F&I	\$ 1,297.00	\$ 830.00	\$ 944.00	\$ 9,440.00	\$ 1,650.00	\$ 16,500.00
639-1-123	ELECTRICAL POWER SERVICE NO METER BASE (UNDERGROUND)	10	AS	F&I	\$ 1,251.50	\$ 845.00	\$ 878.00	\$ 8,780.00	\$ 1,625.00	\$ 16,250.00
639-1-610	REMOVE POWER SERVICE (OVERHEAD)	2	EA	R	\$ 291.50	\$ 845.00	\$ 233.00	\$ 466.00	\$ 350.00	\$ 700.00
639-1-620	REMOVE POWER SERVICE (UNDERGROUND)	2	EA	R	\$ 316.50	\$ 265.00	\$ 233.00	\$ 466.00	\$ 400.00	\$ 800.00
639-2-1-3	ELECTRICAL SERVICE WIRE (SIGLE PHASE 3-WIRE, TRIPLEX)	1,000	LF	F&I	\$ 3.26	\$ 265.00	\$ 2.56	\$ 2,560.00	\$ 3.95	\$ 3,950.00
639-2-1-2	ELECTRICAL SERVICE WIRE (SIGLE PHASE 2-WIRE, DUPLEX)	1,000	LF	F&I	\$ 2.74	\$ 3.75	\$ 2.23	\$ 2,230.00	\$ 3.25	\$ 3,250.00
639-3-11	ELECTRICAL SERVICE DISCONNECT (BREAKER BOX, SHEET T 6.2 OF PBC STANDARDS)	1	EA	F&I	\$ 449.00	\$ 2.50	\$ 398.00	\$ 398.00	\$ 500.00	\$ 500.00
639-3-60	ELECTRICAL SERVICE DISCONNECT, REMOVE	3	EA	R	\$ 200.00	\$ 500.00	\$ 150.00	\$ 450.00	\$ 250.00	\$ 750.00
641-1-1	GUYING CONCRETE STRAIN POLES (1-GUY WIRE PER POLE)	1	EA	F&I	\$ 639.00	\$ 175.00	\$ 878.00	\$ 878.00	\$ 400.00	\$ 400.00
641-1-2	GUYING CONCRETE STRAIN POLES (2-GUY WIRE PER POLE)	1	EA	F&I	\$ 954.00	\$ 305.00	\$ 1,258.00	\$ 1,258.00	\$ 650.00	\$ 650.00

ANNUAL TRAFFIC SIGNAL CONTRACT					AVERAGE OF BID ITEMS FOR ALL BIDDERS	ENGINEERS ESTIMATE	GERELCO TRAFFIC CONTROLS, INC.		FERREIRA CONSTRUCTION SOUTHERN DIVISION CO., INC.	
PBC PROJECT #2019050							UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL
ITEM #	DESCRIPTION	QTY	UNIT	F,I,R	UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
641-2-12-12	PRESTRESSED CONCRETE POLE (12' TYPE P-II )	10	EA	F&I	\$ 788.50	\$ 450.00	\$ 827.00	\$ 8,270.00	\$ 750.00	\$ 7,500.00
641-2-15-44	PRESTRESSED CONCRETE POLE (44' TYPE P-V)	4	EA	F&I	\$ 6,142.50	\$ 705.00	\$ 2,940.00	\$ 11,760.00	\$ 9,345.00	\$ 37,380.00
641-2-16-44	PRESTRESSED CONCRETE POLE (44' TYPE P-VI)	4	EA	F&I	\$ 6,841.00	\$ 5,900.00	\$ 4,257.00	\$ 17,028.00	\$ 9,425.00	\$ 37,700.00
641-2-16-46	PRESTRESSED CONCRETE POLE (46' TYPE P-VI)	4	EA	F&I	\$ 7,149.50	\$ 5,995.00	\$ 4,334.00	\$ 17,336.00	\$ 9,965.00	\$ 39,860.00
641-2-17-44	PRESTRESSED CONCRETE POLE (44' TYPE P-VII)	4	EA	F&I	\$ 8,512.50	\$ 6,165.00	\$ 6,890.00	\$ 27,560.00	\$ 10,135.00	\$ 40,540.00
641-2-17-46	PRESTRESSED CONCRETE POLE (46' TYPE P-VII)	4	EA	F&I	\$ 8,720.00	\$ 6,610.00	\$ 6,980.00	\$ 27,920.00	\$ 10,460.00	\$ 41,840.00
641-2-17-50	PRESTRESSED CONCRETE POLE (50' TYPE P-VII)	4	EA	F&I	\$ 9,078.50	\$ 6,820.00	\$ 7,162.00	\$ 28,648.00	\$ 10,995.00	\$ 43,980.00
641-2-17-60	PRESTRESSED CONCRETE POLE (60' TYPE P-VII)	2	EA	F&I	\$ 10,604.00	\$ 7,080.00	\$ 7,618.00	\$ 15,236.00	\$ 13,590.00	\$ 27,180.00
641-2-18-50	PRESTRESSED CONCRETE POLE (50' TYPE P-VIII)	1	EA	F&I	\$ 9,490.00	\$ 7,640.00	\$ 7,865.00	\$ 7,865.00	\$ 11,115.00	\$ 11,115.00
641-2-19-60	PRESTRESSED CONCRETE POLE (60' TYPE P-CUSTOM DESIGN)	2	EA	F&I	\$ 11,097.00	\$ 7,500.00	\$ 8,244.00	\$ 16,488.00	\$ 13,950.00	\$ 27,900.00
641-2-30A	PRESTRESSED CONCRETE POLE (INSTALL ONLY - V, VI, VII, OR VIII UP TO 10' DEEP)	2	EA	I	\$ 5,392.50	\$ 8,100.00	\$ 3,385.00	\$ 6,770.00	\$ 7,400.00	\$ 14,800.00
641-2-60	CONCRETE POLE REMOVAL - SHALLOW (INCLUDES POLE AND BURIED ATTACHMENTS TO A DEPTH OF 4 FEET BELOW EXISTING GRADE)	4	EA	R	\$ 4,566.50	\$ 3,360.00	\$ 2,508.00	\$ 10,032.00	\$ 6,625.00	\$ 26,500.00
641-2-70	CONCRETE POLE REMOVAL - SHALLOW (INCLUDES POLE AND BURIED ATTACHMENTS TO A DEPTH OF 4 FEET BELOW EXISTING GRADE)	4	EA	R	\$ 4,566.50	\$ 2,565.00	\$ 2,508.00	\$ 10,032.00	\$ 6,625.00	\$ 26,500.00
641-2-80	CONCRETE POLE REMOVAL - DEEP (INCLUDES POLE AND COMPLETE REMOVAL OF THE POLE FOUNDATIOND DEPTH OF UP TO 25 FEET)	4	EA	R	\$ 10,382.50	\$ 2,565.00	\$ 5,265.00	\$ 21,060.00	\$ 15,500.00	\$ 62,000.00
641-30B	ADDITIONAL DEPTH FOR CONCRETE POLE BURIAL DEEPER THAN 10 FEET	20	LF	F&I	\$ 372.00	\$ 15,000.00	\$ 494.00	\$ 9,880.00	\$ 250.00	\$ 5,000.00
643-1-1	GUIYING WOOD POLE (1-GUY WIRE PER POLE)	2	EA	F&I	\$ 440.50	\$ 200.00	\$ 481.00	\$ 962.00	\$ 400.00	\$ 800.00
643-1-2	GUIYING WOOD POLE (2-GUY WIRE PER POLE)	2	EA	F&I	\$ 806.50	\$ 305.00	\$ 963.00	\$ 1,926.00	\$ 650.00	\$ 1,300.00
643-150	WOOD STRAIN 50' POLE (BURRIED UP TO 10' DEEP) DIRECT BURIAL	2	EA	F&I	\$ 1,055.00	\$ 450.00	\$ 1,360.00	\$ 2,720.00	\$ 750.00	\$ 1,500.00
643-155	WOOD STRAIN 55' POLE (BURRIED UP TO 10' DEEP) DIRECT BURIAL	2	EA	F&I	\$ 1,170.50	\$ 500.00	\$ 1,491.00	\$ 2,982.00	\$ 850.00	\$ 1,700.00
643-300	WOOD STRAIN POLE ( INSTALL ONLY, BURRIED UP TO 10' DEEP ) DIRECT BURIAL	2	EA	I	\$ 624.50	\$ 500.00	\$ 699.00	\$ 1,398.00	\$ 550.00	\$ 1,100.00
643-600	REMOVE WOOD STRAIN POLE (COMPLETE)	4	EA	R	\$ 450.00	\$ 350.00	\$ 350.00	\$ 1,400.00	\$ 550.00	\$ 2,200.00
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL WITH TRANSFORMER BASE (8 FEET ABOVE GROUND)	40	EA	F&I	\$ 1,165.50	\$ 350.00	\$ 706.00	\$ 28,240.00	\$ 1,625.00	\$ 65,000.00
646-1-12	ALUMINUM SIGNALS POLE, PEDESTRIAN DETECTOR POST(5.5-FT ABOVE GROUND) WITH TRANSFORMER BASE	20	EA	F&I	\$ 1,095.50	\$ 770.00	\$ 596.00	\$ 11,920.00	\$ 1,595.00	\$ 31,900.00
646-1-12-A	ALUMINUM SIGNALS POLE, PEDESTRIAN DETECTOR POST(5.5-FT ABOVE GROUND) WITHOUT TRANSFORMER BASE	10	EA	F&I	\$ 599.50	\$ 750.00	\$ 559.00	\$ 5,590.00	\$ 640.00	\$ 6,400.00
649-22-1	MAST ARM ASSEMBLY, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 30' (A30/S-P1/S)	10	EA	F&I	\$ 19,159.50	\$ 655.00	\$ 19,334.00	\$ 193,340.00	\$ 18,985.00	\$ 189,850.00
649-22-1L	MAST ARM ASSEMBLY WITH STREET LIGHT, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 30' (A30/S-P1/S/L)	5	EA	F&I	\$ 22,863.00	\$ 24,500.00	\$ 22,856.00	\$ 114,280.00	\$ 22,870.00	\$ 114,350.00
649-22-3	MAST ARM ASSEMBLY, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 40' (A40/S-P2/S)	10	EA	F&I	\$ 21,673.50	\$ 26,750.00	\$ 21,712.00	\$ 217,120.00	\$ 21,635.00	\$ 216,350.00
649-22-3L	MAST ARM ASSEMBLY WITH STREET LIGHT, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 40' (A40/S-P2/S/L)	5	EA	F&I	\$ 25,320.50	\$ 25,650.00	\$ 25,346.00	\$ 126,730.00	\$ 25,295.00	\$ 126,475.00

ANNUAL TRAFFIC SIGNAL CONTRACT					AVERAGE OF BID ITEMS FOR ALL BIDDERS	ENGINEERS ESTIMATE	GERELCO TRAFFIC CONTROLS, INC.		FERREIRA CONSTRUCTION SOUTHERN DIVISION CO., INC.	
PBC PROJECT #2019050							UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL
ITEM #	DESCRIPTION	QTY	UNIT	F,I,R	UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
649-22-6	MAST ARM ASSEMBLY, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 50' (A50/S-P3/S)	10	EA	F&I	\$ 24,803.50	\$ 2,800.00	\$ 24,717.00	\$ 247,170.00	\$ 24,890.00	\$ 248,900.00
649-22-6L	MAST ARM ASSEMBLY WITH STREET LIGHT, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 50' (A50/S-P3/S/L)	5	EA	F&I	\$ 27,933.00	\$ 28,700.00	\$ 28,616.00	\$ 143,080.00	\$ 27,250.00	\$ 136,250.00
649-22-10	MAST ARM ASSEMBLY, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 60' (A60/S-P4/S)	10	EA	F&I	\$ 29,700.50	\$ 29,510.00	\$ 29,671.00	\$ 296,710.00	\$ 29,730.00	\$ 297,300.00
649-22-10-HD	MAST ARM ASSEMBLY, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 60' HEAVY DUTY (A60/S-P4/S-HD)	4	EA	F&I	\$ 32,073.00	\$ 29,840.00	\$ 32,771.00	\$ 131,084.00	\$ 31,375.00	\$ 125,500.00
649-22-10L	MAST ARM ASSEMBLY WITH STREET LIGHT, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 60' (A60/S-P4/S/L)	5	EA	F&I	\$ 33,854.50	\$ 31,255.00	\$ 33,834.00	\$ 169,170.00	\$ 33,875.00	\$ 169,375.00
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)	2	EA	F&I	\$ 34,205.00	\$ 35,943.00	\$ 34,170.00	\$ 68,340.00	\$ 34,240.00	\$ 68,480.00
649-22-15	MAST ARM ASSEMBLY, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 70' (A70/S-P5/S)	4	EA	F&I	\$ 33,158.50	\$ 31,400.00	\$ 32,842.00	\$ 131,368.00	\$ 33,475.00	\$ 133,900.00
649-22-15-HD	MAST ARM ASSEMBLY, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 70' HEAVY DUTY (A70/S-P5/S-HD)	4	EA	F&I	\$ 35,778.50	\$ 36,110.00	\$ 36,327.00	\$ 145,308.00	\$ 35,230.00	\$ 140,920.00
649-22-15L	MAST ARM ASSEMBLY WITH STREET LIGHT, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 70' (A70/S-P5/S/L)	5	EA	F&I	\$ 37,375.00	\$ 37,300.00	\$ 37,235.00	\$ 186,175.00	\$ 37,515.00	\$ 187,575.00
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)	5	EA	F&I	\$ 38,045.00	\$ 42,895.00	\$ 37,820.00	\$ 189,100.00	\$ 38,270.00	\$ 191,350.00
649-22-21	MAST ARM ASSEMBLY, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 78' (A78/S-P6/S)	4	EA	F&I	\$ 37,811.00	\$ 33,250.00	\$ 37,557.00	\$ 150,228.00	\$ 38,065.00	\$ 152,260.00
649-22-21-HD	MAST ARM ASSEMBLY, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 78' HEAVY DUTY (A78/S-P6/S-HD)	4	EA	F&I	\$ 41,106.00	\$ 38,237.00	\$ 42,212.00	\$ 168,848.00	\$ 40,000.00	\$ 160,000.00
649-22-21L	MAST ARM ASSEMBLY WITH STREET LIGHT, FURNISH AND INSTALL ON EXISTING FOUNDATION, SINGLE ARM 78' (A78/S-P6/S/L)	5	EA	F&I	\$ 42,530.00	\$ 34,781.00	\$ 42,460.00	\$ 212,300.00	\$ 42,600.00	\$ 213,000.00
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)	2	EA	F&I	\$ 45,421.00	\$ 39,998.00	\$ 45,657.00	\$ 91,314.00	\$ 45,185.00	\$ 90,370.00
649-2-12-40	DRILLED SHAFT FOUNDATION ASSEMBLY, 12' DEEP AND 4.0' DIAMETER, FURNISH AND INSTALL (DS/12/4.0)	10	EA	F&I	\$ 10,017.50	\$ 2,700.00	\$ 9,985.00	\$ 99,850.00	\$ 10,050.00	\$ 100,500.00
649-2-12-40-AD	ADDITIONAL DEPTH FOR DRILLED SHAFT FOUNDATION ASSEMBLY, 12' DEEP AND 4.0' DIAMETER, FURNISH AND INSTALL (DS/12/4.0)	5	LF	F&I	\$ 723.00	\$ 645.00	\$ 596.00	\$ 2,980.00	\$ 850.00	\$ 4,250.00
649-2-12-45	DRILLED SHAFT FOUNDATION ASSEMBLY, 12' DEEP AND 4.5' DIAMETER, FURNISH AND INSTALL (DS/12/4.5)	10	EA	F&I	\$ 10,512.00	\$ 2,795.00	\$ 10,304.00	\$ 103,040.00	\$ 10,720.00	\$ 107,200.00
649-2-12-45-AD	ADDITIONAL DEPTH FOR DRILLED SHAFT FOUNDATION ASSEMBLY, 12' DEEP AND 4.5' DIAMETER, FURNISH AND INSTALL (DS/12/4.5)	5	LF	F&I	\$ 737.50	\$ 695.00	\$ 625.00	\$ 3,125.00	\$ 850.00	\$ 4,250.00
649-2-14-45	DRILLED SHAFT FOUNDATION ASSEMBLY, 14' DEEP AND 4.5' DIAMETER, FURNISH AND INSTALL (DS/14/4.5)	10	EA	F&I	\$ 11,226.50	\$ 2,875.00	\$ 11,228.00	\$ 112,280.00	\$ 11,225.00	\$ 112,250.00
649-2-14-45-AD	ADDITIONAL DEPTH FOR DRILLED SHAFT FOUNDATION ASSEMBLY, 14' DEEP AND 4.5' DIAMETER, FURNISH AND INSTALL (DS/14/4.5)	5	LF	F&I	\$ 732.00	\$ 705.00	\$ 614.00	\$ 3,070.00	\$ 850.00	\$ 4,250.00
649-2-14-50	DRILLED SHAFT FOUNDATION ASSEMBLY, 14' DEEP AND 5.0' DIAMETER, FURNISH AND INSTALL (DS/14/5.0)	10	EA	F&I	\$ 11,933.50	\$ 2,955.00	\$ 11,817.00	\$ 118,170.00	\$ 12,050.00	\$ 120,500.00
649-2-14-50-AD	ADDITIONAL DEPTH FOR DRILLED SHAFT FOUNDATION ASSEMBLY, 14' DEEP AND 5.0' DIAMETER, FURNISH AND INSTALL (DS/14/5.0)	5	LF	F&I	\$ 753.00	\$ 765.00	\$ 656.00	\$ 3,280.00	\$ 850.00	\$ 4,250.00

ANNUAL TRAFFIC SIGNAL CONTRACT					AVERAGE OF BID ITEMS FOR ALL BIDDERS	ENGINEERS ESTIMATE	GERELCO TRAFFIC CONTROLS, INC.		FERREIRA CONSTRUCTION SOUTHERN DIVISION CO., INC.	
PBC PROJECT #2019050							UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL
ITEM #	DESCRIPTION	QTY	UNIT	F,I,R						
649-2-16-45	DRILLED SHAFT FOUNDATION ASSEMBLY, 16' DEEP AND 4.5' DIAMETER, FURNISH AND INSTALL (DS/16/4.5)	10	EA	F&I	\$ 11,930.50	\$ 3,155.00	\$ 11,971.00	\$ 119,710.00	\$ 11,890.00	\$ 118,900.00
649-2-16-45-AD	ADDITIONAL DEPTH FOR DRILLED SHAFT FOUNDATION ASSEMBLY, 16' DEEP AND 4.5' DIAMETER, FURNISH AND INSTALL (DS/16/4.5)	5	LF	F&I	\$ 731.50	\$ 715.00	\$ 613.00	\$ 3,065.00	\$ 850.00	\$ 4,250.00
649-2-16-50	DRILLED SHAFT FOUNDATION ASSEMBLY, 16' DEEP AND 5.0' DIAMETER, FURNISH AND INSTALL (DS/16/5.0)	10	EA	F&I	\$ 12,694.00	\$ 3,210.00	\$ 12,638.00	\$ 126,380.00	\$ 12,750.00	\$ 127,500.00
649-2-16-50-AD	ADDITIONAL DEPTH FOR DRILLED SHAFT FOUNDATION ASSEMBLY, 16' DEEP AND 5.0' DIAMETER, FURNISH AND INSTALL (DS/16/5.0)	5	LF	F&I	\$ 832.00	\$ 725.00	\$ 764.00	\$ 3,820.00	\$ 900.00	\$ 4,500.00
649-2-18-50	DRILLED SHAFT FOUNDATION ASSEMBLY, 18' DEEP AND 5.0' DIAMETER, FURNISH AND INSTALL (DS/18/5.0)	10	EA	F&I	\$ 13,396.50	\$ 3,315.00	\$ 13,348.00	\$ 133,480.00	\$ 13,445.00	\$ 134,450.00
649-2-18-50-AD	ADDITIONAL DEPTH FOR DRILLED SHAFT FOUNDATION ASSEMBLY, 18' DEEP AND 5.0' DIAMETER, FURNISH AND INSTALL (DS/18/5.0)	5	LF	F&I	\$ 830.50	\$ 735.00	\$ 761.00	\$ 3,805.00	\$ 900.00	\$ 4,500.00
649-2-20-50	DRILLED SHAFT FOUNDATION ASSEMBLY, 20' DEEP AND 5.0' DIAMETER, FURNISH AND INSTALL (DS/20/5.0)	10	EA	F&I	\$ 14,742.50	\$ 3,478.00	\$ 15,260.00	\$ 152,600.00	\$ 14,225.00	\$ 142,250.00
649-2-20-50-AD	ADDITIONAL DEPTH FOR RILLED SHAFT FOUNDATION ASSEMBLY, 20' DEEP AND 5.0' DIAMETER, FURNISH AND INSTALL (DS/20/5.0)	5	LF	F&I	\$ 828.50	\$ 755.00	\$ 757.00	\$ 3,785.00	\$ 900.00	\$ 4,500.00
649-2-RA-11	FURNISH AND INSTALL ADDITIONAL WEIGHT OF REBAR FOR FOR NON-STANDARD DRILL SHAFT FOUNDATION AS DIRECTED BY THE ENGINEER	50	LBS	F&I	\$ 2.78	\$ 755.00	\$ 5.00	\$ 250.00	\$ 0.55	\$ 27.50
649-23-11	STEEL MAST ARM ASSEMBLY, INSTALL TO EXISTING FOUNDATION	1	EA	I	\$ 2,435.00	\$ 41,000.00	\$ 2,095.00	\$ 2,095.00	\$ 2,775.00	\$ 2,775.00
649-23-21	STEEL MAST ARM ASSEMBLY, RELOCATE TO EXISTING FOUNDATION	1	EA	R&I	\$ 3,552.00	\$ 6,500.00	\$ 2,328.00	\$ 2,328.00	\$ 4,776.00	\$ 4,776.00
649-25-03	STEEL MAST ARM ASSEMBLY, REPLACE ARM ON EXISTING POLE, 40'	1	EA	R&I	\$ 7,338.00	\$ 2,100.00	\$ 1,301.00	\$ 1,301.00	\$ 13,375.00	\$ 13,375.00
649-25-06	STEEL MAST ARM ASSEMBLY, REPLACE ARM ON EXISTING POLE, 50'	1	EA	R&I	\$ 8,750.00	\$ 2,150.00	\$ 2,000.00	\$ 2,000.00	\$ 15,500.00	\$ 15,500.00
649-25-10	STEEL MAST ARM ASSEMBLY, REPLACE ARM ON EXISTING POLE, 60'	1	EA	R&I	\$ 9,625.00	\$ 2,200.00	\$ 2,250.00	\$ 2,250.00	\$ 17,000.00	\$ 17,000.00
649-25-15	STEEL MAST ARM ASSEMBLY, REPLACE ARM ON EXISTING POLE, 70'	1	EA	R&I	\$ 11,000.00	\$ 2,250.00	\$ 2,500.00	\$ 2,500.00	\$ 19,500.00	\$ 19,500.00
649-25-21	STEEL MAST ARM ASSEMBLY, REPLACE ARM ON EXISTING POLE, 78'	1	EA	R&I	\$ 12,500.00	\$ 2,300.00	\$ 2,500.00	\$ 2,500.00	\$ 22,500.00	\$ 22,500.00
649-26-01	STEEL MAST ARM ASSEMBLY, REMOVE, POLE ONLY-ENTIRE FOUNDATION REMAINS	1	EA	R	\$ 2,694.00	\$ 1,750.00	\$ 1,398.00	\$ 1,398.00	\$ 3,990.00	\$ 3,990.00
649-26-03	STEEL MAST ARM ASSEMBLY, REMOVE, SHALLOW FOUNDATION-BOLT ON ATTACHMENT	1	EA	R	\$ 4,989.00	\$ 2,050.00	\$ 2,328.00	\$ 2,328.00	\$ 7,650.00	\$ 7,650.00
649-26-05	STEEL MAST ARM ASSEMBLY, REMOVE, DEEP FOUNDATION-BOLT ON ATTACHMENT	1	EA	R	\$ 11,750.00	\$ 2,500.00	\$ 8,500.00	\$ 8,500.00	\$ 15,000.00	\$ 15,000.00
649-26-07	STEEL MAST ARM ASSEMBLY, REMOVE, ARM AND ATTACHMENTS; POLE REMAINS	1	EA	R	\$ 1,960.50	\$ 950.00	\$ 931.00	\$ 931.00	\$ 2,990.00	\$ 2,990.00
649-28-02	PAINTING NEW MAST ARM ASSEMBLY, MANUFACTURER APPLIED POWDER COATING	1	EA	F&I	\$ 5,000.00	\$ 650.00	\$ 4,000.00	\$ 4,000.00	\$ 6,000.00	\$ 6,000.00
649-40-000-A	MAST ARM REPAIR (SHORTEN AND CAP UPRIGHT)	1	EA	F&I	\$ 1,247.50	\$ 450.00	\$ 1,595.00	\$ 1,595.00	\$ 900.00	\$ 900.00
649-40-000-B	MAST ARM REPAIR (SHORTEN AND CAP ARM)	1	EA	F&I	\$ 981.50	\$ 450.00	\$ 1,063.00	\$ 1,063.00	\$ 900.00	\$ 900.00
649-40-000-C	RAISE MAST ARM FOUNDATION (RAISE FOUNDATION)	1	EA	F&I	\$ 4,654.50	\$ 1,500.00	\$ 4,309.00	\$ 4,309.00	\$ 5,000.00	\$ 5,000.00
649-40-000-D	MAST ARM NUT COVER	2	EA	F&I	\$ 225.00	\$ 75.00	\$ 250.00	\$ 500.00	\$ 200.00	\$ 400.00
649-40-000-E	ADDITIONAL DEPTH FOR MAST ARM ASSEMBLY FOUNDATION (WHEN SPECIFIED BY ENGINEER)	2	LF	F&I	\$ 1,222.50	\$ 900.00	\$ 945.00	\$ 1,890.00	\$ 1,500.00	\$ 3,000.00



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PBC PROJECT #2019050							UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL
ITEM #	DESCRIPTION	QTY	UNIT	F,I,R	UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
649-40-000-F	REPAIR EXISTING DAMAGED MAST ARM FOUNDATION	1	EA	F&I	\$ 4,189.00	\$ 3,000.00	\$ 3,378.00	\$ 3,378.00	\$ 5,000.00	\$ 5,000.00
649-40-000-L	MAST ARM TERMINAL/ HAND HOLE COVER	2	EA	F&I	\$ 266.00	\$ 133.00	\$ 282.00	\$ 564.00	\$ 250.00	\$ 500.00
649-40-000-M	PROVIDE TELESCOPIC LIFT FOR MAST ARM INSTALLATION (PER INTERSECTION PROJECT)	2	EA	F&I	\$ 2,275.00	\$ 3,001.00	\$ 1,550.00	\$ 3,100.00	\$ 3,000.00	\$ 6,000.00
649-40-2	STEEL MAST ARM ASSEMBLY, REPLACE HAND HOLE COVER ON EXISTING POLE	2	EA	R&I	\$ 250.00	\$ 275.00	\$ 250.00	\$ 500.00	\$ 250.00	\$ 500.00
649-40-3	STEEL MAST ARM ASSEMBLY, REPLACE POLE CAP ON EXISTING POLE	2	EA	R&I	\$ 377.50	\$ 321.00	\$ 405.00	\$ 810.00	\$ 350.00	\$ 700.00
650-1-13	TRAFFIC SIGNAL HEAD ALUMINUM (3-SECTION, 1-WAY) INCLUDES BACKPLATES	100	AS	F&I	\$ 954.50	\$ 795.00	\$ 854.00	\$ 85,400.00	\$ 1,055.00	\$ 105,500.00
650-1-14	TRAFFIC SIGNAL HEAD ALUMINUM (4-SECTION, 1-WAY) INCLUDES BACKPLATES	10	AS	F&I	\$ 1,145.00	\$ 925.00	\$ 1,012.00	\$ 10,120.00	\$ 1,278.00	\$ 12,780.00
650-1-15	TRAFFIC SIGNAL HEAD ALUMINUM (5-SECTION, 1-WAY) INCLUDES BACKPLATES	40	AS	F&I	\$ 1,524.50	\$ 1,480.00	\$ 1,460.00	\$ 58,400.00	\$ 1,589.00	\$ 63,560.00
650-1-16	TRAFFIC SIGNAL HEAD ALUMINUM (3-SECTION, 2-WAY) INCLUDES BACKPLATES	10	AS	F&I	\$ 1,422.50	\$ 1,500.00	\$ 1,610.00	\$ 16,100.00	\$ 1,235.00	\$ 12,350.00
650-1-24	TRAFFIC SIGNAL HEAD POLYCARBONATE WITH ALUMINUM TOP SECTION (4-SECTION, 1-WAY) INCLUDES BACKPLATES	2	AS	F&I	\$ 1,138.00	\$ 1,190.00	\$ 1,012.00	\$ 2,024.00	\$ 1,264.00	\$ 2,528.00
650-1-25	TRAFFIC SIGNAL HEAD POLYCARBONATE WITH ALUMINUM TOP SECTION (5-SECTION, 1-WAY) INCLUDES BACKPLATES	10	AS	F&I	\$ 2,036.50	\$ 1,600.00	\$ 2,500.00	\$ 25,000.00	\$ 1,573.00	\$ 15,730.00
650-1-33	TRAFFIC SIGNAL HEAD POLYCARBONATE (3-SECTION, 1-WAY) INCLUDES BACKPLATES	10	AS	F&I	\$ 905.50	\$ 1,000.00	\$ 756.00	\$ 7,560.00	\$ 1,055.00	\$ 10,550.00
650-1-53	TRAFFIC SIGNAL HEAD (3-SECTION, 1-WAY) INSTALL ONLY	1	AS	I	\$ 441.50	\$ 190.00	\$ 233.00	\$ 233.00	\$ 650.00	\$ 650.00
650-1-54	TRAFFIC SIGNAL HEAD ALUMINUM (4-SECTION, 1-WAY) INSTALL ONLY	4	AS	I	\$ 441.50	\$ 275.00	\$ 233.00	\$ 932.00	\$ 650.00	\$ 2,600.00
650-1-55	TRAFFIC SIGNAL HEAD (5-SECTION, 1-WAY) INSTALL ONLY	1	AS	I	\$ 558.00	\$ 250.00	\$ 466.00	\$ 466.00	\$ 650.00	\$ 650.00
650-1-60	TRAFFIC SIGNAL HEAD ASSEMBLY, REMOVAL	20	EA	R	\$ 91.00	\$ 45.00	\$ 87.00	\$ 1,740.00	\$ 95.00	\$ 1,900.00
653-191	PEDESTRIAN SIGNAL - COUNT DOWN (1-WAY) ALUMINUM	40	EA	F&I	\$ 677.00	\$ 665.00	\$ 604.00	\$ 24,160.00	\$ 750.00	\$ 30,000.00
653-192	PEDESTRIAN SIGNAL - COUNT DOWN (2-WAY) ALUMINUM	40	EA	F&I	\$ 1,199.00	\$ 1,125.00	\$ 1,148.00	\$ 45,920.00	\$ 1,250.00	\$ 50,000.00
653-1-60	PEDESTRIAN SIGNAL, REMOVE PED SIGNAL	20	EA	R	\$ 162.00	\$ 455.00	\$ 174.00	\$ 3,480.00	\$ 150.00	\$ 3,000.00
654-2-11	RECTANGULAR RAPID FLASHING BEACON, AC POWERED, SINGLE DIRECTION	2	AS	F&I	\$ 7,065.00	\$ 3,570.00	\$ 5,030.00	\$ 10,060.00	\$ 9,100.00	\$ 18,200.00
654-2-12	RECTANGULAR RAPID FLASHING BEACON, AC POWERED, BACK TO BACK	2	AS	F&I	\$ 8,404.00	\$ 6,750.00	\$ 5,558.00	\$ 11,116.00	\$ 11,250.00	\$ 22,500.00
654-2-21	RECTANGULAR RAPID FLASHING BEACON, SOLAR POWERED, SINGLE DIRECTION	2	AS	F&I	\$ 6,620.00	\$ 5,125.00	\$ 5,690.00	\$ 11,380.00	\$ 7,550.00	\$ 15,100.00
654-2-22	RECTANGULAR RAPID FLASHING BEACON, SOLAR POWERED, BACK TO BACK	3	AS	F&I	\$ 7,670.00	\$ 9,425.00	\$ 6,390.00	\$ 19,170.00	\$ 8,950.00	\$ 26,850.00
654-2-60	RECTANGULAR RAPID FLASHING BEACON, REMOVE COMPLETE SIGN ASSEMBLY	3	AS	R	\$ 965.50	\$ 1,005.00	\$ 931.00	\$ 2,793.00	\$ 1,000.00	\$ 3,000.00
660-2-102	LOOP ASSEMBLY 6'x6' ( TYPE B ).	20	EA	F&I	\$ 609.50	\$ 745.00	\$ 494.00	\$ 9,880.00	\$ 725.00	\$ 14,500.00
660-2-106-A	LOOP ASSEMBLY ( TYPE F - 26' ).	20	EA	F&I	\$ 875.00	\$ 760.00	\$ 925.00	\$ 18,500.00	\$ 825.00	\$ 16,500.00
660-2-106-B	LOOP ASSEMBLY ( TYPE F - 46' ).	20	EA	F&I	\$ 1,212.50	\$ 850.00	\$ 1,500.00	\$ 30,000.00	\$ 925.00	\$ 18,500.00

ANNUAL TRAFFIC SIGNAL CONTRACT					AVERAGE OF BID ITEMS FOR ALL BIDDERS	ENGINEERS ESTIMATE	GERELCO TRAFFIC CONTROLS, INC.		FERREIRA CONSTRUCTION SOUTHERN DIVISION CO., INC.	
PBC PROJECT #2019050							UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL
ITEM #	DESCRIPTION	QTY	UNIT	F,I,R	UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
660-3-10	MICROWAVE VEHICLE DETECTION SYSTEM	1	EA	F&I	\$ 1,441.00	\$ 1,345.00	\$ 1,382.00	\$ 1,382.00	\$ 1,500.00	\$ 1,500.00
660-3-60	VEHICLE DETECTION SYSTEM-MICROWAVE, REMOVE	1	EA	R	\$ 949.50	\$ 1,345.00	\$ 699.00	\$ 699.00	\$ 1,200.00	\$ 1,200.00
660-4-10-A1	VIDEO IMAGE DETECTION 1 - CAMERA SYSTEM (AUTOSCOPE) COMPLETE.	1	EA	F&I	\$ 10,064.50	\$ 9,800.00	\$ 7,939.00	\$ 7,939.00	\$ 12,190.00	\$ 12,190.00
660-4-10-A3	VIDEO IMAGE DETECTION 3 - CAMERA SYSTEM (AUTOSCOPE) COMPLETE.	1	EA	F&I	\$ 20,656.00	\$ 21,550.00	\$ 17,714.00	\$ 17,714.00	\$ 23,598.00	\$ 23,598.00
660-4-10-A4	VIDEO IMAGE DETECTION 4 - CAMERA SYSTEM (AUTOSCOPE) COMPLETE.	1	EA	F&I	\$ 25,815.00	\$ 27,815.00	\$ 22,143.00	\$ 22,143.00	\$ 29,487.00	\$ 29,487.00
660-4-10-B1	VIDEO IMAGE DETECTION 1 - CAMERA SYSTEM (ITERIS) COMPLETE.	1	EA	F&I	\$ 10,270.50	\$ 8,250.00	\$ 8,351.00	\$ 8,351.00	\$ 12,190.00	\$ 12,190.00
660-4-10-B3	VIDEO IMAGE DETECTION 3 - CAMERA SYSTEM (ITERIS) COMPLETE.	1	EA	F&I	\$ 20,889.00	\$ 15,695.00	\$ 18,180.00	\$ 18,180.00	\$ 23,598.00	\$ 23,598.00
660-4-10-B4	VIDEO IMAGE DETECTION 4 - CAMERA SYSTEM (ITERIS) COMPLETE.	1	EA	F&I	\$ 29,699.50	\$ 27,825.00	\$ 29,912.00	\$ 29,912.00	\$ 29,487.00	\$ 29,487.00
660-4-30-A1	VIDEO IMAGE DETECTION 1 - CAMERA SYSTEM (AUTOSCOPE)	1	EA	I	\$ 881.50	\$ 870.00	\$ 563.00	\$ 563.00	\$ 1,200.00	\$ 1,200.00
660-4-30-A3	VIDEO IMAGE DETECTION 3 - CAMERA SYSTEM (AUTOSCOPE)	1	EA	I	\$ 2,206.00	\$ 2,610.00	\$ 812.00	\$ 812.00	\$ 3,600.00	\$ 3,600.00
660-4-30-A4	VIDEO IMAGE DETECTION 4 - CAMERA SYSTEM (AUTOSCOPE)	1	EA	I	\$ 2,844.00	\$ 3,480.00	\$ 1,258.00	\$ 1,258.00	\$ 4,430.00	\$ 4,430.00
660-4-30-B1	VIDEO IMAGE DETECTION 1 - CAMERA SYSTEM (ITERIS)	5	EA	I	\$ 1,100.00	\$ 870.00	\$ 1,000.00	\$ 5,000.00	\$ 1,200.00	\$ 6,000.00
660-4-30-B3	VIDEO IMAGE DETECTION 3 - CAMERA SYSTEM (ITERIS)	2	EA	I	\$ 3,300.00	\$ 2,610.00	\$ 3,000.00	\$ 6,000.00	\$ 3,600.00	\$ 7,200.00
660-4-30-B4	VIDEO IMAGE DETECTION 4 - CAMERA SYSTEM (ITERIS)	8	EA	I	\$ 4,215.00	\$ 3,480.00	\$ 4,000.00	\$ 32,000.00	\$ 4,430.00	\$ 35,440.00
660-4-60	VEHICLE DETECTION SYSTEM-VIDEO, REMOVE	4	EA	R	\$ 774.50	\$ 1,054.00	\$ 349.00	\$ 1,396.00	\$ 1,200.00	\$ 4,800.00
660-5-11	WIRELESS MAGNETOMETER VEHICLE DETECTOR ASSEMBLY -CABINET EQUIPMENT - CABINET INTERFACE HARDWARE	2	AS	F&I	\$ 4,817.00	\$ 2,950.00	\$ 5,645.00	\$ 11,290.00	\$ 3,989.00	\$ 7,978.00
660-5-12-A	WIRELESS MAGNETOMETER VEHICLE DETECTOR ASSEMBLY -ABOVE GROUND EQUIPMENT - ACCESS POINT	2	AS	F&I	\$ 1,746.00	\$ 850.00	\$ 2,089.00	\$ 4,178.00	\$ 1,403.00	\$ 2,806.00
660-5-12-B	WIRELESS MAGNETOMETER VEHICLE DETECTOR ASSEMBLY -ABOVE GROUND EQUIPMENT - REPEATER	2	AS	F&I	\$ 1,873.00	\$ 700.00	\$ 2,230.00	\$ 4,460.00	\$ 1,516.00	\$ 3,032.00
660-5-13	WIRELESS MAGNETOMETER VEHICLE DETECTOR ASSEMBLY -IN-ROAD ELECTRONICS - WIRELESS MAGNETOMETER	10	EA	F&I	\$ 784.00	\$ 875.00	\$ 1,024.00	\$ 10,240.00	\$ 544.00	\$ 5,440.00
660-6-121	VEHICLE DETECTION SYSTEM - AVI BLUETOOTH- CABINET PROCESSING EQUIPMENT	2	AS	F&I	\$ 1,078.00	\$ 6,500.00	\$ 1,141.00	\$ 2,282.00	\$ 1,015.00	\$ 2,030.00
660-6-122	VEHICLE DETECTION SYSTEM - AVI BLUETOOTH- ABOVE GROUND EQUIPMENT - ANTENNAS	2	AS	F&I	\$ 9,191.00	\$ 7,500.00	\$ 9,722.00	\$ 19,444.00	\$ 8,660.00	\$ 17,320.00
665-1-11	PEDESTRIAN DETECTOR (PUSH BUTTON)	80	EA	F&I	\$ 150.00	\$ 115.00	\$ 125.00	\$ 10,000.00	\$ 175.00	\$ 14,000.00
665-1-12-A	PEDESTRIAN DETECTOR- ACCESSIBLE- CABINET EQUIPMENT - CABINET INTERFACE HARDWARE	2	EA	F&I	\$ 3,501.50	\$ 1,500.00	\$ 3,253.00	\$ 6,506.00	\$ 3,750.00	\$ 7,500.00
665-1-12-B	PEDESTRIAN DETECTOR ASSEMBLY- ACCESSIBLE ONE-CROSSING (2-PUSH BUTTON ASSEMBLIES PER CROSSING) PUSH BUTTON ONLY	16	EA	F&I	\$ 1,490.50	\$ 2,385.00	\$ 1,231.00	\$ 19,696.00	\$ 1,750.00	\$ 28,000.00
670-5-110-A	TRAFFIC CONTROLLER ASSEMBLY (TYPE 5) AS PER NAZTEC	1	AS	F&I	\$ 27,286.00	\$ 21,650.00	\$ 23,777.00	\$ 23,777.00	\$ 30,795.00	\$ 30,795.00
670-5-110-B	TRAFFIC CONTROLLER ASSEMBLY (TYPE 6) AS PER NAZTEC	1	AS	F&I	\$ 27,692.50	\$ 23,095.00	\$ 24,010.00	\$ 24,010.00	\$ 31,375.00	\$ 31,375.00
670-5-310	TRAFFIC CONTROLLER ASSEMBLY (TYPE 5 - INSTALL ONLY)	5	AS	I	\$ 3,628.50	\$ 1,725.00	\$ 2,457.00	\$ 12,285.00	\$ 4,800.00	\$ 24,000.00
670-5-310-A	TRAFFIC CONTROLLER ASSEMBLY (TYPE 6 - INSTALL ONLY)	5	AS	I	\$ 4,500.00	\$ 1,725.00	\$ 4,200.00	\$ 21,000.00	\$ 4,800.00	\$ 24,000.00
670-5-600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	5	AS	I	\$ 1,023.50	\$ 1,725.00	\$ 1,397.00	\$ 6,985.00	\$ 650.00	\$ 3,250.00
682-1-13	ITS CCTV CAMERA, DOME ENCLOSURE NON-PRESSURIZED	1	EA	F&I	\$ 6,962.00	\$ 6,545.00	\$ 7,364.00	\$ 7,364.00	\$ 6,560.00	\$ 6,560.00
682-1-33	ITS CCTV CAMERA, DOME ENCLOSURE NON-PRESSURIZED (INSTALL ONLY)	1	EA	I	\$ 1,684.50	\$ 2,820.00	\$ 1,784.00	\$ 1,784.00	\$ 1,585.00	\$ 1,585.00

ANNUAL TRAFFIC SIGNAL CONTRACT					AVERAGE OF BID ITEMS FOR ALL BIDDERS	ENGINEERS ESTIMATE	GERELCO TRAFFIC CONTROLS, INC.		FERREIRA CONSTRUCTION SOUTHERN DIVISION CO., INC.	
PBC PROJECT #2019050							UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL
ITEM #	DESCRIPTION	QTY	UNIT	F,I,R						
690-100	REMOVE MISCELLANEOUS SIGNAL EQUIPMENT	40	HR	R	\$ 181.50	\$ 90.00	\$ 233.00	\$ 9,320.00	\$ 130.00	\$ 5,200.00
690-15	REMOVE INTERNALLY ILLUMINATED SIGN	4	EA	R	\$ 212.50	\$ 90.00	\$ 175.00	\$ 700.00	\$ 250.00	\$ 1,000.00
690-20	SIGNAL PEDESTRIAN HEAD ASSEMBLY, REMOVAL	40	EA	R	\$ 69.50	\$ 45.00	\$ 44.00	\$ 1,760.00	\$ 95.00	\$ 3,800.00
690-31-1	SIGNAL PEDESTAL, REMOVE	16	EA	R	\$ 104.00	\$ 125.00	\$ 58.00	\$ 928.00	\$ 150.00	\$ 2,400.00
690-34-2C	REMOVE POLE WOOD	2	EA	R	\$ 391.50	\$ 150.00	\$ 233.00	\$ 466.00	\$ 550.00	\$ 1,100.00
690-50-0	REMOVE CONTROLLER ASSEMBLY COMPLETE WITH FOUNDATION - INCLUDES DELIVERY OF REMOVED CONTROLLER EQUIPMENT	2	EA	R	\$ 1,100.00	\$ 400.00	\$ 1,000.00	\$ 2,000.00	\$ 1,200.00	\$ 2,400.00
690-50-1	REMOVE CONTROLLER ASSEMBLY, LEAVE FOUNDATION IN PLACE - INCLUDES DELIVERY OF REMOVED EQUIPMENT	2	EA	R	\$ 500.00	\$ 350.00	\$ 350.00	\$ 700.00	\$ 650.00	\$ 1,300.00
690-70	REMOVE PEDESTRIAN DETECTOR ASSEMBLY	40	EA	R	\$ 49.78	\$ 25.00	\$ 14.55	\$ 582.00	\$ 85.00	\$ 3,400.00
690-80	REMOVE SPAN WIRE ASSEMBLY	4	PI	R	\$ 1,361.00	\$ 350.00	\$ 1,222.00	\$ 4,888.00	\$ 1,500.00	\$ 6,000.00
690-90	REMOVE CABLING AND CONDUIT	200	LF	R	\$ 1.25	\$ 1.00	\$ 0.50	\$ 100.00	\$ 2.00	\$ 400.00
690-90-1	REMOVE CABLE, UNDERGROUND	200	LF	R	\$ 1.31	\$ 1.00	\$ 0.62	\$ 124.00	\$ 2.00	\$ 400.00
690-91	REMOVE SIGNAL INTERCONNECT CABLE	200	LF	R	\$ 0.69	\$ 1.00	\$ 0.62	\$ 124.00	\$ 0.75	\$ 150.00
690-92	REMOVE EXISTING SIGNAL INTERCONNECT CABLE AERIAL (INCLUDING SPANWIRE)	100	LF	R	\$ 1.59	\$ 1.50	\$ 1.42	\$ 142.00	\$ 1.75	\$ 175.00
690-93	REMOVE SMALL PULL BOX - UP TO 17 X 30	10	EA	R	\$ 115.00	\$ 100.00	\$ 65.00	\$ 650.00	\$ 165.00	\$ 1,650.00
690-94	REMOVE LARGE PULL BOX - UP TO 30 X 60	2	EA	R	\$ 232.50	\$ 125.00	\$ 215.00	\$ 430.00	\$ 250.00	\$ 500.00
700-12-12	GROUND MOUNT AC-POWERED SIGN BEACON (TWO BEACONS)- INCLUDING SCHOOL ZONE FLASHERS	2	EA	F&I	\$ 6,191.00	\$ 3,750.00	\$ 3,807.00	\$ 7,614.00	\$ 8,575.00	\$ 17,150.00
700-12-22	GROUND MOUNT SOLAR-POWERED SIGN BEACON (TWO BEACONS)- INCLUDING SCHOOL ZONE FLASHERS	2	EA	F&I	\$ 7,877.50	\$ 6,750.00	\$ 5,495.00	\$ 10,990.00	\$ 10,260.00	\$ 20,520.00
700-12-32-1	OVERHEAD MOUNT AC-POWERED SIGN BEACON (TWO BEACONS)- INCLUDING SCHOOL ZONE FLASHERS	2	EA	F&I	\$ 7,229.50	\$ 7,050.00	\$ 4,534.00	\$ 9,068.00	\$ 9,925.00	\$ 19,850.00
700-12-32-2	OVERHEAD MOUNT SOLAR-POWERED SIGN BEACON (TWO BEACONS)- INCLUDING SCHOOL ZONE FLASHERS	2	EA	F&I	\$ 7,950.00	\$ 8,295.00	\$ 5,000.00	\$ 10,000.00	\$ 10,900.00	\$ 21,800.00
700-3-2-04	OVERHEAD SIGN PANEL - 31-50 SQUARE FEET	10	EA	F&I	\$ 1,295.00	\$ 825.00	\$ 1,340.00	\$ 13,400.00	\$ 1,250.00	\$ 12,500.00
700-5-21	INTERNALLY ILLUMINATED SIGN (6") FLUORESCENT	4	EA	F&I	\$ 2,678.50	\$ 52,100.00	\$ 1,571.00	\$ 6,284.00	\$ 3,786.00	\$ 15,144.00
700-5-22	INTERNALLY ILLUMINATED SIGN (8") FLUORESCENT	2	EA	F&I	\$ 2,761.00	\$ 57,200.00	\$ 1,736.00	\$ 3,472.00	\$ 3,786.00	\$ 7,572.00
700-5-41	INTERNALLY ILLUMINATED SIGN (6") INSTALL ONLY	20	EA	I	\$ 722.50	\$ 67,640.00	\$ 815.00	\$ 16,300.00	\$ 630.00	\$ 12,600.00
700-5-42	INTERNALLY ILLUMINATED SIGN (8") INSTALL ONLY	20	EA	I	\$ 722.50	\$ 2,730.00	\$ 815.00	\$ 16,300.00	\$ 630.00	\$ 12,600.00
700-6-13	LED BLANK-OUT SIGN (30" X 30")	1	EA	F&I	\$ 4,373.00	\$ 2,845.00	\$ 4,171.00	\$ 4,171.00	\$ 4,575.00	\$ 4,575.00
700-6-14	FIBER OPTIC BLANK-OUT SIGN (30" X 30")	1	EA	F&I	\$ 4,898.00	\$ 325.00	\$ 4,171.00	\$ 4,171.00	\$ 5,625.00	\$ 5,625.00
700-6-21	HIGHLIGHTED SIGN GROUND MOUNTED (SOLAR POWERED) - UP TO 12 SQ FT	2	EA	F&I	\$ 4,565.50	\$ 325.00	\$ 3,906.00	\$ 7,812.00	\$ 5,225.00	\$ 10,450.00
700-6-22	HIGHLIGHTED SIGN GROUND MOUNTED (SOLAR POWERED) - 12-20 SQ FT	2	EA	F&I	\$ 5,050.00	\$ 6,500.00	\$ 4,700.00	\$ 9,400.00	\$ 5,400.00	\$ 10,800.00
715-5-32	LUMINAIRE AND BRACKET ARM - GALV STEEL	10	EA	F&I	\$ 1,359.00	\$ 1,254.00	\$ 1,373.00	\$ 13,730.00	\$ 1,345.00	\$ 13,450.00
715-5-51	LUMINAIRE AND BRACKET ARM	10	EA	R	\$ 893.50	\$ 255.00	\$ 1,412.00	\$ 14,120.00	\$ 375.00	\$ 3,750.00
715-11-119	LUMINAIRE ROADWAY COBRAHEAD (268 WATT LED)	250	EA	F&I	\$ 1,207.50	\$ 1,255.00	\$ 1,165.00	\$ 291,250.00	\$ 1,250.00	\$ 312,500.00
715-11-111-A	LUMINAIRE ROADWAY COBRA HEAD (150 WATT HPS)	1	EA	F&I	\$ 909.00	\$ 630.00	\$ 868.00	\$ 868.00	\$ 950.00	\$ 950.00

ANNUAL TRAFFIC SIGNAL CONTRACT					AVERAGE OF BID ITEMS FOR ALL BIDDERS	ENGINEERS ESTIMATE	GERELCO TRAFFIC CONTROLS, INC.		FERREIRA CONSTRUCTION SOUTHERN DIVISION CO., INC.	
PBC PROJECT #2019050							UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL
ITEM #	DESCRIPTION	QTY	UNIT	F,I,R	UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
715-11-111-B	LUMINAIRE ROADWAY COBRA HEAD (200 WATT HPS)	1	EA	F&I	\$ 990.50	\$ 630.00	\$ 961.00	\$ 961.00	\$ 1,020.00	\$ 1,020.00
715-11-111-C	LUMINAIRE ROADWAY COBRA HEAD (250 WATT HPS)	1	EA	F&I	\$ 1,018.50	\$ 630.00	\$ 987.00	\$ 987.00	\$ 1,050.00	\$ 1,050.00
715-11-500	LUMINAIRE, REMOVE	5	EA	R	\$ 325.00	\$ 275.00	\$ 350.00	\$ 1,750.00	\$ 300.00	\$ 1,500.00
715-1-12	CONDUCTOR (No. 8 to No. 6)	100	LF	F&I	\$ 1.80	\$ 1.50	\$ 2.04	\$ 204.00	\$ 1.55	\$ 155.00
715-1-13	CONDUCTOR (No. 4 to No. 2)	100	LF	F&I	\$ 3.28	\$ 2.00	\$ 4.50	\$ 450.00	\$ 2.05	\$ 205.00
715-21-2	LIGHTING RETROFITS, LED RETROFIT KIT FOR EXISTING LUMINAIRES	54	EA	F&I	\$ 815.50	\$ 975.00	\$ 431.00	\$ 23,274.00	\$ 1,200.00	\$ 64,800.00
715-11-500	REMOVE LUMINAIRE ROADWAY (ALL TYPES)	5	EA	R	\$ 383.00	\$ 300.00	\$ 466.00	\$ 2,330.00	\$ 300.00	\$ 1,500.00
715-4-111	STANDARD LAMPPOST, STANDARD FOUNDATION (40' MOUNTING HEIGHT)	1	EA	F&I	\$ 5,350.00	\$ 3,130.00	\$ 4,700.00	\$ 4,700.00	\$ 6,000.00	\$ 6,000.00
715-5-11(A)	LUMINAIRE & BRACKET ARM ALUMINUM (8')	10	EA	F&I	\$ 1,120.50	\$ 1,078.00	\$ 1,091.00	\$ 10,910.00	\$ 1,150.00	\$ 11,500.00
715-5-11(B)	LUMINAIRE & BRACKET ARM ALUMINUM (12' w/36"rise)	10	EA	F&I	\$ 1,312.00	\$ 1,150.00	\$ 1,224.00	\$ 12,240.00	\$ 1,400.00	\$ 14,000.00
715-5-11(C)	LUMINAIRE & BRACKET ARM ALUMINUM (15' w/36"rise)	1	EA	F&I	\$ 1,420.00	\$ 1,200.00	\$ 1,290.00	\$ 1,290.00	\$ 1,550.00	\$ 1,550.00
715-5-31-A	LUMINAIRE & BRACKET ARM ALUMINUM (8' w/36"rise)	1	EA	I	\$ 737.50	\$ 144.00	\$ 1,025.00	\$ 1,025.00	\$ 450.00	\$ 450.00
715-5-31-B	LUMINAIRE & BRACKET ARM ALUMINUM (12' w/36"rise)	1	EA	I	\$ 771.00	\$ 145.00	\$ 1,092.00	\$ 1,092.00	\$ 450.00	\$ 450.00
715-5-31-B1	LUMINAIRE & BRACKET ARM ALUMINUM (12' w/84"rise)	3	EA	I	\$ 803.50	\$ 145.00	\$ 1,157.00	\$ 3,471.00	\$ 450.00	\$ 1,350.00
715-5-31-C	LUMINAIRE & BRACKET ARM ALUMINUM (15' w/36"rise)	3	EA	I	\$ 837.00	\$ 150.00	\$ 1,224.00	\$ 3,672.00	\$ 450.00	\$ 1,350.00
715-5-31-C1	LUMINAIRE & BRACKET ARM ALUMINUM (15' w/84"rise)	2	EA	I	\$ 837.00	\$ 150.00	\$ 1,224.00	\$ 2,448.00	\$ 450.00	\$ 900.00
715-5-50	LUMINAIRE & BRACKET ARM - REMOVE	8	EA	R	\$ 266.50	\$ 125.00	\$ 233.00	\$ 1,864.00	\$ 300.00	\$ 2,400.00
715-11-111	FURNISH AND INSTALL 200 WATT HIGH PRESSURE SODIUM COBRAHEAD LUMINAIRE	1	EA	F&I	\$ 640.00	\$ 655.00	\$ 505.00	\$ 505.00	\$ 775.00	\$ 775.00
715-11-111-L1	FURNISH AND INSTALL 214 WATT LED COBRAHEAD LUMINAIRE	1	EA	F&I	\$ 1,104.50	\$ 960.00	\$ 959.00	\$ 959.00	\$ 1,250.00	\$ 1,250.00
715-11-111-L2	FURNISH AND INSTALL 268 WATT COBRAHEAD LED LUMINAIRE	1	EA	F&I	\$ 1,171.00	\$ 961.00	\$ 1,092.00	\$ 1,092.00	\$ 1,250.00	\$ 1,250.00
<b>TOTAL BID</b>								<b>\$6,287,348.00</b>		<b>\$7,157,820.50</b>

**ANNUAL TRAFFIC SIGNAL CONTRACT, PBC PROJECT #2019050**

**THE COUNTY DOES NOT GUARANTEE THE ACCURACY OF THE FORMULAS AND EXTENSIONS USED IN THIS SPREADSHEET.**

**THE ITEMS AND QUANTITIES ABOVE, SHALL GOVERN OVER THE PLANS.**

**PAY ITEM FOOTNOTES IN CONSTRUCTION PLANS SHALL ALSO BE INCLUDED IN ITEM UNIT PRICE.**

Note #	PAY ITEM FOOTNOTES
1	All costs for Maintenance of Traffic (MOT) and mobilization shall be considered incidental to, and shall be included in, unit prices for the pay items.
2	All items shall include cost to furnish and install unless otherwise noted.
3	Mobilization: Includes NPDES Erosion Control Measures.
4	Maintenance of Traffic: Includes all provision and maintenance of necessary signs, advanced warning, variable message boards, all detour signs and barricades, and any railroad MOT required for the duration of the project. MOT shall include the cost of any temporary pavement, temporary concrete barriers, temporary wire faced wall, etc. as required.
5	Curb and gutter shall be incidental when related to ADA ramp applications.
6	Clearing and grubbing to include all necessary curb and gutter and sidewalk removal.
7	LF - Linear Feet
	SF - Square Feet
	SY - Square Yard
	AS - Assembly
	PI - Per Installation
	EA - Each
	HR - Per Hour
MH - Man Hour	
ED - Each Day	
WK - Per Week	
LS - Lump Sum (Complete)	
F&I - Furnish & Install	
F - Furnish Only	
I - Install Only	
R - Remove	
LBS - Pounds	
8	Item Number 649-28-02: This line item (649-28-02) will be used in combination with line item 649-22-XX and shall be applied by the manufacturer. It is not intended to be used to paint existing Mast Arms in the field. When line item 649-22-XX is combined with line item 649-28-02, the mast Arm Assemblies shall be powder coated at manufacturer's facility. Mast Arm painted using a process equivalent to powder coating may be considered if approved by the Engineer.
Working days to complete project: TBD ( per task order)	
Bids as read at opening on MAY 14, 2019, 2:00 PM	
All bids subject to OSBA SBE compliance and Board Approval.	
Prepared by: Geraldine Lazzarino-Kelly, Technical Assistant 1	
Checked by: Holly B. Knight, P.E., Contracts Section Manager	