



**II. FISCAL IMPACT ANALYSIS**

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

Fiscal Years	2015	2016	2017	2018	2019
Capital Expenditures	<u>\$275,628</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
Operating Costs	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
External Revenues	<u>(\$100,000)</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
Program Income (County)	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
In-Kind Match (County)	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
NET FISCAL IMPACT	<u>\$175,628</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
# ADDITIONAL FTE POSITIONS (Cumulative)	_____	_____	_____	_____	_____

Is Item Included in Current Budget?                    Yes   X    No

**Budget Account No:**

Fund 3500   Dept 361   Unit 1452-125   Object 6408/6693

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

Transportation Improvement Fund  
Traffic Signal Mast Arms FY2011  
Donald Ross Rd & Port Circle TS 08935

**C. Departmental Fiscal Review:**

*Alicia Kovalainen*

**III. REVIEW COMMENTS**

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

*M. Diaz* 2/13/15  
K/O ABD OFMB  
2/12 2/12

*A. J. Jacobson* 2/24/15  
Contract Dev. and Control

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

*Michael R. [Signature]* 2/16/15  
Assistant County Attorney

**C. Other Department Review:**

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

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

TWP 41

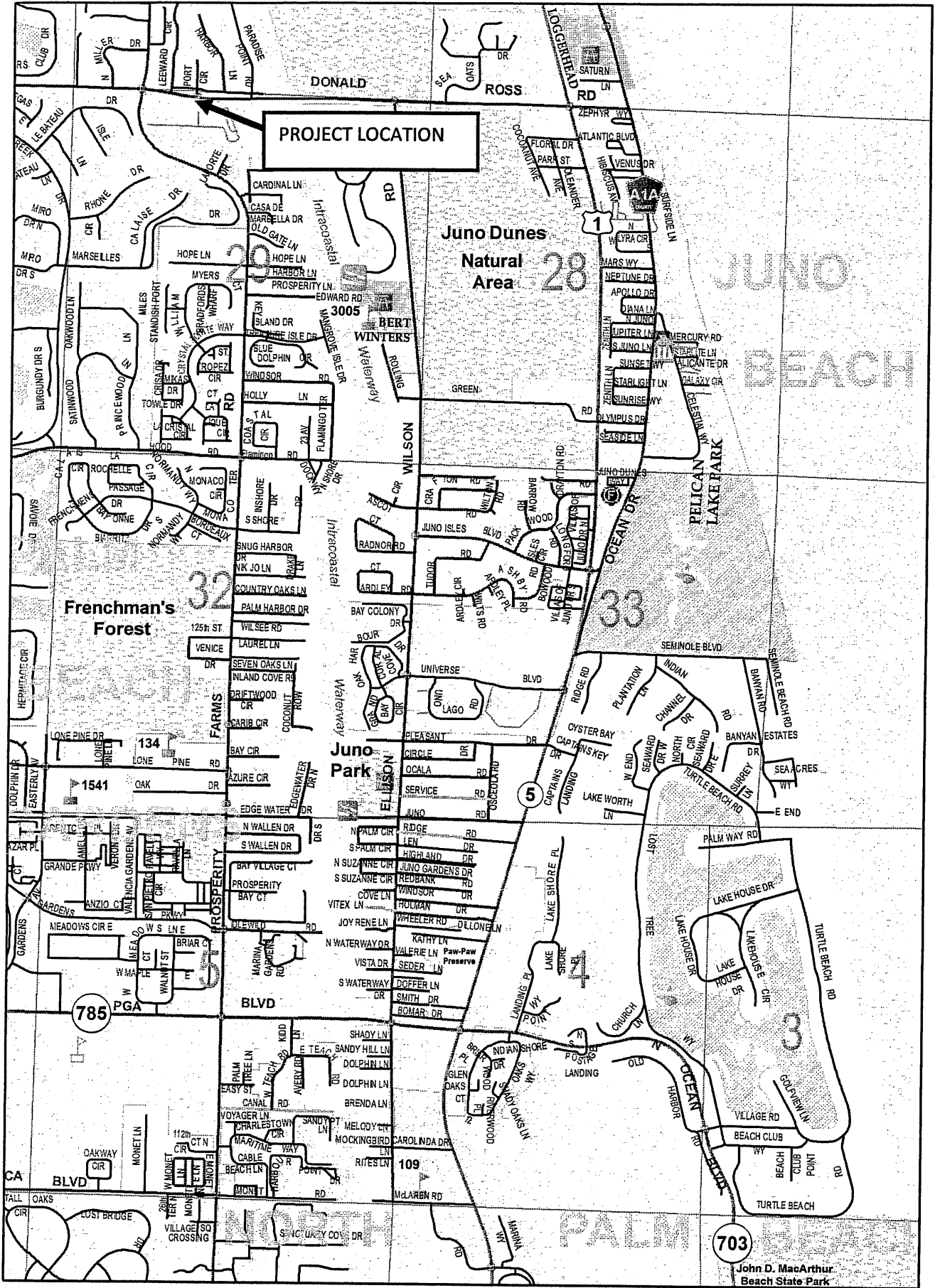
TWP 41

TWP 42

7

8

9



RNG 43

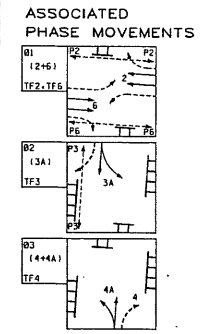
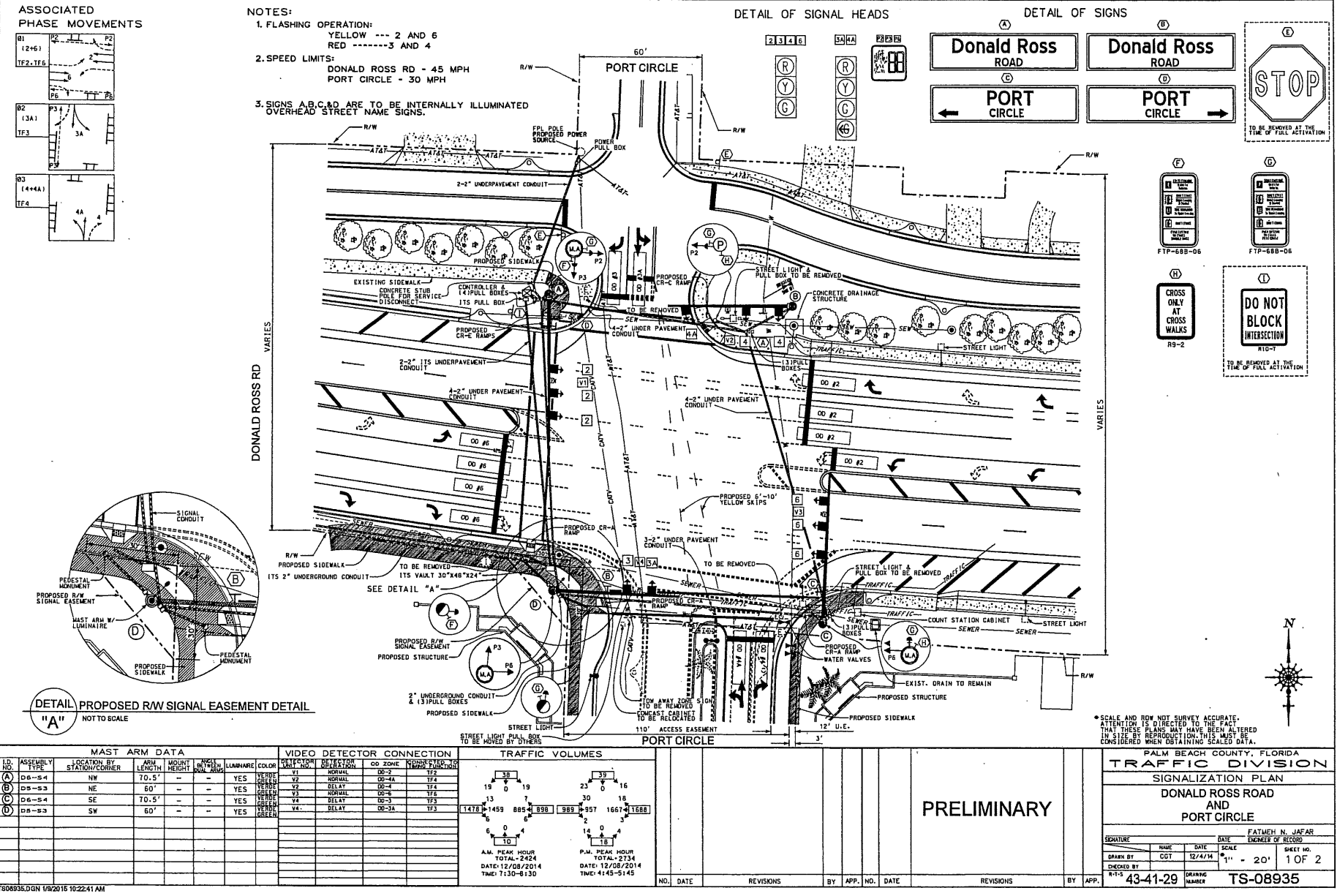
See pg 35

RNG 43

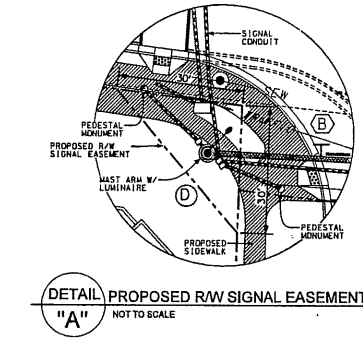
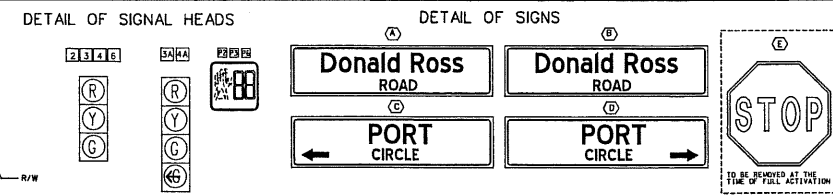
Page 25

Location Sketch

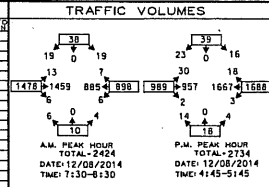
Signal Plan



- NOTES:**
- FLASHING OPERATION:  
 YELLOW ---- 2 AND 6  
 RED ----- 3 AND 4
  - SPEED LIMITS:  
 DONALD ROSS RD - 45 MPH  
 PORT CIRCLE - 30 MPH
  - SIGNS A,B,C,D ARE TO BE INTERNALLY ILLUMINATED OVERHEAD STREET NAME SIGNS.



MAST ARM DATA						VIDEO DETECTOR CONNECTION					
I.D. NO.	ASSEMBLY TYPE	LOCATION BY STATION/CORNER	ARM LENGTH	ARM HEIGHT	ANGLE BETWEEN ARMS	LAMP/ARE	COLOR	VIDEO DETECTOR	DETECTION	DO ZONE	SENSOR FUNCTION
A	D6-S4	NW	70.5'	-	-	YES	TF4	V1	NORMAL	DO-2	TF2
B	D5-S3	NE	60'	-	-	YES	TF4	V2	NORMAL	DO-4A	TF4
C	D6-S4	SE	70.5'	-	-	YES	TF6	V3	NORMAL	DO-6	TF6
D	D5-S3	SW	60'	-	-	YES	TF3	V4	DELAY	DO-3	TF3
								V4	DELAY	DO-2A	TF3



**PRELIMINARY**

NO.	DATE	REVISIONS	BY	APP. NO.	DATE	REVISIONS	BY	APP.
43-41-29								

PALM BEACH COUNTY, FLORIDA  
**TRAFFIC DIVISION**  
 SIGNALIZATION PLAN  
 DONALD ROSS ROAD  
 AND  
 PORT CIRCLE

SCALE AND ROW NOT SURVEY ACCURATE. ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

SIGNATURE: FATMEN N. JAFAR  
 ENGINEER OF RECORD

DRAWN BY: CGT  
 DATE: 12/17/14  
 SCALE: 1/4" = 20'

CHECKED BY: [Signature]  
 DATE: 12/17/14  
 SHEET NO. 1 OF 2

DRAWING NUMBER: TS-08935

1608935.DGN 1/9/2016 10:22:41 AM

**WORK ORDER TO ANNUAL CONTRACT (2012-056) BETWEEN**

**PALM BEACH COUNTY**

**AND**

**GERELCO TRAFFIC CONTROLS, INC.**

**TO CONSTRUCT A MAST ARM TRAFFIC SIGNAL AT THE INTERSECTION OF**

**DONALD ROSS ROAD AND PORT CIRCLE, PALM BEACH COUNTY**

**INTERSECTION ID NUMBER 08935**

**SIGNAL PROJECT NUMBER 2015-01**

**PALM BEACH COUNTY PROJECT NUMBER 2015705**

**PALM BEACH COUNTY, FLORIDA**

**THIS WORK ORDER TO THE ANNUAL CONTRACT**, made and entered into this \_\_\_\_ day of \_\_\_\_\_, 2015, by and between Palm Beach County (hereinafter called the **COUNTY**), and **GERELCO TRAFFIC CONTROLS, INC.**, a Florida corporation with an address of 560 NW Enterprise Drive, Port Saint Lucie, FL 34986 (hereinafter called the **CONTRACTOR**).

**WITNESSETH**

**WHEREAS**, the **COUNTY** and **CONTRACTOR** entered into an Annual Contract (hereinafter called the **CONTRACT**) to provide for the furnishing and installation of various signal components for traffic control devices on a work order basis on July 10, 2012 (R2012-0951); and

**WHEREAS**, the **CONTRACT** was amended on October 22, 2013 (R2013-1366) to extend the expiration date to July 10, 2015; and

**WHEREAS**, the **COUNTY** desires the **CONTRACTOR** to construct a mast arm traffic signal at the intersection of Donald Ross Road and Port Circle, Palm Beach County Intersection ID Number 08935, (hereinafter called the **PROJECT**); and

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

**Re: Construct a mast arm traffic signal at the intersection of Donald Ross Road and Port Circle, Palm Beach County Intersection ID Number 08935  
Signal Project Number: 2015-01  
Palm Beach County Project Number: 2015705**

**WHEREAS**, based on the pricing agreed to in the **CONTRACT**, a cost not to exceed \$275,627.82 has been calculated by Staff and found to be appropriate compensation for the services to be performed by the **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 **CONTRACTOR** agrees to provide services for the **PROJECT** in accordance with the **CONTRACT** and as further described in Exhibit "A".
2. The **COUNTY** agrees to pay the **CONTRACTOR** a fee not to exceed \$275,627.82 to construct the **PROJECT**. Final payment shall be per documented quantities installed.

Except as hereby amended, changed or modified, all other terms, conditions and obligations of the **CONTRACT** dated July 10, 2012 (R2012-0951) shall remain in full force and effect.

**INTENTIONALLY LEFT BLANK**

**Re: Construct a mast arm traffic signal at the intersection of Donald Ross Road and Port Circle, Palm Beach County Intersection ID Number 08935  
Signal Project Number: 2015-01  
Palm Beach County Project Number: 2015705**

**IN WITNESS WHEREOF**, the parties hereto have made and executed this **WORK ORDER** as of the day and year first above written.

**OWNER:**

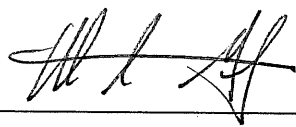
**Palm Beach County, Florida**, a  
Political Subdivision of the  
State of Florida

**CONTRACTOR:**

Gereco Traffic Controls, Inc.  
a Florida Corporation

**BOARD OF COUNTY COMMISSIONERS**

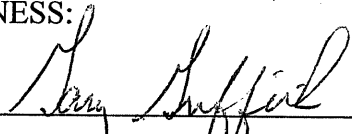
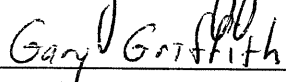
BY: \_\_\_\_\_  
Shelley Vana, Mayor

BY: \_\_\_\_\_  


**ATTEST:**  
Sharon R. Bock, Clerk & Comptroller  
Circuit Court

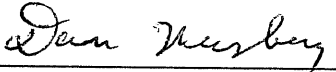
**C O R P O R A T E   S E A L**

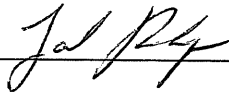
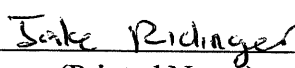
BY: \_\_\_\_\_  
Deputy Clerk

WITNESS:  
BY: \_\_\_\_\_  
  
BY: \_\_\_\_\_  
  
(Printed Name)

**S E A L**

**APPROVED AS TO TERMS  
AND CONDITIONS:**

BY: \_\_\_\_\_  


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

**APPROVED AS TO FORM & LEGAL  
SUFFICIENCY:**

\_\_\_\_\_  
COUNTY ATTORNEY

EXHIBIT "A"

PALM BEACH COUNTY ENGINEERING & PUBLIC WORKS

TRAFFIC DIVISION WORK ORDER / ANNUAL CONTRACT PROJECT 2012-056

CONTRACT RESOLUTION NUMBER R2012-0951

PROJECT NAME: Donald Ross Road & Port Circle (PBC Intersection 08935)  
BUDGET LINE ITEM: 3500-361-1452-125-6408  
KDO NUMBER: N/A  
SIGNAL PROJECT NUMBER: 2015-01 PBC-PROJECT NUMBER: 2015-705  
DATE: 03/10/2015 COMMISSION DISTRICT: 1

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

In accordance with the terms of your contract dated July 10, 2012, you are directed to provide the following supplies and services: To construct a mast arm traffic signal at the intersection of Donald Ross Road and Port Circle as shown on the Signal Plan on page 2.

The above work shall be performed at: Donald Ross Road & Port Circle (PBC Intersection 08935).

STARTING: The contract duration for this work is 210 days. A separate 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 \$275,627.82, which includes \$45,937.97 contingency (See attached bidtab for quantities). Final payment shall be per documented quantities installed. The Small Business Enterprise (SBE) goal for this contract is 15%. The estimated SBE Participation for this Work Order is 15%. The total SBE participation to date for this Contract is 20%.

This work shall be coordinate with, (48 hours prior notice to commencement of work):

Fattoush Jafar, P.E., Ph.D., Senior Professional Engineer (561) 684-4030  
Name Title Telephone

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

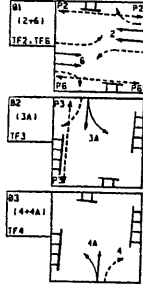
[Signature] Pres. 772 340 7474  
Name Title Telephone

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

\_\_\_\_\_  
Signature Title Telephone



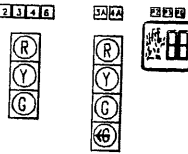
ASSOCIATED PHASE MOVEMENTS



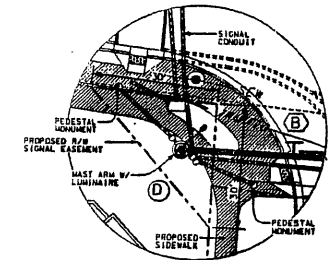
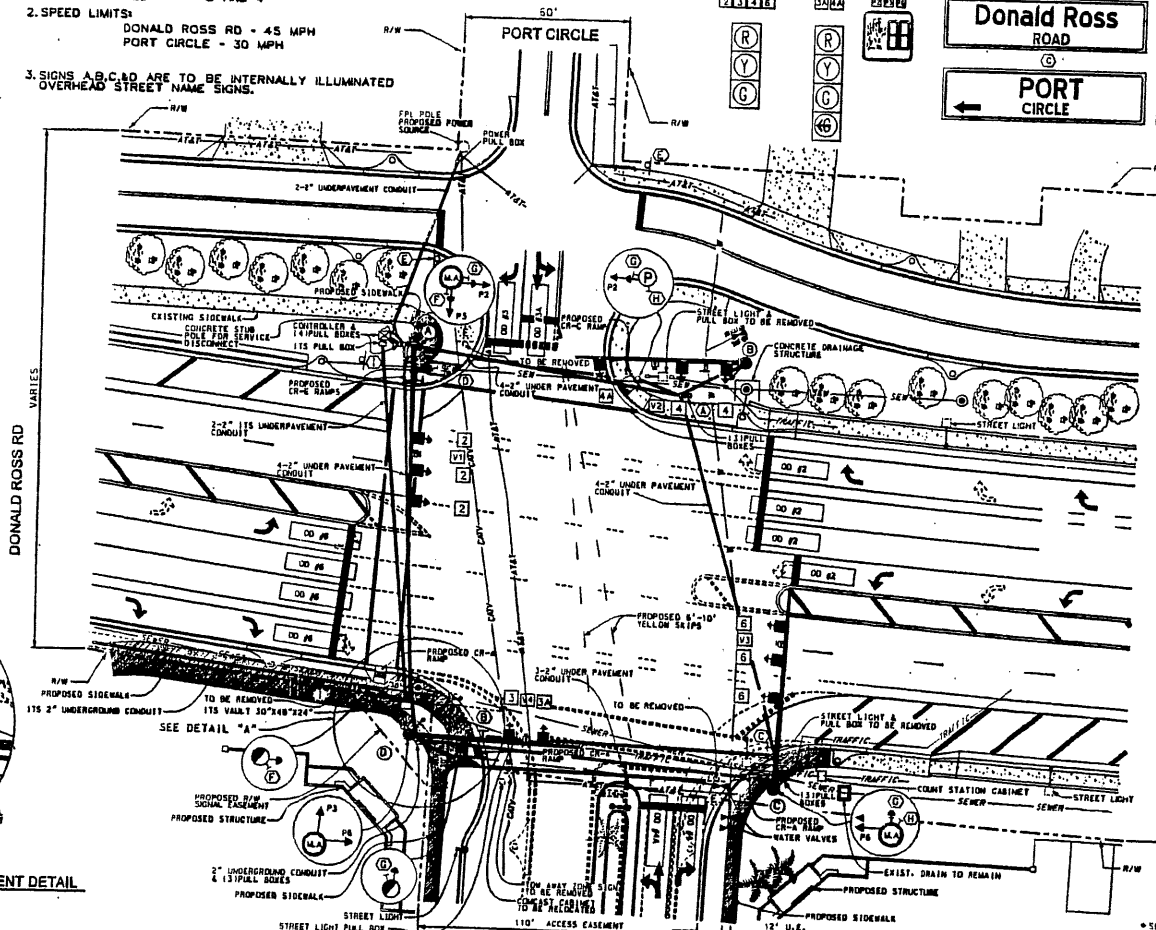
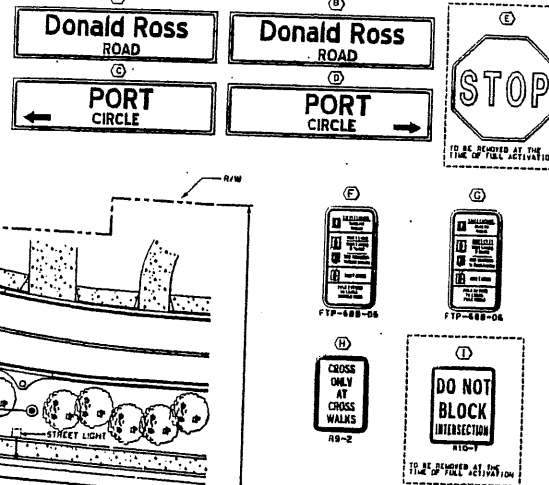
NOTES:

- FLASHING OPERATION:  
YELLOW --- 2 AND 6  
RED - - - - - 3 AND 4
- SPEED LIMITS:  
DONALD ROSS RD - 45 MPH  
PORT CIRCLE - 30 MPH
- SIGNS A,B,C,D ARE TO BE INTERNALLY ILLUMINATED OVERHEAD STREET NAME SIGNS.

DETAIL OF SIGNAL HEADS



DETAIL OF SIGNS



DETAIL PROPOSED RW SIGNAL EASEMENT DETAIL  
11 A 11 NOT TO SCALE

MAST ARM DATA				VIDEO DETECTOR CONNECTION							
ID	ASSEMBLY TYPE	LOCATION BY STATION/CORNER	ARM LENGTH	HEIGHT	WAVELENGTH	LABWARE	COLOR	TYPE	ORIGIN	OR ZONE	OR ZONE
1	DA-44	NW	70.5'	-	YES	REFLECTIVE	GREEN	DELTA	00-3A	177	177
2	DA-33	NE	50'	-	YES	REFLECTIVE	RED	DELTA	00-3A	177	177
3	DA-34	SE	70.5'	-	YES	REFLECTIVE	GREEN	DELTA	00-3A	177	177
4	DA-33	SW	50'	-	YES	REFLECTIVE	RED	DELTA	00-3A	177	177

TRAFFIC VOLUMES			
NO.	DATE	REVISIONS	BY APP. NO. DATE
1	12/08/2014		
2	12/08/2014		

NO.	DATE	REVISIONS	BY APP. NO. DATE
1	12/08/2014		
2	12/08/2014		

SCALE AND DIM NOT SHOWN ACCURATE. ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY DEPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

PALM BEACH COUNTY, FLORIDA  
TRAFFIC DIVISION  
SIGNALIZATION PLAN  
DONALD ROSS ROAD AND PORT CIRCLE

SIGNATURE: FATMEN H. JAFAR  
DATE: 12/27/14  
SCALE: 1" = 20'  
SHEET NO. 1 OF 2

NO. DATE REVISIONS BY APP. NO. DATE REVISIONS BY APP. NO.

PRELIMINARY

43-41-29 TS-08935

Signal Plan



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

**GERELCO - Bid  
Tabulation**

**DATE: 1/22/2015 CONTRACT NO.#: 2015-01**

**INTERSECTION: Donald Ross Road & Port Circle**  
**INTERSECTION NO.# 08935**

ITEM NO.#	PRODUCT NAME	QTY	PRICE	LINE TOTAL
102-1-A	GENERAL MAINTENANCE OF TRAFFIC	16	\$84.00	\$1,344.00
630-1-12-2	2" PVC (SCH 40) UNDERGROUND CONDUIT	115	\$5.95	\$684.25
630-1-13-2-2	2-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE)	210	\$11.50	\$2,415.00
630-1-13-2-3	3-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE)	145	\$13.00	\$1,885.00
630-1-13-2-4	4-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE)	270	\$16.50	\$4,455.00
630-1-13-2-5	5-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE)	160	\$19.50	\$3,120.00
632-7-1-1G	SIGNAL CABLE (SPAN LENGTH 751' - Greater)	1	\$4,150.00	\$4,150.00
632-7-1-4	PEDESTRIAN SIGNAL CABLE - 4 CONDUCTOR	1	\$950.00	\$950.00
632-7-1-7	PEDESTRIAN SIGNAL CABLE - 7 CONDUCTOR	1	\$1,120.00	\$1,120.00
635-1-15A	PULL BOX (30" x 48" x 24"D) HEAVY DUTY SPLIT COVERS	1	\$910.00	\$910.00
635-1-15B	PULL BOX (17" x 30" x 12"D) HEAVY DUTY COVERS	14	\$325.00	\$4,550.00
635-1-15D	PULL BOX, (17"X30"X24"D) FIBERGLASS, HEAVY DUTY COVERS	1	\$235.00	\$235.00
639-1-23	ELECTRICAL POWER SERVICE (UNDERGROUND)	1	\$850.00	\$850.00
639-2-1	ELECTRICAL SERVICE WIRE	210	\$1.25	\$262.50
641-2-12-12	PRESTRESSED CONCRETE POLE (12' TYPE P-II )	1	\$625.00	\$625.00
649-31-108	MAST ARM ASSY D5-S23 60' W/LUM	2	\$43,147.10	\$86,294.20
649-31-109	MAST ARM ASSY D6-S24 70' 6" W/LUM	2	\$48,009.95	\$96,019.90
650-51-311	TRAFFIC SIGNAL HEAD ALUMINUM (3-SECTION, 1-WAY)	9	\$720.00	\$6,480.00
650-51-411	TRAFFIC SIGNAL HEAD ALUMINUM (4-SECTION, 1-WAY)	2	\$725.00	\$1,450.00
653-191	PEDESTRIAN SIGNAL - COUNT DOWN (1-WAY) ALUMINUM	2	\$720.00	\$1,440.00
653-192	PEDESTRIAN SIGNAL - COUNT DOWN (2-WAY) ALUMINUM	2	\$1,200.00	\$2,400.00

**Bid Tabulation**

DATE: 1/22/2015

CONTRACT NO.#:

2015-01

INTERSECTION: Donald Ross Road & Fort Circle

INTERSECTION NO.# 08935

ITEM NO.#	PRODUCT NAME	QTY	PRICE	LINE TOTAL
659-107	SIGNAL HEAD AUX. (ALUMINUM PEDESTAL)	3	\$650.00	\$1,950.00
665-11	PEDESTRIAN DETECTOR (PUSH BUTTON)	6	\$100.00	\$600.00
670-5-310	TRAFFIC CONTROLLER ASSEMBLY (TYPE 5 - INSTALL ONLY)	1	\$1,700.00	\$1,700.00
699-1-1 B	INTERNALLY ILLUMINATED SIGN (6') INSTALL ONLY	4	\$325.00	\$1,300.00
786-1-32-42	VIDEO IMAGE DETECTION 4 - CAMERA SYSTEM (ITERIS)	1	\$2,500.00	\$2,500.00
<b>TOTAL:</b>				<b>\$229,689.85</b>

Comments: Ped Signs - Qty. 8 x Price \$150 = \$1,200.00

**BOARD OF COUNTY COMMISSIONERS  
PALM BEACH COUNTY  
BUDGET Amendment**

**FUND Transportation Improvement**

**BGRV 020315-377  
BGEX 020315-831**

ACCOUNT NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	CURRENT BUDGET	INCREASE	DECREASE	ADJUSTED BUDGET	EXPENDED/ ENCUMBERED AS OF 02/03/15	REMAINING BALANCE
<b><u>REVENUES</u></b>								
<b><u>TRAFFIC SIGNAL MAST ARMS FY 2011</u></b>								
3500-361-1452-6693	Developer Contributions	0	0	100,000	0	100,000		
<b>TOTAL RECEIPTS &amp; BALANCES</b>		197,575,694	192,684,871	100,000	0	192,784,871		
<b><u>EXPENDITURES</u></b>								
<b><u>TRAFFIC SIGNAL MAST ARMS FY 2011</u></b>								
3500-361-1452-6408	Signals & Controllers	374,819	374,819	100,000	0	474,819	0	474,819
<b>TOTAL APPROPRIATIONS &amp; EXPENDITURES</b>		197,575,694	192,684,871	100,000	0	192,784,871		

Engineering & Public Works

Administration / Budget Approval

OFMB Department – Posted

SIGNATURE

*Alicia Kovalainen*

DATE

2/3/15

By Board of County Commissioners  
At Meeting of \_\_\_\_\_

Deputy Clerk to the  
Board of County Commissioners