

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

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<b>Meeting Date:</b>	March 10, 2015	<input checked="" type="checkbox"/> Consent	<input type="checkbox"/> Regular
		<input type="checkbox"/> Ordinance	<input type="checkbox"/> Public Hearing

<b>Department:</b>	
<b>Submitted By:</b>	Engineering & Public Works
<b>Submitted For:</b>	Traffic Division

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**I. EXECUTIVE BRIEF**

**Motion and Title: Staff recommends motion to approve:** A work order to construct a mast arm traffic signal at the intersection of Canyon Lakes Drive/Lake Royal Road and Lyons Road, PBC Intersection ID Number 46450 (Project), utilizing Palm Beach County's (County) annual traffic signal contractor, Gerelco Traffic Controls, Inc. (Gerelco), for the amount of \$275,115.72.

**SUMMARY:** Approval of this work order will allow Gerelco to construct the Project. Per County PPM CW-F-050, this work order exceeds the threshold relating to staff approvals of contracts, thus requiring approval from the Board of County Commissioners.

District 5 (MRE)

**Background and Justification:** On July 10, 2012 the Board of County Commissioners (Board) approved an annual traffic signal contract R2012-0951 with Gerelco to provide for the furnishing and installation of various signal components for traffic control devices. Amendment one of the annual traffic signal contract, dated October 22, 2013, R2013-1366 extended the expiration date to July 10, 2015. The County desires to construct the Project in accordance with the attached work order. The Board's approval is required to authorize the construction of the Project. The County received a check for \$250,000 on February 10, 2014 from G L Homes as a deposit to begin construction, the balance to be paid upon completion of the Project.

**Attachments:**

1. Location Sketch
2. Signal Plan
3. Work Order To Annual Contract with Exhibit A
4. Bid Tabulation

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<b>Recommended By:</b>	<u>Dan Murbur</u>	<u>02/11/15</u>	<u>[Signature]</u>
	Department Director	Date	

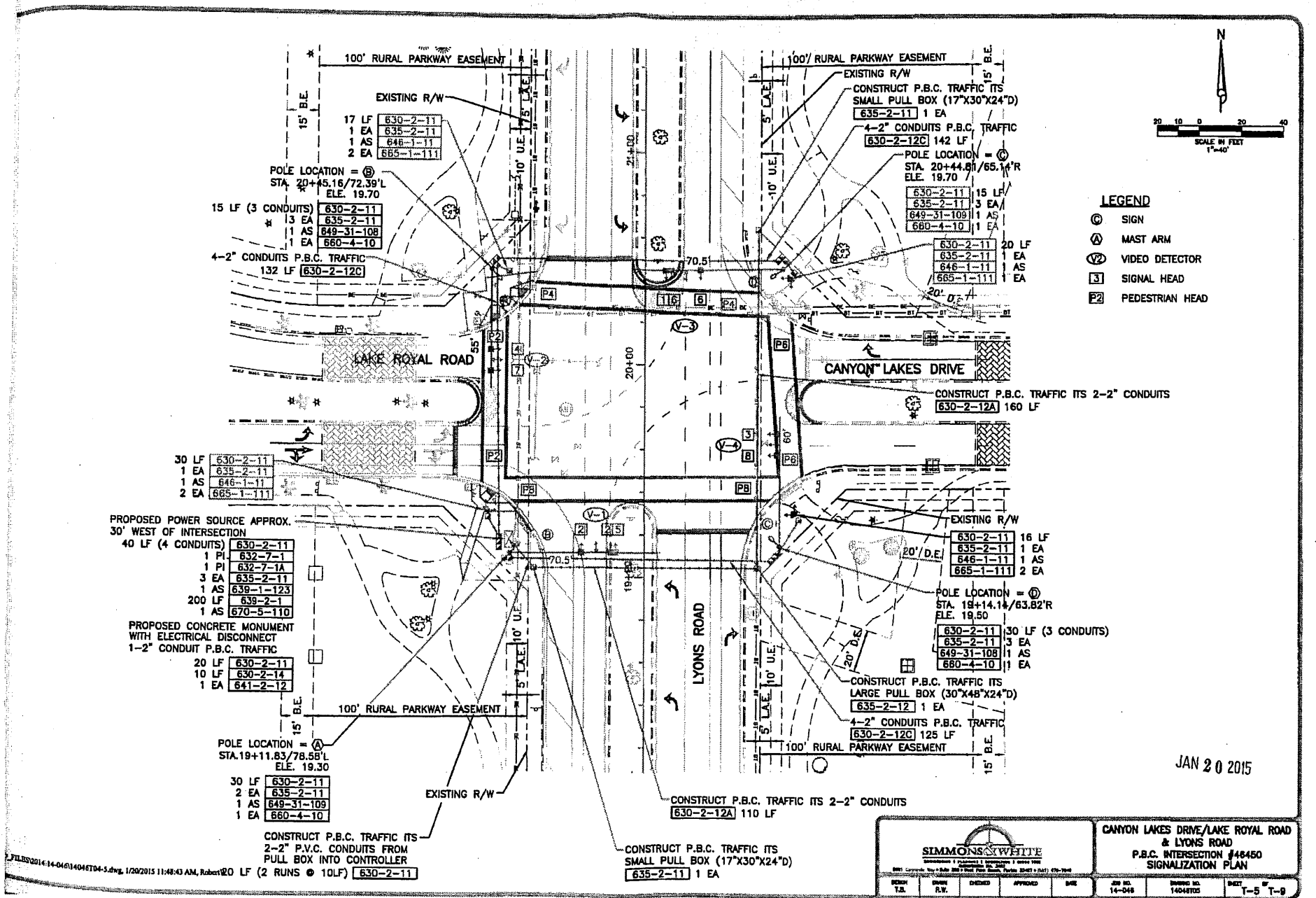
  

<b>Approved By:</b>	<u>S. J. Webb</u>	<u>2/12/15</u>	
	County Engineer	Date	



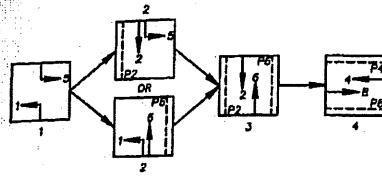


Signal Plan

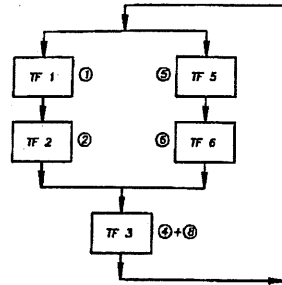


Signal Plan

SOP 7



RING DIAGRAM

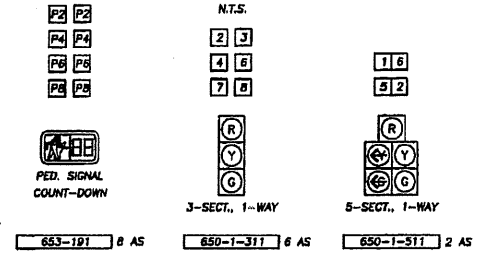


VIDEO DETECTOR CHART	
DETECTOR ZONE NO.	MOVEMENTS
V-1	2,5
V-2	4,7
V-3	1,6
V-4	3,8

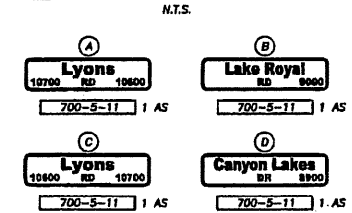
NOTES:

- 1.) CONTROLLER OPERATIONS:
  - THE CONTROLLER SHALL OPERATE AS SIGNAL OPERATING PLAN 7.
  - MAJOR STREET IS LYONS ROAD AND MINOR STREET IS CANYON LAKES DRIVE/LAKE ROYAL ROAD.
  - FLASHING OPERATION TO BE YELLOW FOR MAJOR STREET THROUGH MOVEMENTS 2 AND 6 AND RED FOR ALL OTHER MOVEMENTS.
- 2.) ACTUAL SIGNAL TIMINGS AND COORDINATION PLANS ARE TO BE DETERMINED BY THE PALM BEACH COUNTY ENGINEER'S REPRESENTATIVE.
- 3.) SPEED LIMIT ON LYONS ROAD IS 45 MPH AND SPEED LIMIT ON CANYON LAKES DRIVE/LAKE ROYAL ROAD IS 25 MPH.

DETAIL OF SIGNAL HEADS

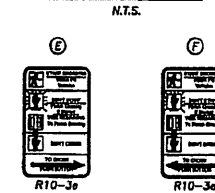


DETAIL OF STREET NAME SIGNS



-MAXIMUM SIGN DIMENSION 9' LENGTH AND 2' HEIGHT.  
-SIGNS SHALL MEET MUTCD AND FDOT CRITERIA FOR COLOR, LETTERING TYPE AND SIZE.

DETAIL OF SIGNS



JAN 20 2015

1414-04614045T04.dwg, 1/15/2015 3:25:34 PM, Robert W

				<b>CANYON LAKES DRIVE/LAKE ROYAL ROAD &amp; LYONS ROAD</b> P.B.C. INTERSECTION #4450 SIGNALIZATION PLAN			
DATE	BY	CHECKED	APPROVED	DATE	JOB NO.	DRAWING NO.	SHEET
T.A.	R.W.				14-046	14045T04	T-6 of T-9

**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  
CANYON LAKES DRIVE/LAKE ROYAL ROAD AND LYONS ROAD, PALM BEACH**

**COUNTY INTERSECTION ID NUMBER 46450**

**SIGNAL PROJECT NUMBER 2015-02**

**PALM BEACH COUNTY PROJECT NUMBER 2014713**

**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 Canyon Lakes Drive/Lake Royal Road and Lyons Road, Palm Beach County Intersection ID Number 46450, (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 Canyon Lakes Drive/Lake Royal Road and Lyons Road, Palm Beach County Intersection ID number 46450  
Signal Project Number: 2015-02  
Palm Beach County Project Number: 2014713**

**WHEREAS**, based on the pricing agreed to in the **CONTRACT**, a cost not to exceed \$275,115.72 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 \$275,115.72 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 Canyon Lakes Drive/Lake Royal Road and Lyons Road, Palm Beach County Intersection ID number 46450  
Signal Project Number: 2015-02  
Palm Beach County Project Number: 2014713**

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**

BOARD OF COUNTY COMMISSIONERS

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

CONTRACTOR:

Gerelco Traffic Controls, Inc.  
a Florida Corporation

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


ATTEST:


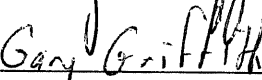
Sharon R. Bock, Clerk & Comptroller  
Circuit Court

**C O R P O R A T E   S E A L**

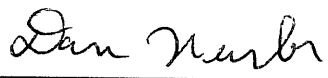
BY: \_\_\_\_\_  
Deputy Clerk

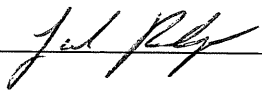
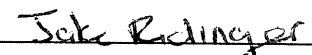
**S E A L**

WITNESS:

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

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: Canyon Lakes Drive/Lake Royal Road and Lyons Road (PBC Intersection 45450)

BUDGET LINE ITEM: 1201-360-3224-066-6408

KDO NUMBER: N/A

SIGNAL PROJECT NUMBER: 2015-02 PBC-PROJECT NUMBER: 2014713

DATE: 03/10/2015 COMMISSION DISTRICT: 5

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: Provide for the furnishing and installation of a mast arm traffic signal as shown on the Signal Plan on pages 2 and 3.


The above work shall be performed at: Canyon Lakes Drive/Lake Royal Road and Lyons Road (PBC Intersection 46450).

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 \$275,115.72, which includes \$45,852.62 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):

<u>Fattoush Jafar, P.E., Ph.D.</u>	<u>Senior Professional Engineer</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>Pres.</u>	<u>772 703 340 7474</u>
Name	Title	Telephone

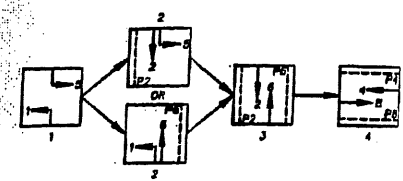
Please sign below and submit with invoice at the completion of the project.  
Project completed in compliance with Contract and Project specifications.

_____ Signature	_____ Title	_____ Telephone
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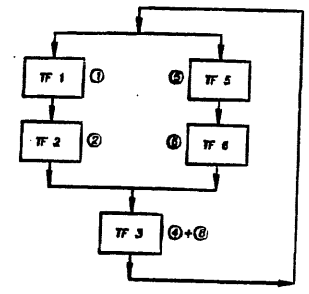


Signal Plan

SOP 7



RING DIAGRAM

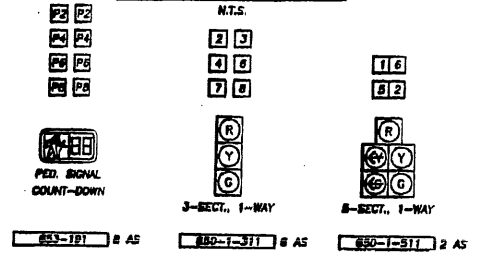


VIDEO DETECTOR CHART	
DETECTOR EDGE NO.	MOVEMENTS
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V-4	3,8

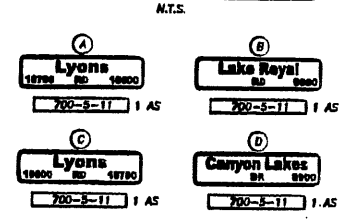
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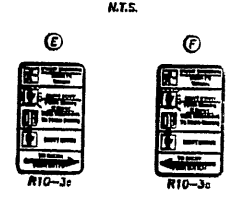


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DETAIL OF SIGNS



JAN 20 2015

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					CANYON LAKES DRIVE/LAKE ROYAL ROAD & LYONS ROAD P.B.C. INTERSECTION #48450 SIGNALIZATION PLAN				
T.A.	P.L.	DESIGN	APPROVED	DATE	DATE	DATE	DATE	DATE	DATE

EXHIBIT "A"



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: 1/23/2015 CONTRACT NO.#: 2015-02

INTERSECTION: Canyon Lakes Dr/Lake Royal Rd & Lyons Rd  
INTERSECTION NO.# 46450

ITEM NO.#	PRODUCT NAME	QTY	PRICE	LINE TOTAL
102-1-A	GENERAL MAINTENANCE OF TRAFFIC	16	\$84.00	\$1,344.00
630-1-13-2-2	2-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE)	270	\$11.50	\$3,105.00
630-1-13-2-4	4-2" (HDPE SDR 11) UNDER PAVEMENT CONDUIT (DIRECTIONAL BORE)	400	\$16.50	\$6,600.00
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	21	\$325.00	\$6,825.00
639-1-23	ELECTRICAL POWER SERVICE (UNDERGROUND)	1	\$850.00	\$850.00
639-2-1	ELECTRICAL SERVICE WIRE	200	\$1.25	\$250.00
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)	6	\$720.00	\$4,320.00
650-51-511	TRAFFIC SIGNAL HEAD ALUMINUM (5-SECTION, 1-WAY)	2	\$1,100.00	\$2,200.00
653-192	PEDESTRIAN SIGNAL - COUNT DOWN (2-WAY) ALUMINUM	4	\$1,200.00	\$4,800.00
659-107	SIGNAL HEAD AUX. (ALUMINUM PEDESTAL)	4	\$650.00	\$2,600.00
665-11	PEDESTRIAN DETECTOR (PUSH BUTTON)	8	\$100.00	\$800.00
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

**Bid Tabulation**

DATE: 1/23/2015 CONTRACT NO.#: 2015-02

INTERSECTION: Canyon Lakes Dr/Lake Royal Rd & Lyons Rd  
INTERSECTION NO.# 46450

ITEM NO.#	PRODUCT NAME	QTY	PRICE	LINE TOTAL
			TOTAL:	\$229,263.10

Comments: