

Meeting Date: September 13, 2011

Agenda Item

2

REQUESTED COMMISSION ACTION:

X	Consent	Ordinance	Resolution	Consideration/ Discussion	Presentation
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SHORT TITLE Approval to Install Bike Path Lawn Irrigation System, by Job Order Contractor (JOC), Shiff Construction & Development, Inc. (\$108,523.68)

**Summary of Purpose and Why:**

The City Commission previously revised the FY11 CIP to establish a project to provide trees, irrigation and sod for the Air Park bike path along NE 5<sup>th</sup> Avenue. This proposed JOC delivery order installs approximately 1.3 linear miles of distribution piping so the new landscaping can be irrigated with re-use water. City crews will install the additional irrigation bubblers and rotor heads to complete the system. Once the irrigation system is installed, City crews will plant the new trees and the nine acres of sod will be installed by contract to complete the project.

- (1) Origin of request for this action: Staff
- (2) Primary staff contact: Robert A. McCaughan, Public Works Director Ext. 4097
- (3) Expiration of contract, if applicable: N/A
- (4) Fiscal impact and source of funding: \$108,523.68 sourced from CIP Project 11-165

DEPARTMENTAL COORDINATION	DATE	DEPARTMENTAL RECOMMENDATION	DEPARTMENTAL HEAD SIGNATURE
<input type="checkbox"/> Public Works	<u>8/29/11</u>	<u>Approve</u>	<u>Robert A. McCaughan</u>
<input type="checkbox"/> General Services	<u>8/29/11</u>	<u>approve</u>	<u>James Staud</u>
<input type="checkbox"/> Finance	<u>8/30/11</u>	<u>approve</u>	<u>A. Thompson</u>
<input type="checkbox"/> Budget	<u>8/29/11</u>	<u>_____</u>	<u>_____</u>
<input type="checkbox"/> City Attorney	<u>7/2/11</u>	<u>_____</u>	<u>_____</u>
<input type="checkbox"/> Advisory Board			
<input type="checkbox"/> Planning Director			
<input type="checkbox"/> Public Works Director			
<input checked="" type="checkbox"/> City Manager			<u>James W. Beard</u>

ACTION TAKEN BY COMMISSION:

Ordinance	Resolution	Consideration
Workshop		
1 <sup>st</sup> Reading	1 <sup>st</sup> Reading	Results:
2 <sup>nd</sup> Reading		Results:

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**Job Order Contract N607197B2-C  
Job Order Proposal PB2011-003.00  
For  
Construction Services  
For City of Pompano Beach  
Air Park Bike Path Irrigation  
August 24, 2011**

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This Job Order proposal when executed by all parties shall authorize Shiff Construction & Development, Inc., to perform construction services in accordance with the contract signed between the City of Pompano Beach (City) and Shiff Construction & Development, Inc.(Contractor).

**Project Description:**

Contractor shall provide layout and all labor, material and equipment necessary to furnish and install the main lines, control valves, and associated sleeves and wiring, for a reclaimed water irrigation system. The City of Pompano Beach will tie into and complete with heads, bubblers, etc. Work to be performed at the Air Park Bike Path to include, but not limited to excavation and backfill, underground piping, control valves/boxes, and associated electrical items.

**Job Order Execution:**

Work will be accomplished in accordance with Contract Technical Specifications, Construction Task Catalog Line Item Description, and enclosed job order proposal notes.

**Job Order Completion Time:**

105 Calendar Days



**Job Order Contract  
Contractor's Price Proposal - CSI**


**Date:** August 24, 2011  
**Contract No:** N607197B2-C  
**Job Order No:** PB2011-003.00  
**Job Order Title:** Air Park Bike Path Irrigation  
**Contractor:** Shiff Construction & Development, Inc.  
**Proposal Value:** \$103,355.89  
**Proposal Name:** Air Park Bike Path Irrigation  
**Proposal Submitted:** 08/24/2011

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<b>Subtotal for Section-02:</b>	<b>\$63,621.18</b>
<b>Subtotal for Section-15:</b>	<b>\$14,546.92</b>
<b>Subtotal for Section-16:</b>	<b>\$25,187.79</b>
<b>Price Proposal Total</b>	<b>\$103,355.89</b>


This proposal total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding of the line totals and sub-totals.

**City of Pompano Beach Project Manager:**

  
\_\_\_\_\_  
Robert McCaughan, Public Works Director

8/31/11  
\_\_\_\_\_  
Date

**Contractor - Shiff Construction & Development, Inc.:**

  
\_\_\_\_\_  
Justin Shiff, President

8/31/11  
\_\_\_\_\_  
Date

JOC Job Order Package - PB2011-003.00



**Job Order Contract  
Contractor's Price Proposal - CSI**

**Date:** August 24, 2011  
**Contract No:** N607197B2-C  
**Job Order No:** PB2011-003.00  
**Job Order Title:** Air Park Bike Path Irrigation  
**Contractor:** Shiff Construction & Development, Inc.  
**Proposal Amount:** \$103,355.89  
**Proposal Name:** Air Park Bike Path Irrigation  
**Proposal Submitted:** 08/24/2011

Rec#	Sect.	Item	Mod.	UOM	Description	Line Total
<b>Section-02</b>						
1	02441	0072		EA	2" (50mm) Electric Valve, Plastic Construction With Pressure Regulator And Scrubber Valve Operating Range Flow: 20 To 200 GPM Operating Range Pressure: 20 To 200 PSI Operating Range Pressure Regulation: 15 To 100 PSI	\$9,730.49
					Quantity                      Unit Price                      Factor                      Total	
				Installation	34.00      x                      249.10      x                      1.1489      =	\$9,730.49
					Approximately (34) Rainbird PESB electric valves	
2	02441	0089		EA	12" (30cm) Square Controller Valve Boxes	\$3,173.45
					Quantity                      Unit Price                      Factor                      Total	
				Installation	34.00      x                      81.24      x                      1.1489      =	\$3,173.45
					Approximately (34) valve boxes required for approximately (34) PESB electric valves.	
3	02441	0107		EA	24 Station Dual Program Computer Controller, Station Time: 0-60 Minutes Or 0-6 Hours. Automatic Starts: On Any Quarter Hour, Up To 3 Per Day For Each Program; Up To 6 Per Day Using Dual Program Capability Programming. Schedule: Based On 14-Day Cycle For Every Day, Every Other Day Starts For Two Week Period.	\$6,612.00
					Quantity                      Unit Price                      Factor                      Total	
				Installation	1.00      x                      5,755.07      x                      1.1489      =	\$6,612.00
					24 station controller. Should 36 stations be required, 1 additional module will be needed.	
4	02464	0300		LF	4" (10 cm) Diameter SDR 21 PVC Pressure Pipe, Class 200	\$35,032.26
					Quantity                      Unit Price                      Factor                      Total	
				Installation	6,300.00      x                      4.84      x                      1.1489      =	\$35,032.26
					Approximately 6,300 LF of 4" Schedule 200 pipe required to service park. City crews to run laterl lines and provide and install all heads.	
5	02MOD	0300	0259		For Quantities > 1000, (> 305m), Deduct	-\$796.19
					Quantity                      Unit Price                      Factor                      Total	
				Installation	6,300.00      x                      -0.11      x                      1.1489      =	-\$796.19
					'Approximately 6,300 LF of 4" Schedule 200 pipe required to service park. City crews to run laterl lines and provide and install all heads.'	
6	02MOD	0300	0260		For Coloring Of PVC Pipe For Reclaimed Water Identification, Add	\$4,921.89
					Quantity                      Unit Price                      Factor                      Total	
				Installation	6,300.00      x                      0.68      x                      1.1489      =	\$4,921.89
					'Approximately 6,300 LF of 4" Schedule 200 pipe required to service park. City crews to run laterl lines and provide and install all heads.'	
7	02464	0338		EA	4" (10 cm) Diameter SDR 21 PVC Tee Or Wye, Class 200	\$2,500.40
					Quantity                      Unit Price                      Factor                      Total	
				Installation	34.00      x                      64.01      x                      1.1489      =	\$2,500.40
					(1) 4" x 2" tee at each valve - 34 valves/tees total.	

**JOC Job Order Package - PB2011-003.00**

Contractor's Price Proposal - CSI Detail Continues..

Job Order Number: PB2011-003.00

Job Order Title: Air Park Bike Path Irrigation

Rec#	Sect.	Item	Mod.	UOM	Description	Line Total	
<b>Section-02</b>							
8	02556	0105		EA	2" Gate Valve, Bronze, Threaded	\$2,446.88	
					Installation		
				Quantity	Unit Price	Factor	Total
				34.00	62.64	1.1489	\$2,446.88
				x	x	=	
<b>Subtotal for Section-02:</b>						<b>\$63,621.18</b>	
<b>Section-15</b>							
9	15064	0340		LF	2" Pipe Schedule 40 PVC Socket Weld	\$2,687.51	
					Installation		
				Quantity	Unit Price	Factor	Total
				680.00	3.44	1.1489	\$2,687.51
				x	x	=	
Approximately 680 LF Schedule 40 sleeves required under all asphalt and concrete areas for direct burial wire.							
10	15064	0345		LF	8" Pipe Schedule 40 PVC Socket Weld	\$11,859.41	
					Installation		
				Quantity	Unit Price	Factor	Total
				680.00	15.18	1.1489	\$11,859.41
				x	x	=	
Approximately 680 LF Schedule 40 sleeves required for 4" mainline. Sleeves required to be twice the size of pipe serving.							
<b>Subtotal for Section-15:</b>						<b>\$14,546.92</b>	
<b>Section-16</b>							
11	16120	0636		MLF	2 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	\$25,187.79	
					Installation		
				Quantity	Unit Price	Factor	Total
				30.00	730.78	1.1489	\$25,187.79
				x	x	=	
Direct burial control wire installed with main line.							
<b>Subtotal for Section-16:</b>						<b>\$25,187.79</b>	
<b>Price Proposal Total</b>						<b>\$103,355.89</b>	

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JOC Job Order Package - PB2011-003.00



Job Order Contract  
Detailed Scope of Work

Date: August 24, 2011 12:05 pm  
Job Order No: PB2011-003.00  
Job Order Title: Air Park Bike Path Irrigation  
Location: City of Pompano Beach  
Brief Scope: Provide layout and construction services to install new irrigation system at Air Park Bike Path.

Preliminary

Final

The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work:

**General**

1. Obtain all necessary and applicable permits.
2. Dispose of all construction debris.
3. Provide daily clean-up, and conduct clean-up more frequently if necessary to keep the work area safe and clean.
4. All work to be performed during normal working hours.
5. Any costs associated with incidental scope documentation for permitting are included in the Contractor's Adjustment Factors. Any costs associated with signed and stamped drawings (if required) will be included in a Supplemental Job Order Price Proposal using the appropriate line items for professional fees.

**Irrigation Installation**

Contractor shall provide layout and all labor, material and equipment to furnish and install the main lines, control valves, and associated sleeves and wiring, for a reclaimed water irrigation system, in which the City of Pompano Beach will tie into and complete with heads, bubblers, etc.. Work to be performed at the Air Park Bike Path to include, but not limited to excavation and backfill, underground piping, control valves and boxes, associated electrical, and specifically provide the following:

1. Contractor shall provide a detailed contractor-prepared drawing sufficient for permitting with the City of Pompano Beach Building Department. Although not required to be signed and sealed, this drawing shall show location of source of water, backflow protection, size of all piping, and head/bubbler locations.
2. Irrigation lines, solenoid and manual gate valves, 24 station dual program computer controller, and valve boxes along approximately 1.3 miles of bike path to sufficiently water 500 proposed trees. Irrigation Heads and Bubblers are *excluded* from this proposal.
3. N.B. Fittings are included on the lower 4" pipe.
4. Re-use available irrigation system when possible. Tie into existing irrigation system.
5. Restore area after completion of installation and inspections. The contractor installed lines, sleeves, control valves, valve boxes, and wiring *will be* backfilled once inspected and complete to ensure public safety.

**Work Order Completion Time: 105 Calendar Days**

**Liquidated Damages: Liquidated damages will not apply**

**Wage Determination: None**

Owner/Contractor Signatures:

JOC Job Order Package - PB2011-003.00


Detailed Scope of Work continues..

Job Order Number: PB2011-003.00

Job Order Title: Air Park Bike Path Irrigation

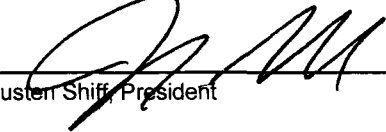
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City of Pompano Beach Project Manager:

  
\_\_\_\_\_  
Robert McCaughan, Public Works Director

8/31/11  
\_\_\_\_\_  
Date

Contractor - Shiff Construction & Development, Inc.:

  
\_\_\_\_\_  
Justin Shiff, President

8/31/11  
\_\_\_\_\_  
Date

JOC Job Order Package - PB2011-003.00



**THE  
GORDIAN  
GROUP**

***Job Order Contracting System License Fees***

**City of Pompano Beach**

Pursuant to the conditions set forth under the agreement between The Gordian Group, Inc. and the City of Pompano Beach, The Gordian Group, Inc. requests a purchase order for the following amount:

**\$5,167.79**

<b>Job Order Title:</b>	Air Park Bike Path Irrigation
<b>Job Order Number:</b>	PB2011-003.00
<b>JOC Contractor:</b>	Shiff Construction & Development, Inc.
<b>Job Order Amount:</b>	\$103,355.89
<b>License Fee % Due:</b>	5%
<b>License Fee \$ Due:</b>	\$5,167.79

Sincerely,

Joie Zambito  
The Gordian Group, Inc.