

Agenda Item is over 50 pages; may be  
viewed in the Minutes Department

Agenda Item #: 3-C-6

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

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<b>Meeting Date:</b> September 12, 2017	<input checked="" type="checkbox"/> Consent	<input type="checkbox"/> Regular
	<input type="checkbox"/> Ordinance	<input type="checkbox"/> Public Hearing

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

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**EXECUTIVE BRIEF**

**Motion and Title:** Staff recommends motion to approve: a contract with Johnson-Davis, Inc. (JDI) in the amount of \$849,298 for the construction of Kirk Road over Lake Worth Drainage District L-5 Canal (Project).

**SUMMARY:** Approval of this contract will allow Palm Beach County (County) to issue a notice to proceed to JDI, a Palm Beach County based company, to begin construction of the project. The work consists of the demolition and removal of an existing corrugated metal pipe crossing on Kirk Road at the Lake Worth Drainage District L-5 Canal. The existing crossing will be replaced with a reinforced concrete pipe culvert crossing. The project includes paving and pathway improvements on Kirk Road from south of the L-5 Canal to north of the L-5 Canal. Utility relocations and minor drainage improvements are also included. The Small Business Enterprise (SBE) goal for all contracts is 15%. The lowest responsive, responsible bidder, JDI, committed to 23.6% SBE participation. District 2 (LBH)

**Background and Justification:** Bids for the Project were received by the Engineering Department on June 6, 2017. Time to complete all work under this contract shall be 150 calendar days.

**Attachments:**

1. Location Map
2. Contracts (3)
3. Contract Pages C-1 and C-2
4. SBE Evaluation Letter
5. Bid Tabulation
6. Palm Beach County Water Utilities Agreement with Exhibits A & B

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Recommended by: 

Department Director

Date

9/10/17

Approved by: 

Assistant County Administrator

Date

9/18/17

## II. FISCAL IMPACT ANALYSIS

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

Fiscal Years	2017	2018	2019	2020	2021
Capital Expenditures	\$ 844,939	-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	\$ 844,939	-0-	-0-	-0-	-0-
# ADDITIONAL FTE					
POSITIONS (Cumulative)					

Is Item Included in Current Budget? Yes X No

### Budget Account No:

Fund 3500 Dept 361 Unit 1865 Object 6551/6555 \$844,939.00  
Fund 4011 Dept 721 Unit W007 Object 6543 \$ 98,795.00

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

Transportation Improvement Fund  
Kirk Road Bridge over LWDD L-5 Canal, Bridge Replacement  
Capital Improvements  
Utility Line Relocations-County Road Projects  
Construction Contract \$ 849,298.00  
Contingency \$ 25,478.44  
Testing Lab \$ 6,000.00  
Traffic Striping & Signage \$ 2,057.56  
Staff Costs -  
Roadway Production \$ 16,800.00  
Survey Section \$ 8,400.00  
Construction Coordination \$ 33,700.00  
Traffic \$ 2,000.00  
Total Project Costs \$ 943,734.00  
Reimbursable Utility Work  
Palm Beach County Water Utilities Dept. (\$ 98,795.00)  
Fiscal Impact \$ 844,939.00

### C. Departmental Fiscal Review:

## III. REVIEW COMMENTS

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

Jed A. McL 8/15/17  
OFMB 8/15

Dr. J. Garbaf 8/17/17  
Contract Dev. and Control 8/17/17

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

M. B. Heman 8/17/17  
Assistant County Attorney

### C. Other Department Review:

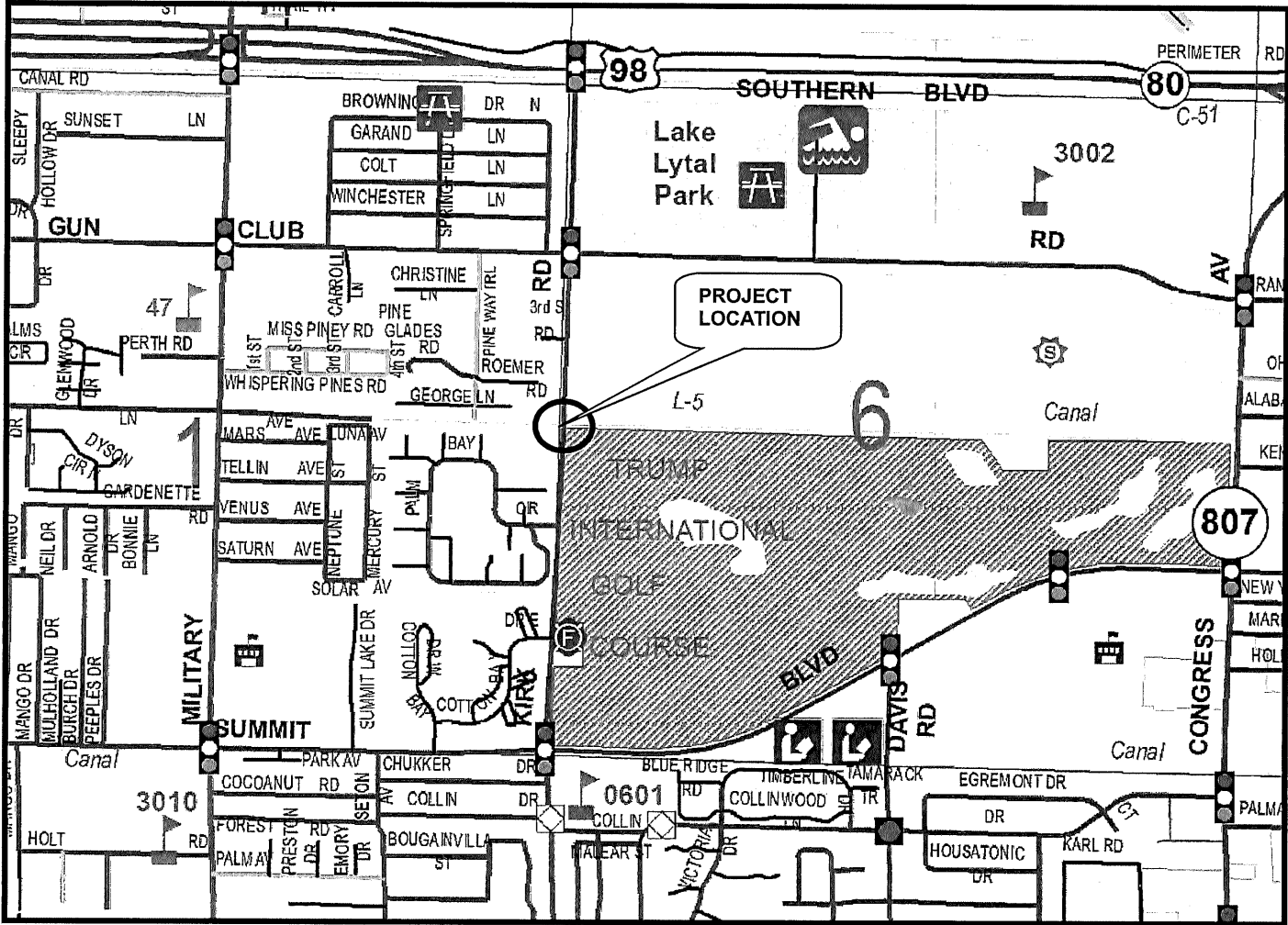
\_\_\_\_\_  
Department Director

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

PROJECT LOCATION

KIRK ROAD OVER LWDD L-5 CANAL

PALM BEACH COUNTY PROJECT NO. 2015506



LOCATION MAP

**CONTRACT**

STATE OF FLORIDA                    )  
  
  ) SS  
  
COUNTY OF PALM BEACH )

This Contract, made this \_\_\_\_ day of \_\_\_\_\_, A.D. 20\_\_\_\_, by and between PALM BEACH COUNTY, a Political Subdivision of the State of Florida, (hereinafter “County”), and Johnson-Davis Inc. of Lake Worth, Florida, and their heirs, executors, administrators and assigns, (hereinafter “Contractor”):

WITNESSETH: The Contractor agrees with the County, for the consideration herein mentioned at their own proper cost and expense to do all the work and furnish all necessary labor, materials, equipment, machinery, tools, apparatus, services, state workmen’s compensation and unemployment compensation taxes incurred in the performance of the contract, and means of transportation for the complete construction of:

**PROJECT NAME: KIRK ROAD OVER LWDD L-5 CANAL**

**PROJECT NO.: 2015506**

IN THE AMOUNT OF:  
EIGHT HUNDRED FORTY NINE THOUSAND, TWO HUNDRED NINETY EIGHT DOLLARS  
00/100

\_\_\_\_\_  
(IN WORDS)  
\$849,298.00  
(IN FIGURES)

in Palm Beach County, Florida, in the manner and to the full extent as set forth in the Contract Documents therefore and the Contract Documents relative thereto, are made a part of this Agreement as completely as if set forth herein, to the satisfaction of the County, or its duly authorized representative.

The Contractor further agrees for the consideration herein mentioned to commence the work with adequate forces and equipment within fourteen (14) calendar days of the date set forth in the "Notice to Proceed". The time limit for the completion of all work under this contract shall be one hundred fifty (150) calendar days, (see Special Provisions). The date fixing this period upon the calendar shall be established and stated in the "Notice to Proceed". After commencement of the work, it shall be properly dispatched toward completion, to the satisfaction of the Engineer, and shall be fully completed within the time limit. It is understood and agreed that the time limit for completion of said work is the essence of the contract and should the Contractor fail to complete the work within the time limit, it is agreed that for such calendar day that any work provided for in these Contract Documents shall remain incomplete after the time limit has expired, including any official extension of the time limit; the sum per day given in the contained schedules shall be deducted from monies due the Contractor, not as a penalty, but as liquidated damages (in accordance with Section 8-10.2 of the Standard Specifications) and added expense for supervision.

CONTRACT

The Contractor shall take into account all contingent work which has to be done by other parties arising from any cause whatsoever, and shall not plead his want of knowledge of such contingent work as an excuse for delay in his work, or for its non-performance.

IN WITNESS WHEREOF, the parties have caused this Contract to be executed and sealed the day and year first written above.

ATTEST:

SHARON R. BOCK,  
Clerk & Comptroller

PALM BEACH COUNTY, FLORIDA, a  
Political Subdivision of the  
State of Florida

BOARD OF COUNTY COMMISSIONERS

By: \_\_\_\_\_  
Deputy Clerk

By: Paulette Burdick, Mayor

APPROVED AS TO FORM  
AND LEGAL SUFFICIENCY

APPROVED AS TO TERMS  
AND CONDITIONS

\_\_\_\_\_  
(witness signature)

JOHNSON-DAVIS INCORPORATED  
(Corporate Name)

CHRIS JOHNSON  
(witness name printed)

a FLORIDA corporation  
(insert state of incorporation)

\_\_\_\_\_  
(witness signature)

By: \_\_\_\_\_  
(signature)

LORIS DITTA PELKEY  
(witness name printed)

SCOTT JOHNSON  
(print signatory's name)

Its PRESIDENT  
(print title)

\_\_\_\_\_  
(date)

(Corporate Seal)



Office of  
Small Business Assistance  
50 South Military Trail, Suite 202  
West Palm Beach, FL 33415  
(561) 616-6840  
Fax: (561) 616-6850  
www.pbcgov.com/osba



Palm Beach County  
Board of County  
Commissioners  
  
Paulette Burdick, Mayor  
Melissa McKinlay, Vice Mayor  
  
Hal R. Valeche  
Dave Kerner  
Steven L. Abrams  
Mary Lou Berger  
Mack Bernard

County Administrator  
Verdenia C. Baker

"An Equal Opportunity  
Affirmative Action Employer"

**DATE:** June 16, 2017  
**TO:** Holly B. Knight, P.E., Contracts Section Manager  
**THROUGH:** Allen Gray, Manager *A. Gray*  
Office of Small Business Assistance  
**FROM:** Angela D. Smith, Small Business Development Specialist  
Office of Small Business Assistance *A. Smith*  
**SUBJECT:** Compliance Review on Project No. 2015506  
Kirk Road over LWDD L-5 Canal

The following is a Compliance Review of SBE participation on the above-mentioned project. The Bid Opening date was June 6, 2017. SBE participation is calculated on the Amount Less Contingency.

<b>Bidder #1:</b>	Johnson-Davis, Inc. 604 Hillbrath Drive Lantana, FL 33462	
Phone:	561-588-1170	
Bid Amount:	\$849,298.00	
<b>Amount Less Contingency:</b>	<b>\$844,798.00</b>	
Goal:	15% Overall	
<b>Goal Achieved:</b>	<b>23.6 %</b>	
<b><u>SBE Participation:</u></b>		
(WB)R&D PAVING, LLC	\$159,754.00	18.9 %
(SB)DRAWDY CONSTRUCTION CO., INC.	<u>\$ 39,980.00</u>	<u>4.7%</u>
	<b>\$199,734.00</b>	<b>23.6%</b>

<b>Bidder #2:</b>	Foster Marine Contractors, Inc. 3180 Fairlane Farms Road, Suite 1 Wellington, FL 33414
Phone:	561-683-0034
Bid Amount:	\$965,860.35
<b>Amount Less Contingency:</b>	<b>\$955,860.35</b>
Goal:	15%
<b>Goal Achieved:</b>	<b>15%</b>



**SBE Participation:**

(SB) FINE- LINE STRIPING	\$8,500.00	.8%
(MWB) E&N CONSTRUCTION, INC.	\$122,000.00	12.7%
(SB) ENGENUITY GROUP, INC.	<u>\$15,000.00</u>	<u>1.5%</u>
	<b>\$145,500.00</b>	<b>15%</b>

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**EVALUATION:**

Bidder 1, **Johnson-Davis, Inc.**, has achieved the SBE goal for this project.

KIRK ROAD OVER LWDD L-5 CANAL PALM BEACH COUNTY PROJECT NO. 2015506				AVERAGE OF BID ITEMS	ENGINEERS ESTIMATE	Johnson-Davis, Inc.		Foster Marine Contractors, Inc.	
ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
<b>ROADWAY ITEMS</b>									
1	Mobilization	1	LS	\$ 70,500.00	\$ 50,000.00	\$ 26,000.00	\$ 26,000.00	\$ 115,000.00	\$ 115,000.00
2	Maintenance of Traffic ( incl. Pedestrian M.O.T. )	1	LS	\$ 63,500.00	\$ 19,653.92	\$ 60,000.00	\$ 60,000.00	\$ 67,000.00	\$ 67,000.00
3	Clearing and Grubbing	1	LS	\$ 28,000.00	\$ 12,100.00	\$ 26,000.00	\$ 26,000.00	\$ 30,000.00	\$ 30,000.00
4	Demolish & Remove Existing Culvert	1	LS	\$ 12,750.00	\$ 15,000.00	\$ 8,500.00	\$ 8,500.00	\$ 17,000.00	\$ 17,000.00
5	Regular Excavation	2,937	CY	\$ 8.50	\$ 4.86	\$ 7.00	\$ 20,559.00	\$ 10.00	\$ 29,370.00
6	Embankment (Compacted in Place)	1,707	CY	\$ 17.50	\$ 7.96	\$ 24.00	\$ 40,968.00	\$ 11.00	\$ 18,777.00
7	Type B Stabilization (LBR 40) (12")	603	SY	\$ 19.75	\$ 3.32	\$ 20.00	\$ 12,060.00	\$ 19.50	\$ 11,758.50
8	Optional Base Group 4 Pathway	465	SY	\$ 23.00	\$ 55.00	\$ 30.00	\$ 13,950.00	\$ 16.00	\$ 7,440.00
9	Optional Base Group 7	525	SY	\$ 29.75	\$ 38.77	\$ 32.00	\$ 16,800.00	\$ 27.50	\$ 14,437.50
10	Optional Base Group 13	656	SY	\$ 41.75	\$ 55.17	\$ 50.00	\$ 32,800.00	\$ 33.50	\$ 21,976.00
11	Mill Existing Asphalt Pavement (1.0")	1,623	SY	\$ 5.75	\$ 2.24	\$ 6.00	\$ 9,738.00	\$ 5.50	\$ 8,926.50
13	Superpave Asphalt Concrete (Traffic Level C) (1.5")	92	TN	\$ 175.00	\$ 91.00	\$ 180.00	\$ 16,560.00	\$ 170.00	\$ 15,640.00
14	Superpave Asphalt Concrete (Traffic Level C) ( 1.25" ) Pathway	28	TN	\$ 275.00	\$ 110.00	\$ 250.00	\$ 7,000.00	\$ 300.00	\$ 8,400.00
15	Asph. Concrete Friction Course ( 1.0" ) ( FC-9.5 )	140	TN	\$ 215.00	\$ 95.31	\$ 250.00	\$ 35,000.00	\$ 180.00	\$ 25,200.00
16	Class IV Concrete (Endwall)	48	CY	\$ 1,750.00	\$ 749.77	\$ 2,000.00	\$ 96,000.00	\$ 1,500.00	\$ 72,000.00
17	Reinforcing Steel	5,869	LB	\$ 1.83	\$ 1.10	\$ 2.00	\$ 11,738.00	\$ 1.65	\$ 9,683.85
18	Inlet ( Ditch Bottom ) ( Type C )	4	EA	\$ 3,750.00	\$ 4,500.00	\$ 3,000.00	\$ 12,000.00	\$ 4,500.00	\$ 18,000.00
19	Inlet ( Ditch Bottom ) ( Type C ) (Alt A, 5' dia)	2	EA	\$ 7,000.00	\$ 6,500.00	\$ 6,500.00	\$ 13,000.00	\$ 7,500.00	\$ 15,000.00
20	Inlet ( Ditch Bottom ) ( Type D )	2	EA	\$ 5,500.00	\$ 6,000.00	\$ 5,500.00	\$ 11,000.00	\$ 5,500.00	\$ 11,000.00
21	Manhole ( Type J-7 ) ( 9' x 6' ) >10'	1	EA	\$ 14,500.00	\$ 15,215.77	\$ 13,000.00	\$ 13,000.00	\$ 16,000.00	\$ 16,000.00
22	Pipe Culvert (Storm) ( 18" )	269	LF	\$ 93.50	\$ 45.22	\$ 90.00	\$ 24,210.00	\$ 97.00	\$ 26,093.00
23	Pipe Culvert (Storm) ( 24" )	353	LF	\$ 100.00	\$ 69.81	\$ 100.00	\$ 35,300.00	\$ 100.00	\$ 35,300.00
24	Pipe Culvert (Storm) ( 36" )	106	LF	\$ 175.00	\$ 114.22	\$ 200.00	\$ 21,200.00	\$ 150.00	\$ 15,900.00
25	Concrete Pipe Culvert ( 72" )	100	LF	\$ 525.00	\$ 425.00	\$ 500.00	\$ 50,000.00	\$ 550.00	\$ 55,000.00
26	Pipe Guiderail ( Steel ) (FDOT Index 852)	36	LF	\$ 160.00	\$ 63.30	\$ 120.00	\$ 4,320.00	\$ 200.00	\$ 7,200.00
27	Rip-Rap ( Rubble )	204	TN	\$ 137.50	\$ 78.87	\$ 125.00	\$ 25,500.00	\$ 150.00	\$ 30,600.00
28	Bedding Stone (Sect. 530)	110	TN	\$ 105.00	\$ 64.50	\$ 110.00	\$ 12,100.00	\$ 100.00	\$ 11,000.00
29	Sodding	2,500	SY	\$ 6.75	\$ 3.15	\$ 8.00	\$ 20,000.00	\$ 5.50	\$ 13,750.00
<b>SUBTOTAL (ROADWAY)</b>							<b>\$ 675,303.00</b>		<b>\$ 727,452.35</b>



KIRK ROAD OVER LWDD L-5 CANAL				AVERAGE OF BID ITEMS	ENGINEERS ESTIMATE	Johnson-Davis, Inc.		Foster Marine Contractors, Inc.	
PALM BEACH COUNTY PROJECT NO. 2015506									
ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
<b>CONTINGENCY ITEMS</b>									
30	Support & Protect Fibernet Cable (PBC ISS 48 FO SM)	50	LF	\$ 30.00	\$ 16.00	\$ 20.00	\$ 1,000.00	\$ 40.00	\$ 2,000.00
31	Support & Protect Fibernet Cable (PBC ISS 48 FO SM)	50	LF	\$ 30.00	\$ 16.00	\$ 20.00	\$ 1,000.00	\$ 40.00	\$ 2,000.00
32	Support & Protect AT&T Conduit (3" IP)	50	LF	\$ 32.50	\$ 16.00	\$ 25.00	\$ 1,250.00	\$ 40.00	\$ 2,000.00
33	Adjust AT&T Conduit (3" IP)	50	LF	\$ 52.50	\$ 32.00	\$ 25.00	\$ 1,250.00	\$ 80.00	\$ 4,000.00
<b>SUBTOTAL (CONTINGENCY)</b>							<b>\$ 4,500.00</b>		<b>\$ 10,000.00</b>
<b>WATER UTILITY ITEMS (Force Main)</b>									
34	10" CIP Force Main Aerial Crossing Removal	1	EA	\$ 3,000.00	\$ 10,000.00	\$ 2,500.00	\$ 2,500.00	\$ 3,500.00	\$ 3,500.00
35	10" DIP Force Main	123	LF	\$ 205.00	\$ 59.91	\$ 160.00	\$ 19,680.00	\$ 250.00	\$ 30,750.00
36	10" Gate Valve & Valve Box	2	EA	\$ 2,350.00	\$ 2,005.00	\$ 2,500.00	\$ 5,000.00	\$ 2,200.00	\$ 4,400.00
37	Furnish & Install 10" DIP Fittings w/Joint Restraint	0.5	TN	\$ 13,750.00	\$ 9,000.00	\$ 8,000.00	\$ 4,160.00	\$ 19,500.00	\$ 10,140.00
38	2" Air Release Valve Pressure Gauge w/ Double Strap Saddle & Corporation Stop Welded on Outlet, 10"	1	EA	\$ 4,250.00	\$ 3,300.00	\$ 3,000.00	\$ 3,000.00	\$ 5,500.00	\$ 5,500.00
39	Connect to Existing 10" Force Main	2	EA	\$ 2,500.00	\$ 2,800.00	\$ 3,000.00	\$ 6,000.00	\$ 2,000.00	\$ 4,000.00
40	12" AC Force Main Removal	149	LF	\$ 21.00	\$ 46.00	\$ 15.00	\$ 2,235.00	\$ 27.00	\$ 4,023.00
41	12" DIP Force Main	174	LF	\$ 240.00	\$ 96.36	\$ 200.00	\$ 34,800.00	\$ 280.00	\$ 48,720.00
42	12" Gate Valve & Valve Box	2	EA	\$ 3,100.00	\$ 3,455.00	\$ 3,500.00	\$ 7,000.00	\$ 2,700.00	\$ 5,400.00
43	Furnish & Install 12" DIP Fittings w/Joint Restraint	1.3	TN	\$ 13,750.00	\$ 9,000.00	\$ 8,000.00	\$ 10,400.00	\$ 19,500.00	\$ 25,350.00
44	2" Air Release Valve Pressure Gauge w/ Double Strap Saddle & Corporation Stop Welded on Outlet, 12"	1	EA	\$ 4,250.00	\$ 3,300.00	\$ 3,000.00	\$ 3,000.00	\$ 5,500.00	\$ 5,500.00
45	Connect to Existing 12" Force Main	2	EA	\$ 2,500.00	\$ 2,800.00	\$ 3,000.00	\$ 6,000.00	\$ 2,000.00	\$ 4,000.00
46	Fan Guard w/ Support Struts	2	EA	\$ 6,250.00	\$ 6,000.00	\$ 6,000.00	\$ 12,000.00	\$ 6,500.00	\$ 13,000.00
47	Concrete Class IV	1.9	CY	\$ 1,625.00	\$ 882.00	\$ 2,000.00	\$ 3,720.00	\$ 1,250.00	\$ 2,325.00
48	18" Prestressed Pile	80	LF	\$ 542.50	\$ 101.00	\$ 500.00	\$ 40,000.00	\$ 585.00	\$ 46,800.00
49	Deflect 12" AC WM around Draiage Structures	1	LS	\$ 8,000.00	\$ 15,000.00	\$ 5,000.00	\$ 5,000.00	\$ 11,000.00	\$ 11,000.00
50	As Built Record Drawings	1	LS	\$ 4,500.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 4,000.00	\$ 4,000.00
<b>SUBTOTAL (WATER UTILITY)</b>							<b>\$ 169,495.00</b>		<b>\$ 228,408.00</b>
<b>TOTAL BID AMOUNT</b>						<b>\$ 849,298.00</b>		<b>\$ 965,860.35</b>	

KIRK ROAD OVER LWDD L-5 CANAL  
PALM BEACH COUNTY PROJECT NO. 2015506

THE ITEMS AND QUANTITIES SHOWN, SHALL GOVERN OVER THE PLANS.  
PAY ITEM FOOTNOTES IN CONSTRUCTION PLANS SHALL ALSO BE INCLUDED IN ITEM UNIT PRICE.

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	Permitting agency pre-construction meetings and notices of commencement; compliance with stormwater pollution prevention plan and stormwater pollution control plan; installation of erosion/turbidity controls including silt fences, inlet protection, inspections and reporting; preparation and submittal of construction completion certifications and required record drawings by a professional engineer and/or land surveyor; utility notifications are considered incidental to mobilization.
4	12" compacted subgrade is considered incidental to the cost of base-rock construction.
5	Prime and tack coats are considered incidental to asphalt construction.
6	Wrapping of filter fabric around all pipe joints per FDOT index no. 280; and cost of coring existing structures for pipe connection is considered incidental to the cost of the pipe.
7	The cost of detectable warning surfaces per FDOT index 304 and base compaction is considered incidental to sidewalk/pathway construction.
8	The costs of transition curbs, flared end sections, straight end sections, curb face engraving and subgrade is considered incidental to curb and/or gutter construction.
9	Contingency items may be increased, decreased or deleted as directed by the engineer.

Working days to complete project: 150 calendar days (See Special Provisions)  
Bids as read at opening on Tuesday, June 6 2017; 2:00 PM  
All bids subject to OSBA SBE compliance and Board Approval.  
Prepared by: Donna Lewis  
Checked by: Holly B. Knight, P.E., Contracts Section Manager



**JUN 27 2017**

**Department of Engineering  
and Public Works**

P.O. Box 21229  
West Palm Beach, FL 33416-1229  
(561) 684-4000  
FAX: (561) 684-4050  
www.pbcgov.com



**Palm Beach County  
Board of County  
Commissioners**

Paulette Burdick, Mayor  
Melissa McKinlay, Vice Mayor  
  
Hal R. Valeche  
Dave Kerner  
Steven L. Abrams  
Mary Lou Berger  
Mack Bernard

**County Administrator**

Verdenia C. Baker

June 20, 2017

Ms. Jackie Michels, P.E.  
Palm Beach County Water Utilities Department  
8100 Forest Hill Boulevard  
West Palm Beach, FL 33413-3336

**RE: Agreement with Palm Beach County Water Utilities Department  
For Funding of Utility Construction  
Kirk Rd. Bridge From S. of LWDD L-5 Canal to N. of LWDD L-5 Canal  
Palm Beach County Project No. 2015506**

Dear Ms. Michels:

The following letter of agreement is to confirm and document the understandings of our previous discussions regarding the above referenced project.

Water Utilities Department has agreed to jointly participate with Palm Beach County Engineering in the construction of Kirk Rd. bridge over LWDD L-5 Canal. Johnson-Davis, Inc. was the lowest responsive, responsible bidder. The contract for \$849,298.00 is anticipated to be awarded by the Board of County Commissioners on August 15, 2017.

Specifically, the Water Utilities budget account noted on page 2 will reflect a total encumbrance of \$98,795.00 which is the summation of the utility construction costs as noted on Exhibits A & B. During construction, Water Utilities account will be charged directly by Engineering based on approved pay applications affecting their account. When the project is completed and "As Built" quantities are established, a final settlement will be made by direct charge or credit by Engineering following specific approval by Water Utilities. *Please note that when the Water Utilities Department decides to complete any of the subject work with its own forces, this same work must be completed in a timely fashion that will not result in any delays to the contractor for the subject project.*



PAGE 2 PROJECTS NO. 2015506 WUD Agreement

If the foregoing is acceptable, please indicate acceptance by signing below and returning the original to our office for processing.

Sincerely,

Omelio A. Fernandez  
Omelio A. Fernandez, P.E., Director  
Roadway Production Division

Tanya N. McConnell 6/22/17  
Tanya N. McConnell, P.E.,  
Deputy County Engineer

Accepted and approved by Palm Beach County Water Utilities this

28<sup>th</sup> day of June, 2017.

Water Utilities account # 4011-721-W007-6543

By J. Nichols  
(SIGNATURE)

Plan Review Mgr.  
(TITLE)

As Authorized Representative for  
Palm Beach County Water Utilities

JACKIE NICHOLS, PE  
(PRINTED NAME)

2/4 SR  
OAF:DLY:SR:

WUD # 17-018

Enclosure: Exhibits "A" and "B"

pc: Tanya N. McConnell, P.E., Deputy County Engineer  
Liz Herman, Assistant County Attorney  
Alice Kovalainen, Fiscal Manager -Administrative Services Division  
Mark Tomlinson, Director, Construction Coordination Division

cc: Omelio A. Fernandez, P.E., Director- Roadway Production Division  
Morton Rose, P.E., Assistant Director – Roadway Production Division  
David L. Young, P.E., Special Project Manager – Roadway Production Division  
Kristine Frazell-Smith, P.E., Local Roads Section Manager-Roadway Production Division  
Chris Dudek, P.E., Project Manager - Roadway Production Division

File: Project # 2015502

F:\ROADWAY\UTILITY COORDINATION\2015506\_Kirk Rd over L-5 Canal\WUD Const Agreement.doc

KIRK ROAD OVER LWDD L-5 CANAL PALM BEACH COUNTY PROJECT NO. 2015506				AVERAGE OF BID ITEMS	ENGINEERS ESTIMATE	Johnson-Davis, Inc.		Foster Marine Contractors, Inc.	
ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
<b>ROADWAY ITEMS</b>									
1	Mobilization	1	LS	\$ 70,500.00	\$ 50,000.00	\$ 26,000.00	\$ 26,000.00	\$ 115,000.00	\$ 115,000.00
2	Maintenance of Traffic ( incl. Pedestrian M.O.T. )	1	LS	\$ 63,500.00	\$ 19,653.92	\$ 60,000.00	\$ 60,000.00	\$ 67,000.00	\$ 67,000.00
3	Clearing and Grubbing	1	LS	\$ 28,000.00	\$ 12,100.00	\$ 26,000.00	\$ 26,000.00	\$ 30,000.00	\$ 30,000.00
4	Demolish & Remove Existing Culvert	1	LS	\$ 12,750.00	\$ 15,000.00	\$ 8,500.00	\$ 8,500.00	\$ 17,000.00	\$ 17,000.00
5	Regular Excavation	2,937	CY	\$ 8.50	\$ 4.86	\$ 7.00	\$ 20,559.00	\$ 10.00	\$ 29,370.00
6	Embankment (Compacted in Place)	1,707	CY	\$ 17.50	\$ 7.96	\$ 24.00	\$ 40,968.00	\$ 11.00	\$ 18,777.00
7	Type B Stabilization (LBR 40) (12")	603	SY	\$ 19.75	\$ 3.32	\$ 20.00	\$ 12,060.00	\$ 19.50	\$ 11,758.50
8	Optional Base Group 4 Pathway	465	SY	\$ 23.00	\$ 55.00	\$ 30.00	\$ 13,950.00	\$ 16.00	\$ 7,440.00
9	Optional Base Group 7	525	SY	\$ 29.75	\$ 38.77	\$ 32.00	\$ 16,800.00	\$ 27.50	\$ 14,437.50
10	Optional Base Group 13	656	SY	\$ 41.75	\$ 55.17	\$ 50.00	\$ 32,800.00	\$ 33.50	\$ 21,976.00
11	Mill Existing Asphalt Pavement (1.0")	1,623	SY	\$ 5.75	\$ 2.24	\$ 6.00	\$ 9,738.00	\$ 5.50	\$ 8,926.50
13	Superpave Asphalt Concrete (Traffic Level C) (1.5")	92	TN	\$ 175.00	\$ 91.00	\$ 180.00	\$ 16,560.00	\$ 170.00	\$ 15,640.00
14	Superpave Asphalt Concrete (Traffic Level C) ( 1.25" ) Pathway	28	TN	\$ 275.00	\$ 110.00	\$ 250.00	\$ 7,000.00	\$ 300.00	\$ 8,400.00
15	Asph. Concrete Friction Course ( 1.0" ) ( FC-9.5 )	140	TN	\$ 215.00	\$ 95.31	\$ 250.00	\$ 35,000.00	\$ 180.00	\$ 25,200.00
16	Class IV Concrete (Endwall)	48	CY	\$ 1,750.00	\$ 749.77	\$ 2,000.00	\$ 96,000.00	\$ 1,500.00	\$ 72,000.00
17	Reinforcing Steel	5,869	LB	\$ 1.83	\$ 1.10	\$ 2.00	\$ 11,738.00	\$ 1.65	\$ 9,683.85
18	Inlet ( Ditch Bottom ) ( Type C )	4	EA	\$ 3,750.00	\$ 4,500.00	\$ 3,000.00	\$ 12,000.00	\$ 4,500.00	\$ 18,000.00
19	Inlet ( Ditch Bottom ) ( Type C ) (Alt A, 5' dia)	2	EA	\$ 7,000.00	\$ 6,500.00	\$ 6,500.00	\$ 13,000.00	\$ 7,500.00	\$ 15,000.00
20	Inlet ( Ditch Bottom ) ( Type D )	2	EA	\$ 5,500.00	\$ 6,000.00	\$ 5,500.00	\$ 11,000.00	\$ 5,500.00	\$ 11,000.00
21	Manhole ( Type J-7 ) ( 9' x 6' ) >10'	1	EA	\$ 14,500.00	\$ 15,215.77	\$ 13,000.00	\$ 13,000.00	\$ 16,000.00	\$ 16,000.00
22	Pipe Culvert (Storm) ( 18" )	269	LF	\$ 93.50	\$ 45.22	\$ 90.00	\$ 24,210.00	\$ 97.00	\$ 26,093.00
23	Pipe Culvert (Storm) ( 24" )	353	LF	\$ 100.00	\$ 69.81	\$ 100.00	\$ 35,300.00	\$ 100.00	\$ 35,300.00
24	Pipe Culvert (Storm) ( 36" )	106	LF	\$ 175.00	\$ 114.22	\$ 200.00	\$ 21,200.00	\$ 150.00	\$ 15,900.00
25	Concrete Pipe Culvert ( 72" )	100	LF	\$ 525.00	\$ 425.00	\$ 500.00	\$ 50,000.00	\$ 550.00	\$ 55,000.00
26	Pipe Guiderail ( Steel) (FDOT Index 852)	36	LF	\$ 160.00	\$ 63.30	\$ 120.00	\$ 4,320.00	\$ 200.00	\$ 7,200.00
27	Rip-Rap ( Rubble )	204	TN	\$ 137.50	\$ 78.87	\$ 125.00	\$ 25,500.00	\$ 150.00	\$ 30,600.00
28	Bedding Stone (Sect. 530)	110	TN	\$ 105.00	\$ 64.50	\$ 110.00	\$ 12,100.00	\$ 100.00	\$ 11,000.00
29	Sodding	2,500	SY	\$ 6.75	\$ 3.15	\$ 8.00	\$ 20,000.00	\$ 5.50	\$ 13,750.00
<b>SUBTOTAL (ROADWAY)</b>							<b>\$ 675,303.00</b>		<b>\$ 727,452.35</b>

KIRK ROAD OVER LWDD L-5 CANAL PALM BEACH COUNTY PROJECT NO. 2015506				AVERAGE OF BID ITEMS	ENGINEERS ESTIMATE	Johnson-Davis, Inc.		Foster Marine Contractors, Inc.	
ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE	UNIT PRICE	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
<b>CONTINGENCY ITEMS</b>									
30	Support & Protect Fibernet Cable (PBC ISS 48 FO SM)	50	LF	\$ 30.00	\$ 16.00	\$ 20.00	\$ 1,000.00	\$ 40.00	\$ 2,000.00
31	Support & Protect Fibernet Cable (PBC ISS 48 FO SM)	50	LF	\$ 30.00	\$ 16.00	\$ 20.00	\$ 1,000.00	\$ 40.00	\$ 2,000.00
32	Support & Protect AT&T Conduit (3" IP)	50	LF	\$ 32.50	\$ 16.00	\$ 25.00	\$ 1,250.00	\$ 40.00	\$ 2,000.00
33	Adjust AT&T Conduit (3" IP)	50	LF	\$ 52.50	\$ 32.00	\$ 25.00	\$ 1,250.00	\$ 80.00	\$ 4,000.00
<b>SUBTOTAL (CONTINGENCY)</b>							\$ 4,500.00		\$ 10,000.00
<b>WATER UTILITY ITEMS (Force Main)</b>									
34	10" CIP Force Main Aerial Crossing Removal	1	EA	\$ 3,000.00	\$ 10,000.00	\$ 2,500.00	\$ 2,500.00	\$ 3,500.00	\$ 3,500.00
35	10" DIP Force Main	123	LF	\$ 205.00	\$ 59.91	\$ 160.00	\$ 19,680.00	\$ 250.00	\$ 30,750.00
36	10" Gate Valve & Valve Box	2	EA	\$ 2,350.00	\$ 2,005.00	\$ 2,500.00	\$ 5,000.00	\$ 2,200.00	\$ 4,400.00
37	Furnish & Install 10" DIP Fittings w/Joint Restraint	0.5	TN	\$ 13,750.00	\$ 9,000.00	\$ 8,000.00	\$ 4,160.00	\$ 19,500.00	\$ 10,140.00
38	2" Air Release Valve Pressure Gauge w/ Double Strap Saddle & Corporation Stop Welded on Outlet, 10"	1	EA	\$ 4,250.00	\$ 3,300.00	\$ 3,000.00	\$ 3,000.00	\$ 5,500.00	\$ 5,500.00
39	Connect to Existing 10" Force Main	2	EA	\$ 2,500.00	\$ 2,800.00	\$ 3,000.00	\$ 6,000.00	\$ 2,000.00	\$ 4,000.00
40	12" AC Force Main Removal	149	LF	\$ 21.00	\$ 46.00	\$ 15.00	\$ 2,235.00	\$ 27.00	\$ 4,023.00
41	12" DIP Force Main	174	LF	\$ 240.00	\$ 96.36	\$ 200.00	\$ 34,800.00	\$ 280.00	\$ 48,720.00
42	12" Gate Valve & Valve Box	2	EA	\$ 3,100.00	\$ 3,455.00	\$ 3,500.00	\$ 7,000.00	\$ 2,700.00	\$ 5,400.00
43	Furnish & Install 12" DIP Fittings w/Joint Restraint	1.3	TN	\$ 13,750.00	\$ 9,000.00	\$ 8,000.00	\$ 10,400.00	\$ 19,500.00	\$ 25,350.00
44	2" Air Release Valve Pressure Gauge w/ Double Strap Saddle & Corporation Stop Welded on Outlet, 12"	1	EA	\$ 4,250.00	\$ 3,300.00	\$ 3,000.00	\$ 3,000.00	\$ 5,500.00	\$ 5,500.00
45	Connect to Existing 12" Force Main	2	EA	\$ 2,500.00	\$ 2,800.00	\$ 3,000.00	\$ 6,000.00	\$ 2,000.00	\$ 4,000.00
46	Fan Guard w/ Support Struts	2	EA	\$ 6,250.00	\$ 6,000.00	\$ 6,000.00	\$ 12,000.00	\$ 6,500.00	\$ 13,000.00
47	Concrete Class IV	1.9	CY	\$ 1,625.00	\$ 882.00	\$ 2,000.00	\$ 3,720.00	\$ 1,250.00	\$ 2,325.00
48	18" Prestressed Pile	80	LF	\$ 542.50	\$ 101.00	\$ 500.00	\$ 40,000.00	\$ 585.00	\$ 46,800.00
49	Deflect 12" AC WM around Draiage Structures	1	LS	\$ 8,000.00	\$ 15,000.00	\$ 5,000.00	\$ 5,000.00	\$ 11,000.00	\$ 11,000.00
50	As Built Record Drawings	1	LS	\$ 4,500.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 4,000.00	\$ 4,000.00
<b>SUBTOTAL (WATER UTILITY)</b>							\$ 169,495.00		\$ 228,408.00
<b>TOTAL BID AMOUNT</b>						<b>\$ 849,298.00</b>		<b>\$ 965,860.35</b>	

KIRK ROAD OVER LWDD L-5 CANAL  
PALM BEACH COUNTY PROJECT NO. 2015506

THE ITEMS AND QUANTITIES SHOWN, SHALL GOVERN OVER THE PLANS.  
PAY ITEM FOOTNOTES IN CONSTRUCTION PLANS SHALL ALSO BE INCLUDED IN ITEM UNIT PRICE.

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	Permitting agency pre-construction meetings and notices of commencement; compliance with stormwater pollution prevention plan and stormwater pollution control plan; installation of erosion/turbidity controls including silt fences, inlet protection, inspections and reporting; preparation and submittal of construction completion certifications and required record drawings by a professional engineer and/or land surveyor; utility notifications are considered incidental to mobilization.
4	12" compacted subgrade is considered incidental to the cost of base-rock construction.
5	Prime and tack coats are considered incidental to asphalt construction.
6	Wrapping of filter fabric around all pipe joints per FDOT index no. 280; and cost of coring existing structures for pipe connection is considered incidental to the cost of the pipe.
7	The cost of detectable warning surfaces per FDOT index 304 and base compaction is considered incidental to sidewalk/pathway construction.
8	The costs of transition curbs, flared end sections, straight end sections, curb face engraving and subgrade is considered incidental to curb and/or gutter construction.
9	Contingency items may be increased, decreased or deleted as directed by the engineer.

Working days to complete project: 150 calendar days (See Special Provisions)  
Bids as read at opening on Tuesday, June 6 2017; 2:00 PM  
All bids subject to OSBA SBE compliance and Board Approval.  
Prepared by: Donna Lewis  
Checked by: Holly B. Knight, P.E., Contracts Section Manager

**EXHIBIT "B"**

**Water Utilities Department (WUD)**

**PROJECT NAME:** Kirk Rd. Bridge over LWDD L-5 Canal

**PROJECT NUMBER:** 2015506

**CONTRACTOR:** Johnson- Davis, Inc.

ITEM		QUANTITY /UNITS	UNIT PRICE	AMOUNT
WUD REGULAR ITEMS				
40	12" AC Force Main Removal	149 LF	\$15.00	\$2,235.00
41	12" DIP Force Main	174 LF	\$200.00	\$34,800.00
42	12" Gate Valve & Valve Box	2 EA	\$3,500.00	\$7,000.00
43	Furnish & Install 12" DIP Fittings w/Joint Restraint	1.3 TN	\$8,000.00	\$10,400.00
44	2" Air Release Valve Pressure Gauge w/ Double Strap Saddle & Corporation Stop Welded on Outlet, 12"	1 EA	\$3,000.00	\$3,000.00
45	Connect to Existing 12" Force Main	2 EA	\$3,000.00	\$6,000.00
*46	Fan Guard w/ Support Struts	1 EA	\$6,000.00	\$6,000.00
*47	Concrete Class IV	.95 CY	\$2,000.00	\$1,860.00
*48	18" Prestressed Pile	40 LF	\$500.00	\$20,000.00
49	Deflect 12" AC WM around Drainage Structures	1 LS	\$5,000.00	\$5,000.00
*50	As Built Record Drawings	1 LS	\$5,000.00	\$2,500.00
WUD SUBTOTAL				<u>\$98,795.00</u>

\*line items quantity divided in half between Palm Beach County Engineering and Water Utilities Department.