



CITY COUNCIL AGENDA ITEM

REQUESTED COUNCIL MEETING DATE 08/18/09

SUBJECT: B-19 Canal at Willow Run Boulevard Emergency Utility Repair Bid Award, Bid #B09-17

DEPARTMENT: Public Utilities

RECOMMENDED MOTION: Approve the bid award for the B-19 Canal at Willow Run Boulevard Emergency Utility Repair Project, B-09-17, to Masci Construction, in the amount of \$159,474 and to authorize the Mayor and City Manager to sign and execute all required contract documents.

SUMMARY: In May of this year our City experienced a devastating rainfall event, 30" of rainfall in 5 days. This caused a significant blockage underneath the Willow Run Bridge caused canal banks to erode and concrete armoring to give way and all three aerial utility crossing foundation supports to be significantly undermined and close to failure.

At that time an emergency purchase order was issued to Scott Construction, in order that they might begin immediately to replace the existing 16" sewer force main and remove a 12" potable water main, and also repair the canal bank immediately north of the Willow Run Bridge. That work is now completed in addition to the temporary shoring up of our singular remaining 30" raw water main aerial crossing of the B-19 Canal.

This project before you today is the second half of this utility repair project. It has been designed, permitted, and placed out for bid during these past two short months. Our consultants, Quentin Hampton and Associates, in consultation with city staff, prepared construction documents ect. to replace the 12" potable water main that was previously removed in early June and to also remove and replace the 30" raw water main which is now only temporarily supported with helical pile foundations. Bids for construction of these additional repairs / replacements were publicly advertised and six bids were opened on August 4, 2009. After evaluation of all of the bids received we have determined that Masci Construction is the lowest responsive bidder.

We request your approval in awarding this contract to Masci Construction in the amount of \$159,474 at this time so that the necessary repairs may be completed in a timely manner. Funding for this project is currently available in the B-19 Canal - Misc. Utility Coordination , CIP - # URL-007.

ATTACHMENTS: Ordinance Resolution Budget Resolution
 Other Support Documents/Contracts Available for Review in Public Utilities Office

DEPARTMENT HEAD	<i>[Signature]</i>	Fred W. Griffith, P.E.	<i>[Signature]</i>	Date	8/15/09
FINANCE DEPARTMENT	<i>[Signature]</i>	Approved as to Budget Requirements	<i>[Signature]</i>	Date	8/16/09
CITY ATTORNEY	N/A	Approved as to Form and Legality	<i>[Signature]</i>	Date	
CITY MANAGER	<i>[Signature]</i>	Approved Agenda Item For:			8/18/09

COUNCIL ACTION: Approved as Recommended Disapproved Tabled Indefinitely
 Continued to Date Certain Approved with Modification:

RICHARD W. FERNANDEZ, P.E.
MARK A. HAMPTON, P.E.
BRAD T. BLAIS, P.E.
DAVID A. KING, P.E.
ANDREW M. GIANNINI, P.E.

Quentin L. Hampton Associates, Inc.
Consulting Engineers
P.O. DRAWER 290247
PORT ORANGE, FLORIDA 32129-0247

TELEPHONE: (386) 761-6610
FAX: (386) 761-3977
EMAIL: qlha@qlha.com

August 5, 2009

Fred Griffith, P.E.
Public Utilities Engineer
City of Port Orange
1000 City Center Circle
Port Orange FL, 32129

**CITY OF PORT ORANGE
B-19 CANAL AT WILLOW RUN BOULEVARD EMERGENCY UTILITY REPAIR
BID NO. B-09-17**

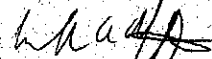
Dear Mr. Griffith;

A total of 13 bidders obtained project plans and specifications and six bidders submitted bids at the 2:30 p.m. Tuesday, August 4, 2009 bid opening. A copy of the certified bid tabulation is attached for your use. As requested by the City we evaluated the three low bidders Masci Corporation, J.D. Weber Construction and R.A. Scott Construction. All three low bidders are local firms with numerous successfully completed previous projects with the City and, thus all are qualified in our opinion to accomplish the work.

It is recommended that the low bidder Masci Corporation be awarded the project in the amount of \$159,473.55.

Should you have any questions or require additional information please feel free to contact our office.

Sincerely,
QUENTIN L. HAMPTON ASSOCIATES, INC.


Mark A. Hampton, P.E.
President

MAH:ah

Cc: Bobbi Palmer

Enclosure: Certified Bid Tabulation

PO216 Bid Tab Award ah

**CITY OF PORT ORANGE
 B-19 CANAL AT WILLOW RUN BOULEVARD EMERGENCY UTILITY REPAIR
 BID NO. B-09-17
 CERTIFIED BID TABULATION SUMMARY**

Engineers Certification
 I hereby certify that this is a true and correct tabulation of the bids received. If applicable, unit prices were assumed to prevail in correcting any mathematical errors made by bidders. Owner may choose to award bid based upon original submitted totals.

 8/5/09 _____
 Mark A. Hampton, P.E., President Date

Quentin L. Hampton Associates, Inc.
 Consulting Engineers
 Florida Registration No. 27391

Rank	Bidder	Total Bid Amount
1	Masci Corporation	\$159,473.55
2	J.D. Weber Construction	\$188,675.00
3	R.A. Scott Construction	\$192,050.00
4	Atlantic Civil Construction	\$218,736.00
5	Hazen Construction	\$227,700.00
6	Mid-South Utility Group*	\$386,850.00

* See Certified Bid Tabulation for details

Prepared by:
 QUENTIN L. HAMPTON ASSOCIATES, INC.
 -Consulting Engineers-
 August 4, 2009

CITY OF PORT ORANGE
B-19 CANAL AT WILLOW RUN BOULEVARD EMERGENCY UTILITY REPAIR
BID NO. B-09-17
CERTIFIED BID TABULATION

Mid-South Utility Group Masci Corporation J.D. Weber Construction

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
A	Water and Raw Water Facilities								
1	Water (Potable & Raw) Provide and Install								
	a) 32" (od) HDPE SDR 13.5 (128 psi rated) Restrained joint (RJ) at connections (120 ± If shown on plans) behind arch culvert head wall	150	LF	\$400.00	\$60,000.00	\$189.45	\$28,417.50	\$236.00	\$35,400.00
	b) 32" (od) HDPE SDR 13.5 (128 psi rated) restrained joint (RJ) at connections, 30" DIP (250 psi rated) restrained joints at all connections and at each joint or C-905 PVC (DR18) (150psi rated) restrained joints at all connections and at each joint (Note: this item includes fittings, adapters, couplings, blocking, etc to install and restrain and existing 30" butterfly valves (155 ± If shown on plans) from head wall area to tie-in points on each side or the B-19 Canal	175	LF	\$400.00	\$70,000.00	\$189.45	\$33,153.75	\$177.00	\$30,975.00
	c) Directionally Drilled 13.2" (od) HDPE SDR 11 (160 psi rated) provide restrained joint at connections and 2 joints back on each side of tie-in points on existing 12" pipe (250 ± LF shown on plans)	270	LF	\$130.00	\$35,100.00	\$72.79	\$19,653.30	\$70.00	\$18,900.00
2	Tie-Ins								
	a) 30"	2	EA	\$15,000.00	\$30,000.00	\$3,980.00	\$7,960.00	\$9,800.00	\$19,600.00
	b) 12"	2	EA	\$5,000.00	\$10,000.00	\$1,657.00	\$3,314.00	\$2,900.00	\$5,800.00
3	Fittings (add or delete)	2,000	LBS			\$2.35	\$4,700.00	\$2.60	\$5,200.00
4	From those shown on plans for fitting material selected for use								
	a) 1" Potable Water Air Release Valve Assembly w/ Vault	1	LS	\$4,800.00	\$4,800.00	\$3,050.00	\$3,050.00	\$3,210.00	\$3,210.00
	b) 2" Raw Water Air Release Assembly (above grade) per detail	1	LS	\$5,400.00	\$5,400.00	\$3,050.00	\$3,050.00	\$3,590.00	\$3,590.00
5	Remove and Abandon Existing Lines								
	a) 30" PCCP B-19 Canal aerial crossing (includes all pipe and fittings taken out of service) and demolition below grade or removal of concrete cradle supports.	1	LS	\$15,000.00	\$15,000.00	\$1,800.00	\$1,800.00	\$15,000.00	\$15,000.00
	b) 12" Concrete bridge crossing area (includes capping 12" lines, removing valve caps +concreting valve boxes, and sawcutting and repairing paving)	1	LS	\$15,000.00	\$15,000.00	\$3,260.00	\$3,260.00	\$3,500.00	\$3,500.00
	c) 12" potable water pipe fittings, etc. existing on each side of canal up to 12" tie-in points in new 12" directionally drilled area (north)	1	LS	\$10,000.00	\$10,000.00	\$1,650.00	\$1,650.00	\$1,500.00	\$1,500.00

**CITY OF PORT ORANGE
B-19 CANAL AT WILLOW RUN BOULEVARD EMERGENCY UTILITY REPAIR
BID NO. B-09-17
CERTIFIED BID TABULATION**

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6	Bulk Concrete	40	CY	\$200.00	\$8,000.00	\$120.00	\$4,800.00	\$150.00	\$6,000.00
7	Unsuitable Material	50	CY	\$10.00	\$500.00	\$12.00	\$600.00	\$10.00	\$500.00
8	Crushed Rock or shell subgrade material	50	CY	\$35.00	\$1,750.00	\$25.00	\$1,250.00	\$20.00	\$1,000.00
9	Rock Excavation	50	CY	\$20.00	\$1,000.00	\$5.00	\$250.00	\$10.00	\$500.00
10	Swab by "Pigging" 12" Potable Water Main	1	LS	\$3,000.00	\$3,000.00	\$1,450.00	\$1,450.00	\$500.00	\$500.00
11	Installation per City Standard details of 4 1/2" o.d. 4 way 1 1/4" pvc multi-cell raceway system including conduit, capped stub outs and pull boxes per plans	1	LS	\$18,000	\$18,000.00	\$1,200.00	\$1,200.00	\$5,100.00	\$5,100.00
12	Complete dewatering of 30" raw water main between existing 30" butterfly valves at "Garnsey" water plant and just west of I-95 (if required)	1	LS	\$5,000	\$5,000.00	\$2,500.00	\$2,500.00	\$1,000.00	\$1,000.00
	Subtotal (Part A) Water and Raw Water Facilities				\$292,550.00		\$122,058.55		\$157,275.00
B	Paving								
1	Asphaltic Concrete 1" Type S-3 Overlay (bikepath) (limits to be determined in the field)	800	SY	\$20	\$16,000.00	\$7.80	\$6,240.00	\$9.00	\$7,200.00
2	Concrete Driveways (8" thick fiber reinforced 3,000 psi) (limits to be determined in the field)	50	SY	\$78	\$3,900.00	\$32.50	\$1,625.00	\$30.00	\$1,500.00
3	Concrete Sidewalks (4" thick - 3,000 psi)(City standards w/ fiberglass rebar)(limits to be determined in the field)	300	SY	\$48	\$14,400.00	\$24.50	\$7,350.00	\$23.00	\$6,900.00
4	Furnish and Install Bahia Sod (limits to be determined in the field)	4,500	SY	\$5	\$22,500.00	\$1.80	\$8,100.00	\$2.00	\$9,000.00
	Subtotal (Part B) Paving				\$56,800.00		\$23,315.00		\$24,600.00
C	General								
1	Video Taping	1	LS	\$3,000	\$3,000.00	\$350.00	\$350.00	\$500.00	\$500.00
2	Field Locate and Expose Existing Utilities	1	LS	\$2,000	\$2,000.00	\$6,800.00	\$6,800.00	\$1,500.00	\$1,500.00
3	Traffic Control	1	LS	\$10,000	\$10,000.00	\$1,500.00	\$1,500.00	\$2,000.00	\$2,000.00
4	Compliance with Florida Trench Safety Act	1	LS	\$4,000	\$4,000.00	\$2,500.00	\$2,500.00	\$500.00	\$500.00
5	Record Drawing Preparation	1	LS	\$12,000	\$12,000.00	\$2,200.00	\$2,200.00	\$600.00	\$600.00
6	Indemnification	1	LS	\$500	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00
7	FDEP "NPDES" Permit	1	LS	\$6,000	\$6,000.00	\$250.00	\$250.00	\$1,200.00	\$1,200.00
	Subtotal (Part C) General				\$37,500.00		\$14,100.00		\$6,900.00
	TOTAL (PARTS A, B, & C)				\$386,850.00		\$159,473.55		\$186,675.00

Mid-South Utility Group

Masci Corporation

J.D. Weber Construction

MidSouth Utility Group - Error in Addition Part A - Corrected Total Shown

**CITY OF PORT ORANGE
E-19 CANAL AT WILLOW RUN BOULEVARD EMERGENCY UTILITY REPAIR
BID NO. B-09-17
CERTIFIED BID TABULATION**

Hazen Construction Atlantic Civil Construction R.A. Scott Construction

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
A	Water and Raw Water Facilities								
1	Water (Potable & Raw) Provide and Install								
	a) 32" (od) HDPE SDR 13.5 (128 psi rated) Restrained joint (RJ) at connections (120 ± If shown on plans) behind arch culvert head wall	150	LF	\$220.00	\$33,000.00	\$180.00	\$27,000.00	\$200.00	\$30,000.00
	b) 32" (od) HDPE SDR 13.5 (128 psi rated) restrained joint (RJ) at connections, 30" DIP (250 psi rated) restrained joints at all connections and at each joint or C-905 PVC (DR18) (150psi rated) restrained joints at all connections and at each joint (Note: this item includes fittings, adapters, couplings, blocking, etc to install and restrain and existing 30" butterfly valves (155 ± If shown on plans) from head wall area to tie-in points on each side or the B-19 Canal c) Directionally Drilled 13.2" (od) HDPE SDR 11 (160 psi rated) provide restrained joint at connections and 2 joints back on each side of tie-in points on existing 12" pipe (250 ± LF shown on plans)	175	LF	\$230.00	\$40,250.00	\$280.00	\$49,000.00	\$200.00	\$35,000.00
2	Tie-Ins								
	a) 30"	2	EA	\$12,500.00	\$25,000.00	\$1,850.00	\$3,700.00	\$14,500.00	\$29,000.00
	b) 12"	2	EA	\$10,000.00	\$20,000.00	\$925.00	\$1,850.00	\$2,500.00	\$5,000.00
3	Fittings (add or delete) From those shown on plans for fitting material selected for use	2,000	LBS	\$1.00	\$2,000.00	\$4.25	\$8,500.00	\$2.25	\$4,500.00
4	a) 1" Potable Water Air Release Valve Assembly w/ Vault	1	LS	\$6,500.00	\$6,500.00	\$5,181.00	\$5,181.00	\$3,375.00	\$3,375.00
	b) 2" Raw Water Air Release Assembly (above grade) per detail	1	LS	\$4,000.00	\$4,000.00	\$3,750.00	\$3,750.00	\$2,550.00	\$2,550.00
5	Remove and Abandon Existing Lines								
	a) 30" PCCP B-19 Canal aerial crossing (Includes all pipe and fittings taken out of service) and demolition below grade or removal of concrete cradle supports.	1	LS	\$12,500.00	\$12,500.00	\$15,790.00	\$15,790.00	\$8,750.00	\$8,750.00
	b) 12" Concrete bridge crossing area (includes capping 12" lines, removing valve caps +concreting valve boxes, and sawcutting and repairing paving)	1	LS	\$9,000.00	\$9,000.00	\$16,474.00	\$16,474.00	\$7,500.00	\$7,500.00
	c) 12" potable water pipe fittings, etc. existing on each side of canal up to 12" tie-in points in new 12" directionally drilled area (north)	1	LS	\$7,000.00	\$7,000.00	\$13,161.00	\$13,161.00	\$2,500.00	\$2,500.00

CITY OF PORT ORANGE
B-19 CANAL AT WILLOW RUN BOULEVARD EMERGENCY UTILITY REPAIR
BID NO. B-09-17
CERTIFIED BID TABULATION

Hazen Construction

Atlantic Civil Construction

R.A.Scott Construction

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
6	Bulk Concrete	40	CY	\$100.00	\$4,000.00	\$325.00	\$13,000.00	\$50.00	\$2,000.00
7	Unsuitable Material	50	CY	\$20.00	\$1,000.00	\$30.00	\$1,500.00	\$15.00	\$750.00
8	Crushed Rock or shell subgrade material	50	CY	\$18.00	\$900.00	\$43.00	\$2,150.00	\$35.00	\$1,750.00
9	Rock Excavation	50	CY	\$20.00	\$1,000.00	\$35.00	\$1,750.00	\$25.00	\$1,250.00
10	Swab by "Pigging" 12" Potable Water Main	1	LS	\$2,000.00	\$2,000.00	\$1,250.00	\$1,250.00	\$1,000.00	\$1,000.00
11	Installation per City Standard details of 4 1/2" o.d. 4 way 1 1/4" pvc multi-cell raceway system including conduit, capped stub outs and pull boxes per plans	1	LS	\$5,000	\$5,000.00	\$2,350.00	\$2,350.00	\$3,500.00	\$3,500.00
12	Complete dewatering of 30" raw water main between existing 30" butterfly valves at "Garnsey" water plant and just west of I-95 (if required)	1	LS	\$3,000	\$3,000.00	\$8,600.00	\$8,600.00	\$500.00	\$500.00
	Subtotal (Part A) Water and Raw Water Facilities				\$191,000.00		\$191,206.00		\$152,425.00
B	Paving								
1	Asphaltic Concrete 1" Type S-3 Overlay (bikepath) (limits to be determined in the field)	800	SY	\$8	\$6,400.00	\$6.60	\$5,280.00	\$12.00	\$9,600.00
2	Concrete Driveways (8" thick fiber reinforced 3,000 psi) (limits to be determined in the field)	50	SY	\$28	\$1,400.00	\$40.00	\$2,000.00	\$55.00	\$2,750.00
3	Concrete Sidewalks (4" thick - 3,000 psi) (City standards w/ fiberglass rebar) (limits to be determined in the field)	300	SY	\$23	\$6,900.00	\$20.00	\$6,000.00	\$35.00	\$10,500.00
4	Furnish and Install Bahia Sod (limits to be determined in the field)	4,500	SY	\$2	\$6,750.00	\$1.50	\$6,750.00	\$1.75	\$7,875.00
	Subtotal (Part B) Paving				\$21,450.00		\$20,030.00		\$30,725.00
C	General								
1	Video Taping	1	LS	\$1,500	\$1,500.00	\$400.00	\$400.00	\$750.00	\$750.00
2	Field Locate and Expose Existing Utilities	1	LS	\$5,000	\$5,000.00	\$1,450.00	\$1,450.00	\$3,500.00	\$3,500.00
3	Traffic Control	1	LS	\$4,000	\$4,000.00	\$1,600.00	\$1,600.00	\$1,500.00	\$1,500.00
4	Compliance with Florida Trench Safety Act	1	LS	\$1,500	\$1,500.00	\$1,300.00	\$1,300.00	\$2,000.00	\$2,000.00
5	Record Drawing Preparation	1	LS	\$2,000	\$2,000.00	\$1,750.00	\$1,750.00	\$500.00	\$500.00
6	Indemnification	1	LS	\$500	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00
7	FDEP "NPDES" Permit	1	LS	\$750	\$750.00	\$500.00	\$500.00	\$150.00	\$150.00
	Subtotal (Part C) General				\$15,250.00		\$7,500.00		\$8,900.00
	TOTAL (PARTS A, B, & C)				\$227,700.00		\$218,736.00		\$192,050.00