Ivins City Staff Report
City Council Meeting 5/5/2016

Agenda Item: Approval of expenditure for construction of Contract 15-10 Center Street Flood Wall (400 East to Puerto Drive)

Submitted by: Thomas J. Jorgensen, P.E., Assistant Public Works Director

Recommended City Council Action:
Approve expenditure of $95,000 for construction of Contract 15-10 Center Street Flood Wall

BACKGROUND:
The Center Street Flood Wall project consists of installing 781 linear feet of block wall along Center Street from 400 East to Puerto Drive. This wall is intended to provide flood protection for properties along Center Street if inlets along Center Street get overwhelmed or clogged during a storm event. The flood wall would redirect the storm water down Puerto Drive instead of flooding properties along Center Street. This project was initially bid out in November of 2015, but concerns that a roundabout might need to be installed at the intersection of Puerto Drive and Center Street delayed the project.

FINDINGS AND ANALYSIS:
The following bids were received:

Schedule A – Earthwork and General Construction	
Larry Moss	$48,532.00
Sunroc	$78,389.50
Schedule B – Wall Mason Construction	
Wardell Masonry	$45,314.63
BA Robinson	$47,491.23
TOTAL	**$93,846.63**

The apparent low bidders for the two portions of the project were Larry Moss and Wardell Masonry with bid prices of $48,532.00 and $45,314.63 respectively. Staff requests that the Council approve the expenditure of $95,000 to include a contingency for potential change orders.

Staff is working on obtaining more bids for the earthwork and general construction portion of the project to reduce costs and receiving updated bid prices on the wall mason construction portion of the project since the bid prices we received last November are no longer guaranteed by the contractor. Updated bids for these portions will be provided in time for Council Meeting.

SUPPORT MATERIALS:
- Bids

FINANCIAL IMPACT:
GL 49-40-699 $95,000

Respectfully Submitted:

Thomas J. Jorgensen, P.E., Assistant Public Works Director

Content Review:

Dale Coulam, City Manager

Contract No. 15-10-A
Contract Name: Center Street Flood Wall (Earthwork and General Construction)

BID SCHEDULE

Item	Description	Quantity	Unit	Unit Price	Total
1	Clearing and grubbing. Removal of existing vegetation. Measure by lump sum.				
		1	LS	$1715	
2	Removal and disposal of existing wire fence. This item also includes tying in the existing fence into the proposed wall. Measured by lineal foot.				
		270	LF	3.50	$945
3	Removal and stockpiling of top 6" of the native "topsoil" material. Measured by lump sum.				
		1	LS	$1325	
4	Scarify and re-compact 8" in the areas below the block wall. Width of the scarify will be a minimum of 5', on center with the proposed wall. Anticipated area is approximately 875 square feet. Measured by lump sum.				
		1	LS	$2187	
5	Earthwork as required by the plans to install the wall at the proposed elevation. This item includes cut, fill, importing material as necessary, and compaction as required by the plans and specifications, etc. This item also includes redistributing the stockpiled native "topsoil" material as the final top 6" of the proposed grade. Between the wall construction and grading the lot located on the corner of Center Street and Puerto Drive, the total cut is approximately 200 cubic yards and total fill is approximately 2,800 cubic yards. Measured by lump sum.				
		1	LS		37,800
6	Concrete Driveway Pad, 6" thick. This items shall also include 6" of base course to be furnished, placed, and compacted beneath the concrete pad. This item also includes scarifying and compacting an 8" subgrade beneath the base course. Measured by the square foot.				
		300	SF	$8.50	2550

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BID SCHEDULE (CONT.)

Item	Description	Quantity	Unit	Unit Price	Total
7	Base Course. This item includes furnishing, installing, and compacting 6" of base course to provide a transition between the new concrete driveway pad and the existing gravel driveway. Measured by the cubic yard.				
		4	CY		400
8	Furnish and install drain rock wrapped with geotextile fabric as required by the plans and specifications. Install adjacent to footing including excavation and backfill. Measured by the lineal foot.				
		700	LF	2.30	1610

Abbreviations: LS-Lump Sum, CY-Cubic Yards, LF-Linear Foot, EA-Each

Notes:

1. Contractor is required to clear any vegetation that impedes upon the construction.
2. All pricing per lineal foot shall include pilasters, step footings, excavation of footing area, and backfill of footing on both sides of wall to a depth of at least 4-inches.
3. All block shall be sandstone colored.

Name of Contractor: Moss Excavating Larry Moss **Phone:** 435 467-2258

Address: 1425 Santa Clara View Dr.

Signature: _____ **Date:** 11-13-15

Print Name: Larry Moss **Title:** Pres

Contract No. 15-10-B
Contract Name: Center Street Flood Wall (Wall Mason Construction)

BID SCHEDULE

Item	Description	Quantity	Unit	Unit Price	Total
1	Furnish and install 5'0" tall masonry 6" fence block with one row singleside split faces including 28" wide footing, 4"x8" thick cap, reinforcing, all support pilasters, per plans and specifications. Measured by lineal foot. 10"x16" pilasters shall be measured as 1.33 lineal feet. 20"x16" pilasters shall be measured by 2.67 lineal feet.				
		28.67	LF	45.00	1290.15
2	Furnish and install 5'8" tall masonry 6" fence block with one row singleside split faces including 28" wide footing, 4"x8" thick cap, reinforcing, all support pilasters, per plans and specifications. Measured by lineal foot. 10"x16" pilasters shall be measured as 1.33 lineal feet. 20"x16" pilasters shall be measured by 2.67 lineal feet.				
		147.33	LF	49.00	7219.17
3	Furnish and install 6'4" tall masonry 6" fence block with one row singleside split faces including 28" wide footing, 4"x8" thick cap, reinforcing, all support pilasters, per plans and specifications. Measured by lineal foot. 10"x16" pilasters shall be measured as 1.33 lineal feet. 20"x16" pilasters shall be measured by 2.67 lineal feet.				
		87.33	LF	53.00	4628.49
4	Furnish and install 3'8" tall masonry 6" fence block with one row singleside split faces. Furnish and install 2'0" tall masonry 8" retaining wall, including 32" wide footing, 4"x8" thick cap, reinforcing, all support pilasters, per plans and specifications. Measured by lineal foot. 10"x16" pilasters shall be measured as 1.33 lineal feet. 20"x16" pilasters shall be measured by 2.67 lineal feet.				
		23.33	LF	50.00	1166.50
5	Furnish and install 4'4" tall masonry 6" fence block with one row singleside split faces. Furnish and install 2'0" tall masonry 8" retaining wall, including 32" wide footing, 4"x8" thick cap, reinforcing, all support pilasters, per plans and specifications. Measured by lineal foot. 10"x16" pilasters shall be measured as 1.33 lineal feet. 20"x16" pilasters shall be measured by 2.67 lineal feet.				
		22.66	LF	54.00	1223.64

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BID SCHEDULE (CONT.)

Item	Description	Quantity	Unit	Unit Price	Total
6	Furnish and install 5'0" tall masonry 6" fence block with one row singleside split faces. Furnish and install 2'0" tall masonry 8" retaining wall, including 32" wide footing, 4"x8" thick cap, reinforcing, all support pilasters, per plans and specifications. Measured by lineal foot. 10"x16" pilasters shall be measured as 1.33 lineal feet. 20"x16" pilasters shall be measured by 2.67 lineal feet.				
		32.00	LF	58.00	1856.00
7	Furnish and install 5'8" tall masonry 6" fence block with one row singleside split faces. Furnish and install 2'0" tall masonry 8" retaining wall, including 32" wide footing, 4"x8" thick cap, reinforcing, all support pilasters, per plans and specifications. Measured by lineal foot. 10"x16" pilasters shall be measured as 1.33 lineal feet. 20"x16" pilasters shall be measured by 2.67 lineal feet.				
		277.33	LF	62.00	17194.46
8	Furnish and install 6'4" tall masonry 6" fence block with one row singleside split faces. Furnish and install 2'0" tall masonry 8" retaining wall, including 32" wide footing, 4"x8" thick cap, reinforcing, all support pilasters, per plans and specifications. Measured by lineal foot. 10"x16" pilasters shall be measured as 1.33 lineal feet. 20"x16" pilasters shall be measured by 2.67 lineal feet.				
		162.67	LF	66.00	10736.22

Abbreviations: LS-Lump Sum, CY-Cubic Yards, LF-Linear Foot, EA-Each

Total Bid $ 45,314.63

Notes:

1. Contractor is required to clear any vegetation that impedes upon the construction.
2. All pricing per lineal foot shall include pilasters, step footings, excavation of footing area, and backfill of footing on both sides of wall to a depth of at least 4-inches.
3. All block shall be sandstone colored.

Name of Contractor: Wardell Masonry **Phone:** (435) 668-9971

Address: PO Box 1074 Santa Clara Ut. 84765

Signature: Joe Wardell **Date:** 11/12/15

Print Name: Joe Wardell **Title:** Owner