



# WILDWOOD

## MEMORANDUM

To: Mayor Bowlin and City Council Members

From: Rick C. Brown, Director of Public Works / City Engineer

Date: January 8, 2020

Re: Contractor Agreement for Construction of Eatherton Road Bridge Replacement Project  
Federal Project No. BRM-5500(679)

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On November 21 2019, the Department of Public Works publicly opened four (4) bids for the above referenced project. This project, which is federally funded, is budgeted to cost \$1,050,000 and is included in the City's 2020 Capital Projects Fund. The City will pay 20% of the cost of the project, with the remaining 80% covered by federal funds (not to exceed \$920,000). Please see **Exhibit 1** for the project location. A link is provided here as well:

<https://goo.gl/maps/MvAg94bQuCE19DS8>

The bids have been evaluated and the lowest responsible bid is from Pace Construction Company, LLC, with a bid of \$842,138.70. The second lowest responsible bid is from Gershenson Construction Company, Inc. with a bid of \$895,000. The low bid is approximately 22% under the engineer's estimate of \$1,082,336. The complete tabulation of bids is provided on the following sheet. (Please see **Exhibit 2.**) Pace was required to be on the MoDOT Approved Contractor List for this project and there were no irregularities in the bids, no bidders were deemed non-responsive, and all bidders appear to be responsible bidders.

### **Eatherton Road Closure**

To replace the bridge, the contractor will be allowed to close Eatherton Road for a maximum of 90 calendar days, starting after May 22, 2019. The contract provides for Liquidated Damages of \$2,000 per day to be paid to the City by the Contractor for each day that Eatherton Road is closed beyond 90 calendar days. The contract also provides for Liquidated Savings of \$2,000 per day (not to exceed 5% of the bid, which would be 21 days max at \$2,000 per day or \$42,000) to be paid to the Contractor by the City for each day that Eatherton Road is opened ahead of the 90 calendar days. This is to provide additional incentive to complete the project during the summer months and limit the impact to school busses and was successfully used on the Wild Horse Creek Road Bridge Replacement Project (2018) and the Strecker Road Bridge Replacement Project (2019).

The project plans require the contractor to install temporary detour signs and electronic message boards to notify motorists in advance of the closure. The signed detour route will be on Route 109 and Wild Horse Creek Road (Route CC).

### **Recommendation**

The Department of Public Works is recommending a contract with Pace Construction for construction of the Eatherton Road Bridge Project, in the amount of \$842,138.70, plus a \$102,000 contingency for the potential Liquidated Savings and additional work as identified by the Department. The maximum

authorization under the agreement is \$944,138.70, however, due to the reimbursement through federal funding, this would equate to \$188,827.74, which would be paid from the Capital Projects Fund.

**Reasons for Recommendation**

- As four (4) bids were submitted, the Department is satisfied that competitive bids were received for the project.
- The low bid was under the engineers estimate for the project, as well as the amount budgeted for construction under the Capital Projects Fund for 2020.
- Pace Construction was on the MoDOT Qualified Contractor list at the time of bidding, there were no irregularities in the bid, and based on our review, the bid meets all MoDOT requirements for award.

This recommendation was reviewed and approved by the Admin / Public Works Committee at their December 2019 meeting. Therefore, Bill 2538, which authorizes the Mayor to execute the agreement with Pace Construction, has been prepared for the consideration of the City Council.

I will be available for any questions or comments regarding this matter at the January 13th, 2020 meeting of the City Council.

RCB



# WILDWOOD

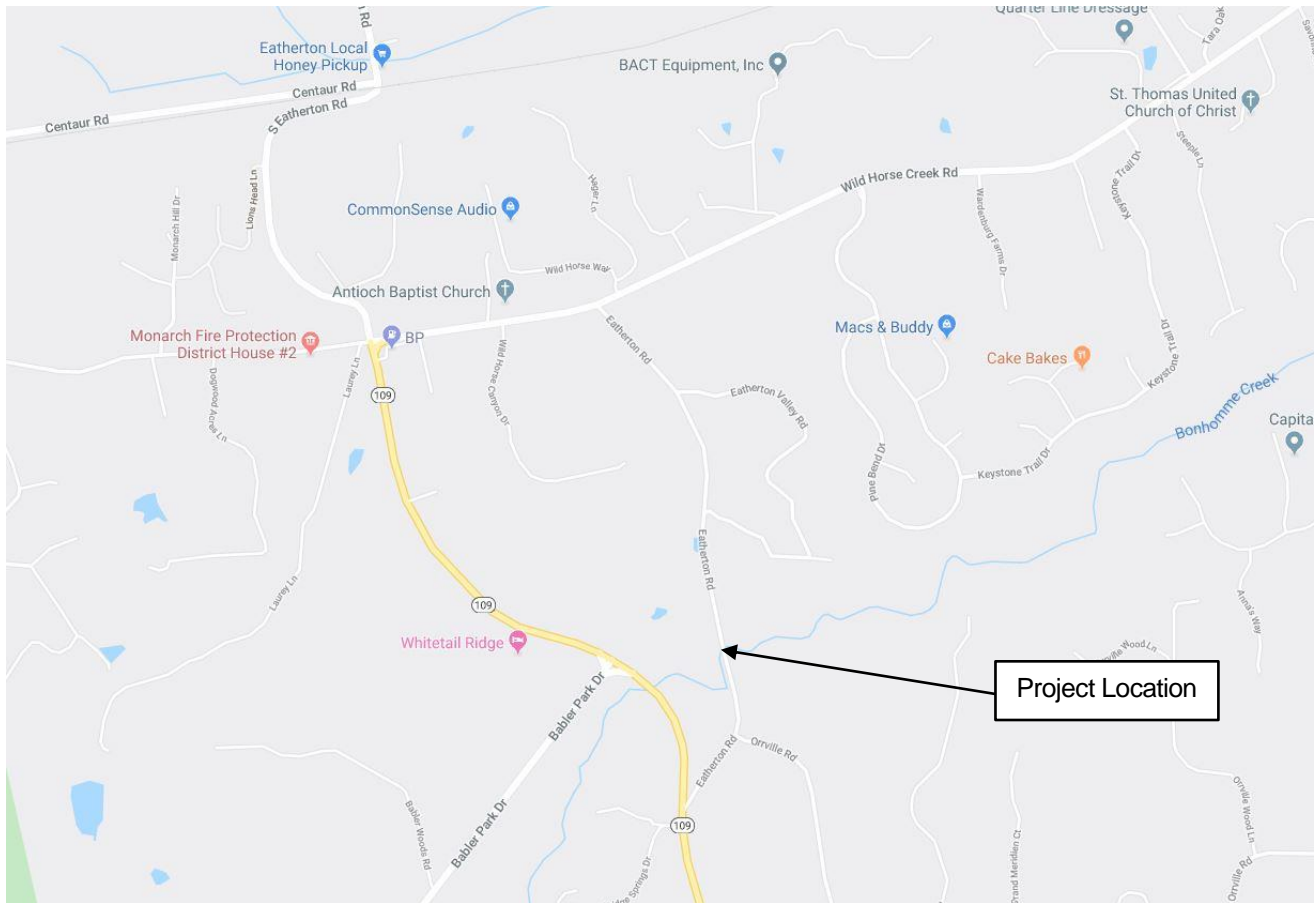


Exhibit 1 – Project Location

**EXHIBIT 2**



**EATHERTON ROAD BRIDGE #3-110 REPLACEMENT - BRM-5500(679)**

ITEMIZED BID ITEMS - BID OPENING AT 10:00 A.M. NOVEMBER 21, 2019				ENGINEER'S ESTIMATE		Pace Construction Company, LLC		Gershenson Construction Company, Inc.		Kozeny-Wagner, Inc.		XL Contracting, Inc.		
Line No.	Pay Item No.	Description	Unit	Quantity	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
1	2013000	Clearing & Grubbing	ACRE	0.9	\$ 25,000.00	\$ 22,500.00	\$45,000.00	\$40,500.00	\$16,666.67	\$15,000.00	\$40,000.00	\$36,000.00	\$13,717.78	\$12,344.20
2	2022010	Removal of Improvements	LS	1	\$ 25,000.00	\$ 25,000.00	\$5,000.00	\$5,000.00	\$21,500.00	\$21,500.00	\$21,000.00	\$21,000.00	\$26,895.00	\$26,895.00
3	2035000	Unclassified Excavation	CUYD	2304	\$ 25.00	\$ 57,600.00	\$11.00	\$25,344.00	\$18.00	\$41,472.00	\$9.40	\$21,657.60	\$19.81	\$45,642.24
4	2035500	Embankment In-Place	CUYD	1794	\$ 30.00	\$ 53,820.00	\$9.00	\$16,146.00	\$7.00	\$12,558.00	\$9.20	\$16,504.80	\$8.09	\$14,513.46
5	3040504	Type 5 Aggregate for Base (4 in. thick)	SQYD	2191	\$ 15.00	\$ 32,865.00	\$6.00	\$13,146.00	\$7.00	\$15,337.00	\$4.20	\$9,202.20	\$4.31	\$9,443.21
6	3102003	Crushed Stone (B)	SQYD	268	\$ 40.00	\$ 10,720.00	\$7.00	\$1,876.00	\$7.00	\$1,876.00	\$8.00	\$2,144.00	\$10.14	\$2,717.52
7	4011209	Bituminous Pavement Mixture PG64-22 (BP-1)	TONS	230	\$ 120.00	\$ 27,600.00	\$76.00	\$17,480.00	\$95.00	\$21,850.00	\$111.00	\$25,530.00	\$111.36	\$25,612.80
8	4013000	Bituminous Pavement Mixture PG64-22 (Base)	TONS	950	\$ 120.00	\$ 114,000.00	\$76.00	\$72,200.00	\$85.00	\$80,750.00	\$77.80	\$73,910.00	\$84.37	\$80,151.50
9	4071005	Tack Coat	GAL	104	\$ 20.00	\$ 2,080.00	\$4.00	\$416.00	\$1.00	\$104.00	\$12.70	\$1,320.80	\$1.71	\$177.84
10	4081010	Prime - Liquid Asphalt RC 70 or MC 30	GAL	529	\$ 20.00	\$ 10,580.00	\$5.75	\$3,041.75	\$6.50	\$3,438.50	\$7.20	\$3,808.80	\$9.90	\$5,237.10
11	6061065	MGS Guardrail, 6 Ft. Posts, 1 ft. - 6.75 in. Spacing	LF	351	\$ 50.00	\$ 17,550.00	\$78.00	\$27,378.00	\$78.00	\$27,378.00	\$78.00	\$27,378.00	\$85.80	\$30,115.80
12	6061069	MGS Bridge Approach Transition Section (Regular/No Curt)	EA	4	\$ 3,750.00	\$ 15,000.00	\$4,800.00	\$19,200.00	\$4,800.00	\$19,200.00	\$4,800.00	\$19,200.00	\$5,280.00	\$21,120.00
13	6061080	MGS End Anchor	EA	1	\$ 1,875.00	\$ 1,875.00	\$1,800.00	\$1,800.00	\$1,800.00	\$1,800.00	\$1,800.00	\$1,800.00	\$1,980.00	\$1,980.00
14	6063014	Type A Crashworthy End Terminal (MASH)	EA	3	\$ 4,375.00	\$ 13,125.00	\$4,500.00	\$13,500.00	\$4,500.00	\$13,500.00	\$4,500.00	\$13,500.00	\$4,850.00	\$14,550.00
15	6113020	Furnishing Type 2 Rock Blanket	CUYD	1179	\$ 40.00	\$ 47,160.00	\$35.00	\$41,265.00	\$25.00	\$29,475.00	\$27.00	\$31,433.00	\$40.49	\$47,737.71
16	6113040	Placing Type 2 Rock Blanket	CUYD	1179	\$ 15.00	\$ 17,685.00	\$22.00	\$25,938.00	\$10.00	\$11,790.00	\$23.00	\$27,117.00	\$16.40	\$19,336.60
17	6131014	Full Depth Pavement Repair Saw Cut	LF	39	\$ 17.00	\$ 663.00	\$7.00	\$273.00	\$10.00	\$390.00	\$20.00	\$780.00	\$5.50	\$214.50
18	6181000	Mobilization	LS	1	\$ 60,000.00	\$ 60,000.00	\$49,404.85	\$49,404.85	\$99,605.50	\$99,605.50	\$85,650.00	\$85,650.00	\$106,646.00	\$106,646.00
19	8052000A	Seeding - Warm Season Mixtures	ACRE	0.50	\$ 15,000.00	\$ 7,500.00	\$6,150.00	\$3,075.00	\$6,000.00	\$3,000.00	\$8,500.00	\$4,250.00	\$9,350.00	\$1,320.00
20	8061005	Rock Ditch Check	LF	24	\$ 150.00	\$ 3,600.00	\$35.00	\$840.00	\$1.00	\$24.00	\$50.00	\$1,200.00	\$55.00	\$1,320.00
21	8061017	Temporary Seeding and Mulching	ACRE	0.50	\$ 10,000.00	\$ 5,000.00	\$5,000.00	\$2,500.00	\$900.00	\$250.00	\$1,700.00	\$850.00	\$1,870.00	\$935.00
22	8061019	Silt Fence	LF	686	\$ 8.00	\$ 5,488.00	\$3.10	\$2,126.60	\$1.00	\$686.00	\$5.00	\$3,430.00	\$5.50	\$3,773.00

Subtotal Roadway= \$ 551,411.00 \$382,450.20 \$420,984.00 \$428,066.20 \$475,437.48

Signing/Stripping Items														
Line No.	Pay Item No.	Description	Unit	Quantity	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
1	6161005	Construction Signs	SQFT	228	\$ 15.00	\$ 3,420.00	\$9.00	\$2,052.00	\$9.00	\$2,052.00	\$12.00	\$2,736.00	\$9.00	\$2,052.00
2	6161031	Type III Movable Barricade with Light	EA	6	\$ 220.00	\$ 1,320.00	\$175.00	\$1,050.00	\$175.00	\$1,050.00	\$225.00	\$1,350.00	\$192.50	\$1,155.00
3	6205901A	4 in. Yellow High Build Waterborne Pavement Marking Paint, Type L Beads	LF	1440	\$ 3.00	\$ 4,320.00	\$0.75	\$1,080.00	\$0.75	\$1,080.00	\$2.00	\$2,880.00	\$0.83	\$1,195.20
4	6205902A	4 in. White High Build Waterborne Pavement Marking Paint, Type L Beads	LF	1440	\$ 3.00	\$ 4,320.00	\$0.75	\$1,080.00	\$0.75	\$1,080.00	\$2.00	\$2,880.00	\$0.83	\$1,195.20

Subtotal Signing/Stripping= \$ 13,380.00 \$5,262.00 \$5,262.00 \$9,846.00 \$5,802.60

Bridge Items														
Line No.	Pay Item No.	Description	Unit	Quantity	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
1	2061000	Class 1 Excavation	CUYD	114.5	\$ 60.00	\$ 6,870.00	\$25.00	\$2,862.50	\$50.00	\$5,725.00	\$33.50	\$3,836.75	\$74.44	\$8,523.38
2	2160500	Removal of Bridges	LS	1	\$ 30,000.00	\$ 30,000.00	\$20,000.00	\$20,000.00	\$12,000.00	\$12,000.00	\$28,000.00	\$28,000.00	\$17,375.25	\$17,375.25
3	5031011A	Bridge Approach Slab (Minor Road)	SQYD	135	\$ 215.00	\$ 29,025.00	\$153.00	\$20,655.00	\$234.00	\$31,590.00	\$195.00	\$26,325.00	\$173.83	\$23,467.05
4	6079903	Aesthetic 24 in. Pedestrian Fence (Structures)	LF	200	\$ 150.00	\$ 30,000.00	\$135.00	\$27,000.00	\$135.00	\$27,000.00	\$135.00	\$27,000.00	\$148.50	\$29,700.00
5	7021012	Structural Steel Piles (12 IN)	LF	330	\$ 75.00	\$ 24,750.00	\$70.00	\$23,100.00	\$85.00	\$28,050.00	\$80.00	\$26,400.00	\$172.42	\$56,898.60
6	7027000	Pile Point Reinforcement	EA	10	\$ 150.00	\$ 1,500.00	\$90.00	\$900.00	\$100.00	\$1,000.00	\$90.00	\$900.00	\$134.75	\$1,347.50
7	7032003	Class B Concrete (Substructure)	CUYD	38	\$ 1,000.00	\$ 38,000.00	\$900.00	\$34,200.00	\$715.00	\$27,170.00	\$810.00	\$30,780.00	\$1,828.80	\$69,494.40
8	7034222	Slab on Concrete Beam	SQYD	283	\$ 400.00	\$ 113,200.00	\$381.00	\$107,823.00	\$400.00	\$113,200.00	\$350.00	\$99,050.00	\$455.91	\$129,022.53
9	7034610	Corral Curb	LF	200	\$ 200.00	\$ 40,000.00	\$164.00	\$32,800.00	\$240.00	\$48,000.00	\$150.00	\$30,000.00	\$141.23	\$28,246.00
10	7056051A	33 in. Prestressed Concrete Spread Box Beam	LF	388	\$ 350.00	\$ 135,800.00	\$340.00	\$131,920.00	\$315.00	\$122,220.00	\$355.00	\$137,740.00	\$307.54	\$119,325.52
11	7119905	Concrete Sealant	SQYD	62	\$ 50.00	\$ 3,100.00	\$14.00	\$868.00	\$50.00	\$3,100.00	\$14.00	\$868.00	\$4.67	\$289.54
12	7151001	Vertical Drain at End Bents	EA	2	\$ 5,000.00	\$ 10,000.00	\$1,100.00	\$2,200.00	\$1,700.00	\$3,400.00	\$1,450.00	\$2,900.00	\$5,243.98	\$10,487.96
13	7161000	Plain Neoprene Bearing Pad	EA	10	\$ 300.00	\$ 3,000.00	\$250.00	\$2,500.00	\$275.00	\$2,750.00	\$360.00	\$3,600.00	\$379.94	\$3,799.40
14	7201200	Select Granular Backfill for Structural System	CUYD	69	\$ 85.00	\$ 5,865.00	\$41.00	\$2,829.00	\$72.00	\$4,968.00	\$48.00	\$3,312.00	\$67.60	\$4,664.40
15	7033009	Aesthetic Concrete Stain	LS	1	\$ 4,000.00	\$ 4,000.00	\$5,700.00	\$5,700.00	\$2,500.00	\$2,500.00	\$5,700.00	\$5,700.00	\$6,270.00	\$6,270.00

Subtotal Bridge= \$ 475,110.00 \$415,357.50 \$432,673.00 \$426,410.75 \$508,911.53

Misc. Improvements														
Line No.	Pay Item No.	Description	Unit	Quantity	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
1	8059901	Miscellaneous Drainage	LS	1	\$ 5,000.00	\$ 5,000.00	\$12,000.00	\$12,000.00	\$4,000.00	\$4,000.00	\$10,300.00	\$10,300.00	\$10,778.30	\$10,778.30
2	8069901	Digital Audio Video Recording	LS	1	\$ 2,000.00	\$ 2,000.00	\$1,400.00	\$1,400.00	\$1.00	\$1.00	\$2,500.00	\$2,500.00	\$3,850.00	\$3,850.00
3	8069902	Tree Removal, Special	EA	1	\$ 5,000.00	\$ 5,000.00	\$500.00	\$500.00	\$1,500.00	\$1,500.00	\$2,500.00	\$2,500.00	\$6,345.35	\$6,345.35
4	8069903	Fence To Be Removed and Re- Erected	LF	229	\$ 15.00	\$ 3,435.00	\$1.00	\$229.00	\$20.00	\$4,580.00	\$40.00	\$9,160.00	\$46.20	\$10,579.80
5	8089901	Miscellaneous Landscaping	LS	1	\$ 25,000.00	\$ 25,000.00	\$23,440.00	\$23,440.00	\$22,500.00	\$22,500.00	\$19,470.00	\$19,470.00	\$24,022.41	\$24,022.41
6	8089902	Well To Be Adjusted	EA	1	\$ 2,000.00	\$ 2,000.00	\$1,500.00	\$1,500.00	\$3,500.00	\$3,500.00	\$600.00	\$600.00	\$1,320.00	\$1,320.00

Subtotal Misc Improvements= \$ 42,435.00 \$39,069.00 \$36,081.00 \$44,530.00 \$56,896.86

Total= \$ 1,082,336.00 \$842,138.70 \$895,000.00 \$908,852.95 \$1,047,047.47

Total different than bids as read due to math error