



500 West Big Beaver
Troy, MI 48084
troymi.gov



CITY COUNCIL AGENDA ITEM

Date: August 8, 2022

To: Mark F. Miller, City Manager

From: Robert Bruner, Assistant City Manager
Robert C. Maleszyk, Chief Financial Officer
Dee Ann Irby, Controller
Kurt Bovensiep, Public Works Director
William J. Huotari, City Engineer

Subject: Standard Purchasing Resolution #1: Award to Low Bidder
Contract 22-01 – PRV No. 7 Rehabilitation

History

This project will rehabilitate a pressure reducing vault (PRV) located at the northwest corner of Big Beaver and Coolidge. This vault regulates water main pressures in the southwest quadrant of the City and is showing signs of deterioration. Access to the vault will also be improved to comply with current standards. The work is anticipated to start in February 2023 and be completed by June 2023.

Purchasing

Bids were received and publicly read on August 3, 2022. The low bid of \$746,482.75 was submitted by Trojan Development Company, Inc., 2260 Metamora Rd., Oxford, MI 48371 as shown on the attached bid tab.

Work was competitively bid and publicly opened with three (3) bidders responding. The award is contingent upon submission of proper contract and bid documents, including bonds, insurance certificates and all specified requirements.

Financial

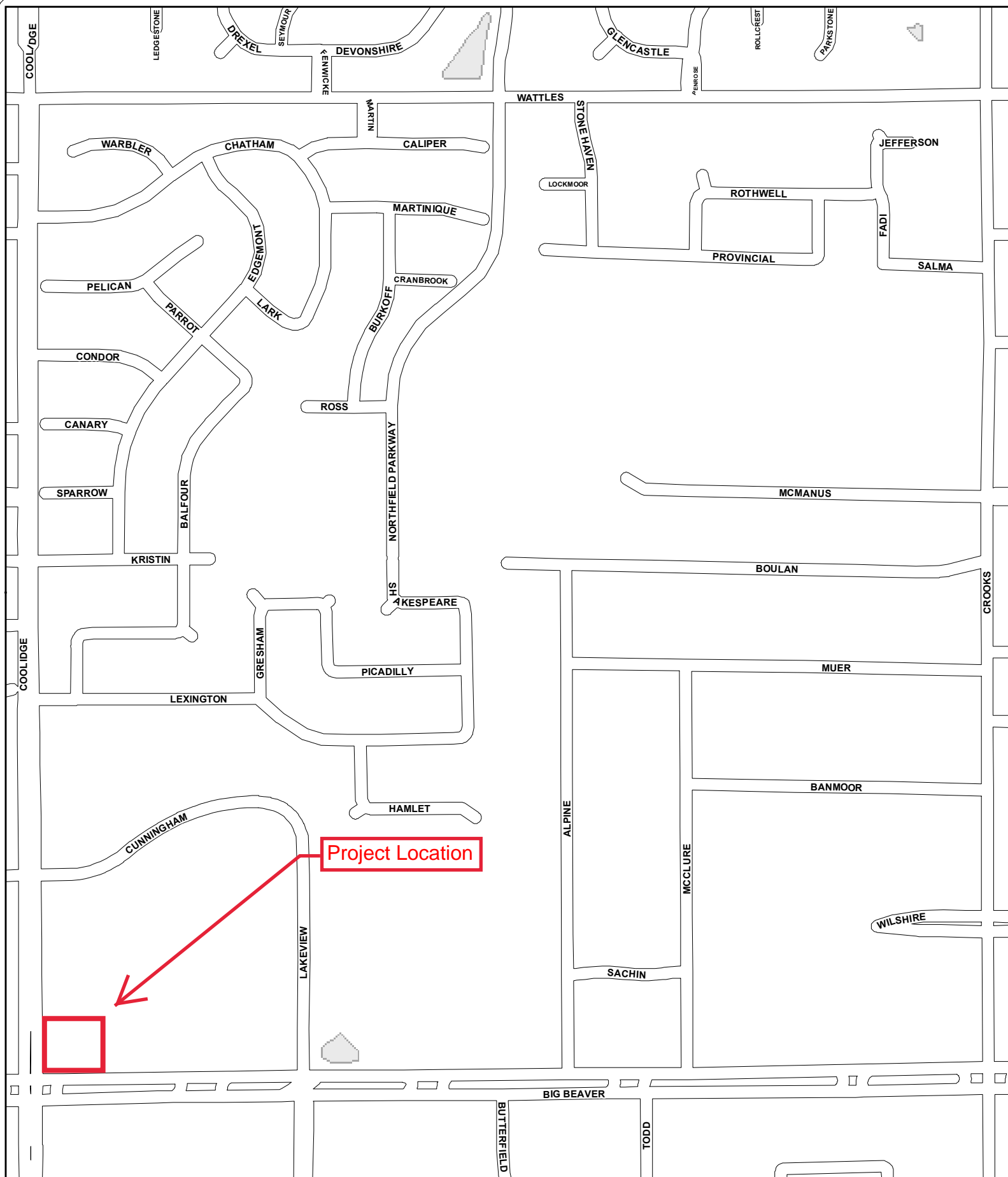
Funds for this work are included in the 2023 Water Fund (Project # 2022C0089 / Account # 591.537.555.7972.215015). The budgeted amount includes funds for construction, inspection, testing, and contingencies.

Recommendation

It is recommended that City Council award the PRV No. 7 Rehabilitation contract to Trojan Development Company, Inc., 2260 Metamora Rd., Oxford, MI 48371, for their low bid of \$746,482.75

In addition, we are requesting authorization to approve additional work, if needed, not to exceed 20% of the original project cost due to unknown conflicts with existing underground utilities and underground conditions that may arise during construction.

A copy of the bid tab and recommendation shall be attached to the original Minutes of this meeting.





August 5, 2022

City of Troy
Engineering Department
500 W. Big Beaver Road
Troy, MI 48084

Attn: Mr. William Huotari, P.E., City Engineer/Traffic Engineer

Re: PRV#7 Rehabilitation Project
Recommendation of Award

HRC Job No. 20210693

Dear Mr. Huotari;

Hubbell, Roth & Clark, Inc (HRC) has reviewed the bids received on August 3, 2022 for the subject project. There were three (3) contractors that submitted proposals with the submitting company names being received, publicly opened and read at the time of the bid opening. The lowest responsive bid submitted by Trojan Development Company Inc. of Oxford, Michigan with a bid of \$746,482.75. This bid was below the final Engineer's Estimate of construction costs for this project. Copies of the Bid Tab are enclosed for your reference and distribution. Each of the contractor submitted proposals were reviewed based on critical project parameters including; contractor work plan, proposed sub-contractors, bid price and preliminary construction schedule. These proposals were reviewed and discussed by City and HRC staff members.

In our opinion, Trojan Development Company, Inc. has satisfied the requirements of the specifications and has submitted all the necessary information for the bid proposal to be considered complete and responsive. Trojan Development Company, Inc. has extensive experience working in Southeast Michigan on PRV projects and underground facility construction and reconstruction with scopes both larger and smaller than the subject project. In addition, HRC has a long and successful history of working with Trojan Development Company, Inc. and each of the references contacted provided strong support of their abilities, including timeliness, responsiveness, workmanship, and communications.

On the basis of the above, we recommend award of the PRV #7 Rehabilitation Project construction Contract to Trojan Development Company, Inc. at a total amount of \$746,482.75, subject to the Contractor supplying the requisite bonds and insurance certificates. Construction is anticipated to begin on February 1, 2023 and be completed by the end of May 2023.

If you have any questions or require any additional information, please contact the undersigned.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.



Bradley Shepler, P.E.
Senior Associate

Attachment

pc: S. Finlay, P. Trosper, M. Schlegelmann
HRC; M. MacDonald, W. West, B. Clarke, File

BID TABULATION
PRV NO. 7 REHABILITATION
CITY OF TROY CONTRACT 22-02
OAKLAND COUNTY

Bids Due: Wednesday, August 3, 2022 at 10:00 am
HRC Job # 20210693

Trojan Development Co., Inc.
2260 Metamora Road
Oxford, MI 48371
Phone: (248) 628-6200

Z Contractors, Inc.
50500 Design Lane
Shelby Twp., MI 48315
Phone: (586) 625-8899

L. D'Agostini & Sons, Inc.
15801 23 Mile Road
Macomb, MI 48042
Phone: (586) 781-5800

Item	Quantity	Unit	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
1. Mobilization, Max \$40,000	1	Lsum	\$39,500.00	\$39,500.00	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00
2. Color Audio Visual Route Survey (Max \$5,000)	1	Lsum	\$4,850.00	\$4,850.00	\$975.00	\$975.00	\$5,000.00	\$5,000.00
3. Property Protection Fence (As Needed)	200	Ft	\$11.00	\$2,200.00	\$6.00	\$1,200.00	\$25.00	\$5,000.00
4. PRV Facility, Demolition (Includes All Structural Removals, Process Piping and Mechanical Equipment)	1	Lsum	\$126,300.00	\$126,300.00	\$135,000.00	\$135,000.00	\$50,000.00	\$50,000.00
5. Curb and Gutter, Rem	55	Ft	\$18.35	\$1,009.25	\$22.00	\$1,210.00	\$25.00	\$1,375.00
6. Sidewalk, Rem	16	Syd	\$19.00	\$304.00 *	\$75.00	\$1,200.00	\$60.00	\$960.00
7. Soil Erosion and Sedimentation Control	1	Lsum	\$5,500.00	\$5,500.00	\$5,000.00	\$5,000.00	\$3,500.00	\$3,500.00
8. Pavt Repr, Rem	117	Syd	\$37.00	\$4,329.00	\$38.00	\$4,446.00	\$50.00	\$5,850.00
9. Sidewalk, Clay Brick Pavers, Rem	964	Sft	\$3.00	\$2,892.00	\$8.00	\$7,712.00	\$10.00	\$9,640.00
10. Mechanical Equipment (Including All Supports, Piping, Installation and Commissioning)	1	Lsum	\$32,750.00	\$32,750.00	\$22,000.00	\$22,000.00	\$50,000.00	\$50,000.00
11. Curb and Gutter, Conc, Det F5	20	Ft	\$65.00	\$1,300.00	\$70.00	\$1,400.00	\$100.00	\$2,000.00
12. Curb Ramp Opening, Conc	35	Ft	\$55.00	\$1,925.00	\$70.00	\$2,450.00	\$100.00	\$3,500.00
13. Pavt Repr, Nonreinf Conc, 9½ inch, Special	116	Syd	\$85.00	\$9,860.00	\$130.00	\$15,080.00	\$200.00	\$23,200.00
14. Aggregate Base, 8 inch, 21AA	138	Syd	\$18.00	\$2,484.00	\$30.00	\$4,140.00	\$35.00	\$4,830.00
15. Open-Graded Dr Cse, 6 inch, RCOC	116	Syd	\$16.00	\$1,856.00 *	\$38.00	\$4,408.00	\$35.00	\$4,060.00
16. Geotextile Fabric, Type NW 8	232	Syd	\$5.00	\$1,160.00	\$4.50	\$1,044.00	\$15.00	\$3,480.00
17. Sidewalk, Conc, 4 inch, Special	558	Sft	\$7.50	\$4,185.00	\$10.00	\$5,580.00	\$15.00	\$8,370.00
18. Sidewalk Ramp, Conc, 6 inch	394	Sft	\$9.00	\$3,546.00	\$15.00	\$5,910.00	\$20.00	\$7,880.00
19. Detectable Warning Surface	22	Ft	\$50.00	\$1,100.00	\$75.00	\$1,650.00	\$70.00	\$1,540.00
20. Underdrain, 6-inch	35	Ft	\$35.00	\$1,225.00	\$35.00	\$1,225.00	\$60.00	\$2,100.00
21. Braced Excavation Item 1	1	Lsum	\$70,500.00	\$70,500.00	\$187,000.00	\$187,000.00	\$200,000.00	\$200,000.00
22. Pressure Injection of Non-Weeping Cracks Repair Type 2A	15	Ft	\$175.00	\$2,625.00	\$90.00	\$1,350.00	\$200.00	\$3,000.00
23. Pressure Injection of Weeping Cracks Repair Type 2B	15	Ft	\$175.00	\$2,625.00	\$90.00	\$1,350.00	\$200.00	\$3,000.00
24. Concrete Surface Repair Type 3A (Depth <1")	10	Sft	\$235.00	\$2,350.00	\$145.00	\$1,450.00	\$400.00	\$4,000.00
25. Concrete Surface Repair Type 3B (Depth >1")	10	Sft	\$280.00	\$2,800.00	\$195.00	\$1,950.00	\$430.00	\$4,300.00
26. Concrete Surface Repair Type 3C (Depth >3")	10	Sft	\$350.00	\$3,500.00	\$250.00	\$2,500.00	\$750.00	\$7,500.00
27. Removal of Anchor Bolts Repair Type 4	1	Lsum	\$5,900.00	\$5,900.00	\$4,950.00	\$4,950.00	\$9,000.00	\$9,000.00
28. Existing Opening Infill Repair Type 5	1	Lsum	\$7,600.00	\$7,600.00	\$3,250.00	\$3,250.00	\$25,000.00	\$25,000.00
29. PRV Facility, Cast-In-Place Concrete Item 6	1	Lsum	\$90,600.00	\$90,600.00	\$150,000.00	\$150,000.00	\$90,000.00	\$90,000.00
30. Access Door and Fall Protection System Item 7	1	Lsum	\$7,500.00	\$7,500.00	\$5,300.00	\$5,300.00	\$6,500.00	\$6,500.00
31. SS Ladder and Safety Post Item 8	1	Lsum	\$13,200.00	\$13,200.00	\$12,000.00	\$12,000.00	\$10,000.00	\$10,000.00
32. Thrust Restraint Assembly Item 9	2	Ea	\$5,600.00	\$11,200.00	\$4,000.00	\$8,000.00	\$9,500.00	\$19,000.00
33. Concrete Coating, Interior, Item 10	1,200	Sft	\$11.00	\$13,200.00	\$8.50	\$10,200.00	\$20.00	\$24,000.00
34. Monorail Beam Item 11	1	Lsum	\$14,300.00	\$14,300.00	\$3,800.00	\$3,800.00	\$10,000.00	\$10,000.00
35. Process Piping, Complete (Including All Internals)	1	Lsum	\$70,750.00	\$70,750.00	\$60,000.00	\$60,000.00	\$85,000.00	\$85,000.00
36. Electrical System, Demolition	1	Lsum	\$8,350.00	\$8,350.00	\$2,400.00	\$2,400.00	\$5,000.00	\$5,000.00
37. Facility Electrical (Including Exterior Connection and All Internals)	1	Lsum	\$38,150.00	\$38,150.00	\$17,910.00	\$17,910.00	\$40,000.00	\$40,000.00
38. Maintaining Traffic	1	Lsum	\$19,500.00	\$19,500.00	\$15,000.00	\$15,000.00	\$25,000.00	\$25,000.00
39. TS, Pedestrian, Two Way Pedestal Mtd, Rem	1	Ea	\$3,200.00	\$3,200.00	\$110.00	\$110.00	\$165.00	\$165.00
40. Pedestal, Rem	1	Ea	\$1,450.00	\$1,450.00	\$110.00	\$110.00	\$165.00	\$165.00
41. Pushbutton and Sign, Rem	2	Ea	\$2,150.00	\$4,300.00	\$110.00	\$220.00	\$165.00	\$330.00
42. Pedestal Fdn, Rem	1	Ea	\$3,150.00	\$3,150.00	\$302.50	\$302.50	\$500.00	\$500.00
43. Temporary Service Conduit and Wire	1	Lsum	\$16,150.00	\$16,150.00	\$17,600.00	\$17,600.00	\$30,000.00	\$30,000.00
44. TS, Pedestrian, Two Way Pedestal Mtd, Salv	1	Ea	\$3,750.00	\$3,750.00	\$720.50	\$720.50	\$1,100.00	\$1,100.00
45. Pedestal, Alum, RCOC	1	Ea	\$9,145.00	\$9,145.00	\$1,650.00	\$1,650.00	\$2,500.00	\$2,500.00
46. Pushbutton and Sign, Salv	2	Ea	\$1,450.00	\$2,900.00	\$473.00	\$946.00	\$700.00	\$1,400.00
47. Pushbutton Support Post, RCOC	1	Ea	\$6,100.00	\$6,100.00	\$1,980.00	\$1,980.00	\$3,000.00	\$3,000.00
48. Pedestal, Fdn	1	Ea	\$1,850.00	\$1,850.00	\$1,622.50	\$1,622.50	\$3,000.00	\$3,000.00
49. Conduit, DB, 1, 1½ inch	50	Ft	\$25.00	\$1,250.00	\$33.00	\$1,650.00	\$60.00	\$3,000.00
50. Conduit, DB, 1, 3 inch	15	Ft	\$64.00	\$960.00	\$35.20	\$528.00	\$95.00	\$1,425.00
51. Conduit, DB, 2, 3 inch	60	Ft	\$69.00	\$4,140.00 *	\$99.00	\$5,940.00	\$150.00	\$9,000.00
52. Pavt Mrgg, Ovly Cold Plastic, 12 inch, Crosswalk	75	Ft	\$37.50	\$2,812.50	\$14.00	\$1,050.00	\$30.00	\$2,250.00
53. Hh, Adj	2	Ea	\$1,000.00	\$2,000.00	\$1,650.00	\$3,300.00	\$2,500.00	\$5,000.00
54. Observation Crew Days		Days	\$500.00	\$45,000.00	\$500.00	\$17,500.00	\$500.00	\$24,000.00
55. RCOC ROW Permit Allowance	1	Lsum	\$2,700.00	\$2,700.00	\$2,700.00	\$2,700.00	\$2,700.00	\$2,700.00
56. RCOC Signals Permit Allowance	1	Lsum	\$2,700.00	\$2,700.00	\$2,100.00	\$2,100.00	\$2,100.00	\$2,100.00
TOTAL BID AMOUNT				\$746,482.75		\$810,069.50		\$894,220.00

ENGINEER: Bradley Shepler, P.E.
Hubbell, Roth & Clark, Inc.
555 Hulet Drive
Bloomfield Hills, MI 48303

Corrected by Engineer *