



Board of Aldermen Request for Action

MEETING DATE: 1/20/2026

DEPARTMENT: Public Works

AGENDA ITEM: Resolution 1536, approving Amendment No. 3 to Authorization No. 94 with HDR Engineering Inc. for professional engineering services for the 144th Street pump station and force main.

REQUESTED BOARD ACTION

A motion to approve Resolution 1536, approving Amendment No. 3 to Authorization No. 94 with HDR Engineering Inc. for professional engineering services for the 144th Street pump station and force main.

SUMMARY

On August 3, 2021 the Board approved Resolution 987- Authorization No. 94 with HDR for engineering services for the design of the 144th Street Pump Station and force main.

On May 7, 2024 the Board approved Resolution 1352 - Amendment No. 1 with HDR for the realignment of the northern portion of the force main due to not being able to secure the necessary easement for the force main.

In May 2024, the City received notice from the US Army Corps of Engineers that we would be receiving approx. \$1.8 million in federal funding from the Water Resources Development Act (WRDA) for assistance in funding the construction of the 144th Street Pump Station and Force Main.

On September 24, 2024 the Board approved Resolution 1405 - Amendment No. 2 included completion of the environmental assessment required to receive the Grant.

Amendment No. 3 includes additional services not included in Authorization 94 for an amount of \$69,310:

- additional support during eminent domain process, HDR provided exhibits and court attendance
- coordination and design with Fairview Development,
- additional submittal and shop drawing reviews, HDR will have completed an additional 114 reviews of equipment and materials
- design of the gravity sewer tie in at Hills of Shannon and decommissioning of the pump station, due to unforeseen conditions additional design effort is needed to tie in the Hills of Shannon sewer line so the Hills of Shannon pump station can be decommissioned
- additional Corps requirement for the receipt of a grant, there are Federal ADA requirements that had to be met for with the environmental assessment, the report had to be converted to an audible version for the visually impaired

An update on the construction:

Epic has continued to make progress. There is some extra work being completed on the HWY 92 bore, the additional costs are within the project contingency. The HWY 169 bore has been plugged and we have a new approval from MODOT to complete the bore under HWY 169. The total project is approximately 60% completed.

PREVIOUS ACTION

On August 3, 2021 the Board approved Resolution 987- Authorization No. 94 with HDR for engineering services for the design of the 144th Street Pump Station and force main.

POLICY ISSUE

Infrastructure Maintenance

FINANCIAL CONSIDERATIONS

Original Contract: \$346,050

Amendment No. 1 \$ 29,920

Amendment No. 2 \$ 19,450

Amendment No. 3 \$ 69,310

Total Contract: \$464,730

There are sufficient funds available in the CWWS expenditure budget for this expense

ATTACHMENTS

☐ Ordinance

☒ Resolution

☐ Staff Report

☒ Other: Amendment 3

☐ Contract

☐ Plans

☐ Minutes

RESOLUTION 1536

A RESOLUTION APPROVING AMENDMENT NO. 3 TO AUTHORIZATION NO. 94 WITH HDR ENGINEERING INC. FOR PROFESSIONAL ENGINEERING SERVICES FOR THE 144TH STREET PUMP STATION AND FORCE MAIN

WHEREAS, on August 3, 2021 the Board approved Resolution 987, Authorization No. 94 for the engineering design of the 144th Street Pump Station and Force Main; and

WHEREAS, on May 7, 2024 the Board Approved Amendment No. 1, Resolution 1352 and on September 24, 2024 the Board Approved Amendment No. 2, Resolution 1405 to Authorization No. 94; and

WHEREAS, HDR has performed additional services not included in Authorization 94 including: additional support during eminent domain process, coordination and design with Fairview Development, additional submittal and shop drawing reviews, design of the gravity sewer tie in at Hills of Shannon and decommissioning of the pump station, and additional Corps requirement for the receipt of a grant; and

WHEREAS, Amendment No. 3 is presented to the Board for approval for additional engineering services not included in the Authorization No. 94 in an amount of \$69,310. for a total contract cost not to Exceed \$464,730.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF SMITHVILLE, MISSOURI:

THAT Amendment No. 3 to Authorization No. 94 with HDR Engineering for professional engineering services for the 144th Street pump station and force main, in substantially the form attached hereto and incorporated as if fully set forth herein, is hereby approved and the appropriate official of the City is authorized to execute the same on behalf of the City.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Smithville, Missouri, this 20th day of January, 2026.

Damien Boley, Mayor

ATTEST:

Linda Drummond, City Clerk

AMENDMENT NO. 3 TO AUTHORIZATION NO. 94

**TO
AGREEMENT BETWEEN
CITY OF SMITHVILLE, MISSOURI**

**AND
HDR ENGINEERING, INC.
FOR
PROFESSIONAL ENGINEERING SERVICES**

FORCE MAIN BYPASS OF 144TH STREET PUMP STATION

Amendment Number 3 expands the original scope of the project to include additional services beyond the original scope, including support for easement acquisition and verification, coordination with USACE for funding and 508 compliance, correspondence with the Fairview Crossing Developer, expanded bidder evaluations, additional submittal and RFI reviews, highway bore redesign, Hills of Shannon sewer modifications, and added project management efforts.

The Scope of Services will more specifically include the following project improvements & tasks.

SCOPE OF SERVICES

Tasks 1 through 10 – Part of the Original Work Authorization 94 – Original Scope & Amendments 1 & 2.

Task 11. Additional Scope Items

1. Easement Acquisition Discussions and Court Appearance – HDR provided additional support for easement acquisition, including preparation of supplemental exhibits, participation in two in-person meetings with the City Attorney, and attendance at court proceedings related to condemnation.
 2. USACE Correspondence and 508 Compliance – Additional coordination was required with the United States Army Corps of Engineers (USACE) to address funding approval requirements and preparation of 508-compliant documentation not included in the original scope.
 3. Fairview Correspondence and redesign – HDR engaged in additional correspondence and meetings with the Fairview Crossing Developer and their Engineer to address project coordination and redesign of items outside the original scope of services.
 4. Additional Bidder Evaluation and coordination – HDR performed evaluations of the top three bidders and participated in an in-person meeting with the apparent low bidder to address concerns that arose during the bid review process.
 5. Additional Submittal reviews - Review of shop drawings, samples, and other submittals has exceeded the originally contracted twenty-five (25) reviews. To date, a total of one hundred thirty-one (131) submittals have been reviewed for conformance with the Contract Documents and the overall design intent of the project. An additional nine (9)
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submittals are anticipated prior to project completion, resulting in a total of one hundred forty (140) submittals.

6. Additional RFIs - HDR has provided clarifications and interpretations of the Contract Documents as necessary for the orderly completion of the Contractor's work. The original contract included review of five (5) RFIs; to date, eight (8) RFIs have been reviewed and responded to. An additional two (2) RFIs are anticipated prior to project completion, resulting in a total of ten (10) RFIs.
7. Easement Verification – Additional coordination and a site visit were required to verify easement boundaries with a property owner and their surveyor.
8. Bore Redesign – The bores at both highway crossings (HWY 169 and HWY 92) required redesign during construction due to unforeseen field conditions.
 - a. HWY 169 – During installation of the casing pipe beneath HWY 169, the bore encountered an existing 8-inch gas main, requiring emergency repairs. To resolve the utility conflict and maintain required clearances for the new force main, a revised bore profile was developed and the original casing was backfilled. Coordination with the City, Contractor, and MoDOT was required, and Sheet 30C104 was updated to reflect the revised bore profile and associated changes.
 - b. HWY 92 – Design adjustments were required to avoid an unmarked fiber optic line on the south side of HWY 92. Revisions included updated elevations for the 24-inch steel casing bore and an extended casing length totaling 140 linear feet. Coordination with the City and Contractor was required, and Sheet 30C108 was updated to reflect the revised bore profile and associated changes.
9. HOS Sewer – Due to unknown existing conditions at the Hills of Shannon Pump Station wet well, design of a new gravity sewer is required as part of decommissioning the pump station under this project. The scope includes development of up to two (2) preliminary design concepts for City review, followed by preparation of one (1) final drawing to be incorporated into the construction plan set.
10. Project Management – Internal schedule/cost control, and invoicing.

FEE

The CITY shall compensate ENGINEER for the Force Main Bypass of 144th Street Pump Station in an amount not to exceed \$464,730.00.

Original NTE:	\$346,050.00
Amendment No. 1	\$ 29,920.00
Amendment No. 2	\$ 19,450.00
Amendment No. 3	<u>\$ 69,310.00</u>
Total Contract NTE:	\$464,730.00

This AUTHORIZATION shall be binding on the parties hereto only after it has been duly executed and approved by the CITY and ENGINEER.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this AGREEMENT in duplicate on the respective dates indicated below.

(SEAL)

CITY: SMITHVILLE, MISSOURI

BY:

Type or Print Name

TITLE:

DATE:

(SEAL)

ENGINEER: HDR Engineering, Inc

BY:

Cory Imhoff, P.E.

TITLE:

Senior Vice President

DATE:

Staff	Bresette, Aaron J	Wiebelhaus, Mitchell John (Mitch)	Liao, Yixuan (Violet)	Farrow, Eric M	Dady, Caleb Jay	McCann, Victoria Ann (Tori)	Geha, Logan Brett	DeCou, Chekolah Jean	Palmentere, Anita Ann	Waters, Ian Thomas	Yakie, Johnny R	Shields, Tyler Brent			
Staff Name	Bresette, Aaron J	Wiebelhaus, M	Liao, Y	Farrow, E	Dady, C	McCann, V	Geha, L	DeCou, C	Palmentere, A	Waters, I	Yakie, J	Shields, T			
Rate Schedule Code	Technical Specialist/Senior Project Manager III	Project/Design Manager III	Engineer/Architect/Designer I	Engineer/Architect/Designer V	Engineer/Architect/Designer VI	Engineer/Architect/Designer III	Engineering Support Staff I	Engineering Support Staff I	Admin Assistant	Environmental/Water Quality Scientist/Modeler II	Survey Manager	Survey Technician/Construction Inspector II			Total
Billing Rate	\$325	\$220	\$130	\$190	\$210	\$155	\$110	\$110	\$95	\$150	\$200	\$125	Total HDR Hours	HDR Expenses	
Int #	TASKS														
11	Task 11 -Additional Scope Items														
1	Easement Acquisition Discussions and Court Appearance	2	12										14	\$200	\$3,490
2	USACE Correspondence and 508 Compliance		2							4	4		10		\$1,420
3	Fairview Correspondence and redesign		4	4								2	14		\$2,450
4	Additional Bidder Evaluation and coordination		6	2	2	2							12	\$100	\$2,530
5	Additional Submittal reviews		10	100	50	50	50						260		\$42,950
6	Additional RFIs		5	5	5	5							25		\$4,525
6	Easement Verification		4								2	2	8	\$55	\$1,585
8	Bore Redesign		12	14	2								28	\$55	\$4,895
9	HOS Sewer		4	10	2								16	\$55	\$2,615
10	Project Management	2	5				5	5					17		\$2,850
	Subtotal Hours	4	64	133	61	57	5	5	4	4	6	4	404		
	Subtotal Dollars	\$1,300	\$14,080	\$17,290	\$11,590	\$11,970	\$8,835	\$550	\$550	\$380	\$600	\$1,200	\$500	\$465	\$69,310
	Total Task 11														\$69,310
	Total Hours	4	64	133	61	57	5	5	4	4	6	4	404		404
	Total Billing Amount	\$1,300	\$14,080	\$17,290	\$11,590	\$11,970	\$8,835	\$550	\$550	\$380	\$600	\$1,200	\$500	\$465	\$69,310