



## Board of Aldermen Request for Action

**MEETING DATE:** 9/24/2024

**DEPARTMENT:** Public Works

**AGENDA ITEM:** Res 1405– Authorize mayor to sign Amendment 2 to Authorization No. 94 with HDR Engineering for an environmental evaluation of the 144<sup>th</sup> Street Pump Station and Force Main

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**REQUESTED BOARD ACTION:**

A motion to approve Resolution 1405, authorizing the mayor to sign Amendment 2 to Authorization No. 94 with HDR Engineering.

**SUMMARY:**

August 3, 2021 the Board approved Resolution 987, Authorization No. 94 with HDR for engineering services for the design of the 144<sup>th</sup> Street Pump Station and force main. May 7, 2024 the Board approved Resolution 1352, Amendment 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 144<sup>th</sup> Street Pump Station and Force Main.

Currently staff is working with the Corps to finalize the agreement which will be coming to the Board for approval / acceptance in the near future.

A requirement to receive federal funding is an Environmental Assessment (EA) for the project.

Staff and HDR have received the requirements of the EA from the Corps and Amendment 2 is the agreement for HDR to complete the assessment.

We have secured all the easements including the easements for the new alignment and have received the Division of Natural Resources Permit. Pending completion of the EA and the agreement with the Corps the project will be ready to bid.

Following is the estimated schedule:

Anticipated Project Schedule  
Anticipated NTP 09/24/2024

Draft EA to USACE 30 days after NTP  
USACE Review 14 days  
HDR Response to Comments 14 days  
USACE/Public comments 30 days  
USACE FONSI 30 days  
Advertise for Bid 14 days after USACE approval  
Anticipated Construction Estimated 300 calendar days after Notice to Proceed

The total for Authorization No. 94 is:

Original Contract: \$346,050  
Amendment No. 1 \$ 29,920  
Amendment No. 2 \$ 19,450  
Total Contract: \$395,420

**PREVIOUS ACTION:**

**POLICY ISSUE:**

Infrastructure Maintenance

**FINANCIAL CONSIDERATIONS:**

This project is included in the Combined Water and Wastewater System (CWWS) CIP.

**ATTACHMENTS:**

- |  |                                   |
|--|-----------------------------------|
| <input type="checkbox"/> Ordinance                   | <input type="checkbox"/> Contract |
| <input checked="" type="checkbox"/> Resolution       | <input type="checkbox"/> Plans    |
| <input type="checkbox"/> Staff Report                | <input type="checkbox"/> Minutes  |
| <input checked="" type="checkbox"/> Other: agreement |                                   |

## RESOLUTION 1405

### **A RESOLUTION AUTHORIZING AND DIRECTING THE MAYOR TO EXECUTE AMENDMENT 2 TO AUTHORIZATION NO. 94 WITH HDR ENGINEERING FOR AN ENVIRONMENTAL EVALUATION**

**WHEREAS**, the City hired HDR Engineering under Authorization No. 94 to develop plans for the construction of the 144<sup>th</sup> Street Pump Station and Force Main; and

**WHEREAS**, the City received notice of funding assistance under the Water Resources Development Act (WRDA); and

**WHEREAS**, an environmental assessment will need to be completed to receive the federal funding assistance; and

**WHEREAS**, HDR has provided Amendment 2 to Authorization No. 94 to complete the environmental evaluation in the amount of \$19,450.

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

**THAT** the Mayor is hereby authorized to execute Amendment 2 to Authorization No. 94 for the environmental evaluation for the 144<sup>th</sup> Street Pump Station and Force Main.

**PASSED AND ADOPTED** by the Board of Aldermen and **APPROVED** by the Mayor of the City of Smithville, Missouri, the 24<sup>th</sup> day of September, 2024.

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Damien Boley, Mayor

ATTEST:

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Linda Drummond, City Clerk

**AMENDMENT NO. 2 TO AUTHORIZATION NO. 94**  
**TO**  
**AGREEMENT BETWEEN**  
**CITY OF SMITHVILLE, MISSOURI**  
**AND**  
**HDR ENGINEERING, INC.**  
**FOR**  
**PROFESSIONAL ENGINEERING SERVICES**

**FORCE MAIN BYPASS OF 144<sup>TH</sup> STREET PUMP STATION**

**Amendment Number 2** expands the original scope of the project to include an environmental evaluation. The 144th St Pump Station Bypass and Force Main project has been awarded funding through the USACE Environmental Infrastructure Program and as a result is subject to the requirements of the National Environmental Policy Act (NEPA). Based on the potential impacts to the environment, USACE has determined the project requires an Environmental Assessment (EA) level of review. The purpose of this amendment is to assist City of Smithville with development of an EA, agency coordination, and public comment response.

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

**SCOPE OF SERVICES**

**Tasks 1 through 9 – Part of the Original Work Authorization 94 – Original Scope & Amendment 1.**

**Task 10. Environmental Assessment**

1. Purpose and Need: HDR will develop a simple Purpose and Need Statement using existing information.
  2. Alternatives Analysis: Two alternatives will be evaluated in the EA including the No-Build Alternative (the project not constructed) and one Build Alternative (project constructed with federal funding), which has already been developed. This task will define and describe the alternatives to support the alternative technical analyses and document the effects in the technical reports and EA.
  3. Technical Studies: The analysis of the NEPA alternatives will be completed as described below and documented with the EA. The technical analyses will build on the work completed during the previous permitting efforts and will focus on areas that are environmentally significant. Topics to be covered in the EA include the following.
    - a. Water Quality review on the EPA 303 List as it relates to Section 401 of the Clean Water Act
    - b. Wetlands/Waters of the U.S.
    - c. Biological Resources / Threatened & Endangered Species
    - d. Cultural Resources
    - e. Floodplains
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- f. Resource topics for which the Proposed Action and Alternatives have little or no measurable environmental effect will not be analyzed in the EA, and include: Land Use, Transportation and Traffic, Airspace, Electromagnetic Spectrum, Hazardous and Toxic Materials and Waste, Socioeconomics, Human Health and Safety, Recreation, Utilities, Air Quality, Noise, and Geology.
4. Environmental Assessment: The purpose of this task is to prepare a USACE-compliant NEPA document, along with supporting documentation. As confirmed by the USACE, the class of action for this project is an EA and Finding of No Significant Impact (FONSI). HDR will prepare an EA document according to USACE guidelines and NEPA polices. The EA will summarize the results of the baseline conditions, will identify the effects of the project alternatives, and will include necessary feasible mitigation measures to address these effects. HDR will submit the EA document and supporting technical reports to the City of Smithville and the USACE and will address one round of comments.
5. Internal QC Review – HDR will perform an internal quality control review on the Environmental Assessment document.
6. Agency / Public Coordination: Upon approval of the EA by USACE, USACE will place the document on public notice. During the public review period, HDR will compile comments and draft responses for City and USACE review.
7. Overall Project Management – Perform project management, scheduling, invoicing, and cost control for the project.

Task 10 Deliverables: Draft EA and Revised Draft EA (if comments are received)

### **Project Assumption**

1. No site visits are required.
2. The Technical Studies will be limited to desktop review and existing reports previously done by others.
3. Alternatives analysis will be limited to a No Action and one Proposed Action alternative (already developed).
4. Water Quality review will be qualitative.
5. A noise study is not required to complete the EA.
6. SHPO (Section 106s) compliance is complete; no archaeological or historical surveys are required or included. No tribal coordination is included.
7. USFWS (Section 7) documentation will be updated but no field assessments, habitat surveys, or acoustic surveys are anticipated or included.
8. A public hearing / public meeting will not be required and is not included.
9. One virtual kickoff meeting is included with USACE to discuss the Draft EA.

**Anticipated Project Schedule**

Anticipated NTP	09/09/2024
Draft EA to USACE	30 days after NTP
USACE Review	14 days
HDR Response to Comments	14 days
USACE/Public comments	30 days
USACE FONSI	30 days
Advertise for Bid	14 days after USACE approval
Anticipated Construction	Estimated 300 calendar days after Contractor NTP

**FEE**

The CITY shall compensate ENGINEER for the Force Main Bypass of 144<sup>th</sup> Street Pump Station in an amount not to exceed \$395,420.00.

Original NTE:	\$346,050.00
Amendment No. 1	\$ 29,920.00
Amendment No. 2	<u>\$ 19,450.00</u>
<b>Total Contract NTE:</b>	<b>\$395,420.00</b>

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:

\_\_\_\_\_  
Damien Boley

Type or Print Name

TITLE: Mayor

DATE: \_\_\_\_\_  
September 24, 2024

(SEAL)

ENGINEER: HDR Engineering, Inc

BY:

\_\_\_\_\_  
Cory Imhoff, P.E.

TITLE: Senior Vice President

DATE: \_\_\_\_\_

**Force Main Bypass of 144th Street Pump Station Amendment No. 2 (EA)  
Scope and Fee Estimate - 8/25/24**

		<b>Staff Name</b>	Wiebelhaus, M	Schwaller, J	Waters, I	DeCou, C	Geha, L			<b>Total</b>
		<b>Rate Schedule Code</b>	Engineer/Architect/Designer V	Senior Project Manager I	Environmental/Water Quality Scientist/Modeler I	Engineering Support Staff I	Engineering Support Staff I			
		<b>Project Role</b>								
		<b>Billing Rate</b>	\$205	\$280	\$120	\$105	\$105	<i>Total HDR Hours</i>	<i>HDR Expenses</i>	
<b>TASKS</b>										
<b>1</b>	<b>Task 1 -</b>									
1	Draft EA		2	20	64	4	4	94	\$100	\$14,630
2	Figure Development			1	8			9		\$1,240
3	Agency Coordination		2		16			18		\$2,330
4	Project Management		2			4	4	10		\$1,250
<b>Subtotal Hours</b>			<b>6</b>	<b>21</b>	<b>88</b>	<b>8</b>	<b>8</b>	<b>131</b>		
<b>Subtotal Dollars</b>			<b>\$1,230</b>	<b>\$5,880</b>	<b>\$10,560</b>	<b>\$840</b>	<b>\$840</b>		<b>\$100</b>	<b>\$19,450</b>
<b>Total Task 1</b>										<b>\$19,450</b>
<b>Total Hours</b>			<b>6</b>	<b>21</b>	<b>88</b>	<b>8</b>	<b>8</b>	<b>131</b>		<b>262</b>
<b>Total Billing Amount</b>			<b>\$1,230</b>	<b>\$5,880</b>	<b>\$10,560</b>	<b>\$840</b>	<b>\$840</b>		<b>\$100</b>	<b>\$19,450</b>

Estimated Project | \$19,450