



# LOWER PLATTE SOUTH

## natural resources district

3125 Portia Street | P.O. Box 83581 • Lincoln, Nebraska 68501-3581

P: 402.476.2729 • F: 402.476.6454 | www.lpsnrd.org

Agenda Item #11

### Memorandum

**Date:** February 13, 2026  
**To:** Urban Subcommittee   
**From:** Drew Bullett, Projects Coordinator  
**Subject:** Urban Subcommittee Meeting Minutes – February 2026

The Urban Subcommittee met on February 12, 2026, at the NRD Office, at 5:30 pm. Subcommittee members participating included committee chair David Landis, Gary Aldridge, Melissa Baker, Chuck Hassebrook, Stephanie Matejka, and Larry Ruth. Others participating included NRD staff David Potter, Bryce Jensen, Craig Matulka, and Drew Bullett. Justin Cermak from the Flatwater Group and Eric Suing from Houston Engineering were also in attendance. Subcommittee members Susan Seacrest and Christine Lamberty were absent. Director Landis called the meeting to order at 5:31 pm. The Subcommittee took action on two items. A quorum was present for the meeting.

#### **A. Consideration of Bids for the Middle Creek #5 Stabilization Project [ACTION]–**

Drew Bullett, Projects Coordinator, gave background information on the above-identified project. The Flatwater Group was hired in February of 2025 for engineering and design to stabilize areas identified on Middle Creek east of SW 40th Street. With the design complete, the project was put out to bid and received six bids. The low bid from Van Dorn Valley Construction was \$354,252.50. It was recommended by the Flatwater group as well as the NRD staff to accept the bid. This project is part of the Master Plan projects identified by the City of Lincoln and NRD. The cost will be shared 50/50 between the agencies. Further discussion and questions were answered by staff regarding the bidding process, and suggestions were made to advertise in more places.

- Work Type: Construction- Streambank Stabilization
- Budget: Included in FY26 Budget
- Funding: 50% NRD/50% City of Lincoln
- Amount: \$354,252.50
- Start: Upon Board Approval/February 2026
- Completion: July 2026
- Bid Using Unit Prices
- Delays: Weather
- Permits: USACE 404
- Access: No Concerns/Easements in place
- Payers, Players, & Partners: NRD, City of Lincoln, The Flatwater Group, Van Dorn Valley Construction
- Deliverables: Stabilized Streambank

**It was moved by Hassebrook, seconded by Matejka, and approved (5 yes and 1 present) by the Urban Subcommittee to recommend that the Board of Directors approve the low bid from Van Dorn Valley Construction for the Middle Creek #5 Stabilization Project for the amount of \$354,252.50.**

**B. Consideration of a Scope of Professional Services for Salt Creek and Oak Creek Culvert Inspections [ACTION]–**

Drew Bullett, Projects Coordinator, gave background information on the above-identified project. In the fall, routine inspections were conducted, identifying deficiencies in two Salt Creek drainage structures and one Oak Creek drainage structure. NRD staff proposed a professional agreement from Houston Engineering that contains a scope and fee for inspecting and providing recommendations for rehabilitation. These inspections will provide up-to-date statuses of each drainage structure, allowing staff to prioritize the risk-based urgency for repairs as well as a budgeting timeline. Further questions and discussion followed between staff and the directors on the scope fee, fall inspections, and the 2022 inspections completed by FYRA (now Houston). It was noted that this followed the G-3 Operating Policy procedure for hiring consultants for professional services, which allowed staff to hire Houston Engineering upon Board approval. See the attached memorandum from Bryce Jensen for more detailed information on the three drainage structures.

- Work Type: Professional Services
- Budget: Included in FY26 Budget
- Funding: NRD
- Amount: \$30,868.00
- Start: Upon Board Approval/February 2026
- Completion: June 30, 2026
- Bid Using Task/Fees/Hourly Rates
- Delays: Weather
- Permits: n/a
- Access: No Concerns
- Payers, Players, & Partners: NRD, Houston
- Deliverables: 3 Culvert Inspections/Recommendations

**It was moved by Hassebrook, seconded by Matejka, and approved (6 yes and 0 no) by the Urban Subcommittee to recommend that the Board of Directors approve the Professional Services Agreement from Houston Engineering for Salt Creek and Oak Creek Culvert Inspection and Rehabilitation Recommendation for the amount of \$30,868.00.**

**Update:**

An update was given by Bullett and Potter on the completion of the Deadmans Run NRD Basin Tree removal project. Drone footage was shown along with a discussion on the future plans of the area.

Adjourn: 6:22

Enclosures.

cc: Bob Andersen, Corey Wasserburger



A.

## LOWER PLATTE SOUTH natural resources district

3125 Portia Street | P.O. Box 83581 • Lincoln, Nebraska 68501-3581 | P: 402.476.2729 • F: 402.476.6454 | [www.lpsnrd.org](http://www.lpsnrd.org)

---

### Memorandum

**Date:** February 12, 2026  
**To:** LPSNRD- Urban Subcommittee  
**From:** Craig Matulka, Stormwater/Watershed Specialist  
**Subject:** Middle Creek #5- Stream Stability Project

---

The Lower Platte South Natural Resources District has received bids on Monday, February 2, 2026, for the Middle Creek #5 Stream Stabilization Project. The repair project is located on the main stem of Middle Creek, East of SW 40<sup>th</sup> Street. This project is a 50/50 split between the LPSNRD and the City of Lincoln agreed upon in the 2025 Interlocal Agreement on Stormwater Management. The LPSNRD is the lead agency on this project with the City of Lincoln reimbursing 50% at the completion of the project.

Currently, the Middle Creek along this reach has incised and transitioned into widening. Center bars and active slumps are still present throughout this section of the channel. The Flatwater Group was hired to design several grade control structures, which will help stabilize this reach by preventing future incision and upstream propagation. The Flatwater Group has provided plan design and construction bidding services, and will provide project oversight, project management coordination and communications with the Client and LPSNRD staff during the Construction Phase of the project.

Van Dorn Valley Construction Company from Denton, NE was the low bidder for this repair project, with a bid of \$354,252.50. The Engineer's estimate of probable cost of construction was \$706,043.63, which included a 15% contingency. The Flatwater group recommends notification of selection for the award of contract for the project to Van Dorn Valley Construction Company.



8200 Cody Drive, Suite  
A Lincoln, NE 68512-9550  
Phone: 402.435.5441  
Fax: 402.435.7108  
www.flatwatergroup.com

12 February 2026

Craig Matulka  
Lower Platte South NRD  
3125 Portia Street  
PO Box 83581  
Lincoln, NE 68501

**RE: Review and Recommendation of Bid Proposals for the Middle Creek #5 Stabilization Project**

Dear Craig:

The Flatwater Group, Inc. (TFG) has reviewed the bid proposals and tabulated the bids for the Middle Creek Stabilization Project. The bid opening was held at the office of Lower Platte South NRD at 2:00 PM on 2 February 2026. Six contractors submitted bid proposals for the above-mentioned Project.

Based on our review of the bids and checking the unit prices and extended prices, Van Dorn Valley Construction Co (Van Dom Valley) is the apparent low bidder at \$354,252.50. The next lowest bid was \$564,906.00 (Judds Bros. Construction Co) and the highest bid was \$819,223.00 (Lipse Construction).

The Engineer's estimate of probable cost of construction was \$706,043.63, which included a 15% contingency. The winning bid was approximately 50 percent lower than the Engineer's estimate and 37 percent lower than the next lowest bid. The primary differences affecting bid prices between the bidders were the unit prices for excavation disposal, sheet pile and the mobilization items.

Based on review of the bids and discussion with the low-bid contractor, TFG recommends notification of selection for the award of contract for the Project to Van Dorn Valley. TFG further recommends the NRD pursue the alternate bid items for the project. Van Dorn Valley indicated that there was some confusion on their end regarding the alternative bid items, which is why they did not bid them. They would be willing to provide a quote for those items.

TFG also recommends that Van Dorn Valley be requested to submit post bid information per Section 00100 Instructions to Bidders, Paragraph VI Post Bid Information (subparagraph B. Submissions) as soon as possible. It is my opinion that a request for submission of a Contractor's Qualification Statement (subparagraph A) is not necessary based conversations with the Contractor and their experience working with other NRDs.

We look forward to our continued work with you on this phase of this project. Should you have any questions do not hesitate to contact us at (402) 435-5441.

Sincerely,

Justin Cermak, P.E.  
Engineer of Record  
THE FLATWATER GROUP, INC.

ec: TFG Project File

**BID TABULATION**  
Middle Creek Stabilization Project  
2/2/2026



Bidder		Gana Trucking and Excavating 2200 W Panama Rd Marjell, NE 402-794-5000		General Excavating 6701 Cornhusker Hwy Lincoln, NE 68507 402-467-1627		Judds Bros. Construction Co 3835 N 68th St Lincoln, NE 68529 402-610-5420		Sibbensen Excavating PO Box 640 Valley, NE 817-771-9332		Lipsey Construction 3001 W Claire Ave. Lincoln, NE 68523 402-420-2929		Van Dom Valley Construction Co PO Box 417 Denton, NE 68339 402-617-6989			
5% Base Bid Security				yes		yes		yes		yes		yes			
Item No	Description	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total		
1	MOBILIZATION	LS	1	\$ 7,000.00	\$ 7,000.00	\$ 120,000.00	\$ 120,000.00	\$ 20,000.00	\$ 20,000.00	\$ 15,000.00	\$ 15,000.00	\$ 50,000.00	\$ 50,000.00	\$ 9,200.00	\$ 9,200.00
2	CONSTRUCTION STAKING	LS	1	\$ 9,500.00	\$ 9,500.00	\$ 8,000.00	\$ 8,000.00	\$ 15,000.00	\$ 15,000.00	\$ 3,000.00	\$ 3,000.00	\$ 10,000.00	\$ 10,000.00	\$ 2,800.00	\$ 2,800.00
3	EROSION AND SEDIMENT CLEARING AND GRUBBING	LS	1	\$ 16,322.00	\$ 16,322.00	\$ 22,796.00	\$ 22,796.00	\$ 14,000.00	\$ 14,000.00	\$ 12,500.00	\$ 12,500.00	\$ 45,000.00	\$ 45,000.00	\$ 12,500.00	\$ 12,500.00
4	EXCAVATION AND DISPOSAL	LS	1.0	\$ 16,220.00	\$ 16,220.00	\$ 25,000.00	\$ 25,000.00	\$ 18,000.00	\$ 18,000.00	\$ 15,000.00	\$ 15,000.00	\$ 85,000.00	\$ 85,000.00	\$ 2,680.00	\$ 2,680.00
5	TYPE 'B' ROCK RIPRAP	CY	6.406	\$ 18.98	\$ 121,585.88	\$ 24.00	\$ 153,744.00	\$ 12.00	\$ 76,872.00	\$ 18.50	\$ 124,917.00	\$ 14.00	\$ 89,684.00	\$ 8.00	\$ 51,248.00
6	TYPE 'C' ROCK RIPRAP	TON	567	\$ 94.75	\$ 53,723.25	\$ 119.00	\$ 67,473.00	\$ 120.00	\$ 68,040.00	\$ 90.00	\$ 51,030.00	\$ 120.00	\$ 68,040.00	\$ 80.00	\$ 45,360.00
7	3" ROCK INFILL FOR RIPRAP	TON	1,520	\$ 95.04	\$ 144,460.80	\$ 118.00	\$ 179,360.00	\$ 120.00	\$ 182,400.00	\$ 90.00	\$ 136,800.00	\$ 125.00	\$ 180,000.00	\$ 85.00	\$ 129,200.00
8	5 GAUGE STEEL SHEET PILE	SQ FT	5,280	\$ 49.02	\$ 258,825.60	\$ 25.00	\$ 132,000.00	\$ 27.00	\$ 142,560.00	\$ 48.00	\$ 253,440.00	\$ 50.00	\$ 264,000.00	\$ 14.75	\$ 77,880.00
9	COVER CROP SEEDING	AC	4.7	\$ 3,165.00	\$ 14,875.50	\$ 1,800.00	\$ 7,520.00	\$ 1,800.00	\$ 8,460.00	\$ 1,500.00	\$ 7,050.00	\$ 500.00	\$ 2,350.00	\$ 900.00	\$ 4,230.00
10	TYPE 2 SEEDING (NATIVE GRASSES AND FORBS MIX)	AC	1.2	\$ 2,818.00	\$ 3,381.60	\$ 6,500.00	\$ 7,800.00	\$ 5,000.00	\$ 6,000.00	\$ 1,800.00	\$ 2,160.00	\$ 2,500.00	\$ 3,000.00	\$ 5,750.00	\$ 6,900.00
11	EROSION CONTROL BLANKET	SY	2,858	\$ 2.06	\$ 5,887.48	\$ 4.53	\$ 12,946.74	\$ 3.00	\$ 8,574.00	\$ 2.50	\$ 7,145.00	\$ 3.00	\$ 8,574.00	\$ 2.75	\$ 7,859.50
12	RUBBLE DISPOSAL	CY	28	\$ 109.57	\$ 3,067.96	\$ 26.00	\$ 728.00	\$ 75.00	\$ 2,100.00	\$ 150.00	\$ 4,200.00	\$ 50.00	\$ 1,400.00	\$ 100.00	\$ 2,600.00
<b>Total Base Bid Price</b>				\$ 657,104.24		\$ 740,064.74		\$ 564,906.00		\$ 634,127.00		\$ 819,223.00		\$ 354,252.50	
Item No	Bid Alternates	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
A1	TYPE 'B' ROCK RIPRAP, QUARTZITE	TON	567	\$ 115.22	\$ 65,329.74	\$ 125.00	\$ 70,875.00	\$ 131.50	\$ 74,560.50	\$ 115.00	\$ 65,205.00	\$ 175.00	\$ 99,225.00	no bid	-
A2	TYPE 'C' ROCK RIPRAP, QUARTZITE	TON	1,520	\$ 115.51	\$ 175,575.20	\$ 123.00	\$ 186,960.00	\$ 131.50	\$ 199,680.00	\$ 115.00	\$ 174,800.00	\$ 180.00	\$ 273,600.00	no bid	-
A3	3 GAUGE STEEL SHEET PILE	SQ FT	5,280	\$ 50.22	\$ 265,161.60	\$ 26.00	\$ 137,280.00	\$ 30.00	\$ 158,400.00	\$ 50.00	\$ 264,000.00	no bid	-	no bid	-
<b>Total Alternative Bid Price</b>				\$ 506,066.54		\$ 389,835.00		\$ 432,840.50		\$ 504,005.00		no bid		no bid	
<b>Total Bid Price adjusted for Alternates</b>				\$ 706,161.13		\$ 751,066.74		\$ 604,746.50		\$ 698,862.00		no bid		no bid	
<b>Ranking</b>				4		5		2		3		6		1	
<b>Notes</b>				Item A3 - discrepancy between Unit and Total price. Does not affect ranking.											

2/4/2026

The Flatwater Group, Inc.



Document Page #6



B.

# LOWER PLATTE SOUTH natural resources district

3125 Portia Street | P.O. Box 83581 • Lincoln, Nebraska 68501-3581  
P: 402.476.2729 • F: 402.476.6454 | www.lpsnrd.org

## Memorandum

Date: February 6, 2026  
To: Urban Subcommittee  
From: Bryce Jensen, Land & Flood Control Operations Coordinator *BJ*  
Subject: Agreement for Professional Services with Houston Engineering, Inc.

---

After conducting routine fall inspections on Salt Creek and Oak Creek, deficiencies were noted on two (2) Salt Creek drainage structures and one (1) Oak Creek drainage structure. Some of these deficiencies were noted in past inspections but have been monitored for progressed deterioration of the drainage structure. Below are the noted deficiencies for each drainage structure in the proposed professional services agreement.

### Salt Creek Drainage Structures:

**Sta. 309+35R (former Nebraska State Fairgrounds):** Drainage structure does not have positive drainage, corrosion on inside of culvert pipes, timber pile structure rotten and breaking, outlet channel silted in and missing riprap.

**Sta. 322+40L (21<sup>st</sup> St. and Yolande Ave.):** Culvert pipe upstream of catch basin is fractured and collapsing, outlet channel obstructions, unknown corrosion.

### Oak Creek Drainage Structure:

**NW 1<sup>st</sup> Street** Large sink holes in berm above culvert pipe.

The proposed professional services agreement with Houston Engineering contains a scope and fees for inspecting these drainage structures and recommendations for rehabilitation. These inspections will provide an up-to-date status of each drainage structure for more accurate analysis, rating, and prioritization. The risk-based prioritization aids the District with the urgency of rehabilitation/repairs and budgeting timeline. Construction design, specifications, and permitting are not part of this agreement. The District will proceed with additional agreements for professional services pending the results of the inspections and engineer's recommendations for rehabilitation.



## LOWER PLATTE SOUTH natural resources district

3125 Portia Street | P.O. Box 83581 • Lincoln, Nebraska 68501-3581  
P: 402.476.2729 • F: 402.476.6454 | [www.lpsnrd.org](http://www.lpsnrd.org)

Houston Engineering, Inc. has completed similar District projects in the past with satisfactory results. Having inspected the Salt Creek Levee drainage structures in 2022, they are knowledgeable and familiar with the levee system and hold previous inspections, records, and recommendations for the drainage structures within.

Enc. (1) Houston Engineering, Inc. Services Agreement & Scope

**CLIENT/OWNER SERVICES AGREEMENT**

PROJECT NAME: SALT CREEK 309+35R & 322+40L OAK CREEK N. 1ST STREET CULVERT INSPECTION AND REHABILITATION RECOMMENDATION

HOUSTON JOB NO.: 0173-0017 HOUSTON PROJ. MGR.: Chris Furman

CLIENT/OWNER NAME: Lower Platte South Natural Resources District (LSPNRD)

CLIENT/OWNER ADDRESS: 3125 Portia Street Lincoln NE 68521

CLIENT/OWNER PHONE NO.: 402.476.2729 CLIENT/OWNER CONTACT: Bryce Jensen bjensen@lpsnrd.org

This Client/Owner Services Agreement ("Agreement") is made and entered into effective as of this 18 day of February, 2026, ("Effective Date") by and between HOUSTON ENGINEERING, INC. ("Houston") and the Lower Platte South Natural Resources District ("Client").

Recitals

- A. Client has requested Houston to perform certain professional services in connection with a project generally referred to as SALT CREEK 309+35R & 322+40L OAK CREEK N. 1ST STREET CULVERT INSPECTION AND REHABILITATION RECOMMENDATION ("Project").
- B. Houston desires to provide the professional services requested by Client in accordance with this Agreement.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Houston and Client agree as follows:

1. **Services.** Houston shall perform the services set forth in Attachment A ("Services") in accordance with the terms and conditions of this Agreement.

2. **Term of Agreement.** This Agreement shall commence on the date first stated above, and Houston is authorized to commence performance of the Services as of that date. This Agreement shall terminate on June 30, 2026, unless terminated earlier pursuant to the terms and conditions of this Agreement.

3. **Attachments.** The Attachments below, which have been marked for inclusion, are hereby specifically incorporated into and made a part of this Agreement:

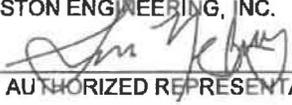
- ATTACHMENT A - SERVICES (Houston assumes no responsibility to perform any services not specifically listed.)
- ATTACHMENT B - GENERAL TERMS AND CONDITIONS
- ATTACHMENT C - \_\_\_\_\_
- ATTACHMENT D - \_\_\_\_\_
- FEE SCHEDULE - DATED 02/05/2026.
- ALTA/NSPS LAND TITLE SURVEY RIDER

4. **Compensation.**

- \$ \_\_\_\_\_ Lump Sum Fee - Based on the Services defined herein
- \$ 30,868 Estimated Fee - Client invoiced on an hourly basis commensurate with the attached Fee Schedule
- \$ \_\_\_\_\_ Percentage of Estimated Construction Cost
- \$ \_\_\_\_\_ Other - \_\_\_\_\_

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed as of the date first above written:

CLIENT/OWNER  
BY: \_\_\_\_\_  
AUTHORIZED REPRESENTATIVE  
TITLE: \_\_\_\_\_

HOUSTON ENGINEERING, INC.  
BY:   
AUTHORIZED REPRESENTATIVE  
TITLE: Senior Project Engineer, Office Manager

**SALT CREEK 309+35R & 322+40L, OAK CREEK N. 1<sup>ST</sup> STREET CULVERT INSPECTION AND  
REHABILITATION RECOMMENDATION  
SCOPE OF PROFESSIONAL SERVICES  
TO BE PERFORMED BY:  
HOUSTON ENGINEERING, INC. (HEI)  
ON BEHALF OF:  
LOWER PLATTE SOUTH NATURAL RESOURCES DISTRICT  
06 FEBRUARY 2026**

---

**BACKGROUND**

The Lower Platte South Natural Resources District has requested a scope and fees for inspecting and recommending rehabilitation alternatives for 3 culverts within the District's jurisdiction.

Two culverts are on the Salt Creek between N 14<sup>th</sup> and N 27<sup>th</sup> Streets in Lincoln, NE.

- Salt Creek Culvert 309+35R was inspected in 2022 by Houston Engineering (operating as FYRA Engineering). During that inspection, the culvert showed signs of minor culvert/liner deterioration, deficient drainage, silted/impeded outfall, mis-aligned flap gate, deterioration of the pipe support, and dislocation of riprap outlet protection.
- Salt Creek Culvert 322+40L was also inspected in 2022. During that inspection, the culvert showed signs of moderate/severe surface corrosion with perforations and hinge cracking visible upstream of the catch basin. Debris and trash were evident in the upstream culvert segment and maintenance issues were observed at the culvert outlet/flap gate.

One culvert is on the Oak Creek near N. 1<sup>st</sup> Street in Lincoln, NE.

- Oak Creek 60" CMP Culvert has not been inspected. Little information is known about the culvert at this time to determine the type and severity of hydraulic and maintenance issues that exist.

The objective of the project is to determine the status of each culvert and provide repair alternatives. Technical data would be developed to define and address problems and objectives for the project.



## TASK 1 – PROJECT MANAGEMENT

HEI will provide the Client regular updates, and that the Scope will address agency concerns before moving forward on other work items. More detail on each subtask is provided as follows:

### *SUBTASK 1.1 – LPSNRD COORDINATION MEETINGS*

Preparation for and attendance of up to one (1) Subcommittee and one (1) Board meeting, exclusive of other meetings specified in this document, with the Lower Platte South Natural Resources District (LPSNRD) to answer any questions or address comments related to the project.

### *SUBTASK 1.2 – MONTHLY INVOICING & PROJECT SCHEDULE UPDATES*

Preparation of monthly project invoices, incorporation of subconsultant invoices and a summary of work completed during the invoice period. Invoices will be sent to the LPSNRD. Updates will include budget and schedule tracking.

### *SUBTASK 1.3 – PROJECT COORDINATION MEETINGS*

Preparation for and attendance of up to two (2) project coordination meetings with LPSNRD staff to discuss inspections and EOPCC, exclusive of other meetings specified in this document. Meeting minutes will be prepared by HEI and distributed after each meeting for approval by the LPSNRD and stakeholders.

## TASK 2 – SURVEY AND CONFINED SPACE ENTRY PLANS

HEI will analyze flood flow characteristics in the study area. Refer to Exhibit A for the extents of services provided under Task 2.

### *SUBTASK 2.1 – EXISTING INFORMATION REVIEW/SUMMARY*

Gathering all as-built data on a total of three (3) culverts from existing USACE O&M and other as-built data.

### *SUBTASK 2.2 – CONFINED SPACE ENTRY PLANS*

Development of confined space entry plans for up to three (3) culverts in accordance with the Nebraska Department of Labor, Office of Safety Confined Space Program.

### *SUBTASK 2.3 – INITIAL SITE VISIT/SURVEY*

Initial site visit of each survey to determine entry locations, type of entry, and air quality readings if confined space plan is required. Exterior culvert inspection and feature surveys.



## **TASK 3 – CULVERT INTERIOR AND SITE INSPECTIONS**

### ***SUBTASK 3.1 – CULVERT CLEANING***

Cleaning and jetting (by a subcontractor) of up to three (3) culverts. Jetted material/water will be discharged into Salt Creek and Oak Creek, for the respective culverts.

### ***SUBTASK 3.2 – STRUCTURE INSPECTIONS***

Culvert inspections of up to three (3) culverts by means of personal inspection of larger culverts (60" diameter and above) and video crawler inspection of all other culverts. Videos will be provided for all inspections.

### ***SUBTASK 3.3 – DATA PROCESSING***

Categorization of inspection information for up to three (3) culverts.

## **TASK 4 – ENGINEERING ANALYSIS**

### ***SUBTASK 4.1 – SITE NARRATIVES***

Development of a site narrative for up to three (3) culverts. Site narrative will include description of culvert, site location map, existing as-built information, findings of the inspections, and other details that are important for culvert analysis. Photos will be included from the site inspection task.

### ***SUBTASK 4.2 – PREPARE CULVERT INSPECTION REPORTS AND PRELIMINARY RATINGS***

Preparation of up to three (3) culvert inspection reports following NAASCO's Pipeline Assessment Certification Program (PACP) standards along with other guidelines outlined in USACE's EM 1110-2-2902 Conduits Pipes, and Culverts Associated with Dams and Levee Systems. Reports shall include culvert information (size, location, type, joint length, bend locations, etc.), location and descriptions of deficiencies, photos of the deficiencies, and preliminary pipe rating.

### ***SUBTASK 4.3 – HYDROLOGIC AND HYDRAULC ANALYSIS***

Assessment of the hydrology and hydraulics of up to three (3) culverts for the purpose of guiding the probable R/R/R alternatives. Includes coarse watershed/drainage area analysis, existing and proposed culvert hydraulics analysis, and flow routing so that decisions about culvert alterations that may affect hydraulics can be made.

### ***SUBTASK 4.4 – FINALIZE CULVERT RATINGS***

Detailed review of inspection reports and final culvert ratings of up to three (3) culverts using both PACP ratings and USACE levee inspection ratings.



## TASK 5 – CULVERT RATINGS AND DELIVERABLES, PRIORITIZATION

### *SUBTASK 2.9 – QUALITY REVIEW OF DELIVERABLES*

Internal review of all narratives, inspection reports, R/R/R alternatives, and cost estimates. All reviews will be completed by a professional engineer registered in the State of Nebraska.

### *SUBTASK 2.10 – FINAL DELIVERABLES*

Hard copies (number to be determined by the LPSNRD) and electronic documents of narratives, inspection reports, and R/R/R alternatives and cost estimates.

### *SUBTASK 2.11 – IDENTIFY PROBABLE R/R/R ALTERNATIVES*

Identify probable methods of repair/replacement/rehabilitation for the three (3) inspected culverts that are determined to need attention in the near future. Methods of rehabilitation will be developed in line with USACE guidelines and Omaha District standards. A cost estimate will be developed using current day bid prices for the probable alternative for the three inspected (3) culverts.

### *SUBTASK 2.12 – RISK-BASED STRUCTURE R/R/R PRIORITIZATION*

Develop a risk-based prioritization plan for the culverts needing future attention. Culverts will be assessed for probability of system failure due to culvert deficiencies, protected area behind the system, and estimated costs of probable rehabilitation methods.

## FEE ESTIMATE

### **Salt Creek Culverts (309+35R & 322+40L)**

To perform the tasks included in this Scope, we estimate a fee of **\$19,929** for the completion of the two (2) Salt Creek culverts is required. Any tasks not described in this document that may be desired, or needed, would have to be evaluated to determine if additional costs would be required. Below is a summary of the anticipated cost requirements for each Phase:

TASK 1 – Project management	<b>\$3,334</b>
TASK 2 – Survey & Confined Space Entry Plans	<b>\$2,555</b>
TASK 3 – Culvert Interior and Site Inspections	<b>\$6,726</b>
TASK 4 – Engineering Analysis	<b>\$5,017</b>
TASK 5 – Culvert Ratings and Deliverables, Prioritization	<b>\$2,297</b>

---

**Total Proposal Amount = \$19,929**



**Oak Creek Culvert (N. 1<sup>st</sup> Steet)**

To perform the tasks included in this Scope, we estimate a fee of **\$10,939** for the completion of the Oak Creek culvert is required. Any tasks not described in this document that may be desired, or needed, would have to be evaluated to determine if additional costs would be required. Below is a summary of the anticipated cost requirements for each Phase:

TASK 1 – Project management	<b>\$1,667</b>
TASK 2 – Survey & Confined Space Entry Plans	<b>\$1,733</b>
TASK 3 – Culvert Interior and Site Inspections	<b>\$3,363</b>
TASK 4 – Engineering Analysis	<b>\$2,789</b>
TASK 5 –Culvert Ratings and Deliverables, Prioritization	<b>\$1,387</b>

---

**Total Proposal Amount = \$10,939**

The total for both phases is **\$30,868**.

While this provides a general breakdown of anticipated fee requirements per Phase, HEI reserves the right to move resources between Phases as required to meet objectives defined in each Phase.

**TIMELINE**

Professional services outlined in this Scope of Professional Services are anticipated to be completed by June of 2026, assuming work can begin on or before March 2026. Field data acquisition would ideally occur before spring thaw.

**ASSUMPTIONS**

To complete the improvements to the Salt Creek and Oak Creek Culvert Inspections and EOPCC there are many unknown variables in which the planning effort will evaluate. To develop this Scope of Professional Services and the associated Fee Estimate, we assumed the following:

- o Right-of-way will be estimated using any available legal survey, if available, or assumed section lines.
- o LiDAR data will be used in areas where survey data is not acquired.
- o Any additional meetings required that are not defined in this Scope will result in additional costs. The HEI Project Manager will make the Client aware of these situations before extra costs are incurred.
- o HEI will provide copies of all deliverables in digital (pdf) format, as well as enough hard copies as requested by the Client.
- o Digital information will be made available to the Client as needed. The specific formats and data required will be discussed and mutually agreed on by both HEI and the Client prior to any data exchanges. HEI is not liable for usage by a 3<sup>rd</sup> party of data provided to the Client.
- o If an amendment is required to this Scope, the HEI Project Manager will communicate the required additional costs to the Client.
- o Deliverables developed from this Scope are not to be used for construction, land rights, permitting, or any other implementation activities. All design and analysis completed under this Scope should be considered preliminary, only to be used by the Client for future planning



## General Terms and Conditions

### 1. STANDARD OF CARE

Houston shall perform its Services in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances in the region where the Project is located.

### 2. PAYMENT TERMS

Invoices will be submitted periodically (customarily on a monthly basis) and are due and payable upon receipt. Client agrees to pay a service charge on all accounts 30 days or more past due at a rate equal to one percent (1%) each month but in no event shall such service charge exceed the maximum amount allowed by law. Acceptance of any payment from Client without accrued service charges shall not be deemed to be a waiver of such service charges by Houston. In the event Client is past due with respect to any invoice Houston may, after giving seven (7) days written notice to Client, suspend all services without liability until Client has paid in full all amounts owing Houston on account of services rendered and expenses incurred, including service charges on past due invoices. Payment of invoices is not subject to discount or offset by Client.

### 3. CHANGES OR DELAYS

If the Project requires conceptual or process development services, such services often are not fully definable in the initial planning. If, as the Project progresses, facts develop that in Houston's judgment dictate a change in the Services to be performed, Houston shall inform Client of such changes and the parties shall negotiate, in good faith, with respect to any change in scope and adjustment to the time of performance and compensation and modify the Agreement accordingly. Houston may also proceed with additional services specifically requested in writing by the Client, including electronic communications, without a written modification to the Agreement. Client shall compensate Houston for the additional services in an amount equal to the cumulative hours worked multiplied by the billing rates specified in the Agreement, or based on Houston's standard billing rates if billing rates are not specified in the Agreement; plus reimbursement of expenses incurred in connection with providing the additional services. In the event the parties are unable to reach an agreement, either party may terminate this Agreement without liability by giving fourteen (14) days written notice to the other party. In the event of termination, the final invoice will include all Services and expenses associated with the Project up to the effective date of termination and will also include equitable adjustment to reimburse Houston for any termination settlement costs incurred relating to commitments that had become firm before termination plus a 10 percent markup on those settlement costs.

### 4. PAYMENT

Where the method of payment under the Agreement is based upon cost reimbursement (e.g., hourly rate, time and materials, direct personnel expense, per diem, etc.), the following shall apply: (a) the minimum time segment for charging work is one-quarter hour; (b) labor (hours worked) and expenses will be charged at rates commensurate with the attached fee schedule or, if none is attached, with Houston's current fee schedule (at the time of the work); (c) when applicable, rental charges will be applied to cover the cost of pilot-scale facilities or equipment, apparatus, instrumentation, or other technical machinery. When such charges are applicable, Client will be advised at the start of an assignment, task, or phase; and (d) invoices based upon cost reimbursement will be submitted showing labor (hours worked) and total expense. If requested by Client, Houston shall provide supporting documentation at Client's cost, including labor and copying costs.

### 5. TERMINATION

Either party may terminate this Agreement, in whole or in part, by giving thirty (30) days written notice to the other party if the other party fails to fulfill its obligations under this Agreement through no fault of the terminating party. In such event, and subject to the limitations set forth in this Agreement, the non-defaulting party may pursue its rights and remedies as contemplated by this Agreement and as allowed by law.

### 6. BETTERMENT

If any item or component of the Services or an amended Task Order is required due to omission from the original documents or Task Order provided to Houston, Houston's liability shall be limited to the reasonable costs of correction of the omission, less the cost to Client if the omitted item or component had been initially included in the original documents or Services documents. All costs of errors, omissions or other changes that result in betterment shall be borne by Client and shall not be a basis of a claim against Houston. In no event will Houston be responsible for that portion of any cost or expense that provides betterment or upgrades or enhances the value of the Services.

### 7. LIMITATION OF LIABILITY

In no event shall Houston be liable for punitive, special, incidental, indirect, consequential, or lost profit damages of any kind or nature, regardless of the form of action to which such damages are sought. Houston's maximum cumulative liability with respect to all claims and liabilities under this Agreement, whether or not insured, shall not exceed the greater of \$50,000 or the total compensation received by Houston under this Agreement, whether such claim is based on negligence, breach of contract, or any other theory. The disclaimers and limitations of liability set forth in this Agreement shall apply regardless of any other contrary provision set forth and regardless of the form of action, whether in contract, tort or otherwise. Each provision of this Agreement which provides for a limitation of liability, disclaimer of warranty or condition or exclusion of damages is severable and independent of any other provision and is to be enforced as such. Client hereby releases Houston from any and all liability over and above the limitations set forth in this paragraph.

### 8. INSURANCE

Houston shall obtain and maintain during the term of this Agreement, at its own expense, workers' compensation insurance and commercial general liability insurance in amounts determined by Houston and will, upon request, furnish insurance certificates to Client. The existence of any such insurance shall not increase Houston's liability as limited by paragraph 7 above.

### 9. HAZARDOUS SUBSTANCES

Client shall furnish or cause to be furnished to Houston all documents and information known by Client that relate to the identity, location, quantity, nature, or characteristics of any asbestos, pollutant, or hazardous substance, however defined ("Hazardous Substances") at, on or under the Project site. Houston is not, and has no responsibility as a handler, generator, operator, treater, storer, transporter, or disposer of Hazardous Substances found or identified at the Project. Client agrees to bring no claim for fault, negligence, breach of contract, indemnity, or other action against Houston, its principals, employees, agents, and consultants, if such claim in any way would relate to Hazardous Substances in connection with the Project. If Hazardous Substances are identified or located at the Project site, Houston may suspend all Services without liability until remediation of the Hazardous Substances is complete. Houston reserves the right to adjust the attached Fee Schedule or any rate schedule of

Houston's subconsultants for specialized fees or services related to remediation of Hazardous Substances as agreed in writing between Houston and Client. Client further agrees, to the fullest extent permitted by law, to defend, indemnify, and hold harmless Houston, its principals, employees, agents, and consultants and subconsultants from and against all fees, costs, claims, damages, losses, and expenses, direct or indirect, or consequential damages, including but not limited to fees and charges for third-party remediation specialists, experts, attorneys, and court and arbitration costs, arising out of or resulting from the performance of Houston's Services hereunder, or claims brought against Houston by third parties arising from Houston's Services or the services of others and/or work in any way associated with Hazardous Substance activities. This indemnification shall survive termination of this Agreement.

**10. INDEMNIFICATION**

Client shall indemnify, defend, and hold harmless Houston, together with its officers, directors, shareholder, agents, consultants and employees from and against any and all claims, costs, losses and damages, including attorneys' fees and other costs of litigation or dispute resolution arising directly or indirectly from Client's breach of this Agreement or Client's fault, negligent acts or omissions or intentional misconduct in connection with this Agreement or the Project. Subject to the limitations set forth in this Agreement, Houston shall indemnify and hold harmless Client, together with its officers, directors, and employees from and against any and all, costs, losses and damages, including reasonable attorneys' fees and other costs of litigation or dispute resolution to the extent caused by Houston's fault, negligent acts or omissions in connection with this Agreement or the Project. The indemnification obligations set forth in this paragraph shall survive termination of this Agreement.

**11. WARRANTY**

Except as specifically set forth in this Agreement, Houston has not made and does not make any warranties or representations whatsoever, express or implied, as to Services performed or products provided including, without limitation, any warranty or representation as to: (a) the merchantability or fitness or suitability of the Services or products for a particular use or purpose whether or not disclosed to Houston; and (b) delivery of the Services and products free of the rightful claim of any person by way of infringement (including, but not limited to, patent or copyright infringement) or the like. Houston does not warrant and will not be liable for any design, material or construction criteria furnished or specified by Client and incorporated into the Services provided hereunder.

**12. CONTRACTOR MEANS AND METHODS**

Houston has no control over, supervision of, or responsibility for construction of the Project or at the Project site. Client is solely responsible for retaining a qualified contractor or contractors licensed in the jurisdiction of the project (separately or collectively, the "Contractor") to implement the construction of the Project ("Work"). Contractor shall coordinate, control, supervise, and direct all portions of the Work and shall be solely responsible for, and have control over, construction means, methods, techniques, sequences, procedures, safety, and security. Houston shall not be responsible for and shall bear no liability for Contractor's failure to perform the Work in accordance with the requirements of the Project and any documents or contracts related to the Project. To the fullest extent permitted by law, Contractor shall indemnify and hold harmless Client, Houston, and Houston's subconsultants, officers, directors, shareholder, agents, consultants, and employees from and against claims, damages, losses, and expenses, including but not limited to attorneys' fees and costs, arising out of or resulting from performance of the Work. Contractor shall provide insurance and name Client, Houston, and Houston's subconsultants as additional insureds on Contractor's commercial general liability insurance policies on a primary and non-contributory basis. The amount of coverage available to the additional insureds shall be the amount of coverage required in the Client-Contractor agreement.

**13. PROJECT SITE**

Client shall furnish such reports, data, studies, plans, specifications, documents, and other information regarding surface and subsurface site conditions required by Houston for proper performance of its Services. Houston shall be entitled to rely upon Client provided documents and information in performing the Services required under this Agreement. Houston assumes no responsibility or liability for the accuracy or completeness of any such documents or information. Houston will not direct, supervise, or control the Work, means or methods of Contractor or its/their subcontractors in connection with the Project. Houston's Services will not include a review or evaluation of the Contractor's or subcontractor's safety measures. The presence of Houston, its employees, agents, or subcontractors on a site shall not imply that Houston controls the operations of others, nor shall it be construed to be an acceptance by Houston of any responsibility for jobsite safety.

**14. CONFIDENTIALITY**

Houston shall maintain as confidential and not disclose to others without Client's prior consent all information obtained from Client that was not otherwise previously known to Houston or in the public domain and is expressly designated by Client in writing to be "CONFIDENTIAL." The provisions of this paragraph shall not apply to information in whatever form that (a) is published or comes into the public domain through no fault of Houston, (b) is furnished by or obtained from a third party who is under no obligation to keep the information confidential, or (c) is required to be disclosed by law on order of a court, administrative agency, or other authority with proper jurisdiction. Client agrees that Houston may use and publish Client's name and a general description of Houston's services with respect to the Project in describing Houston's experience and qualifications to other clients or potential clients.

**15. RE-USE OF DOCUMENTS**

All documents, including drawings and specifications, prepared or furnished by Houston (and Houston's affiliates, agents, subsidiaries, independent professional associates, consultants, and subcontractors) pursuant to this Agreement are instruments of service in respect of the Project, and Houston shall retain ownership thereof, whether or not the Project is completed. Client may make and retain copies for information and reference in connection with the Project; however, such documents are not intended or represented to be suitable for re-use by Client or others on extensions of the Project or on any other project. Any re-use without written verification or adaptation by Houston for the specific purpose intended will be at Client's sole risk and without liability to Houston or Houston's affiliates, agents, subsidiaries, independent professional associates, consultants, and subcontractors with respect to any and all costs, expenses, fees, losses, claims, demands, liabilities, suits, actions, and damages whatsoever arising out of or resulting therefrom. Any such verification or adaptation will entitle Houston to further compensation at rates to be agreed upon by Client and Houston. Client shall indemnify, defend, and hold harmless Houston, together with its officers, directors, shareholder, agents, consultants and employees from and against any and all claims, costs, losses, and damages, including attorneys' fees and other costs of litigation or dispute resolution arising directly or indirectly from Client's re-use of all information, documents, drawings, specifications prepared as part of the Project.

**16. REMEDIES**

Subject to the limitations set forth in this Agreement, in the event any party is in default of this Agreement, the non-defaulting party shall be entitled to pursue all rights and remedies available to it under this Agreement or as allowed by law.

**17. PROPRIETARY DATA**

The technical and pricing information in connection with the Services provided by Houston is confidential and proprietary and is not to be disclosed or otherwise made available to third parties by Client without the express written consent of Houston.

**18. GOVERNING LAW**

The validity, construction and performance of this Agreement and all disputes between the parties arising out of or related to this Agreement shall be governed by the laws, without regard to the law as to choice or conflict of law, of the State of North Dakota. Client consents to jurisdiction as to all issues concerning or relating to this Agreement or the Project with the federal or state district courts designated for Cass County, North Dakota.

**19. DATA PRACTICES ACT REQUESTS**

Houston considers certain information developed during the execution of services as "not public" and "protected" from public disclosure under the various local, state, and federal data practices laws. Client shall reimburse Houston for any and all costs and expenses, including attorneys' fees associated with any requests for release of information under any such laws.

**20. FORCE MAJEURE**

Houston shall not be liable for any loss, damage or delay resulting out of its failure to perform hereunder due to, without limitation, causes beyond its reasonable control including, without limitation, acts of God, acts of nature or the Client, acts of civil or military authority, terrorists threats or attacks, fires, strikes, floods, epidemics, pandemics, quarantine restrictions, war, riots, delays in transportation, transportation embargos, extraordinary weather conditions or other natural catastrophe or any other cause beyond the reasonable control of Houston, if such could have not been overcome by the exercise of reasonable efforts by Houston (each, an "Event of Force Majeure"). Any delay due to an Event of a Force Majeure shall not be deemed to be a breach of or failure to perform this Agreement or any part hereof; provided, however, Houston shall provide reasonable notice to the Client of any Event of Force Majeure which notice shall provide the particulars of the cause of the event of Force Majeure in writing. In the event of any such delay, Houston's performance date(s) will be extended for that length of time as may be reasonably necessary to compensate for the delay.

**21. WAIVER OF JURY**

In the interest of expediting any disputes that might arise between Houston and Client, Client hereby waives its rights to a trial by jury of any dispute or claim concerning this Agreement, the Services, the Project and any other documents or agreements contemplated by or executed in connection with this Agreement.

**22. BUSINESS ENTITY**

Client acknowledges that Houston is a business corporation and agrees that any claim made by Client arising out of any act or omission of any shareholder, director, officer, or employee of Houston in the execution or performance of this Agreement shall be made solely against Houston and not against any individual or group of individuals in any capacity.

**23. NOTICES**

Any and all notices, demands or other communications required or desired to be given under this Agreement shall be in writing and shall be validly given or made if personally served; sent by commercial carrier service; deposited in the United States Mail, certified or registered, postage prepaid, return receipt requested; or sent by electronic mail with read receipt requested. If such notice or demand is served personally, notice shall be deemed constructively made at the time of such personal service. If such notice, demand or other communication is given by mail, electronic mail, or commercial carrier service, such notice shall be conclusively deemed given three (3) days after deposit thereof in the United States Mail or with a commercial carrier service or by transmission by electronic mail. Notices, demands, or other communications required or desired hereunder shall be addressed to the individuals indicated in this Agreement at the U.S. mail or electronic addresses indicated in this Agreement. Any party may change its address or authorized recipient for purposes of this paragraph by written notice given in the manner provided above.

**24. MISCELLANEOUS**

This Agreement shall take precedence over any inconsistent or contradictory provisions contained in any proposal, contract, purchase order, requisition, notice-to-proceed, or like document regarding the Services. If any provision of this Agreement is determined to be invalid or unenforceable in whole or part by a court of competent jurisdiction, the remaining provisions hereof shall remain in full force and effect and be binding upon the parties hereto. The parties agree to reform this Agreement to replace any such invalid or unenforceable provision with a valid and enforceable provision that as closely as possible expresses the intention of the stricken provision. This Agreement, including but not limited to the indemnification provisions, shall survive the completion of the Services under this Agreement and the termination of this Agreement. This Agreement gives no rights or benefits to anyone other than Houston and Client and has no third-party beneficiaries except as may be specifically set forth in this Agreement. This Agreement constitutes the entire agreement between the parties and shall not in any way be modified, varied, or amended unless in writing signed by the parties. Prior negotiations, writings, quotes, and understandings relating to the subject matter of this Agreement are merged herein and are superseded and canceled by this Agreement. Headings used in this Agreement are for the convenience of reference only and shall not affect the construction of this Agreement. This Agreement and the rights and duties hereunder may not be assigned by Client, in whole or in part, without Houston's prior written approval. No failure or delay on the part of Houston in exercising the right, power or remedy under this Agreement shall operate as a waiver thereof; nor shall any single or partial exercise of any rights, power or remedy preclude any other or further exercise thereof or the exercise of any other right, power or remedy hereunder. The remedies provided in this Agreement are cumulative and not exclusive of any remedies provided by law.

– END OF DOCUMENT –

THIS SPACE INTENTIONALLY LEFT BLANK



**LOWER PLATTE SOUTH**  
 natural resources district



Task / Subtask	Total Cost	Subtasks							Project Available	Reimbursables & Misc			Comments
		Subtask 1	Subtask 2	Subtask 3	Subtask 4	Subtask 5	Subtask 6	Subtask 7		Subtask 8	Subtask 9	Subtask 10	
<b>Task 1 - Contract Management</b>													
Subtask 1.1 - LPWRD Coordination Meetings	\$1,355							6					* Includes attendance at LPSNRD Sub-committee and Board meetings for contract approval (2 trips)
Subtask 1.2 - Monthly Invoicing & Project/Schedule Updates	\$0							2					* Estimated for 3 months
Subtask 1.3 - Project Coordination Meetings	\$1,354							6					* Includes 2 in-person meeting with the client to review each Inspector/EOPECC
<b>Total Hours</b>	20.0	0	0	0	0	0	0	2					
<b>Total Costs</b>	\$1,354	\$0	\$0	\$0	\$2,988	\$0	\$0	\$180	\$186	\$0	\$0		
<b>Task 2 - Survey &amp; Confirmed Space Entry Plan</b>													
Subtask 2.1 - Existing Information Review/Summary	\$300	1.0		1.0	0.5								
Subtask 2.2 - Confirmed Space Entry Plan	\$485	1.0		1.0	0.5	0.5							
Subtask 2.3 - Initial Site Visit/Survey	\$1,689	4		4.0					100	\$500			
<b>Total Hours</b>	18.27	6.0	0	6.0	1	0.5	0	0	100	\$500	\$0		
<b>Total Costs</b>	\$2,250	\$642	\$0	\$1,002	\$212	\$106	\$0	\$0	\$93	\$500	\$0		
<b>Task 3 - Culvert Inspection and Site Inspections</b>													
Subtask 3.1 - Culvert Cleaning	\$2,848											\$2,000	* Cost to clean 2 culverts based on RDP Jetting LLC prices in 2025 (assuming light hydrojet cleaning)
Subtask 3.2 - Structure Inspections (2)	\$5,120					2	8					\$1,000	* Cost to video 2 culverts based on RDP Jetting LLC prices in 2025 (meeting PAEP & USACE Inspection Criteria)
Subtask 3.3 - Data Processing	\$758				2		2						
<b>Total Hours</b>	26.0	0	0	2	6	10	0	0	293	\$0	\$3,000		
<b>Total Costs</b>	\$7,724	\$0	\$0	\$334	\$1,272	\$2,320	\$0	\$0	\$9	\$0	\$5,000		
<b>Task 4 - Preliminary Design</b>													
Subtask 4.1 - Site Narratives	\$1,202	4		4	0.5								
Subtask 4.2 - Prepare culvert inspection reports and Prelim Ratings	\$601	1.5		2	0.5								
Subtask 4.3 - Hydrologic and Hydraulic Analysis	\$2,723		12	4	1								
Subtask 4.4 - Finalize Culvert Ratings	\$483			1.5	1								
<b>Total Hours</b>	22.0	5.5	12	11.5	3								
<b>Total Costs</b>	\$2,619	\$589	\$1,872	\$1,921	\$636				\$0	\$0	\$0		
<b>Task 5 - Culvert Rating and Closure Plan Recommendation</b>													
Subtask 5.1 - Quality Review of Deliverables	\$379			1		1							
Subtask 5.2 - Final Deliverables	\$716	2		1				1				\$200	* Document production
Subtask 5.3 - Identify Probable R/R/R Alternatives	\$205			2	1		0.5						
Subtask 5.4 - Risk-Based Structure R/R/R Prioritization	\$518			1	1		0.5						
<b>Total Hours</b>	12.0	2	0	4	3	1	1	1	0	0	0	200	
<b>Total Costs</b>	\$2,799	\$214	\$0	\$668	\$636	\$212	\$177	\$80	\$0	\$0	\$0	\$200	
<b>Total Project Costs</b>													
<b>Total Hours</b>	34.2	13.5	12	23.5	27	11.5	1	3	100				
<b>Total Costs</b>	\$18,239	\$1,445	\$1,872	\$3,925	\$5,724	\$2,438	\$177	\$270	\$73	\$400	\$1,300		

Project No. P000173-0017  
Salt Creek 309+35R 322+40L Inspection and Recommendation  
Lower Platte South NRD  
Cost Estimate



**LOWER PLATTE SOUTH**  
natural resources district



**HOUSTON**  
engineering, inc.

Summary	Cost
TASK 1 – Project management	\$3,234
TASK 2 – Survey & Confined Space Entry Plans	\$2,555
TASK 3 – Culvert Interior and Site Inspections	\$6,726
TASK 4 – Engineering Analysis	\$5,017
TASK 5 – Culvert Ratings and Deliverables, Prioritization	\$2,287



Project No. P000173-0017  
 Oak Creek at N. 1st Street Inspection and Recommendation  
 Lower Platte South NRD  
 Cost Estimate



**LOWER PLATTE SOUTH**  
 natural resources district



Total Project Costs												
Total Hours		7	6	12	15	6	3	1.5	200			
	Total Costs:	\$10,939	\$749	\$936	\$2,004	\$3,180	\$1,272	\$277	\$135	\$186	\$500	\$1,700

Summary	Cost
TASK 1 – Project management	\$1,667
TASK 2 – Survey & Confined Space Entry Plans	\$1,733
TASK 3 – Culvert Interior and Site Inspections	\$3,363
TASK 4 – Engineering Analysis	\$2,789
TASK 5 – Culvert Ratings and Deliverables, Prioritization	\$1,387

Total Proposal Amount = \$10,939