Statement of Work
2026 Chatfield 54-inch Conduit
Repair Tri-Lakes Project Office
Chatfield Lake, CO
16 April 2026

1.0 Objective:

Contractor is to supply all labor, equipment, and materials for the repair of the leaking 54-inch diameter pipe and return the pipe to its initial functional state without leaks.

Best Value:

Award to the successful contractor shall be based on "Best Value" rather than low price. The quotes will be evaluated based on the following factors:

A. PAST PERFORMANCE – Contractor shall have a minimum of 5 years' experience in the servicing and repair of city large water pipes systems. To demonstrate that experience a list of 3 reference projects performed in the last 5 years, with pertinent project details (pipe diameters, lengths, type of repair and rehabilitation method utilized, project locations, etc.) and any other information beneficial in illustrating this requirement must be provided in the quote. The submission for this factor may not exceed (6) six pages, including explanatory drawings and narrative.

B. PRICE – The Contractor shall complete the Pricing Schedule and submit with their quote package. The quoted price shall be inclusive of all costs that might be incurred by the contractor during performance of the contract such as, but not limited to, fuel, labor, mileage, equipment, equipment rentals, licenses, insurance, etc. The Government will evaluate offers for award purposes by adding the total price for all CLINs. The Government may determine that an offer is unacceptable if the CLIN prices are significantly unbalanced.

Past Performance is significantly more important than price.

2.0 Scope of Work. The Chatfield Dam and reservoir is a dam and artificial lake on the South Plate River, south of Littleton in Colorado, United States. The Government intends to rehabilitate the 54-inch diameter irrigation auxiliary pipe. The 54-inch pipe leads to the junction of a fish hatchery and continues to the city ditch on the right side of the valley to supply water for the Nevada Ditch.
On March 5, 2026, at approximately 10:00, the Chatfield Dam operations personnel observed two distinct areas of saturation above the 54-inch irrigation pipe, located south of toe drain #9 (station 99+35, 735 D/S) on the outlet structure access road. This observation, characterized by water bubbling and forming a consistent puddle on the southwest edge of the road and extending toward the center, led to ground saturation in the affected area. The leak is approximately at a little over 100 feet from the toe of the downstream toe of the Dam Embankment.

The source of the leak was subsequently confirmed to be the main irrigation pipe by isolating water flow. Upon cessation of flow, the bubbling stopped, and Toe Drain #9 was found to be dry. An initial attempt to mitigate the leak by partially reducing water pressure was unsuccessful, with the pipe continuing to actively leak as of March 6, 2026.
This conduit serves as a critical water source for the City Ditch, Nevada Ditch, and the Colorado Parks and Wildlife (CPW) fish facility. The water supplied through this line supports municipal water systems, with flow rates typically increasing in March and decreasing in November to align with irrigation seasons.
The Contractor shall provide all equipment, labor, and materials to repair the leaking 54-inch diameter pipe to return the pipe to its initial functional state without leaks. The pipes must be repaired with products supplied by the contractor and installed per the manufacturer's recommendations and applicable standards and regulations for city water supply systems in order to extend the minimum service life for another 25 years or longer.

3.0 Standards and Regulations. The Contractor shall perform to the standards in the contract and comply with all Local, State, and Federal Regulations during the services performed. The Contractor is responsible for ascertaining the extent to which the regulations affect the operations resulting from this contract. The Contractor shall comply with all applicable regulations. Applicable regulations include, but are not limited to the following:

a. Engineering Manual (EM) 385-1-1 (USACE Safety and Health Requirements Manual), dated March 15th 2024; https://www.publications.usace.army.mil/Portals/76/EM%20385-1-1%20_EFFECTIVE%2015March2024.pdf

b. Engineering Manual (EM) 1110-2-503 (USACE Design of Small Water Systems Manual), dated February 27th 1999; https://www.publications.usace.army.mil/Portals/76/Publications/EngineerManuals/EM_1110-2-503.pdf

c. Engineering Manual (EM) 1110-2-2902 (USACE Conduits, Pipes, and Culverts associated with Dams and Levee Systems), dated December 31st 2020 https://www.publications.usace.army.mil/Portals/76/Users/182/86/2486/EM%201110-2-%202902a.pdf

d. NASSCO's Manual of Practice (Trenchless Technologies and Asset Management), 2018 Edition

e. AWWA M28 (Manual of Water Supply Practices - Rehabilitation of Water Mains 3rd Edition), 2014.

f. Grouting Unified Safe Operating Practices Program (NASSCO, March 2022)

h. Occupational Safety and Health Standards (29 CFR 1910);

3.1.1 Measurement and Payment. Payment for the work under this purchase order for which contract job or unit price payments will be made are listed in the price schedule and described below. All costs for items of work, which are not specifically mentioned to be included in a job or unit price payment item, are included in the listed job or unit item most closely associated with the work involved. The job or unit price and payment made for each item listed constitutes full compensation for furnishing all plant, labor, materials, and equipment, and performing any associated contractor quality control, environmental protection, meeting safety requirements, tests, and reports, and for performing all work required for which separate payment is not otherwise provided.

3.1.2 Work Plan. work plan is required to outline all tasks to be undertaken along with decision logic and criteria to be used in identifying/verifying the leak and proposing methods for repair, rehabilitation, testing and site restoration to satisfy the SOW requirements. The work plan must include the Activity Hazard Analysis (AHA), Abbreviated Accident Prevention Plan (APP).

3.1.2.1 Activity Hazard Analysis (AHA). The contractor shall prepare the AHA in accordance with Paragraph 6 of chapter 2 of the EM 385-1-1.

Note: Contractors and other individual employer's typically use Job Safety Analyses (JSAs), Job Hazard Analyses (JHAs), or similar Risk Management assessment tools. The government considers equivalent to, and acceptable substitutes for, the USACE's AHA provided the data collected is the same as that required by the AHA, commensurate with the type of services the contractor is performing.

3.1.2.2 Abbreviated Accident Prevention Plan (APP). EM 385-1-1 in its entirety may be too complex for the type of work performed under these contracts; contractors may reference Appendix A, for abbreviated Accident Prevention Plan (APP). The contractor shall only need to submit items in Appendix A that are pertinent to the contract. The contractor shall use a qualified person to prepare the site-specific abbreviated Accident Prevention Plan (APP). The contractor shall prepare the APP in accordance with the format and requirements of the EM 385-1- 1 and supplemented herein. The contractor shall sign and submit the APP for approval prior to the start of work onsite.

3.2.1 Site Mobilization, tools and Demobilization – 0001. Payment will be made at the contract lump sum price. Price shall include but not limited to mobilization and demobilization.

3.2.2 Inspection of the 54-inch pipe– 0002. Payment will be made at the contract lump sum price. Price shall include all plant, labor, materials, and equipment for the inspection of the Permit Required Confined Space conduit to locate the damaged section of the pipe.

3.2.3 Repair of the 54-inch pipe– 0003. Payment will be made at the contract lump sum price. Price shall include all plant, labor, materials, and equipment for the repair of the damaged section of the pipe and restore the pipe to a complete and acceptable condition.

3.3 Location. Work is located at the Chatfield Dam Project near Littleton, CO.

3.4 Work Hours and Work Limits. The contractor is responsible for conducting business, between the hours of 0700 to 1700 Monday through Friday except Recognized Federal Holidays or when the Government facility is closed due to local or national emergencies, administrative closings, or similar Government directed facility closings.

3.5 Facilities. Contractor shall be responsible to provide restroom facilities to their personnel.

2.5.1 Recognized Federal Holidays: There are eleven (11) recognized holidays.

New Year's Day	Labor Day	Christmas Day
Martin Luther King Jr. Birthday	Columbus Day	
President's Day	Veteran's Day	
Memorial Day	Juneteenth	
Independence Day	Thanksgiving Day	

3.6 Environmental Conditions. The contractor shall comply with all applicable Federal, State, Local, and Regional environmental laws, and regulations.

3.7Antiterrorism/Operation Security Requirements.

1. General security requirements and guidance: The security requirements described below apply to all contract personnel (including employees of the prime Contractor ("Contractor") and all subcontractor employees) supporting the performance requirements of this contract. The Contractor is responsible for compliance with these security requirements. Questions regarding security matters shall be addressed to the designated Government representative (e.g., Contracting Officer Representative (COR), Requiring Activity (RA) representative, or Contracting Officer (if a COR or other RA representative is not appointed)). Contract personnel are critical to the overall security and safety of US Army Corps of Engineers (USACE) installations, facilities and activities, and security awareness training contributes to those efforts. The Department of Defense (DoD) and Army security training requirements specified below, if applicable, are performance requirements; all applicable contract personnel shall complete initial training within 30 days of contract award or the date new contract personnel begin performance on the contract. Within five business days from the completion of training, the Contractor shall provide written documentation (e.g., email or memorandum) to the Government representative. The documentation shall include the names of contract personnel trained and which training they completed; the Contractor shall maintain training records as part of their contract files and be prepared to provide copies of training certificates to the Government representative. Contractor personnel and vehicles are subject to search when entering federal installations. Additionally, all contract personnel shall comply with Force Protection Condition (FPCON) measures, Random Antiterrorism Measures (commonly referred to as "RAMs"), and Health Protection Condition (HPCON) measures. The Contractor is responsible for meeting performance requirements during elevated FPCON and/or HPCON levels in accordance with applicable RA plans and procedures—this includes identifying mission essential and non-mission essential personnel. In addition to the changes otherwise authorized by the changes clause of this contract, should the FPCON or HPCON levels at any individual facility or installation change, the Government may implement security changes that affect contract personnel. The Contractor shall ensure all contract personnel are aware of their security responsibilities, including any site-specific requirements identified in local policies or procedures.

2. Physical Security and Access Control Requirements: All contract personnel requiring physical access to a federal installation or facility shall comply with the access control procedures of that location. Contract personnel requiring unescorted access to meet contract performance requirements on a DoD installation in the US shall be vetted by the installation/facility Provost Marshal/Directorate of Emergency Services/Security Office using the National Crime Information Center-Interstate Identification Index (commonly referred to as "NCIC-III") and Terrorist Screening Database (commonly referred to as "TSDB"). Contract personnel shall comply with all personal identity verification requirements specified in installation/facility policies and procedures. Contract Personnel who do not meet requirements for unescorted access to USACE facilities shall coordinate escorted access with the Government representative, as needed. Contract personnel who receive keys, access cards, or lock combinations that provide access to government-owned property shall comply with key and lock control procedures of the RA.

3. Suspicious Activity Reporting training (e.g. iWATCH, CorpsWatch, or See Something, Say Something): All contract personnel shall receive initial and annual refresher training from the RA representative on the local suspicious activity reporting program. This locally developed training provides contract personnel with general information on suspicious behavior, and guidance on reporting suspicious activity to the project manager, security representative or law enforcement entity.

4. Escorting in Classified and/or Sensitive Areas: In accordance with applicable regulations, all contract personnel who do not possess the appropriate security clearance or access privileges will be escorted in the areas where they may be exposed to classified information or operations, sensitive information or activities, or restricted areas.

5. Pre-screen candidates using E-Verify Program: Contractors shall comply with the requirements set forth in FAR clause 52.222-54 Employment Eligibility Verification and FAR Subpart 22.18 in using the E-Verify Program at (https://www.e-verify.gov/) (website subject to change) to meet the contract employment eligibility requirements. Contractors are encouraged to cooperate with Federal and State agencies responsible for enforcing labor requirements to include eligibility for employment under United States immigration laws in accordance with FAR 22.102-1(i). An initial list of verified/eligible candidates shall be provided to the COR no later than three business days after the initial contract award. When contracts are with individuals, the individuals will be required to complete a Form I-9, Employment Eligibility Verification, and submit it to the Contracting Officer to become part of the official contract file.

4.0 Submittals. Prior to commencement of work, the Contractor shall submit the following documents to the COR for review and approval:
a. Work Plan;
b. E-Verify List;
c. Proof of Insurance for Contractors and Subcontractors.

The below additional submittals will also be required. See Submittal Register for additional information.
a. SD-03 Product Data. Replacement Part Cutsheets
b. SD-08 Manufacturer's Instructions. Installation Procedures
c. SD-11 Closeout. As-Built Red-Line Drawings

5.0 Materials. All materials shall be compatible with city water pipes systems and be of the manufacturer's recommendations.

6.0 Execution. Perform work in accordance with the government approved means and method that the contractor is to submit.

7.0 Warranty. See FAR 52.246-21 – Warranty of Construction**.**

8.0 Point of Contact. Michael Savage -- 303-709-2948. Tri-Lakes Project Office COR

9.0 Reference Drawings. Photos and Maps provided for reference only. They may not reflect actual site conditions or show all equipment installed and the government does not guarantee the accuracy of the reference photos and maps and information provided within this document. Therefore, field verification by the Contractor is highly recommended to determine actual site-specific conditions.

2026 CHATFIELD 54-INCH IRRIGATION CONDUIT REPAIR

CHATFIELD DAM
SOUTH PLATTE RIVER
LITTLETON, CO

U.S. ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
1616 CAPITOL AVENUE
OMAHA, NEBRASKA 68102-4901

April 2026

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Figure 2: Leakage water bubbling out above the 54-inch irrigation pipe along the access road

1. PURPOSE

The purpose of this repair is to remediate an active leak of a drainage pipe located at the Chatfield Dam which is a high hazard potential dam located on the South Platte River about 8 miles south of Denver, Colorado.

1.1 Chatfield Dam Description

Chatfield Dam is currently a Dam Safety Action Classification (DSAC) 2, a high hazard potential dam, located on the South Platte River about 8 miles south of Denver, Colorado. The dam is located within, and upstream of, the highly developed metropolitan Denver, Colorado area.

1.2 Description of the 54-inch Irrigation Pipe Leak

On March 5, 2026, the Chatfield Dam operations personnel observed two distinct areas of saturation above the 54-inch irrigation pipe, located south of toe drain #9 on the outlet structure access road. This observation, characterized by water bubbling and forming a consistent puddle on the southwest edge of the road and extending toward the center, led to ground saturation in the affected area. The leak is approximately at a little over 100 feet from the toe of the downstream toe of the Dam Embankment. The source of the leak was subsequently confirmed to be the main irrigation pipe by isolating water flow. Upon cessation of flow, the bubbling stopped, and Toe Drain #9 was found to be dry. An initial attempt to mitigate the leak by partially reducing water pressure was unsuccessful, with the pipe continuing to actively leak.

Figure 1: Schematic of 54-inch irrigation pipe with recent repairs and current leakages.

Figure 2: Leakage water bubbling out above the 54-inch irrigation pipe along the access road

2. DRILLING AND INVESTIGATION PLAN (DIPP)

To locate and repair the leaky joints at the present location, a DIPP was approved. Based on the DIPP, an excavation is planned adjacent to the existing 54-inch irrigation pipe, to a maximum depth of 14 feet. These depths are up to the springline of the irrigation pipe. The DIPP was approved based on the assumption that the repairs will be executed within a few days/weeks.

3. PIPE REPAIR

Due to the proximity of the leakage area and continuously leaking water, the 54-inch irrigation pipe needs inspection to locate the exact leak location then do the repair;

Inspect the pipe using a sounder/locater method by entering the 54-inch Reinforced Concrete Pipe. The contractor should have a confined space permit to enter the conduit and expect to locate the leak approximately 400 ft from the manhole.

Once the pipe is located, the Contractor should excavate, dewater, locate and confirm the leak location, perform the repair of the damaged section and/or joints, perform operational pressurs testing and backfill and compact.