City of Rome, NY
Kessinger Dam Rehabilitation Project
RFB 2025-001

Addendum No. 1

TO: All Bidders of Record **Date Issued:** March 13, 2025

This addendum shall be part of the Contract Documents as provided in the Agreement for the above-referenced project. **Acknowledge the receipt of this addendum in Section 004113.16 (General Contract) or 004113.18 (Electrical Contract) of the Bid Documents for the project. Failure to do so may subject the bidder to disqualification.**

QUESTIONS AND ANSWERS

1. What are the engineer's estimates for both contracts?

   Response: The estimate for the General Contract is $11.5 to $12.5 million and the estimate for the Electrical Contract is $700,000 to $800,000.

2. Can additional trees be cleared to make a larger staging area?

   Response: Permits were obtained for the project based on tree removal as shown. Additional clearing will not be allowed outside the staging area and work area. The cleared, open area at the top of the hill by the City's building/garage can be used for staging.

3. Is there time of year restriction on clearing?

   Response: This will be addressed in a subsequent addendum.

4. Are there any restrictions related to time of year for fish spawning?

   Response: This will be addressed in a subsequent addendum.

5. Are the MWBE and DBE goals combined goals?

   Response: There is a DBE goal of 20% as indicated on page 7 of Section 007344, NYS EFC Mandatory State Revolving Fund Equivalency Project Terms and Conditions. For the SRF Equivalency Project funding the City is using, the DBE requirement replaces the typical MWBE requirement.

6. Are the gate discs to be slotted to capture debris/ice and let water past the gate? It's unclear if the gate discs should be solid, one piece design or have slots in the disc. If there are slots in the disc, what is the spacing for the slots?

   Response: The gate discs should be slotted to capture debris/ice and let water past the gate. Slotted openings will be about 3-inches wide and spaced 6-inches on center. Section 400559.23-2.2-D-1 has been updated to include this description under item f. Drawing Sheet M-3 shows the slotted gates.

7. These gates are very large. It's going to take hours to open/close the gates. Open/close electric motor operation should be considered for these gates.

   Response: Provisions are included in Section 400557 for the slide gate to have a gear reducer and a removable handwheel which would allow an operator to utilize a handheld motorized valve turner.

8. Can it be assumed the EC may utilize the existing propane generator during the electrical service changeover/outage via the existing ATS? Or, does the Contract #1E need to include the cost/fees for temporary power for this scope of work?

   Response: Yes, the contractor may use the City's emergency generator during short outages for electrical changeovers, changing the transformer, breaker, etc. These shall be coordinated ahead of time with the City.

9. Regarding the bid form for Contract 1E, is there a cap on the dollar amount for item #1 (mobilization/demobilization)?

   Response: Mobilization/demobilization is capped at 10% of the contract value for both Contract 1E and Contract 1G.

CHANGES TO SPECIFICATIONS

Section 012001 – Lump Sum Prices and Payment

Insert the following at the end of Paragraph 1.3.A:
"The amount bid for Item No. 1 shall not exceed 10% of the total bid."

Insert the following at the end of Paragraph 1.4 A:
"The amount bid for Item No. 1 shall not exceed 10% of the total bid."
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Section 400559.23 – Stainless Steel Slide Gates

Replace Specification Section 400559.23 with the attached specification.

ATTACHMENTS

1. Revised Specification Section 400559.23, Stainless Steel Slide Gates
2. Reference – Photos of site without snow cover
3. Reference – Pre-bid meeting notes and sign-in sheet

SECTION 400559.23 - STAINLESS STEEL SLIDE GATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. The intent of this section is to provide a movable trash rack (slotted slide gate) within a gate frame which can filter out larger debris equal to the existing system.

B. Section Includes:

1. Stainless steel slide gates.

C. Related Requirements:

1. Section 400557 “Actuators for Process Valves and Gates.”

1.3 DEFINITIONS

A. Operating Head: Distance from centerline of gate to maximum water level of channel.

1.4 ACTION SUBMITTALS

A. Product Data: Manufacturer's product information for system materials and component equipment.

B. Shop Drawings:

1. System materials and component equipment.
2. Description of materials cross-referenced to a sectional drawing listing material by trade name and ASTM reference number.
3. Certified shop and installation drawings showing details of construction, dimensions and anchor bolt locations.
4. Installation and anchoring requirements, fasteners, and other details.
5. Descriptive literature, bulletins and/or catalogs of the equipment.
6. The weight of each component.
7. Description of surface preparation and shop prime painting of gates and accessories.
8. Gate identification number, location, service, type, size, design pressure, operator details, stem details, and loads.
9. Listing of forces transmitted to floor stands if applicable.

1.5 INFORMATIONAL SUBMITTALS

A. Manufacturer's Certificate: Products meet or exceed specified requirements.

B. Manufacturer's Instructions: Detailed instructions on installation requirements, including storage and handling procedures.

C. Source Quality-Control Submittals: Results of factory tests and inspections.

D. Field Quality-Control Submittals: Results of Contractor-furnished tests and inspections.

E. Manufacturer Reports:

1. Certify that equipment has been installed according to manufacturer's instructions.
2. Document activities on Site, adverse findings, and recommendations.

F. Qualifications Statements:

1. Submit qualifications for manufacturer and licensed professional.

1.6 DELEGATED DESIGN SUBMITTALS

A. Delegated Design Submittals: Submit signed and sealed Shop Drawings with design calculations and assumptions for seating pressure.

B. Copy of PE License of Engineer of Record.

1.7 CLOSEOUT SUBMITTALS

A. Project Record Documents: Record actual locations of installed slide gates and components.

B. Operation and Maintenance Data: Submit maintenance instructions for equipment and accessories.

1.8 MAINTENANCE MATERIAL SUBMITTALS

A. Spare Parts:

1. Furnish one set of manufacturer's recommended spare parts.

B. Tools: Furnish special wrenches and other devices required for Owner to maintain equipment. Provide special tools and spare parts required for normal operation and maintenance of the equipment.

C. O&M Manual: One copy of manufacturer's operation and maintenance manuals.

1. Include required cuts, drawings, equipment lists, descriptions, etc. to instruct operating and maintenance personnel unfamiliar with such equipment.
2. Include trouble shooting data and full preventive maintenance schedules.

D. Factory Representative: Provide three days to instruct representatives of the Owner on proper operation and maintenance of the equipment.

1.9 QUALITY ASSURANCE

A. Materials in Contact with Potable Water: Certified to NSF Standard 61 and NSF Standard 372.

B. Perform Work according to Municipality of Rome, New York Department of Public Works standards.

C. Maintain a copy of each standard affecting Work of this Section on Site.

1.10 QUALIFICATIONS

A. Manufacturer: Company specializing in manufacturing products specified in this Section with minimum three years' documented experience.

B. Licensed Professional: Professional engineer experienced in design of specified Work and licensed in State of New York.

1.11 DELIVERY, STORAGE, AND HANDLING

A. Inspection: Accept materials on Site in manufacturer's original packaging and inspect for damage.

B. Store materials according to manufacturer's instructions.

C. Protect materials from physical damage, moisture, and dust by storing in clean, dry location remote from areas involved in construction operations.

1. Provide additional protection according to manufacturer's instructions.

1.12 EXISTING CONDITIONS

A. Field Measurements: Verify field measurements prior to fabrication. Document field measurements on Shop Drawings.

1.13 WARRANTY

A. Furnish three-year manufacturer's warranty for slide gates.

B. Furnish five-year manufacturer's warranty that clear plastic stem covers will not crack, discolor, or become opaque.

PART 2 - PRODUCTS

2.1 PERFORMANCE AND DESIGN CRITERIA

A. Minimum Vertical Loading: 50 percent of force on the gate from operating head acting on horizontal centerline of gate, multiplied by effective gate area, plus weight of slide and stem.

B. Gate Reinforcement: As required for deflection not greater than 1/360 of span.

C. Operating Head:

1. Safety Factor: Design gate to operate under specified operating head with safety factory of five.

2.2 STAINLESS STEEL SLIDE GATES

A. Manufacturers:

1. RW Gate Company
2. Or approved equal

B. Furnish materials according to City of Rome standards.

C. Description:

1. Comply with AWWA C561.
2. Self-contained stainless steel slide gate, with extended frame, yoke, lifting stem attached to yoke, lift and lift support, stem, stem guide, and stem block.
3. Non-self-contained stainless steel slide gate, with limited frame, lifting stem, lift and lift support, stem, stem guide, and stem block.
4. Size: As indicated on Drawings.
5. Operating Head: As indicated on Drawings.
6. Closure: As indicated on Drawings.
7. Opening: As indicated on Drawings.

D. Gates: Type 304 stainless steel, self-contained type with disc arranged to lower or raise to open and with guides designed to mount on the face of or embedded in concrete.

1. Disc or Sliding Member: Type 304 and the stainless steel plate reinforced with "U" or angle-shaped stainless steel members welded to the plate not more than 16 inches apart.

a. Deflection: 1/360 of span of the gate under the design head.
b. Reinforcing Ribs: Extend into guides so they overlap seating surface of the guide.
c. A Specially Molded Resilient Seal:

1) Mounted on bottom of embedded unit discs or on the edge of the disc to provide flush bottom closure.
2) Seal Shape: Produce a seating surface with minimum width of 3/4 inch and extend into secondary slot of the guide.
3) Vertical Seal Face: In contact with seating surface of guide providing a proper seal at the corners.

d. Reinforcements, Retainer and Bolts: Same material as disc.
e. The invert of embedded unit frames to have an angle welded to the lower ends of the guides forming a seating surface for a resilient seal mounted on the disc. Angle to be the same material as the guides.
f. Slotted openings will consist of at least 10 openings each 3-3 ¼-inches wide for a total of at least 30-inches of open width.

2. Minimum Thickness: 1/4 inch.
3. Configuration: Removable.

E. Guides: Type 304 stainless steel construction, designed for maximum rigidity, weighing a minimum of 3 lbs. per foot.

1. Holes for anchor bolts every 18 inches for face mounted units or embedding keyways for embedded units.
2. Guides to extend beneath opening a sufficient amount to support the disc in fully down or open position for downward opening gates.
3. Weld angle to guides across the invert of the opening on face-mounted gates and up both sides of all gates. Provide a rigid sealing system comprising of low friction high abrasion resistant self-adjusting seals of UHMWPE fitted on frame with compression resilient cord seals to ensure forced contact between seal and face of slide. Arrange seal so it deflects 1/16 inch minimum. Angle, strips and bolts to be the same material as the guides.
4. Where guides extend above operating floor, they must be sufficiently strong, so no further reinforcing is required.
5. Where required, the yoke supporting the operating bench stand will be formed by two angles welded at top of the guides providing a one-piece rigid frame.

F. Yokes: Structural steel. Bolted to gate frame.

1. Arrangement: Disc and stem to be removable without disconnecting the yoke.

G. Seats: Impacted into dovetail slots and held in position without use of screws or other fasteners.

1. Maximum Clearance between Seating Faces: 0.004 inch when gate is fully closed.

H. Wedges: Machined brass blocks with angled faces and secured with a stud bolt to prevent slippage during operation.

1. Wedge Types: Side, top, and bottom.

I. Frames: One-piece configuration.

1. Mounting: As indicated on Drawings.
2. Material: Type 304 stainless steel.
3. Thickness: 1/4 inch.
4. Bottom Flush Closure: Resilient seal securely attached to frame along invert.

J. Lifting Nut: Brass.

1. Grease fitting.
2. Polymer bearing pads above and below lifting nut.

K. Lifting Stem: Type 304 stainless steel for the entire length.

1. Tensile Strength: 60,000 psi.
2. Diameter: Of sufficient size at base of thread to lift the weight of the gate, offset the resistance of the gate to the maximum unbalanced head and fully allow for starting impact.
3. Transmit in compression at least two times the rated output of the crank operated floor stand with a 40 pound effort on the crank.
4. Stems More Than One Section: Joined by stainless steel couplings pinned and bolted to the stems.
5. Threaded and Keyed Couplings of Same Size: To be interchangeable.
6. Bronze Stop Collars: On the stem preventing over closing of the gate.
7. Minimum Diameter: 1-1/2 inch to withstand twice the rated output of the operator.
8. Slenderness Ratio (l/r): Less than 200.
9. Configuration: Rising. Removable.
10. Thread: Machine cut threads, Acme type, double lead. Cut threads are not acceptable.
11. Diameter: 1-1/8 inch.
12. Fully lubricated.
13. Maximum Number of Turns: 16 per foot of travel.
14. Stem Covers: Provide rising stem gates with clear fracture resistant plastic covers.

    a. Will not discolor or become opaque for a minimum of 5 years after installation.
    b. Capped, vented, and of a length to allow full travel of gate.
    c. Bottom end mounted in a housing or adapter plate for easy field mounting.
    d. Indicator markings showing gate position.

2.3 FINISHES

A. Stainless Steel Surfaces: Mill finish.

2.4 ACCESSORIES

A. Hardware: Type 304 stainless steel. Conform to ASTM A193/A194 and F593/F594 unless otherwise specified.

B. Attaching Bolts and Anchor Bolts: Type 304 stainless steel. Furnished by slide gate manufacturer.

C. Nameplates: Stainless steel.

2.5 SOURCE QUALITY CONTROL

A. Shop inspection and testing of completed assemblies.

B. Owner Inspection: Make completed clarifier equipment available for inspection at manufacturer's factory prior to packaging for shipment. Notify Owner seven days before inspection is allowed.

C. Owner Witnessing: Allow witnessing of factory inspections and test at manufacturer's test facility. Notify Owner at least seven days before inspections and tests are scheduled.

D. Certificate of Compliance: When fabricator is approved by authorities having jurisdiction, submit certificate of compliance indicating Work performed at fabricator's facility conforms to Contract Documents.

1. Specified shop tests are not required for Work performed by approved fabricator.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify facilities are ready to receive slide gates.

3.2 PREPARATION

A. Clean surfaces according to manufacturer's instructions.

3.3 INSTALLATION

A. Install slide gates according to manufacturer's instructions.

B. Ensure products are installed plumb, true, and free of warp or twist.

C. Locate operators to avoid interference with handrails and other Work.

D. Gate Installation: Under the supervision of the gate manufacturer’s factory representative.

1. Factory Representative: Furnish services for one day. Who has complete knowledge of proper installation, startup, and operation of cast iron slide gates. Inspect the final installation and supervise a test of the equipment.

E. If there are difficulties in operation of the equipment due to the manufacturer's fabrication or Contractor's installation, additional service will be provided at no cost to the Owner.

F. Guides: Surface and Flange Mounted.

1. Install guides with expansion anchors.
2. Position guides at elevation as indicated on Drawings.

G. Sealant:

1. Apply 1/8 inch thick layer of elastomeric sealant to back of frame.
2. Tighten nuts snug until sealant begins to flow beyond frame.
3. Remove excess sealant.
4. Cure sealant for minimum seven days.
5. Tighten nuts to their final positions.

H. Lubricants: Oil and grease as required for initial operation.

I. Installation Standards: Install Work according to City of Rome standards.

3.4 FIELD QUALITY CONTROL

A. Inspection: Verify gate and components alignment, smooth operation, with no binding or scraping.

B. Testing:
   1. After installation, field test slide gates ensuring items of equipment are in compliance with Specifications.
   2. For units failing to meet specified requirements, make necessary change and retest units. If unit remains unable to meet test requirements to Engineer’s satisfaction, it will be replaced with a satisfactory unit at no additional cost to Owner.

C. Manufacturer Services: Manufacturer's representative experienced in installation of products furnished per this Section for a minimum of 1 day on Site for installation, inspection, field testing, and instructing and training Owner's personnel in maintenance of equipment.

D. Equipment Acceptance: Adjust, repair, modify, or replace components failing to perform as specified and re-inspect.

   1. Make final adjustments to equipment under direction of manufacturer's representative.

E. Furnish physical checkout and installation certificate from equipment manufacturer's representative attesting equipment has been properly installed and is ready for startup and testing.

F. Submit the equipment manufacturer's Certificate of Field Testing.

G. Submit the equipment manufacturer's Certificate of Functional Testing.

3.5 ADJUSTING

A. Adjust slide gates to provide smooth operation.

3.6 DEMONSTRATION

A. Demonstrate equipment operation, routine maintenance, and emergency repair procedures to Owner's personnel.

END OF SECTION 400559.23

Kessinger Dam – Site Photos

9/28/2023 reservoir cleaning

9/28/2023 reservoir cleaning

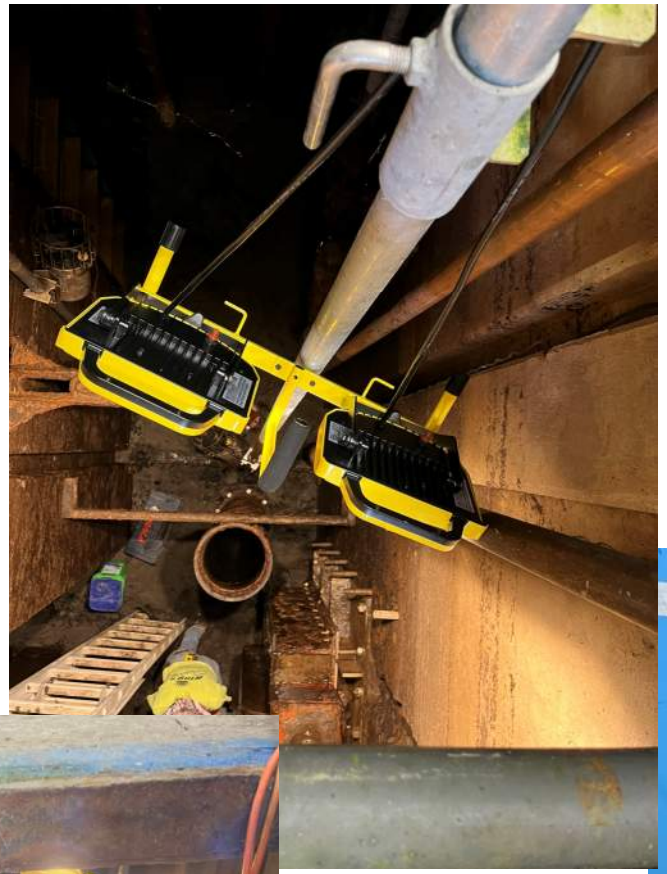
Reservoir cleaning

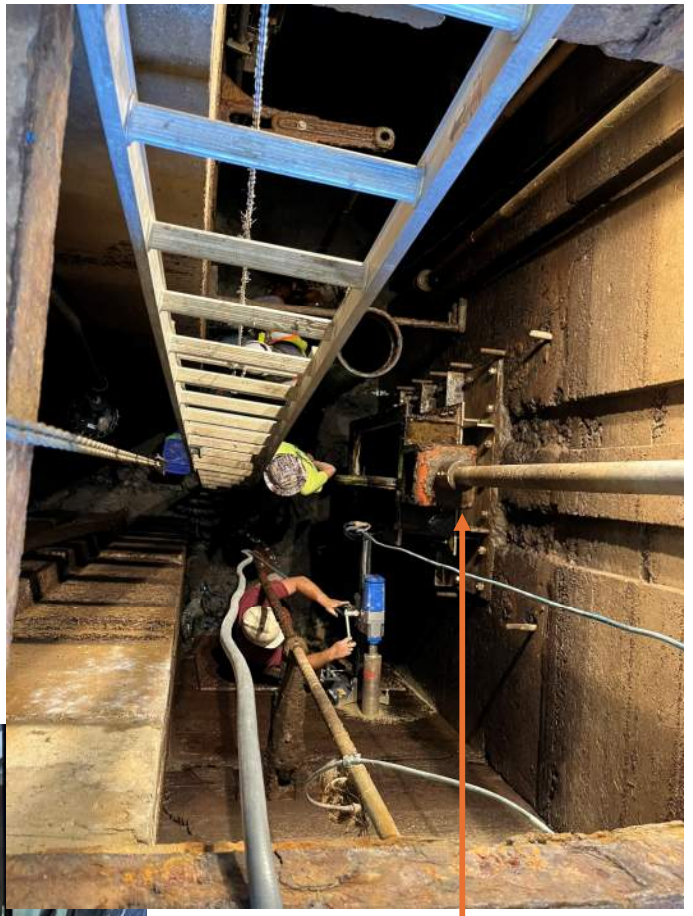
9/28/2023 – looking into lower level of the gatehouse at intake trash rack. This is the first chamber of the lower level.

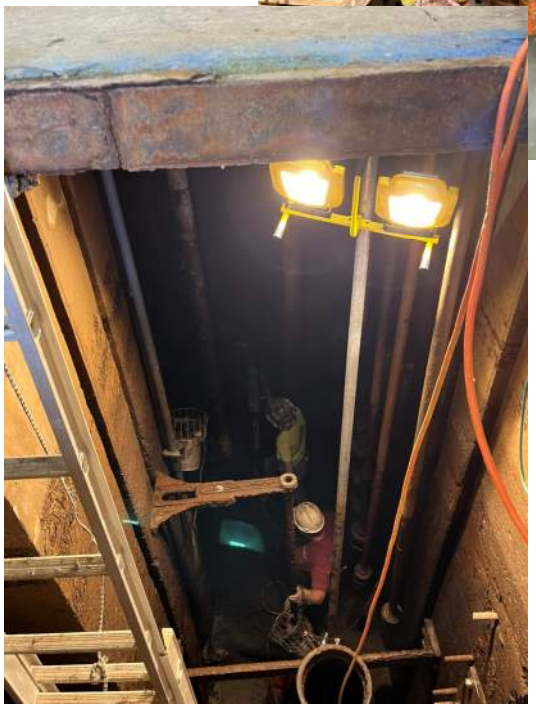
Oct. 2024 – first chamber where water enters lower level of gatehouse through trash racks

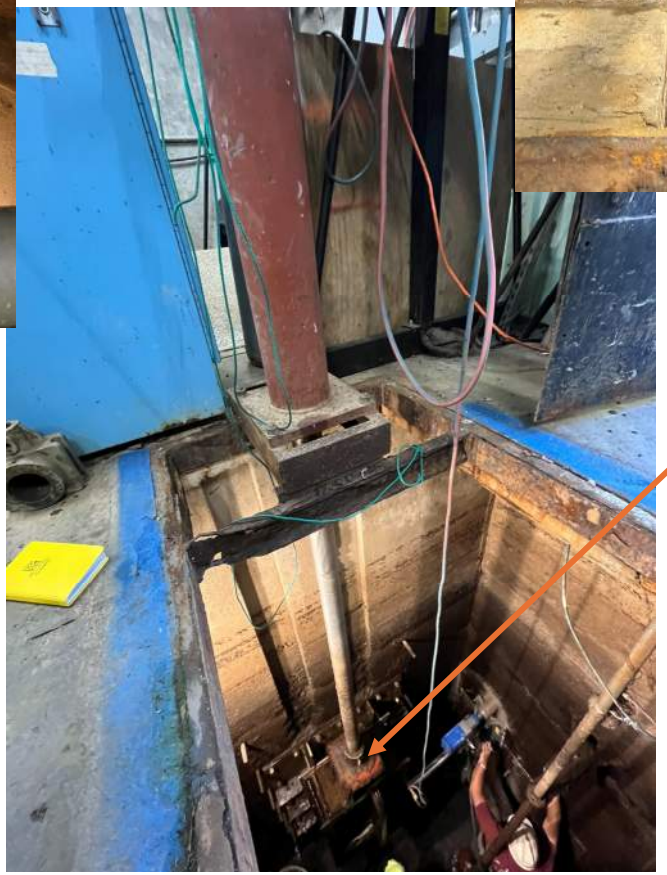
9/28/2023 – looking into first opening just inside the door of the gatehouse. This is middle chamber of the lower level.

Oct. 2024 – middle chamber in lower level of gatehouse
pictures taken from the opening closest to the door









Butterfly valve/opening to last chamber where tunnel exits building

Oct. 2024 – chamber where tunnel exits gatehouse. This is the 3rd chamber of the lower level

Tunnel exiting gatehouse

August 2023 Site Photos

Nov. 2023

Oct. 2024 – reservoir drained for work in lower level of gatehouse

Site photos – Lower Staging Area Along Creek

Site Photos – Service Entrance/Generator Area

Pre-Bid Meeting NOTES

City of Rome – Kessinger Dam Rehabilitation Project – RFB 2025-001

Date: Tuesday March 4, 2025 **Time:** 10:00 AM – 12:00 PM
Location: Rome Water Filtration Plant located at 6105 Stokes-Lee Center Road, Lee Center, New York 13363; followed by a site visit to Kessinger Dam, located at 0 Fish Creek Dam Road, Taberg, New York 13471 (located off Boyd Road).

Project Name: City of Rome Kessinger Dam Rehabilitation Project
Project Number: 21984-265075

Item:

1. Introductions/Sign-in
    a. Joe Guiliano - City of Rome Commissioner of Public Works
    b. Justin Pacicca – City of Rome Water Filtration Chief Operator
    c. Dave Cardarelli – City of Rome Water Filtration Maintenance Supervisor
    d. Richard Olney – City of Rome, Water Filtration Operator
    e. Patrick Surace – City of Rome Engineering
    f. Nancy Vigneault– CDM Smith, Project Manager
    g. See attached sign-in sheet
2. Project Summary
    a. General Construction Contract
        i. Dam Rehab
            1. Spillway, right non-overflow section, flip bucket
            2. Grouted rip rap
            3. Clean built-up sediment in reservoir
            4. Access/Cofferdams
        ii. Retaining Wall Upstream of Gatehouse
            1. Replace retaining wall
        iii. Gatehouse/Intake Structure

1. Concrete rehab interior lower level
2. Concrete rehab exterior
3. Masonry wall repair – replace spalled plaster, lath and sheathing
4. Auto-strainers
5. Mixers on exterior of gatehouse
6. Replace trash racks with fabricated slotted gates
7. Replace trough exiting the building
8. New trough sprayer system
9. Instrumentation and controls integration (Aqualogics)
10. Ice boom in reservoir
11. Downstream retaining wall at bypass
12. Temporary bypass

b. Electrical Construction Contract

i. Upgrade electrical service and coordination with National Grid for transformer replacement

ii. New panelboard feeding new gatehouse loads and refeeding existing loads

iii. Provide electrical distribution to the de-icing mixers and auto-strainer

iv. Instrumentation wire and conduit to control panels from new equipment.

3. Health and Safety

a. Applicable standards shall be followed as well as coordination with and maintaining a safe work environment for City staff performing daily operation and maintenance at the site.

4. Maintenance of Operations

a. A minimum of 6 MGD is required to be maintained in the creek

b. Flow to the Water Filtration Plant needs to be maintained at up to 20 MGD.

i. Bypassed flow shall be screened and a means to measure water level in the tunnel at the gatehouse and/or the junction structure off of Boyd Road is required. Refer to notes on Drawing G-1 and Specification 015725.

ii. Short windows (a few hours) of no-flow to WFP tunnel can be coordinated with City to allow for set-up of bypass and coffer dams

5. Contract requirements

    a. Project is being funded through NYS Environmental Finance Corp State Revolving Fund Equivalency Projects and therefore requirements for American Iron and Steel (AIS), Build America Buy America (BABA), Davis Bacon wage rates, NYS Prevailing wage rates, and Disadvantaged Business Enterprise (DBE) utilization apply.

6. Schedule

    a. The Contract shall be completed by November 15, 2026.

7. Site tour of Kessinger Dam followed the meeting. For an additional site visit, please contact Dave Cardarelli at (315) 339-7777. Due to the site being under several feet of snow, contractors requested pictures of the site without snow cover. See attached for pictures.

8. Questions due by close of business Friday March 21, 2025. Addendum will be issued by Friday March 28, 2025. Send all questions to Nancy Vigneault at vigneaultno@cdmsmith.com.

9. Bids due Thursday April 3, 2025 at 11 AM local time. Submit to City Clerk's office at Rome City Hall, 198 N. Washington Street, Rome, NY.

Kessinger Dam Rehabiliation Project
Pre-Bid Meeting

4-Mar-25

Name	Company	E-mail	Phone	Address
Liam Radigan	Gallo construction	LRadigan@GalloGC.com	631-903-7354	50 Lincoln Ave, Waterviet, NY
Kim LYNDAKER	TUSCARORA CONST. CO	KIM@TUSCARORACONSTRUCTION.COM	(315) 221-1500	US RT 11 PULASKI NEW YORK 13142
Casey Burns	Tuscarora Const.	Casey@tuscaroraconstruction.com	(315) 298-5147	PO Box 520 Pulaski, NY 13142
Steve Porter	Oconnell electric	steve.porter@oconnelleletric.com	315-310-0589	7001 Performance Dr NSYR NY 13212
Nathan Kuyrkendall	Harrison & Burrowes	nkuyrkendall@harrisonburrowes.com	315-542-8293	22 hamilton Lane Clenmont, NY 12077
Brandon Schmidt	Winn Construction	b.schmidt@winn-construction.com	518-401-8324	74 hudson river waterford, NY 12188
FRANK STALEY	D.A. COLLINS CONST	FSTALEY@DACOLLINS.COM	518-376-7072	269 BALLARD RD WILTON NY 12831
B. K ANDERSON	VECTOR CONST	BANDERLSON@VECTORCORP.NET	315-427-7378	6364 ISLAND RD CICERO NY 13039
Lane Warner	Rain for Rent	Lwarner@rainforrent.com	585-737-6612	5626 TEC Dr Avon NY
Dustin Winn	Winn Construction	d.winn@winn-construction.com	607-316-2973	74 Hudson River Rd Waterford, NY 12188
MIKE HOYT	FLEET (FLYGT)	MHOYT@GAFLEET.COM	518-417-9270	6 INTERNATIONAL DRIVE RYEBROOK NY 10573