# ADDENDUM NO. 1

# TO CITY OF AUBURN, MAINE Stetson Road Culvert Replacement BID#2025-034 DATE: 5/2/2025

This addendum amends and /or supplements the bid documents as indicated below. Only these items alter the bid documents. Any verbal discussions or responses are hereby declared null and void. Please acknowledge this addendum on the attached Bid Form.

#### **Questions:**

#### **Q**: Will the road be closed for the duration of construction?

A: Yes, the road is currently closed at the existing culvert and will remain closed until this project is complete.

#### Q: What level of QC is required for the paving?

A: Visual inspection with temperature readings. A typical compaction train for the specified mix is required.

#### Q: What existing utilities cross over the culvert?

A: Please refer to the drawings. A copy of the Existing Conditions/Topographic Survey is attached for reference.

#### **Q**: Is the intent for the existing utilities crossing over the culvert to be supported?

A: Yes, the utilities should be supported prior to undermining and for the duration of the construction period until they are backfilled and suitably stabilized.

#### Q: Can the requirements for the temporary utility supports be added to the specs?

A: Auburn Water and Sewerage District recommends bypass pumping for sewer for an extended exposure and temporary water from hydrant to hydrant is acceptable. The existing gas main will be removed by Until prior to construction during the summer window. Unitil will require utility support of the main during the winter window. Refer to specification section 904 for temporary utility support requirements.

# Q: Is the slipform concrete curb detail accurate, or should the curb be placed on the base pavement?

A: Slipform concrete curb should be installed on base pavement and the detail is updated.

- Q: How should the Bid Form be filled out if it is not possible to complete the work within the timeframe?
- A: It is acceptable to leave that portion of the Bid Form blank. Note the new Bid Forms are attached to this Addendum.
- Q: Some clarity on if posts are expected to be set in concrete on top of the culvert, bolted to the top, or through-bolted. Double beams across the culvert span will be required.
- A: Please refer to the Guardrail Treatment Over Buried Structures detail on sheet C-99-904.
- Q: Is the intent for unsuitable soil to be filled with crushed stone? The design calls for a certain amount of crushed stone, but assume this item is not inclusive of what is specified in the plans.
- A: Yes, that is the intent; please refer to the Geotechnical Report for earthwork requirements. Correct, Pay Item 203.35 includes the volume of crushed stone required beneath the culvert for backfill after excavation of unsuitable soil and rock, and does not include crushed stone as specified elsewhere on the drawings.

**Drawings:** The following Drawing(s) are herewith revised, have an issue date of May 2, 2025, and are designated as Addendum No. 1.

Revised sheets include:

• Sheet C-99-902 – Details - 2

**Specifications:** The following Specification section(s) are herewith added or revised, have an issue date of May 2, 2025, and are designated as Addendum No. 1.

New specification sections include:

• Section 904 – Utility Protection Plan

Revised specification sections include:

- Conditions and Instructions to Bidders
- Bid Form
- Scope of Work
- Special Provisions
- Section 108 Payment

**Attachments:** The following items are being provided for bidder reference:

- Pre-Bid Sign-in Sheet
- Existing Conditions/Topographic Survey



# SUPPLEMENTAL SPECIFICATIONS SECTION 904 – UTILITY PROTECTION PLAN

# 904.01 Description

This work shall consist of the preparation of a Utility Protection Plan, stamped by a licensed Maine Professional Engineer, to be submitted to the Engineer prior to initiation of the work. Work shall not commence until the Utility Protection Plan has been approved by the City and the Engineer.

The contractor shall field verify the location of existing utilities and notify the Engineer of potential conflicts prior to beginning work.

Contractor shall provide all labor, materials, and equipment for the temporary support and protection of the existing utilities to remain, including, but not limited to, any shoring, sheeting, bracing, and strapping; and the erecting, maintaining, and dismantling of temporary support systems. Coordination of all crossing work shall be the responsibility of the Contractor and shall be incidental to the contract.

Contractor shall not interrupt any utility servicing facilities without Owner's written permission and shall notify all affected utility owners a minimum of 14 days prior to beginning work. Work shall be scheduled to minimize disruption of utility services.

# 904.02 Materials

Materials used may be either sawn timber or steel, or a combination of both, at the Contractor's option, and, whether new or used, shall be sound and of adequate cross section for the intended loads.

# <u>904.03 Design</u>

Temporary support(s) shall be designed to support all vertical loading including live load and impact, differential settlement forces, horizontal and longitudinal forces, and shall account for any temporary unbalanced loading due to jacking forces and other loading during load transfer. Sufficient redundancy shall be designed into the support structure so that failure of one member will not cause the collapse of the entire system and the supported structure. Supports must be spaced adequately based on utility type and length to prevent sagging. Protection Padding or insulation should be used when utilities are fragile or subject to vibration. Install temporary water systems with adequate pressure and flow for construction needs. Use backflow prevention devices to avoid contamination. Secure all necessary permits for water usage and connections. Provide temporary piping and tanks if required.

Regularly inspect and adjust supports as needed to ensure continued stability.

# 904.04 Erection and Removal

The erection of temporary support(s) shall be in strict conformance with the approved design and details and shall use only the materials approved for use. No loads shall be placed on the temporary support(s) until the Contractor's Professional Engineer has provided written certification to the Resident that the system was erected in conformance with the approved plans and design details.

The consent of the Engineer regarding design, construction or use of temporary supports shall not be construed, in any way, as relieving the Contractor of its responsibility to provide supports that are adequately designed and constructed to carry the loads that will be placed upon them. The work shall be entirely at the Contractor's risk.

Upon completing the work requiring the use of the temporary supports, the temporary support structures shall be removed and the area under and around them shall be restored to its original condition, or as otherwise noted on the drawings. Supports shall be removable without damaging existing utilities.

# 904.05 Basis of Payment

Payment for this work shall be included in the Base Bid Item.

### CONDITIONS AND INSTRUCTIONS TO BIDDERS

- 1. Bidders shall use the enclosed bid form for quotations. Whenever, in bid forms, an article is defined by using a trade name or catalog number, the term "or approved equal", if not inserted, shall be implied.
- 2. Submit a unit price for each item unless otherwise specified in the bid request. Prices stated are to be "furnished and installed" prices.
- 3. Bid proposals must be completed in full, in ink and must be signed by firm official. Bid proposal **must be notarized** prior to bid being sealed and will be disqualified if not notarized. Bids may be withdrawn prior to the time set for the official opening.
- 4. Bidders or representatives will be able to view the bid tabulation on the City's website.
- 5. Awards will be made to the lowest responsible and responsive bidder, considering the quality of the materials, date of delivery, cost which meets specification and is in the best interest to the City of Auburn.
- 6. All transportation charges, including expense for freight, transfer express, mail, etc. shall be prepaid and be at the expense of the vendor unless otherwise specified in the bid.
- 7. The terms and cash discounts shall be specified. Time, in connection with discount offered, will be computed from date of delivery at destination after final inspection and acceptance or from date of correct invoice, whichever is later.
- 8. The City is exempt from payment of Federal Excise Taxes on the articles not for resale, Federal Transportation Tax on all shipments and Maine Sales Tax and Use Taxes. Please quote less these taxes. Upon application, exemption certificate will be furnished with the Purchase Order when required.
- 9. No contract may be assigned without the written consent of the Purchasing Director or their designate. The contract shall not be considered valid until a purchase order has been issued to the successful bidder.
- 10. Please state "Stetson Road Culvert Replacement Bid #2025-034", on submitted, sealed envelope.
- 11. The City of Auburn reserves the right to waive any formality and technicality in bids whichever is deemed best for the interest of the City of Auburn.
- All work must be completed from 7:00AM to 7:00PM. All construction activities in-water shall only occur during periods of low flow and during the in-water construction window of July 15, 2025, to September 30, 2025. For Bid Alternate 1, the in-water work window shall be

December 15, 2025, to February 28, 2026. For Bid Alternate 2, the in-water work window shall be July 15, 2026, to September 30, 2026.

<u>13.</u> The completion date for this project is **November 15, 2025**. this project is:

- a. Base Bid November 15, 2025
- b. Bid Alternate 1 May 30, 2026
- c. Bid Alternate 2 November 15, 2026

<u>13.14.</u> Liquidated damages of \$500/calendar day will be assessed on uncompleted work.

# BID FORM ADDENDUM #1

ITEM	DESCRIPTION	UNIT	QNTY	UNIT COST	TOTAL COST
	Stetson Road Culvert				
BASE BID	Replacement	LS	1		
203.202	Removal of Unsuitable Soil	CY	20		
203.21	Rock Excavation	CY	50		
203.35	Crushed Stone 3/4-inch	CY	20		
	TOTAL				

Written total amount is:	
Company Name:	_
Signed by:	
Title:	
Print Name:	_
Address:	
Tel. #	
Date:	

Addendum Acknowledged:

#\_\_\_\_\_ Date\_\_\_\_\_ #\_\_\_\_ Date\_\_\_\_\_

BID ALTERNATE 1 ALTERNATE INSTALLATION SCHEDULE 1									
(project completion by May 30, 2026)									
	(in-water work window De	<u>5, through February 28, 2026)</u>							
ITEM	DESCRIPTION	UNIT	QNTY	UNIT COST	TOTAL COST				
	Stetson Road Culvert								
BID ALT	Replacement	LS	1						
203.202	Removal of Unsuitable Soil	CY	20						
203.21	Rock Excavation	СҮ	50						
203.35	Crushed Stone ¾-inch	СҮ	20						
	TOTAL								

Written total amount is: \_\_\_\_\_

BID ALTERNATE 2										
ALTERNATE INSTALLATION SCHEDULE 2										
(project completion by November 15, 2026)										
(in-water work window July 15, 2026, through September 30, 2026)										
<u>ITEM</u>	DESCRIPTION UNIT QNTY UNIT COST TOTAL COST									
	Stetson Road Culvert									
BID ALT	<u>Replacement</u>	<u>LS</u>	<u>1</u>							
203.202	Removal of Unsuitable Soil	СҮ	20							
203.21	Rock Excavation	<u>CY</u>	<u>50</u>							
<u>203.35</u>	Crushed Stone 34-inch	<u>CY</u>	<u>20</u>							
	TOTAL									

Written total amount is:

## **SCOPE OF WORK**

The following scope of work is being proposed for the Stetson Road Culvert Replacement Project for the City of Auburn. The scope of work is a brief overview of the expected extent of work included in this contract.

#### Stetson Road Culvert Replacement

- Provide and maintain work zone traffic control including signage.
- Provide and maintain temporary erosion and sedimentation controls.
- Provide and maintain temporary stream diversion and water pollution control system.
- Protect existing utilities.
- •\_\_\_Remove and dispose of or abandon in place existing utilities as shown on the plans.
- Provide temporary support and protection for existing utilities designated to remain within the limit of work.
- <u>Provide temporary utilities as needed for continued service and to minimize service</u> <u>disruptions.</u>
- Remove and dispose of existing 14-foot wide, 9.25-foot-high corrugated metal pipe (CMP) arch culvert.
- Remove and dispose of unsuitable soils beneath existing culvert and proposed culvert footings.
- Furnish and install proposed 16-foot-wide (interior) by 10-foot-tall (interior) reinforced precast concrete box culvert with precast concrete wing walls as detailed on the plans. Place streambed material and large boulders within the culvert to create a stabilized streambank matching existing upstream conditions and materials as shown on the plans.
- Furnish and install catch basins, manholes, and drainage piping as shown on the plans.
- Backfill and provide base gravels and bituminous pavement courses as detailed on the plans.
- Regrade and stabilize streambed and banks as shown on the plans.
- Furnish and install new guardrail as shown on the plans.
- Furnish and install new curbing and sidewalk as shown on the plans.
- Grade, loam, seed, and mulch as required to restore all disturbed areas.
- •\_\_\_Remove all temporary erosion control and traffic control measures.
- Installation of temporary bituminous pavement for construction activities occurring during the winter window (Bid Alternate 1).

#### **SPECIAL PROVISIONS**

The following Supplemental Specifications and Special Provisions shall amend the "Maine, Department of Transportation Standard Specifications, **March 2020 Edition**" including any and all applicable revisions and special provisions. In case of conflicts, these Supplemental Specifications (1) and Special Provisions (2) shall take precedence and shall govern.

(1) Supplemental Specifications - modifications, additions, and deletions to the existing Standard Specifications.

(2) Special Provisions - specifications in the contract which are for additional items not covered in the Standard Specifications

### F-1 Work Hours

No work shall proceed on this project prior to the hour of 7:00 AM or after 7:00 PM (prevailing time) on any working day unless the City has granted prior approval. The definition of work for this specification shall include starting or moving of equipment, machinery, or materials. Any day worked for four hours or more will be considered a full working day.

#### F-2 Notification of Residents

Residents shall be notified sufficiently in advance of any construction affecting access to driveway and sidewalk to allow adequate time for their removal of personal vehicles.

#### F-3 Traffic Signs

All existing traffic signs, which are to be removed during construction, shall be dismounted and the posts removed and shall be stacked in an area approved by the Engineer. Contractor shall protect the signs from damage while in their possession and shall repair, at no additional cost to the City, any damages caused by their operations.

Stop signs are to be maintained at their original locations at all times during the work.

Prior to the start of any construction work, the Contractor shall prepare an acceptable inventory of all signs within the project limits which shall be used as a guide for replacement should signs be removed for construction purposes.

This work shall be considered as subsidiary obligation of the contract for which no special payment will be made.

#### F-4 Protection of Trees

The Contractor shall be responsible for the preservation of all trees on the project, which are not specified to be removed. Any trees damaged by the Contractor's operations shall be repaired as approved by tree dressing or paint in accordance with the appropriate provisions of Section 201 of Standard Specifications.

### F-5 Maintenance and Protection of Traffic

The Contractor shall be responsible for the maintenance and protection of all vehicular and pedestrian traffic at all times during construction and shall erect suitable warning signs, flashing barriers or temporary lighting devices of sufficient size and number to afford protection to the traveling public in accordance with the most recent edition of "Manual on Uniform Traffic Control Devices for Streets Highways" (MUTCD) published by the Department of Transportation of the Federal Highway Administration.

The Contractor shall be held responsible for all damage to the work due to any failure of the warning devices to properly protect the work from the traffic, pedestrians, or other causes. Traffic control shall be in accordance with the City of Auburn's Traffic Detail Policy effective April 1, 2006 and MUTCD.

#### F-5A Materials

Materials shall meet the requirements specified for the various subsections of the Specifications. Equals shall be approved only prior to the bid opening.

#### F-6 Survey

The Contractor shall be responsible for maintaining benchmark controls during construction and providing all additional survey required, which shall be done by a competent Engineer or Surveyor.

#### F-7 Waste Areas

The disposal of waste and surplus material shall be as outlined in Section 203.06 - Waste Areas of the Specifications.

#### F-8 Occupational Safety and Health

The Contractor is hereby advised that all work to be furnished to the City shall be performed with equipment, methods, and use of personnel in conformance with the pertinent Occupational Safety and Health Act requirements of the State of Maine and with the regulations for construction as specified by the Department of Labor and Occupational Safety and Health Administration (OSHA) as currently amended.

#### F-9 Pre-Construction Conference

A conference will be held at 60 Court Street, Auburn, Maine, within ten (10) days after the awarding of the contract. At this time, the contractor will be required to submit a graphically illustrated schedule and a plan showing project activities. City officials and representatives of the various utility companies involved in the project will be present at this meeting.

It is the purpose of this meeting to inform the various agencies of the proposed work schedule, and to give them the opportunity to discuss any difficulties and/or offer suggestions to the Contractor concerning their proposed schedule in order that full cooperation may be reached.

### F-10 Schedule of Operations

The above-mentioned schedule of operations in Section F-9 shall consist of a bar chart detailing the activities included in the contract. Although a bar chart is acceptable as a minimum, more complex and detailed schedules (i.e., flow charts, critical paths, etc.) are encouraged and will be accepted by the City. Updates will be required.

### F-11 Traffic Officers

Traffic control shall be the responsibility of the Contractor and as directed. Traffic control officers will be employed by the Contractor. Police detail is not anticipated for this project.

F-12 Questions Regarding Plans and Documents

Questions from prospective bidders relative to this Contract shall be submitted no later than 4:00 p.m. on Thursday, May 1<sup>st</sup>, 2025, and shall be directed to:

Kris Bennett, PE, City Engineer City of Auburn kbennett@auburnmaine.gov

#### F-13 Record Drawings

The Contractor shall keep daily records of all changes in the work and records of underground infrastructure. Upon completion of the project, the Contractor shall deliver to the Engineer copies of daily records. Final payment will not be made until the Engineer receives copies of daily records. The Contractor shall submit an as-built drawing to the Engineer upon completion of construction.

#### F-14 Waste Material

All waste material shall be removed from the site and the area left clean upon completion of work. Any equipment or structures damaged by the Contractor shall be repaired or replaced at no additional cost to the City. Waste and surplus material shall not be stockpiled but shall be disposed of in areas as designated in Section 203.06, Waste Areas, of the Supplemental Specifications.

#### F-15 Quality Assurance

The Contractor shall be responsible at all times for maintaining top quality assurance during performance of his work.

#### F-16 Bids

No bids shall be withdrawn within a period of sixty -(60)- days after the opening of the bids.

F-17 Aggregate Base Courses

All gravel products shall meet MDOT specifications and shall also be produced from quarry rock.

#### F-18 Change Orders

Changes in the scope of work will be approved by the Engineer and City Engineer or Assistant City Engineer and adjusted by Change Orders.

#### F-19 Permit Approvals

Contractor shall comply with all requirements of the Department of the Army Maine General Permit NAE-2024-02644, attached as Appendix A.

F-20 Geotechnical Considerations

Contractor shall comply with all requirements and recommendations of the of the Explorations and Geotechnical Engineering Services Report, prepared by S.W. Cole Engineering, Inc., dated July 18, 2024, attached as Appendix B.

#### F-21 Mechanical Sweeping

The City of Auburn shall mechanically sweep the streets prior to placement of surface paving. Hand sweeping, leaf blowing etc. shall be completed by the contractor. Request for sweeping must be made by the Contractor to the City of Auburn at least 72 hours prior to surface paving.

# F-22 Bid Alternate 1 In-Water Work Requirements

During the in-water work period of December 15, 2025, to February 28, 2026, enhanced winter erosion control measures shall be employed to stabilize the site. All erosion and sediment control measures shall be installed in accordance with the Maine Department of Environmental Protection (DEP) Maine Erosion and Sediment Control Best Management Practices (BMPs) manual.

# F-23 Winter Construction Paving Requirements

Construction activities occurring during the winter paving moratorium period shall require the installation of temporary bituminous pavement to maintain access and surface integrity. Temporary pavement shall be maintained in a safe and drivable condition until such time as permanent hot mix asphalt (HMA) paving can be placed. Final HMA paving shall occur during allowable paving dates and when ambient air and surface temperatures meet the minimum requirements specified by the applicable standards and material specifications.

# SUPPLEMENTAL SPECIFICATIONS SECTION 108 – PAYMENT

The provisions of Section 108 of the Standard Specifications shall apply with the following additions:

#### 108.1 Measurement of Quantities for Payment

A. Work under this Contract will be paid for as defined within this section and in accordance with the Payment Terms outlined in the Agreement. References in Division 100 through Division 700 of the State of Maine Department of Transportation Standard Specifications to "method of measurement" and "basis of payment" should be disregarded, unless noted otherwise.

B. Scope: This section describes the measurement and payment for the Work to be completed under each item in the Bid. Work as defined in the State of Maine Department of Transportation Standard Specifications, is all labor, services, personnel, materials, equipment, tools, supplies, and incidentals required or indicated by the Contract in Conformity with the same. All Work not specifically identified in the description of bid items shall be considered a subsidiary obligation of Contractor and all costs in connection therewith shall be included in the prices bid.

C. Payment Procedures are described in Article 5 of the Agreement.

#### 108.2 Progress Payments

A. Schedule of Values: Within ten (10) working days of the date of the Contract Award, submit a detailed schedule of value for all items listed within the Bid Form. The detail shall be sufficient for City to estimate the amount of work performed to make Progress Payments, consistent with Section 108 of the Maine Department of Transportation Standard Specifications.

#### 108.10 Description of Bid Items

- A. Item: Base Bid Stetson Road Culvert Replacement
  - 1. Payment: Lump sum price as stated in the bid form. Provide schedule of values and percent complete with each request for payment.
  - 2. Measurement: Determine percentage of work completed to date relative to total work as shown on Contract Plans.
  - 3. Includes all costs, materials, and labor associated with the replacement of the existing culvert located beneath Stetson Road, including but not limited to mobilization and demobilization; work zone traffic control; site preparation; temporary erosion and sedimentation control measures; brook flow control and bypass pumping; sawcut and removal of bituminous pavement; excavation; protection of existing utilities; demolition or abandonment of existing utilities; demolition of existing culvert; subgrade preparation;

crushed stone culvert bedding; geotextile fabrics; providing and installing precast concrete box culvert, wingwalls, and curb; bituminous concrete sidewalk; construction of stabilized streambed and boulders within culvert; backfill & compaction; stream and bank restoration; site grading; furnishing and installation of guardrails; installation of manholes, catch basins, and drainage pipes; provision and compaction of aggregate base and subbase gravels; placement and compaction of bituminous pavement; installation of bituminous sidewalk; installation of slipform concrete curb; stabilization and repair of wetland areas; installation of loam and seed as required to restore disturbed areas; and all other incidental items necessary to complete the work as shown and described within the Contract Documents.

- B. Item 203.202 Unsuitable Material Excavation Below Grade
  - 1. Refer to Supplemental Section 203
- C. Item 203.21 Rock Excavation
  - 1. Refer to Supplemental Section 203
- D. Item 203.35 Crushed Stone 3/4-inch
  - 1. Refer to Supplemental Section 203
- E. Bid Alternate <u>1</u> includes construction of all items with an alternate construction schedule with a project completion date of <del>November 15, 2026.</del> <u>May 30, 2026, and an in-water work window</u> <u>of December 15, 2025 through February 28, 2026.</u>

<u>F.</u>

E.G.Bid Alternate 2 includes construction of all items with an alternate construction schedule with a project completion date of October 15, 2026, with an in-water work window of July 15, 2026, through September 30, 2026.

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# Pre Bid Conference Sign In Sheet

Date: April 29, 2025

BID #2025-034 Stetson Road Culvert Replacement Project

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City Sta				Nick Mather	下こうのよう	Ched Toothake	MATT THISAUT	Matt Callaban	Name	Representative
ff Present				212-22-2014	207 737 4471	207-739-9703	603-396-9860	(207) 644.4542	Number	Contact
				Nick M @ Gerdran Curp. com	KSULE C MANALIZIO SIMPSON KAN	clad @ Prostant Sons. net	mthiben It @ Sagept. us	Mate al. denoaving. Com	Eman	

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