MAINE TURNPIKE AUTHORITY

ADDENDUM NO. 1

CONTRACT 2022.07

INTERCHANGE IMPROVEMENTS
SACO (EXITS 35 & 36)
MM 34.7 TO MM 36.6

The bid opening date is Tuesday November 15, 2022 at 11:00 am.

The following changes are made to the Proposal, Specifications, and Plans.

GENERAL

All questions regarding Contract 2022.07 shall be submitted by November 4, 2022 at 12:00 pm. Questions received after that time may not be answered.

PROPOSAL

- Proposal Sheets P-15 to P-35 are deleted and replaced with sheets P-15 to P-35, included in this addendum. The revision to this proposal sheet adds item 609.26 – Curb Transition B Type 1 and modifies the quantity for item 626.22 – Non-Metallic Conduit.

SPECIAL PROVISIONS

- Page N-1: The bid opening date has been changed to November 15, 2022.
- Page SP-16, Section 107.4.6 Prosecution of Work: Change the date that all clearing must be completed prior to from June 1, 2023 to April 1, 2023.
- Page SP-16, Section 107.4.6 Prosecution of Work: The third paragraph is deleted and replaced with the following:

  The Authority will utilize 348 North Street for the field office. The Contractor will remove this building at the end of the project. The Contractor shall disconnect utilities at their respective mains in accordance with Special Provision Section 202 prior to placing any pavement on Route 112. The Contractor shall provide a minimum of 30 days notice to the Resident prior to anticipated utility disconnection. The Authority will supply and maintain the field office at 348 North Street for Authority personnel, including utilities and supplies. The Contractor shall maintain access to the field office for the duration of the project including plowing, sanding, and salting of the driveway and walkways. Payment for maintaining access shall be incidental to the Contract.
- Page SP-17, Section 107.4.7, Limitations of Operations: Add the following after the second paragraph:

  The Ramada Inn and XL Sports shall be notified a minimum of 5 days prior to scheduled shutdowns of their utilities. Shutdowns shall be limited to a maximum of four hours.

- Page SP-25, Section 202 REMOVING STRUCTURES AND OBSTRUCTIONS (Removing Asbestos Containing Materials)(Removing Buildings): The fourth paragraph of Section 202.02 is deleted and replaced with the following:

  All buildings and materials contained therein and any items connected with the property of a personal property nature shall become the property of the Contractor and shall be completely removed from the 348 North Street Property. Ownership of the buildings reverts to the Contractor upon the Notice to Proceed for demolition issued by the Maine Turnpike Authority. All debris and unusable materials shall be removed to an approved transfer station or approved landfill. Under no circumstances shall any material or debris be disposed of by burning on the premises nor shall the debris be burned at an off-premise site.

- Page SP-216, Section 626 FOUNDATIONS, CONDUIT, AND JUNCTION BOXES FOR HIGHWAY SIGNING, LIGHTING AND SIGNALS (Conduit and Foundations): After the second paragraph, add the following:

  626.05 Basis of Payment

  The following sentence shall be added to the third paragraph:

  Payment of non-metallic conduit shall also include furnishing, installation, routing, termination, splices, and connection of the wire per the plans and specifications. All wiring items associated with the non-metallic conduit item for highway lighting and the traffic signals shall be incidental to the conduit.

- Page SP-245 Section 634 HIGHWAY LIGHTING (Remove High Mast Light Standard) (Replacement LED Fixture – Supplied by The Authority) (High Mast Light Standard – Supplied by The Authority) (Remove and Reset Light Standard) (Conventional Light Standard with LED Fixture – Supplied by The Authority): Delete the last sentence of the sixth paragraph.

- Page SP-247, Section 634 HIGHWAY LIGHTING (Remove High Mast Light Standard) (Replacement LED Fixture – Supplied by The Authority) (High Mast Light Standard – Supplied by The Authority) (Remove and Reset Light Standard) (Conventional Light Standard with LED Fixture – Supplied by The Authority): Add the following paragraph after the fourth paragraph:

  Payment for all wiring, ground rods, fuse splice kits, and all incidentals required for installation of light standards and fixtures shall be incidental to the 634 items.

- Page SP-259, Section 636 SOIL NAIL CONSTRUCTION MONITORING – EXISTING BRIDGE: In pen and ink, change the limiting values in Table 1 for Abutment and Wingwall DMPs and Soil Nail Wall DMPs from 3/8" to ½".

- Page SP-309, Section 643 TRAFFIC SIGNALS: In pen and ink, add the following sentence at the end of the third paragraph in Section 643.17:

  Payment for all wiring, appurtenances, and all incidentals required for installation of the traffic signals shall be incidental to the 643 items.

- Page SP-432, Section 800 BUILDNGS AND STRUCTURES (Toll Administration Building) (Utility Building): The sixth paragraph of Section 800.032 Utility Building Construction, is deleted in its entirety and replaced with the following:

The utility building shall have an EPDM roofing system or a hot asphalt roof coating system. The materials, procedures and requirements for the construction of an EPDM roofing system for the Utility Building shall be in conformance with Division 800 Section 07523 and the manufacturer's recommendations for application with concrete surfaces. For the hot asphalt roof coating system, one brush or mop coat of hot asphalt roof coating shall be applied to the top surface of the roof slab. The asphalt material shall be heated to within the range specified by the manufacturer and immediately applied to the roof. The finished coat shall be continuous over the roof surface and free from holidays and blisters. Smears and dribbles of asphalt on the roof edges and building walls shall be removed.

- Page SP-433, Section 800 BUILIDNGS AND STRUCTURES (Toll Administration Building) (Utility Building): After the tenth paragraph of Section 800.032 Utility Building Construction, add the following:

  The exterior wall of concrete construction shall be coated with a masonry primer and textured finish coat of tan paint.

- Page SP-457, Section 832 BOLLARD (Type A Steel): After the first paragraph of Section 832.03 General, add the following:

  Maximum bollard spacing shall be 3'-0".

PLANS

- Plan Sheet 3 of 735, ESTIMATED QUANTITIES 2, has been deleted in its entirety and replaced with Plan Sheet 3 of 735, included in this addendum.
- Plan Sheet 8 of 735, GENERAL NOTES 1: In pen and ink add General Note 15. All reinforcing steel on the project, except that used in the administration and utility buildings, shall be epoxy coated. This shall include reinforcing steel for sign, light, and mast arms foundations.
- Plan Sheet 10 of 735, CONSTRUCTION NOTES 2, has been deleted in its entirety and replaced with Plan Sheet 10 of 735, included in this addendum.
- Plan Sheet 252 of 735, POWER AND COMMUNICATION PLAN 6, has been deleted in its entirety and replaced with Plan Sheet 252 of 735, included in this addendum.
- Plans Sheets 258 & 259 of 735, POWER AND COMMUNICATIONS PLAN 11 & 12: In pen and ink add the following to the end of Note 1: All reinforcing steel shall be epoxy coated.
- Plan Sheet 280 of 735 ADMIN BUILDING NB SITE UTILITY PLAN, has been deleted in its entirety and replaced with Plan Sheet 280 of 735, included in this addendum.
- Plan Sheet 284 of 735, ADMIN BUILDING SB SITE UTILITY PLAN, has been deleted in its entirety and replaced with Plan Sheet 284 of 735, included in this addendum.

- Plan Sheet 607 of 735, GOOSEFARE BROOK CULVERT EXTENSION DETAILS: The Service Limit State Factored Bearing Resistance under Design Bearing Pressures shall be changed in pen and ink from 2.0 ksf to 3.2 ksf.

QUESTIONS

The following are questions asked at the pre-bid meeting held on October 25, 2022 or submitted to the Maine Turnpike Authority in writing. Answers to the questions are noted. Bidders shall utilize this information in preparing their bid.

1. Question: For the Northbound Utility Building, what is the exterior finish of the building?

   Answer: Masonry Primer and Textured painted finish in 'tan' as noted in Addendum No. 1 Section 800.

2. Question: The roof of the Northbound Utility building calls for Hot Asphalt; is an EPDM Rubber Roof acceptable?

   Answer: Yes, EPDM rubber roofing installed per the manufacturer's recommendations for concrete surface is acceptable as noted in Addendum No. 1 Section 800.

3. Question: The floor of the Northbound Utility building shows a floor hardening treatment, would the use of Sikaguard 62 with a non-skid additive be acceptable?

   Answer: Sikagard-62 does not appear to be a floor hardener and is not an acceptable substitution for the floor hardener. It may be used for the floor coating system.

4. Question: In this contract, will 3M temporary tape be utilized per bid item 627.73 of 67,200 LF, or is this an item that may not be used and put into the bid as an “IF NEEDED” item?

   Answer: Yes, use of temporary tape is anticipated on new pavement per the Plans and Special Provisions.

5. Question: No line-item pricing for 4” PVC Schedule 80 for electric service or communications.

   Answer: Electric and communications conduit shall be paid for under item 626.22: Non-metallic conduit. This item is paid for by linear foot and is not based on the diameter of individually sized conduit.

6. Question: No 5” PVC 80 line-item pricing for Primary power.

   Answer: Electric and communications conduit shall be paid for under item 626.22: Non-metallic conduit. This item is paid for by linear foot and is not based on the diameter of individually sized conduit.

7. Question: Is the pole on 280 of 735 by us or by CMP?

Answer: New service pole will be set by Consolidated Communications as part of larger pole relocation effort along Route 112. See Utility Pole list on page SP-11 of the bid book.

8. Question: Need rigid steel conduit and standoff brackets for risers up poles. No pricing line items requested for these items.

   Answer: Plan sheets 3, 280, and 284 are updated in Addendum No. 1 to include the risers.

9. Question: Are you looking for 6- 6" concrete bollards around the pad mounted transformer?

   Answer: Bollards shall be Type A Steel Site Bollards per the Special Provisions. Bollard spacing shall be 3' on center as noted in Special Provision 832 in Addendum No. 1.

10. Question: Is primary electric by the contractor or CMP?

    Answer: All conduit and junction boxes for primary power will be provided and installed by the contractor prior to CMP installing wiring as noted in Special Provision 104.4.6.

11. Question: When are the poles, arms, and fixtures scheduled to arrive at MTA?

    Answer: MTA will be ordering the poles upon on award of the contract. Normal lead times are anticipated.

12. Question: Will the poles be provided with: Arms, fixtures, photocell receptacles, photocells, anchor bolts, anchor bolt templates, and break away couplings?

    Answer: Yes, as noted in the Special Provision 634 poles will be provided with arms, fixtures, shorting caps for photocell receptacles, anchor bolts, and breakaway couplings.

13. Directional drilling conduit shall meet the requirements of 715.03. I have not located this in the specifications.

    Answer: This is in the MaineDOT 2014 Standard Specifications.

14. Question: In the past, non-UL listed conduit has been acceptable for directional drilling. Will that be the case on this project?

    Answer: No. All conduit shall be UL Listed as noted in the Special Provision 626.02.

15. Question: No Electricians Apprentice wage rate requested on this project- nor was a wage rate shown in the Davis Bacon table.

    Answer: Electrician's apprentice is Item 631.54 and is shown in the plans and Special Provisions. Per the Wage Rate Table notes, the minimum wage rate for registered apprentices are those set forth in the standards and policies of the Maine State Apprenticeship and Training Council for approved apprenticeship programs.

16. Question: 90KW Generator listed on the 1-line diagram. 105KW indicated in the specifications. Which is it?

    Answer: Generator is 90 kW on Propane and the 100kW for natural gas.

17. Question: Would a model DG100 that is 89 kW on propane and 100 kW on natural gas acceptable? Next model up is a DG125 that is 125kW on natural gas and 117 kW on propane.

    Answer: DG100 with 89kW on Propane and the 100kW for natural gas is acceptable.

18. Question: Can we get an extra week to bid this project?

    Answer: Bid opening will be moved to November 15, 2022 as noted in Addendum #1.

19. Question: Is AIR-SHIELD LSR acceptable for use?

    Answer: Yes, AIR-SHIELD LSR is acceptable.

20. Question: On Contract drawing sheet GB-08 (sheet 607 of 735), the Service Limit State Factored Bearing Resistance = 2.0 KSF appears understated compared with the Strength Limit State Factored Bearing Resistance of 7.3 KSF. Is the Service Limit State Value of 2.0 KSF a typographical error?

    Answer: The plans will be revised to indicate the service limit state bearing pressure of 3.2 ksf as noted for Plan Sheet 607 in Addendum No. 1.

21. Question: Sheet 252- Can you provide some clarity on the Co-Locate at Station 166+00. Could this be a remove and reset item?

    Answer: The co-locate note will be deleted on Sheet 252 in Addendum No. 1.

22. Question: Typically, you have a line-item number for: Toll Admin Building (Electrical Only) Northbound and Southbound. It appears you are missing that on this project? The electrical contractor taking care of the rest of the project should have to do the buildings as well. Same issue for New Toll Booth Installation (Electrical Only).

    Answer: Building electrical work shall be incidental to the building Lump Sum item as noted in the Special Provision Section 800.

23. Question: Sheet 250- Remove & reset at 617+00. Is the removal pole at station 616+10?

    Answer: The pole is to be reset from Sta. 616+24 LT to Sta. 617+19 LT as noted on plan sheet 250.

24. Question: Can we identify 18x11 and 24x36 junction boxes differently?

    Answer: Junction box sizing is noted in the Power and Communication Plan legend unless noted otherwise in the plans.

25. Question: What are the anticipated factored and unfactored vertical and horizontal loads applied to the abutment for the design of the soil nail wall?

Answer: The factored and unfactored vertical and horizontal loads applied to the abutment will be provided after Award. The existing bridge plans will be uploaded to the MTA website for use by the Contractor.

26. Question: What is the basis for the 3/8" limiting value for both the soil nail wall and bridge abutment. What is the governing factor controlling the movement of the abutment?

    Answer: The limiting values will be increased to ½" as noted for SP-259 in Addendum No. 1.

27. Question: Is a building contractor who currently has a contract with the MTA considered prequalified?

    Answer: No, they are not considered prequalified.

28. Question: Can a building contractor who is not MaineDOT prequalified be qualified for this project only?

    Answer: The building Contractor can follow the MTA prequalification procedure found in Supplemental Specification 103.3.

29. Question: Item 603.28 Concrete Collar currently has a quantity of 12 Each. Should this be changed to 12 CY?

    Answer: No, per Special Provision 603 these are paid for by each unit complete in place.

ATTACHMENTS

- Pre-Bid Agenda (11 pages)
- Pre-Bid Sign-In sheets (2 pages)
- Proposal Sheets (21 pages)
- Plans (5 Pages)

MAINE TURNPIKE AUTHORITY

Pre-Bid Conference

CONTRACT 2022.02

INTERCHANGE IMPROVEMENTS
SACO (EXITS 35 & 36)
MM 34.7 TO MM 36.6

OCTOBER 25, 2022, 10:00 A.M.

1) Location:

The general limits of work are as shown on the Contract Plans and are from MM 34.7 to MM 36.6 and includes work along Route 112 from Hillview Avenue Extension extending east 2700'.

2) General Description:

The work consists of highway, interchange, and toll system construction at Exit 35 in Saco and modifications to the Exit 36 Interchange in Saco. The work includes a new interchange at MM 35, including southbound and northbound ramps, a new southbound toll plaza on the west side of the Maine Turnpike with a signalized intersection at Route 112, a new northbound toll plaza on the east side of the Maine Turnpike with a signalized intersection at Route 112, widening of the southbound Maine Turnpike to construct a separated collector-distributor road, widening of Route 112, and construction of access roads. The work includes earthwork, pavement, concrete, signing, overhead sign structures, concrete barrier, guardrail, drainage, stormwater management, electrical work, highway lighting, lightning suppression systems, and maintenance of traffic. The toll plaza work includes installation of tolling equipment, administration buildings, canopies, and toll booths and all other work incidental thereto in accordance with the Plans and Specifications.

3) Bid:

a) Opening: November 8, 2022 at 11:00 A.M. at the office of the Maine Turnpike Authority, 2360 Congress Street, Portland.

b) All bid and contractual questions shall be directed to Nate Carll, at phone (207) 482-8115. Email: ncarll@maineturnpike.com.

c) All questions on plans and specifications shall be in writing and shall be directed to Nate Carll, Purchasing Manager, of the Maine Turnpike Authority. Fax No. (207) 871-7739. Email ncarll@maineturnpike.com

d) All questions regarding Contract 2022.07 shall be submitted by November 1, 2022 at 12:00 pm. Questions received after that time may not be answered.

e) Bids will be accepted from Contractors **prequalified** by the Maine Department of Transportation for Highway Construction Projects or Bridge Construction Projects. In addition, Contractors submitting bids must be themselves or utilize a highway subcontractor **prequalified** by the Maine Department of Transportation, a bridge subcontractor **prequalified** by the Maine Department of Transportation, a building subcontractor **prequalified** by the Maine Department of Transportation

for Buildings, and an electrical subcontractor **prequalified** by the Maine Department of Transportation for Traffic Signals and Lighting Projects. All other bids may be rejected.

4) Notification:

a) Contractor shall notify and obtain approval from the Authority prior to visiting the Project sites for field inspection. The contact person is Mr. Steve Tartre at startre@maineturnpike.com

5) Contract Specifications

a) The Specifications are divided into four parts: Part I - Supplemental Specifications, Part II - Special Provisions, Part III – Division 800, and Part IV - Appendices.

b) The Maine Turnpike Supplemental Specifications are additions and alterations to the 2014 Maine Department of Transportation Standard Specifications and are available on the MTA's website.

6) Holidays (Special Provision 101.2)

a) Add the day of Juneteenth

7) Maine Department of Labor – Fair Hourly Wages (Special Provision 104.3.8)

a) Wage rates for Highway and Earthwork, Heavy and Bridge, and Building 2 for York County are included in the Special Provisions.

8) Utility Coordination (Special Provision 104.4.6)

a) Five aerial utility facilities are present within the project site: CMP, Consolidated Communications, Charter Communications, Oxford Networks/FirstLight, and Otelco.

b) Four underground utilities are present within the project sites: Maine Water Company, Saco Water Resource Recovery Department, MTA (Lighting Conduit) and Until Corporation.

9) Cooperation With Other Contractors (Special Provision 104.4.7):

A. MTA Contract 2022.02 – Exit 36 Improvements and Pavement Rehabilitation MM 35.5 to MM 34.9 & Culvert Outlet Ditching MM 34.9

B. City of Saco – Sewer Force Main Replacement

C. City of Saco – Jenkins Road Intersection Improvements

10) Limits on Subcontracting (Special Provision 104.5.1)

a) The Contractor shall perform at least 20% of the value of the Work with its own Work force, excluding any specialty items as designated in the contract documents by the Authority. The Contractor shall not carry the Workers of another Contractor or firm on its payroll or a Subcontractor's payroll. The Contractor shall not use any Subcontractors that are debarred from Bidding by the Federal Government or any agency of the State of Maine.

11) Permit Requirements (Special Provision 105.8.2)

a) The Project is being constructed under the following Maine Department of Environmental Protection (DEP) Permits: Natural Resources Protection Act Individual Permit, and Maine Construction General Permit.

b) The Project has been authorized under Section 404 of the Clean Water Act, through the US Army Corps of Engineers Individual Permit.

c) The Project is subject to the requirements of the Maine Pollutant Discharge Elimination System (MPDES) General Permit for Stormwater Discharge from Construction Activity.

d) The Project is subject to the Stormwater Memorandum of Agreement for Stormwater Management Between the Maine Department of Transportation, Maine Turnpike Authority, and Maine Department of Environmental Protection (Stormwater MOA). Under the Stormwater MOA, all MTA construction, operation, and maintenance activities are subject to Maine Stormwater Law Basic Standards through implementation of MaineDOT's Best Management Practices for Erosion and Sedimentation Control (MaineDOT BMP Manual), which are the Contractor's responsibility to implement.

e) The Contractor shall prepare a Limit of Disturbance (LOD) plan illustrating the Contractor's proposed limit of earthwork disturbance. LOD Plan shall be submitted for review and approval, to the Resident within 14 days of Contract award.

f) The project is within an MS4 Area and the Contractor will be required to follow and sign MTA Contractor Stormwater Awareness Affidavit provided in Appendix I of the Special Provisions. MS4 compliance requires all Contractors to be properly trained in Erosion and Sedimentation Control (ESC) measures (as per Special Provision Subsections 105.8.1 and 656.07) and implement measures to reduce pollutants in stormwater runoff from construction activities.

12) <u>As-Built Plans (Special Provision 105.11)</u>

a) The Contractor shall provide the Authority with as-built plans in PDF and MicroStation, or other approved CADD formats. The as-built plans shall note changes to the bid documents, including, but not limited to pavement, concrete, barrier, guardrail, culverts, drainage, foundations, wiring, signs, etc. The as-builts shall also provide GPS accurate locations of all underground work. Submittal of Draft, Final Draft, and 100% as-built plans to the resident shall be conditions of Mobilization payment, Retainage Reduction, and Final Payment as noted in Special Provision 108.

13) <u>Construction Schedule/Substantial Completion:</u>

a) November 17, 2022 – Contract Award Date

b) May 26, 2023 – Preload embankment and all instrumentation initialized and operational

c) April 1, 2023 – All clearing completed

d) July 1, 2023 –Hotel Access Road constructed to subgrade

e) October 18, 2024 –Soil nail wall construction complete

f) October 24, 2025 – Exit 35 shall be Substantial Complete

g) November 21, 2025 – Contract Completion Date

14) <u>Prosecution of Work (107.4.6) & Limits of Operations (Special Provision 107.4.7)</u>

a) The contractor shall be allowed a maximum of 15 nights of single ramp closures to complete the Exit 36 Improvements. Two ramps may be closed simultaneously only if work is occurring on both

ramps. The contractor shall be allowed a maximum combined total of 15 nights of single night closures at Exit 36 SB on ramp (7 nights), Exit 36 SB off ramp (4 nights), and Exit 36 NB off ramp (4 nights) to complete the Exit 36 improvements. Two ramps may be closed simultaneously only if work is occurring on both ramps. Ramp closure(s) will not be allowed over a weekend or holiday sunless otherwise approved by the Resident. All Ramp closures shall occur before June 15th or after Labor Day Weekend.

b) Supplemental Liquidated damages on a calendar day basis in accordance with subsection 107.8 shall be assessed for each calendar day that each of the interim completion dates are not achieved or each additional night of ramp closures beyond the maximum individual and total number specified above.

c) The Authority will utilize 348 North Street for the field office. The Contractor will remove this building at the end of the project. The Contractor shall disconnect utilities at their respective mains in accordance with SP 202 prior to placing any pavement on Route 112. The Contractor shall provide a minimum of 30 days notice to the Resident prior to anticipated utility disconnection. The Authority will supply and maintain the field office at 348 North Street for Authority personnel, including utilities and supplies. The Contractor shall maintain access to the field office for the duration of the project including plowing, sanding, and salting of the driveway and walkways. Payment for maintaining access shall be incidental to the Contract.

d) The Contractor shall submit to the Authority a construction schedule which shall document that the Contractor has the necessary labor and equipment to work immediately and continuously at the project site. The intent of this specification is to minimize the amount of time for construction, while providing the Contractor sufficient time to complete the work in a diligent manner as prescribed by the project's Substantial Completion date.

e) Traffic signals shall be set to flashing for two weeks prior to the signal becoming fully operational, when the new interchange opens to traffic.

f) Toll plazas shall become operational at midnight of the day they are opened to traffic.

g) The contractor shall maintain two-way paved access to the Ramada Inn from Route 112 at all times. The contractor shall notify the resident a minimum of 30 days prior to the requested closure of the Hotel & Conference Center Ramps. The Hotel & Conference Center Ramps may not be closed until work commences on the Exit 35 ramps. The existing hotel entrance at the intersection of Route 112 and Lund Road shall not be closed until the proposed Hotel Access Road is paved to binder and open to traffic.

h) The Ramada Inn and XL Sports shall be notified a minimum of 5 days prior to scheduled shutdowns of their utilities.

i) Surface paving of new lanes adjacent to mainline milling shall not be placed until the milled areas are paved (filled in).

j) The construction in each location shall proceed expeditiously. Once a ramp or bound of the Maine Turnpike is milled it shall be paved (filled in) within two weeks.

k) Temporary bituminous ramps will be required at the ends of each milled lane.

l) The contractor shall not run pavers, rollers, or other heavy equipment over the toll slabs and shall protect them from tracking of tack coat.

m) Traffic will be allowed to traverse the longitudinal joint between surface pavement and milled lanes where the pavement is lower in one lane than the adjacent lane only when a safety edge is used.

n) The contractor shall complete the excavation, drainage, subbase, pavement, toll booths, concrete slabs, and electrical work associated with the Exit 35 Northbound and Southbound toll plazas in a condition suitable for commissioning and testing of the toll lanes by the System Integrator and Authority. The electrical systems associated with the two Administration buildings shall be complete prior to beginning the testing and commissioning of the toll lanes, including all interconnect fiber cables. The System Integrator shall commence commissioning testing once the cash lanes are in a suitable condition and complete the testing no later than 14 calendar days for each toll lane. The commissioning and testing on the Northbound and Southbound lanes will be done separately to facilitate the construction schedule.

o) Due to the presence of marine deposits, material stockpiles will be limited to a height of 15 feet on the project site to minimize the potential for slope instability without prior approval by the Engineer. The Contractor shall spread materials delivered for embankment construction as they arrive on site.

p) Completion of the preload waiting period will be determined by the Engineer based on the collection and evaluation of instrumentation data. No construction activities will be allowed during the first five months of the waiting period. After the first five months of the waiting period the Contractor may install piles, but no other construction shall occur until the completion of the waiting period, which is anticipated to be six months. The contractor shall consider the duration of the waiting period in the development of their bid and sequencing of the work.

q) Care shall be taken when working near catch basins to ensure foreign material and contaminants do not enter the basin. If foreign material and/or contaminants enter the basin, it shall be removed prior to the material exiting the basin into a waterway. Removal shall be completed to the satisfaction of the Resident and payment shall be incidental to the Contract.

r) The Contractor shall submit their proposed staging and storage areas for approval by the Authority. All stored equipment must be outside of the clear zone. Proposed equipment storage locations shall be selected based on (1) proximity to Urban Impaired Streams / Protected Natural Resources; (2) minimizing rutting or other actions that may hinder sheet flow from roadway; and (3) spill control and prevention, in the event of a fluid release from the equipment.

s) The Contractor shall complete the work as shown on the phasing and maintenance of traffic plans. Modifications to the phasing or associated maintenance of traffic plans will not be permitted unless submitted in writing a minimum of 14 days prior to anticipated implementation, including detailed plans, and approved by the Authority.

t) All roadway lanes, ramps, bridges and driveways shall remain open at all times and in accordance with the restrictions of Special Provision 652 unless otherwise noted herein or approved by the Authority.

u) Ramps shall not be closed on holidays.

v) The Contractor shall progress the work in a manner that minimizes disruption to the public to the extent practical.

w) The Contractor shall secure all catch basin grates with Sikaflex 1a or approved equal before being allowed to shift traffic onto the shoulder.

x) Existing lighting at the Hotel Northbound On Ramp shall be maintained and operational until the proposed high mast light at Exit 36 Northbound Off Ramp is installed and operational.

y) Long-term shoulder closures and lane shifts along I-95 mainline shall only be used during periods of construction activity. During periods of inactivity (periods of inactivity are considered to be greater than two weeks), the Contractor shall remove the lane shifts or shoulder closures and relocate the temporary barrier and other maintenance of traffic devices to reestablish normal traffic conditions.

z) Existing lighting at the Hotel Northbound On Ramp shall be maintained and operational until the proposed high mast light at Exit 36 Northbound Off Ramp is installed and operational.

aa) Wide loads will be allowed to pass through the Project area on the Maine Turnpike during daylight hours as authorized by the Authority. Wide loads are restricted from moving on the Turnpike from a half hour after sunset until a half hour before sunrise. Wide loads must be able to safely pass all daytime work areas. Wide loads will not be permitted to pass through the Project area on Route 112 during bridge wearing surface replacement. The wide load lane may be closed when wide loads are not permitted on the Turnpike by the Authority. The temporary wide load lane closures must be scheduled one week in advance and occur outside of the various Holiday restrictions.

bb) Between November 15th and April 1st the Contractor shall provide, at a minimum, 4'-0" inside shoulders and 8'-0" outside shoulders along the Maine Turnpike mainline and ramps.

cc) 30 days prior and again 14 days prior to placing maintenance of traffic devices and narrowing the Exit 36 ramps for each construction season, the Contractor shall notify the following businesses to allow adjustments in oversize permit applications:

- Casco Bay Steel – Brian Tupper – (207) 415-4787
- Casco Bay Transportation – Rick Bryan – (207) 710-2323
- Wood Structures (Boise Cascade) – Shawn Palardy – (877) 291-5276

dd) There shall be no pile driving during non-daylight hours. Pile driving will not be allowed within 10 feet of traffic.

ee) Any required pump closures for pumps 6, 8, and 10 at the gas station at 337 North Street shall occur between hours of 9:00 p.m. and 6:00 a.m. and shall be coordinated with the Resident in writing a minimum of 14 calendar days prior to the requested closures.

15) Incentives/Disincentives (Special Provision 107.6)

a) This Contract will include Completion Incentives of $1,000 per day for each night of ramp closures less than the maximum number specified in subsection 107.4.6 Prosecution of Work.

b) The Contract will include Completion Disincentives of $1,000 per Calendar Day for each night of ramp closures beyond the maximum number specified in subsection 107.4.6 Prosecution of Work.

16) Mobilization Payment (Special Provision 108.2.3)

a) The second paragraph is deleted in its entirety and replaced with the following: Upon approval of all pre-construction submittals required for approval by this Contract, including those listed in Section 104.4.2 – Preconstruction Conference, the Contractor will receive payment of 50% of the Lump Sum price for Mobilization, not to exceed 5% of the Bid less the amount bid for

Mobilization. After the Authority determines that the Work is 50% complete and the Contractor has submitted a Draft (50%) as-built submittal of all underground work to date (within the prior 30 day pay period) as defined in Special Provision 105., the Contractor will receive the other 50% of the Lump Sum price for Mobilization, not to exceed 5% (10% total for both payments) of the Bid less the amount bid for Mobilization. Any remaining Mobilization will be paid upon Final Acceptance.

17) Retainage (Special Provision 108.3)

a) The seventh paragraph is deleted in its entirety and replaced with the following: When requested by the Contractor an 80 percent reduction of retainage will be considered by the Authority when the Project is substantially complete and the Contractor has submitted a Final Draft (98%) as-built submittal of all underground work, in accordance with Special Provision 105. When requesting a reduction, the Contractor shall include an explanation of the outstanding Work, and estimate of the cost to complete the Work, and a schedule for completing the Work. Seasonal limitations as well as warranty and establishment periods (for vegetation) shall be addressed.

18) Price Adjustment for Diesel Fuel (Special Provision 108.4.2)

a) A price adjustment for diesel fuel will be made based on the variance in costs using the weekly retail diesel price for the New England area as listed on the Energy Information Administration's webpage as noted in Special Provision 108.4.2

19) Right to Withhold Payments (Special Provision 108.5)

a) The following is added to this Section: Failure to provide appropriate superintendence as defined in Section 104.3.4.

20) Final Payment (Special Provision 108.8)

a) The first paragraph is deleted in its entirety and replaced with the following: Following conditional acceptance of the physical Work under subsection 107.9.3, and submission of 100% As-built plans to the Resident, in accordance with Special Provision 105, the Authority will prepare a final Invoice reflecting final quantities of the items of Work performed. The Authority may require the Contractor to provide information necessary to substantiate Pay Items, including Statements itemizing Force Account Work. The Authority will make final payment upon approval of the Authority's board, in the amount of the Work done, less all previous payments and all amounts to be retained or deducted under the provisions of the Contract. For a related provision, see Section 107.9.5 – Final Acceptance.

21) Specific Contract Items

a) Section 203 – Excavation and Embankment (Contaminated Soil and Groundwater Management)

i) Three areas on the project have been identified where contamination was observed as shown in the Limited Subsurface Investigative Summary dated May 13, 2022. Refer to SP 203 for requirements related to contaminated media.

b) Section 203 – Excavation and Embankment (Special Fill – Streambed Material)

i) Special Fill – Streambed Material shall be carefully blended and placed as noted in Special Provision 203.

c) Section 502 – Structural Concrete (Toll Plaza Entry and Exit Points)

i) The toll plaza entry slabs and toll point exit slabs include a sacrificial top mat of GFRP as shown in the plans

d) Section 602 – Pumped Grout Fill

i) All existing culverts to be abandoned shall be filled with Pumped Grout Fill.

e) Section 626 – Foundations, Conduit, and Junction Boxes for Highway Signing, Lighting, and Traffic Signals

i) Payment for non-metallic conduit and horizontal directional drilled conduit for highway lighting and traffic signals includes all wiring for highway lighting and traffic signals.

ii) All conduit shall be UL listed for use as electrical or communications conduit.

f) Section 633 – Gas Utility

i) The Contractor shall coordinate the construction of the Propane Service with the Authority's propane supplier, through the Resident.

ii) The Contractor shall Coordinate the construction of the utility trench with Unitil, through the Resident. Natural gas lines shall be furnished by Unitil. Excavation, bedding, and backfill shall be completed by the Contractor.

g) Section 634 – Highway Lighting

i) Existing lighting shall remain operational at all times until new luminaires are installed and operational.

ii) All new highway lighting pay items shall be supplied by the Authority. This shall include light standards, breakaway devices, bracket arms, LED luminaire driver, and fixture mounted shorting caps at photocell receptacles.

iii) The Contractor shall supply new fuse kits and other incidentals required to complete the work.

h) Section 636 – Soil Nail Wall

i) The Contractor shall design and construct the soil nail wall in accordance with the 636 special provisions and plans.

ii) The Contractor shall monitor the Existing Exit 36 I-195 Overpass Bridges in accordance with the 636 Special Provisions.

i) Section 643 – Traffic Signals

i) Traffic signals shall be 48 VDC.

ii) The Lump Sum price for Traffic Signals includes installation of the wireless interconnect system to be supplied by the Authority.

iii) The Lump Sum price for Vehicle Detection Systems includes installation of the queue detection equipment provided by the Authority, include wiring and incidentals.

j) Section 645 – Highway Signing (Overhead Guide Signs, Cantilever Guide Signs)

i) Foundation designs for overhead and cantilever guide signs structures are included in the plans. The Contractor may propose alternate foundation designs in accordance with Section 645.

ii) The Contractor shall not commence foundation construction prior to receiving approved sign structure shop drawings and calculations.

k) Section 652 – Maintenance of Traffic - General

i) 652 SP replaces the MaineDOT Standard Specification 2014 Edition Section 652 and MTA 2016 Supplemental Specification Section 652.

ii) A Truck Mounted Attenuator shall be utilized in all lane closures, shoulder closures, and other construction operations on the Turnpike mainline, where work is being completed within the travelway or shoulder and the workers are not protected by other positive means (i.e. closures that do not include temporary concrete barrier).

iii) Sequential Flashing Warning lights are to be used for merging and shifting tapers that are in place during the nighttime hours (12-hours when ambient light is dimmed). These lights shall flash sequentially beginning with the first light and continuing until the final light at the beginning of a tangent section.

iv) Automated Trailer Mounted Speed Signs requires furnishing, operating, and maintaining one or more Automated Trailer Mounted Radar Speed Limit Sign for project use. An Automated Trailer Mounted Radar Speed Limit Sign shall be utilized wherever there is a Work Zone Speed Limit in place.

v) Unless otherwise specified in the contract documents the minimum main line width for a single travel lane shall be 14 ft and minimum ramp widths of 16 ft which must be maintained at all times, from ½ hour before sunrise and ½ hour after sunset as indicated on the Sunrise/Sunset Table at: http://www.sunrisesunset.com/usa/Maine.asp.

vi) Closures that are setup early or that remain in place outside of the approved time period shall be subject to a lane rental fee of $1,000 per five minutes for every five minutes outside of the approved time.

vii) The traffic shall only be stopped for the minimum period of time required to complete the approved activity. The Contractor shall reimburse the Authority at a rate of $500 per minute for each minute in excess of the five-minute allowance.

viii) Milling and paving of interchange ramps shall be done between 9:00 p.m. and 5:00 AM, unless otherwise shown on the Maintenance of Traffic Phasing Plans or as directed by the MTA. Only a single ramp at an interchange may be closed at once. Ramp closures will not be permitted the day before or after holidays, on holidays, or on Saturdays or Sundays.

ix) Two lanes of traffic (one lane in each direction) shall be maintained at all times on Route 112 with the exception of the hours between 7:00 p.m. and 7:00 a.m. Sunday through Thursday nights. During this overnight period, traffic may be reduced to a single lane of alternating one-way traffic. In addition, traffic may be reduced to a single lane of alternating one-way traffic between 9:00 a.m. and 3:00 p.m. Monday through Friday. The maximum length of single-lane alternating traffic shall be 1200 feet.

x) A temporary centerline shall be placed each day on Route 112 on all new pavement to be used by traffic. The temporary centerline, when specified of reflectorized traffic paint, shall conform to the standard marking patterns used for permanent markings. Failure to apply a temporary centerline daily will result in a Traffic Control Violation and suspension of paving operations until temporary markers are applied to all previously placed pavement.

xi) Maintenance of traffic plans have been developed for the work shown in the plans. Minimum widths on the Mainline shall be 12 ft lanes and 2 ft shoulders unless otherwise noted. Minimum ramp widths of 16 ft (12 ft lanes and 2 ft shoulders) must be maintained at all times unless otherwise noted.

xii) A maximum of 5,000 LF of temporary concrete barrier may be in place for no more than 45 days when travel lane is less than 4' from barrier for left shoulder or 8' from a barrier for a right shoulder.

xiii) Construction vehicles will not be allowed to cross active ramps. Access to, and egress from, the project site shall be with the direction of travel without crossing traffic.

xiv) Equipment moves across ramps will require a short-term ramp closure (i.e. 5-minute maximum timeframe) utilizing State Police and must be approved by the Authority in advance. Ramp closures for equipment moves will not be permitted between 6:00 a.m. and 10:00 a.m. and between 3:00 p.m. and 7:00 p.m. All State Police shall be coordinated through the Maine Turnpike Authority. The Authority will make payment for the State Police officers and vehicles directly to the State Police.

l) Section 655 – Electrical Work (Toll System Conduit and Wiring)

i) All conduit (including horizontal direction drilled conduit) and wiring for toll systems shall be paid under their respective pay items.

m) Section 670 – Sewage Disposal System (Southbound)

i) Appendix B – Subsurface Wastewater Disposal System Application contains the design.

ii) Before any portion of the work can be backfilled the Contractor shall make arrangements with the Local Plumbing Inspector (LPI) to inspect the work. Backfilling shall proceed pursuant to approval of the work by the LPI.

n) Section 800 – Buildings and Structures

i) The Contractor should note all work items listed ins Section 800.03 – Work Included

ii) Part III – Division 800 contains the building specifications.

o) Section 845 – Special Work

i) There are three existing business signs with power to be relocated. The final locations shall be as directed by the Resident.

ii) Relocation of existing business signs shall include new foundations designed by the Contractor.

p) Plan Sheet 642 (TP-34) – Section D-D

i) This detail includes a note that the weld is not an AWS pre-qualified weld. Fabricator shall qualify this weld and submit a process qualification report (PQR) in accordance with AWS D1.1.

22) Questions

a) Questions received prior to pre-bid conference will be answered with Addendum #1.

MAINE TURNPIKE AUTHORITY

Pre-Bid Conference

CONTRACT 2022.07

INTERCHANGE IMPROVEMENTS
SACO (EXITS 35 & 36)
MM 34.7 TO MM 36.6

October 25, 2022 10:00 AM

NAME (PRINT)	COMPANY	PHONE	EMAIL
Joe Howe	Starter	207-887-3501	joe.howe@starter.com
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MAINE TURNPIKE AUTHORITY

Pre-Bid Conference

CONTRACT 2022.07

NAME (PRINT)	COMPANY	PHONE	EMAIL
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PETER MERFELD	MTA		
PETER MILLS	MTA		

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
			BROUGHT FORWARD:				
609.14	VERTICAL BRIDGE CURB TYPE 1 - CIRCULAR	Linear Foot	180				
609.15	SLOPED CURB TYPE 1	Linear Foot	16				
609.21	CONCRETE SLIPFORM CURB	Linear Foot	2,690				
609.219	CONCRETE SLIPFORM CURB - TERMINAL END	Linear Foot	256				
609.221	TERMINAL CURB TYPE 1	Linear Foot	95				
609.222	TERMINAL CURB TYPE 1 - CIRCULAR	Linear Foot	12				
609.26	CURB TRANSITION SECTION B TYPE 1- EACH	Each	2				
609.34	CURB TYPE 5	Linear Foot	1,450				
609.35	CURB TYPE 5 - CIRCULAR	Linear Foot	53				
610.08	PLAIN RIPRAP	Cubic Yard	816				
610.18	STONE DITCH PROTECTION	Cubic Yard	72				
610.181	TEMPORARY STONE CHECK DAM	Cubic Yard	510				
			CARRIED FORWARD:				

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
			BROUGHT FORWARD:				
610.213	VOID-FILLED RIPRAP - TYPE A OR B	Cubic Yard	120				
613.319	EROSION CONTROL BLANKET	Square Yard	37,000				
615.07	LOAM	Cubic Yard	5,720				
618.13	SEEDING METHOD NUMBER 1	Unit	77				
618.14	SEEDING METHOD NUMBER 2	Unit	779				
618.143	SPECIAL SEEDING	Unit	3				
618.15	TEMPORARY SEEDING	Pound	9				
619.1201	MULCH - PLAN QUANTITY	Unit	859				
619.1202	TEMPORARY MULCH	Lump Sum	1				
619.1401	EROSION CONTROL MIX	Cubic Yard	100				
620.56	DRAINAGE GEOTEXTILE	Square Yard	10,900				
620.561	IMPERVIOUS LINER	Square Yard	5,200				
			CARRIED FORWARD:				

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
			BROUGHT FORWARD:				
620.58	EROSION CONTROL GEOTEXTILE	Square Yard	3,645				
621.046	EVERGREEN TREE (8 - 10 FEET) GROUP A	Each	13				
621.264	MULTI-STEM DECIDUOUS TREE GROUP A	Each	2				
621.273	LARGE DECIDUOUS TREE (2" - 2.5" CALIPER) GROUP A	Each	15				
621.389	EVERGREENS (15" - 18") GROUP A	Each	6				
621.401	EVERGREENS (2 - 2.5 FEET) GROUP A	Each	4				
621.513	HYBRID RHODODENDRON (2.5 - 3 FEET)	Each	5				
621.552	DECIDUOUS SHRUBS (3 - 4 FEET) GROUP A	Each	60				
625.106	WATER SERVICE SUPPLY LINE (<3 IN)	Linear Foot	750				
625.107	WATER METER PIT	Each	2				
626.121	QUAZITE JUNCTION BOX (36X24)	Each	15				
626.122	QUAZITE JUNCTION BOX (18X11)	Each	143				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
			BROUGHT FORWARD:				
626.123	QUAZITE JUNCTION BOX (48X36)	Each	4				
626.13	4' X 6' SPLICE BOX WITH ACCESS DOOR	Each	5				
626.22	NON-METALLIC CONDUIT	Linear Foot	38,000				
626.223	HORIZONTAL DIRECTIONAL DRILLED CONDUIT	Linear Foot	1,900				
626.31	18 INCH DIAMETER FOUNDATION	Each	15				
626.32	24 INCH DIAMETER FOUNDATION	Each	127				
626.33	30 INCH DIAMETER, LESS THAN 8 FEET OR LESS FOUNDATION	Each	4				
626.332	30-INCH DIAMETER, GREATER THAN 8-FEET LONG, ALL 36 INCH AND 42 INCH DIAMETER FOUNDATIONS	Cubic Yard	113				
626.333	48-INCH DIAMETER, 54-INCH DIAMETER, 60-INCH DIAMETER FOUNDATIONS	Cubic Yard	25				
626.35	CONTROLLER CABINET FOUNDATION	Each	4				
626.36	REMOVE OR MODIFY CONCRETE FOUNDATION	Each	39				
626.38	GROUND MOUNTED CABINET FOUNDATION	Each	1				
			CARRIED FORWARD:				

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
			BROUGHT FORWARD:				
627.18	12" SOLID WHITE PAVEMENT MARKING LINE	Linear Foot	7,500				
627.712	WHITE OR YELLOW PAVEMENT MARKING LINE	Linear Foot	120,650				
627.73	TEMPORARY 6 INCH PAVEMENT MARKING TAPE	Linear Foot	67,200				
627.731	TEMPORARY 6 INCH BLACK PAVEMENT MARKING TAPE	Linear Foot	1,400				
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	Linear Foot	460				
627.75	WHITE OR YELLOW PAVEMENT & CURB MARKING	Square Foot	3,100				
627.77	REMOVING EXISTING PAVEMENT MARKING	Square Foot	20,400				
627.78	TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	Linear Foot	197,000				
627.812	TEMPORARY RAISED PAVEMENT MARKERS	Each	7,050				
627.941	PAVEMENT MARKING TAPE – DOTTED WHITE LANE LINE, 6-INCH WIDTH	Linear Foot	670				
627.942	PAVEMENT MARKING TAPE – DOTTED WHITE LANE LINE, 12-INCH WIDTH	Linear Foot	860				
627.944	PAVEMENT MARKING - RECESSED TAPE - WORDS, ARROWS, STOP BARS	Square Foot	360				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
			BROUGHT FORWARD:				
629.05	HAND LABOR, STRAIGHT TIME	Hour	200				
631.10	AIR COMPRESSOR (INCLUDING OPERATOR)	Hour	70				
631.11	AIR TOOL (INCLUDING OPERATOR)	Hour	70				
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	Hour	200				
631.13	BULLDOZER (INCLUDING OPERATOR)	Hour	200				
631.14	GRADER (INCLUDING OPERATOR)	Hour	100				
631.171	TRUCK - SMALL (INCLUDING OPERATOR)	Hour	100				
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	Hour	100				
631.18	CHAIN SAW RENTAL (INCLUDING OPERATOR)	Hour	30				
631.21	ROAD BROOM (INCLUDING OPERATORS AND HAULER)	Hour	10				
631.22	FRONT END LOADER (INCLUDING OPERATOR)	Hour	100				
631.32	CULVERT CLEANER (INCLUDING OPERATOR)	Hour	50				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
			BROUGHT FORWARD:				
631.36	FOREMAN	Hour	100				
631.51	BUCKET TRUCK	Hour	60				
631.52	SCISSOR LIFT	Hour	60				
631.53	ELECTRICIAN	Hour	100				
631.54	ELECTRICIAN'S APPRENTICE	Hour	100				
631.55	PLUMBER	Hour	60				
633.031	NATURAL GAS SERVICE - NORTHBOUND	Lump Sum	1				
633.0311	NATURAL GAS SERVICE - HOTEL	Lump Sum	1				
633.032	PROPANE SERVICE - SOUTHBOUND	Lump Sum	1				
633.21	PROPANE TANK SUPPORTS (12' X 4')	Each	2				
633.31	PROPANE TANK PAD	Square Yard	27				
634.052	REMOVE HIGH MAST LIGHT STANDARD	Each	3				
			CARRIED FORWARD:				

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
			BROUGHT FORWARD:				
634.1751	REPLACEMENT LED FIXTURE - SUPPLIED BY THE AUTHORITY	Each	12				
634.2078	HIGH MAST LIGHT STANDARD - SUPPLIED BY THE AUTHORITY	Each	1				
634.208	REMOVE AND RESET LIGHT STANDARD	Each	8				
634.2312	CONVENTIONAL LIGHT STANDARD WITH LED FIXTURE - SUPPLIED BY THE AUTHORITY	Each	80				
636.400	SOIL NAIL WALL DESIGN	Lump Sum	1				
636.401	SOIL NAIL WALL CONSTRUCTION MONITORING - EXISTING BRIDGE	Lump Sum	1				
636.411	SOIL NAIL WALL	Square Foot	3,750				
639.26	INSTRUMENTATION (GEOTECHNICAL)	Lump Sum	1				
643.712	LANE USE SIGNAL	Each	6				
643.713	PREEMPTIVE SYSTEM AT EXIT 35 NB INTERSECTION	Lump Sum	1				
643.714	PREEMPTIVE SYSTEM AT EXIT 35 SB INTERSECTION	Lump Sum	1				
643.80	TRAFFIC SIGNAL AT ROUTE 112 AND EXIT 35 SB	Lump Sum	1				
			CARRIED FORWARD:				

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
			BROUGHT FORWARD:				
643.81	TRAFFIC SIGNAL AT LUND RD AND EXIT 35 NB	Lump Sum	1				
643.82	VEHICLE DETECTION SYSTEM AT LUND RD AND EXIT 35 NB	Lump Sum	1				
643.83	VEHICLE DETECTION SYSTEM AT ROUTE 112 AND EXIT 35 SB	Lump Sum	1				
643.92	PEDESTAL POLE	Each	4				
643.941	DUAL PURPOSE POLE W/15' MAST ARM	Each	2				
643.942	DUAL PURPOSE POLE W/25' MAST ARM	Each	1				
643.943	DUAL PURPOSE POLE W/30' MAST ARM	Each	1				
643.944	DUAL PURPOSE POLE W/35' MAST ARM	Each	2				
643.945	DUAL PURPOSE POLE W/40' MAST ARM	Each	1				
643.946	DUAL PURPOSE POLE W/45' MAST ARM	Each	1				
645.105	REMOVE AND STACK SIGN	Each	1				
645.109	REMOVE AND RESET SIGN	Each	23				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
			BROUGHT FORWARD:				
645.1092	CANOPY MOUNTED DYNAMIC MESSAGE SIGN	Each	2				
645.1099	REMOVE AND DISPOSE SIGN	Each	30				
645.121	OVERHEAD GUIDE SIGN NB 1 (STA. 1670+75)	Lump Sum	1				
645.14	CANOPY MOUNTED SIGN	Each	4				
645.151	CANTILEVER GUIDE SIGN NB 1 (STA. 1718+50)	Lump Sum	1				
645.152	CANTILEVER GUIDE SIGN NB 2 (STA. 1731+30)	Lump Sum	1				
645.153	CANTILEVER GUIDE SIGN SB 1 (STA 2728+75)	Lump Sum	1				
645.154	CANTILEVER GUIDE SIGN SB 2 (STA 2740+50)	Lump Sum	1				
645.155	CANTILEVER GUIDE SIGN SB 3 (STA. 2763+00)	Lump Sum	1				
645.156	CANTILEVER GUIDE SIGN SB 4 (STA. 1789+00)	Lump Sum	1				
645.161	BREAKAWAY DEVICE SINGLE POLE	Each	35				
645.162	BREAKAWAY DEVICE MULTI POLE	Each	35				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
			BROUGHT FORWARD:				
645.251	ROADSIDE GUIDE SIGNS, TYPE I	Square Foot	3,400				
645.2511	SHEET ALUMINUM OVERLAY, TYPE I	Square Foot	3				
645.271	REGULATORY, WARNING, CONFIRMATION AND ROUTE ASSEMBLY SIGN, TYPE I	Square Foot	1,300				
645.289	STEEL H-BEAM POLES	Pound	28,600				
645.501	REMOVE AND RESET MAINLINE SIGN NO. 1	Lump Sum	1				
645.502	REMOVE AND RESET MAINLINE SIGN NO. 2	Lump Sum	1				
645.503	REMOVE AND RESET MAINLINE SIGN NO. 3	Lump Sum	1				
645.504	REMOVE AND RESET MAINLINE SIGN NO. 4	Lump Sum	1				
645.505	REMOVE AND RESET MAINLINE SIGN NO. 5	Lump Sum	1				
645.506	REMOVE AND RESET MAINLINE SIGN NO. 6	Lump Sum	1				
645.507	REMOVE AND RESET MAINLINE SIGN NO. 7	Lump Sum	1				
645.508	REMOVE AND RESET MAINLINE SIGN NO. 8	Lump Sum	1				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
			BROUGHT FORWARD:				
645.509	REMOVE AND RESET MAINLINE SIGN NO. 9	Lump Sum	1				
645.510	REMOVE AND RESET MAINLINE SIGN NO. 10	Lump Sum	1				
645.511	REMOVE AND RESET MAINLINE SIGN NO. 11	Lump Sum	1				
648.00	INSTALL FLAGPOLE	Each	2				
650.1011	VARIABLE MESSAGE SIGN (VMS) SYSTEM: ROUTE 112 EB	Lump Sum	1				
650.1012	VARIABLE MESSAGE SIGN (VMS) SYSTEM: ROUTE 112 WB	Lump Sum	1				
650.2011	VMS GROUND MOUNTED CONTROL CABINET: ROUTE 112 EB	Each	1				
650.2012	VMS GROUND MOUNTED CONTROL CABINET: ROUTE 112 WB	Each	1				
650.9011	VMS SOLAR POWER SYSTEM: ROUTE 112 EB	Lump Sum	1				
650.9012	VMS SOLAR POWER SYSTEM: ROUTE 112 WB	Lump Sum	1				
652.30	FLASHING ARROW	Each	4				
652.312	TYPE III BARRICADES	Each	18				
			CARRIED FORWARD:				

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
			BROUGHT FORWARD:				
652.313	TEMPORARY PEDESTRIAN BARRICADE, ADA COMPLIANT	Linear Foot	2,150				
652.33	DRUM	Each	550				
652.34	CONE	Each	100				
652.35	CONSTRUCTION SIGNS	Square Foot	4,400				
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	Lump Sum	1				
652.38	FLAGGERS	Hour	3,250				
652.381	TRAFFIC OFFICERS	Hour	50				
652.41	PORTABLE-CHANGEABLE MESSAGE SIGN	Each	10				
652.45	TRUCK MOUNTED ATTENUATOR	Cal. Day	200				
652.452	AUTOMATED TRAILER MOUNTED SPEED LIMIT SIGN	Each	3				
652.46	TEMPORARY PORTABLE RUMBLE STRIPS	Unit	50				
652.47	SEQUENTIAL FLASHING WARNING LIGHTS	Each	30				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
			BROUGHT FORWARD:				
655.012	INSTALLATION OF CASH LANE CONTROLLER CABINET	Each	8				
655.02	DVAS MOUNT INSTALLATION	Each	8				
655.041	INSTALLATION OF SENSOR LOOPS - SOUTHBOUND	Lump Sum	1				
655.042	INSTALLATION OF SENSOR LOOPS - NORTHBOUND	Lump Sum	1				
655.05	INSTALLATION OF AVI ANTENNAS	Each	10				
655.07	TRAFFIC CONTROL PEDESTAL PREPARATION WORK	Each	6				
655.1000	#2/0 AWG WIRE	Linear Foot	4,820				
655.101	#6 AWG WIRE	Linear Foot	2,216				
655.102	#2 AWG WIRE	Linear Foot	12,400				
655.11	#10 AWG WIRE	Linear Foot	1,205				
655.12	#12 AWG WIRE	Linear Foot	24,900				
655.13	#14 AWG WIRE	Linear Foot	100				
			CARRIED FORWARD:				

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
			BROUGHT FORWARD:				
655.141	4PR/24 (CATEGORY 5E) CABLE	Linear Foot	6,830				
655.151	LMR 600 CABLE	Linear Foot	870				
655.16	6 STRAND MULTI-MODAL FIBER OPTIC CABLE	Linear Foot	4,700				
655.17	IVIS HOMERUN LOOP CABLE (IMSA 50-2 #14)	Linear Foot	100				
655.200	1-1/2" SCHEDULE 40 PVC CONDUIT	Linear Foot	60				
655.201	3" SCHEDULE 40 PVC CONDUIT	Linear Foot	100				
655.2021	1" SCHEDULE 80 PVC CONDUIT	Linear Foot	130				
655.203	1 1/2" SCHEDULE 80 PVC CONDUIT	Linear Foot	370				
655.2031	2" SCHEDULE 80 PVC CONDUIT	Linear Foot	180				
655.204	3" SCHEDULE 80 PVC CONDUIT	Linear Foot	14,420				
655.206	1" GALVANIZED RIGID METAL CONDUIT	Linear Foot	300				
655.207	1 1/2" GALVANIZED RIGID METAL CONDUIT	Linear Foot	100				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
			BROUGHT FORWARD:				
655.2071	2" GALVANIZED RIGID METAL CONDUIT	Linear Foot	310				
655.208	3" GALVANIZED RIGID METAL CONDUIT	Linear Foot	210				
655.209	1/2" LIQUID TIGHT METALLIC FLEXIBLE CONDUIT	Linear Foot	50				
655.2101	1 1/2" LIQUID TIGHT METALLIC FLEXIBLE CONDUIT	Linear Foot	100				
655.2102	2" LIQUID TIGHT METALLIC FLEXIBLE CONDUIT	Linear Foot	100				
655.221	TYPE A PULL BOX INSIDE	Each	10				
655.2212	TYPE B PULL BOX OUTDOOR	Each	8				
655.222	TYPE C PULL BOX INSIDE	Each	12				
655.223	TYPE D PULL BOX OUTDOOR	Each	8				
655.224	TYPE E PULL BOX INSIDE	Each	8				
655.225	TYPE F PULL BOX OUTDOOR	Each	16				
655.227	TYPE H PULL BOX OUTDOOR	Each	16				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
			BROUGHT FORWARD:				
655.42	36" X 30" X 20" NEMA 4X CABINET	Each	3				
655.421	EXIT TOLL POWER AND COMMUNICATION CABINET	Each	1				
655.501	1" PVC CONDUIT CONDULETS	Each	10				
655.502	1-1/2" PVC CONDUIT CONDULETS	Each	10				
655.503	2" PVC CONDUIT CONDULETS	Each	24				
655.504	3" PVC CONDUIT CONDULETS	Each	16				
655.512	1" RIGID METAL CONDUIT CONDULETS	Each	20				
655.513	1-1/2" RIGID METAL CONDUIT CONDULETS	Each	20				
655.514	2" RIGID METAL CONDUIT CONDULETS	Each	16				
655.515	3" RIGID METAL CONDUIT CONDULETS	Each	10				
655.63	4-INCH X 4-INCH PLASTIC NEMA 4X WIREWAY	Linear Foot	160				
655.64	6-INCH X 6-INCH PLASTIC NEMA 4X WIREWAY	Linear Foot	160				
			CARRIED FORWARD:				

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
			BROUGHT FORWARD:				
655.801	LIGHTNING SUPPRESSION SYSTEM - SOUTHBOUND ENTRY AND EXIT	Lump Sum	1				
655.802	LIGHTNING SUPPRESSION SYSTEM - NORTHBOUND ENTRY AND EXIT	Lump Sum	1				
655.81	KEY SWITCH	Each	14				
655.82	DUPLEX RECEPTACLE	Each	4				
655.84	QUADPLEX RECEPTACLE	Each	4				
655.92	LED CANOPY LIGHT FIXTURE	Each	12				
655.99	LED BUMPER BEACON	Each	6				
656.50	BALED HAY, IN-PLACE	Each	50				
656.60	TEMPORARY BERMS	Linear Foot	3,000				
656.62	TEMPORARY SLOPE DRAINS	Linear Foot	500				
656.632	30" TEMPORARY SILT FENCE	Linear Foot	21,660				
659.10	MOBILIZATION	Lump Sum	1				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
			BROUGHT FORWARD:				
670.011	SEWAGE DISPOSAL SYSTEM - SOUTHBOUND	Lump Sum	1				
673.01	STORMWATER SOIL FILTER BED	Cubic Yard	1,400				
674.10	PREFABRICATED CONCRETE MODULAR GRAVITY WALL - GOOSEFARE BROOK	Lump Sum	1				
800.01	TOLL ADMINISTRATION BUILDING - NORTHBOUND	Lump Sum	1				
800.011	UTILITY BUILDING - NORTHBOUND	Lump Sum	1				
800.02	TOLL ADMINISTRATION BUILDING - SOUTHBOUND	Lump Sum	1				
800.401	NEW TOLL BOOTH INSTALLATION - SOUTHBOUND	Lump Sum	1				
800.402	NEW TOLL BOOTH INSTALLATION - NORTHBOUND	Lump Sum	1				
800.901	GENERATOR PAD - SOUTHBOUND	Lump Sum	1				
800.902	GENERATOR PAD - NORTHBOUND	Lump Sum	1				
800.91	TRANSFORMER PAD	Lump Sum	1				
800.921	STAND-BY GENERATOR AND TRANSFER SWITCH - SOUTHBOUND	Lump Sum	1				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
			BROUGHT FORWARD:				
800.922	STAND-BY GENERATOR AND TRANSFER SWITCH - NORTHBOUND	Lump Sum	1				
801.16	6" PVC SANITARY SEWER (SDR-35)	Linear Foot	120				
801.17	8" PVC SANITARY SEWER (SDR-35)	Linear Foot	490				
803.01	TEST PITS	Each	11				
803.173	SEWER MANHOLE - 4 FOOT DIAMETER	Each	2				
810.01	MAIN INSTALLATION 6" VIA TRENCH ,DUCTILE IRON (HYDRANT LATERAL)	Linear Foot	50				
810.02	MAIN INSTALLATION 8" VIA TRENCH HDPE (INCLUDES HDPE SLEEVE)	Linear Foot	370				
810.03	MAIN INSTALLATION 12" VIA TRENCH, DUCTILE IRON	Linear Foot	600				
811.01	HYDRANT INSTALLATION	Each	3				
812.01	TEMPORARY BLOWOFF ASSEMBLY	Each	1				
813.01	CONNECT TO EXISTING MAIN	Each	6				
820.01	THRUST BLOCK	Each	12				
			CARRIED FORWARD:				

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
			BROUGHT FORWARD:				
832.41	TYPE A STEEL SITE BOLLARD	Each	30				
845.301	RELOCATE BUSINESS SIGN NO. 1	Each	1				
845.302	RELOCATE BUSINESS SIGN NO. 2	Each	1				
845.303	RELOCATE BUSINESS SIGN NO. 3	Each	1				
					TOTAL:		

Date:10/26/2022

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	TOTAL QUANTITY	UNIT
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	50	EA
606.3561	DELINEATOR POST - REMOVE AND RESET	293	EA
606.36	GUARDRAIL - REMOVE AND RESET	130	LF
606.47	SINGLE WOOD POST	6	EA
606.51	MULTIPLE MAILBOX SUPPORT	1	EA
606.64	GUARDRAIL THRIE BEAM - DOUBLE RAIL	430	LF
606.65	GUARDRAIL THRIE BEAM - SINGLE RAIL	88	LF
606.701	ASYMMETRICAL THRIE BEAM TRANSITION	3	EA
606.83	GUARDRAIL - REMOVE AND RESET EXISITNG CRASH END	1	EA
607.09	WOVEN WIRE FENCE - METAL POSTS	2100	LF
607.32	BRACING ASSEMBLY TYPE I - METAL POSTS	2	EA
607.33	BRACING ASSEMBLY TYPE II - METAL POSTS	25	EA
607.45	STOCKADE FENCE - 6' TALL	140	LF
608.08	REINFORCED CONCRETE SIDEWALK	210	SY
608.26	CURB RAMP DETECTABLE WARNING FIELD	240	SF
609.11	VERTICAL CURB TYPE I	390	LF
609.12	VERTICAL CURB TYPE I - CIRCULAR	130	LF
609.13	VERTICAL BRIDGE CURB TYPE I	520	LF
609.14	VERTICAL BRIDGE CURB TYPE I - CIRCULAR	180	LF
609.15	SLOPED CURB TYPE I	16	LF
609.21	CONCRETE SLIPFORM CURB	2690	LF
609.219	CONCRETE SLIPFORM CURB - TERMINAL END	256	LF
609.221	TERMINAL CURB TYPE I	95	LF
609.222	TERMINAL CURB TYPE I - CIRCULAR	12	LF
609.26	CURB TRANSITION SECTION B TYPE I	2	EA
609.34	CURB TYPE 5	1450	LF
609.36	CURB TYPE 5 - CIRCULAR	53	LF
610.08	PLAIN RIPRAP	816	CY
610.18	STONE DITCH PROTECTION	72	CY
610.181	TEMPORARY STONE CHECK DAM	510	CY
610.213	VOID-FILLED RIPRAP - TYPE A OR B	120	CY
613.319	EROSION CONTROL BLANKET	37,000	SY
615.07	LOAM	5720	CY
618.13	SEEDING METHOD NUMBER 1	77	UNIT
618.14	SEEDING METHOD NUMBER 2	779	UNIT
618.143	SPECIAL SEEDING	3	UNIT
618.15	TEMPORARY SEEDING	9	LB
619.1201	MULCH - PLAN QUANTITY	859	UNIT
619.1202	TEMPORARY MULCH	1	LS
619.1401	EROSION CONTROL MIX	100	CY
620.56	DRAINAGE GEOTEXTILE	10,900	SY
620.561	IMPERVIOUS LINER	5200	SY
620.58	EROSION CONTROL GEOTEXTILE	3645	SY
621.046	EVERGREEN TREE (8 - 10 FEET) GROUP A	13	EA
621.264	MULTI-STEM DECIDUOUS TREE GROUP A	2	EA
621.273	LARGE DECIDUOUS TREE (2" - 2.5" CALIPER) GROUP A	15	EA
621.389	EVERGREENS (15" - 18") GROUP A	6	EA
621.401	EVERGREENS (2 - 2.5 FEET) GROUP A	4	EA
621.513	HYBRID RHODODENDRON (2.5 - 3 FEET)	5	EA
621.552	DECIDUOUS SHRUBS (3 - 4 FEET) GROUP A	60	EA
625.106	WATER SERVICE SUPPLY LINE (<3 IN)	750	LF
625.107	WATER METER PIT	2	EA
626.121	QUAZITE JUNCTION BOX (36X24)	15	EA
626.122	QUAZITE JUNCTION BOX (18X11)	143	EA
626.123	QUAZITE JUNCTION BOX (48X36)	4	EA
626.13	4' X 6' SPLICE BOX WITH ACCESS DOOR	5	EA
626.22	NON-METALLIC CONDUIT	38,000 ~~37,700~~	LF
626.223	HORIZONTAL DIRECTIONAL DRILLED CONDUIT	1900	LF
626.31	18 INCH DIAMETER FOUNDATION	15	EA
626.32	24 INCH DIAMETER FOUNDATION	127	EA
626.33	30 INCH DIAMETER, LESS THAN 8 FEET OR LESS FOUNDATION	4	EA
626.332	30-INCH DIAMETER, GREATER THAN 8-FEET LONG, ALL 36 INCH AND 42 INCH DIAMETER FOUNDATIONS	113	CY
626.333	48-INCH DIAMETER, 54-INCH DIAMETER, 60-INCH DIAMETER FOUNDATIONS	25	CY
626.35	CONTROLLER CABINET FOUNDATION	4	EA
626.36	REMOVE OR MODIFY CONCRETE FOUNDATION	39	EA
626.38	GROUND MOUNTED CABINET FOUNDATION	1	EA
627.18	12" SOLID WHITE PAVEMENT MARKING LINE	7500	LF
627.712	WHITE OR YELLOW PAVEMENT MARKING LINE	120,650	LF
627.73	TEMPORARY 6 INCH PAVEMENT MARKING TAPE	67,200	LF

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	TOTAL QUANTITY	UNIT
627.731	TEMPORARY 6 INCH BLACK PAVEMENT MARKING TAPE	1400	LF
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	460	LF
627.75	WHITE OR YELLOW PAVEMENT & CURB MARKING	3100	SF
627.77	REMOVING EXISTING PAVEMENT MARKING	20,400	SF
627.78	TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	197,000	LF
627.812	TEMPORARY RAISED PAVEMENT MARKERS	7050	EA
627.941	PAVEMENT MARKING TAPE DOTTED WHITE LANE LINE, 6-INCH WIDTH	670	LF
627.942	PAVEMENT MARKING TAPE DOTTED WHITE LANE LINE, 12-INCH WIDTH	860	LF
627.944	PAVEMENT MARKING - RECESSED TAPE - WORDS, ARROWS, STOP BARS	360	SF
629.05	HAND LABOR, STRAIGHT TIME	200	HR
631.10	AIR COMPRESSOR (INCLUDING OPERATOR)	70	HR
631.11	AIR TOOL (INCLUDING OPERATOR)	70	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	200	HR
631.13	BULLDOZER (INCLUDING OPERATOR)	200	HR
631.14	GRADER (INCLUDING OPERATOR)	100	HR
631.171	TRUCK - SMALL (INCLUDING OPERATOR)	100	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	100	HR
631.18	CHAIN SAW RENTAL (INCLUDING OPERATOR)	30	HR
631.21	ROAD BROOM (INCLUDING OPERATORS AND HAULER)	10	HR
631.22	FRONT END LOADER (INCLUDING OPERATOR)	100	HR
631.32	CULVERT CLEANER (INCLUDING OPERATOR)	50	HR
631.36	FOREMAN	100	HR
631.51	BUCKET TRUCK	60	HR
631.52	SCISSOR LIFT	60	HR
631.53	ELECTRICIAN	100	HR
631.54	ELECTRICIAN'S APPRENTICE	100	HR
631.55	PLUMBER	60	HR
633.031	NATURAL GAS SERVICE - NORTHBOUND	1	LS
633.0311	NATURAL GAS SERVICE - HOTEL	1	LS
633.032	PROPANE SERVICE - SOUTHBOUND	1	LS
633.21	PROPANE TANK SUPPORTS (12' X 4')	2	EA
633.31	PROPANE TANK PAD	27	SY
634.052	REMOVE HIGH MAST LIGHT STANDARD	3	EA
634.1751	REPLACEMENT LED FIXTURE - SUPPLIED BY THE AUTHORITY	12	EA
634.2078	HIGH MAST LIGHT STANDARD - SUPPLIED BY THE AUTHORITY	1	EA
634.208	REMOVE AND RESET LIGHT STANDARD	8	EA
634.2312	CONVENTIONAL LIGHT STANDARD WITH LED FIXTURE - SUPPLIED BY THE AUTHORITY	80	EA
636.400	SOIL NAIL WALL DESIGN	1	LS
636.401	SOIL NAIL WALL CONSTRUCTION MONITORING - EXISTING BRIDGE	1	LS
636.411	SOIL NAIL WALL	3750	SF
639.26	INSTRUMENTATION (GEOTECHNICAL)	1	LS
643.712	LANE USE SIGNAL	6	EA
643.713	PREEMPTIVE SYSTEM AT EXIT 35 NB INTERSECTION	1	LS
643.714	PREEMPTIVE SYSTEM AT EXIT 35 SB INTERSECTION	1	LS
643.80	TRAFFIC SIGNAL AT ROUTE 112 AND EXIT 35 SB	1	LS
643.81	TRAFFIC SIGNAL AT LUND RD AND EXIT 35 NB	1	LS
643.82	VEHICLE DETECTION SYSTEM AT LUND RD AND EXIT 35 NB	1	LS
643.83	VEHICLE DETECTION SYSTEM AT ROUTE 112 AND EXIT 35 SB	1	LS
643.92	PEDESTAL POLE	4	EA
643.941	DUAL PURPOSE POLE W/15' MAST ARM	2	EA
643.942	DUAL PURPOSE POLE W/25' MAST ARM	1	EA
643.943	DUAL PURPOSE POLE W/30' MAST ARM	1	EA
643.944	DUAL PURPOSE POLE W/35' MAST ARM	2	EA
643.945	DUAL PURPOSE POLE W/40' MAST ARM	1	EA
643.946	DUAL PURPOSE POLE W/45' MAST ARM	1	EA
645.105	REMOVE AND STACK SIGN	1	EA
645.109	REMOVE AND RESET SIGN	23	EA
645.1092	CANOPY MOUNTED DYNAMIC MESSAGE SIGN	2	EA
645.1099	REMOVE AND DISPOSE SIGN	30	EA
645.121	OVERHEAD GUIDE SIGN NB 1 (STA. 1670+75)	1	LS
645.14	CANOPY MOUNTED SIGN	4	EA
645.151	CANTILEVER GUIDE SIGN NB 1 (STA. 1718+50)	1	LS
645.152	CANTILEVER GUIDE SIGN NB 2 (STA. 1731+30)	1	LS
645.153	CANTILEVER GUIDE SIGN SB 1 (STA 2728+75)	1	LS
645.154	CANTILEVER GUIDE SIGN SB 2 (STA 2740+50)	1	LS

No.	Revision	By	Date
1	QUANTITY REVISIONS	JRH	10/22

Scale:

Designed by:

Stantec

CONSULTANT PROJECT MANAGER: LAUREN MEEK, P.E.

	By	Date		By	Date
Designed	JRH	10\22	Checked	PLP	10\22
Drawn	THG	10\22	In Charge of	LEM	10\22

STANTEC CONSULTING SERVICES INC.
2211 CONGRESS STREET SUITE 380
PORTLAND, ME 04102
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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: RYAN BARNES, PE, CPESC

INTERCHANGE IMPROVEMENTS SACO (EXITS 35 & 36)

ESTIMATED QUANTITIES 2

SHEET NUMBER: QN-02

CONTRACT:2022.07

3 OF 735

Filename: ..._Estimate_A1.dgn

ITEM 609.21- CONCRETE SLIPFORM CURB (MOLD 1)	LENGTH
STA. 28+18.00, 28.00' LT. TO STA. 28+28.00, 12.00' LT.	21.72 LF
STA. 28+28.00, 12.00' LT. TO STA. 29+00.00, 12.00' LT.	74.15 LF
STA. 29+00, 12.00' LT. TO STA. 29+57.18, 17.40' LT.	59.57 LF
STA. 141+71.69, 20.11' RT. TO STA. 141+74.05, 20.00' RT.	2.35 LF
STA. 141+74.05, 20.00' RT. TO STA. 143+07.22, 20.00' RT.	132.55 LF
STA. 143+07.22, 20.00' RT. TO STA. 143+24.06, 22.29' RT.	17.00 LF
STA. 143+62.56, 27.52' RT. TO STA. 143+84.44, 30.50' RT.	22.09 LF
STA. 143+84.44, 30.50' RT. TO STA. 144+48.61, 30.50' RT.	64.36 LF
STA. 144+48.61, 30.50' RT. TO STA. 144+55.36, 31.16' RT.	6.80 LF
STA. 145+41.79, 30.51' RT. TO STA. 146+24.94, 30.50' RT.	83.15 LF
STA. 146+24.94, 30.50' RT. TO STA. 147+00.27, 45.23' RT.	77.24 LF
STA. 148+21.66, 27.17' RT. TO STA. 148+82.90, 20.00' RT.	62.34 LF
STA. 148+82.90, 20.00' RT. TO STA. 149+02.67, 20.00' RT.	19.77 LF
STA. 151+09.56, 20.00' RT. TO STA. 153+00.00, 20.00' RT.	190.44 LF
STA. 156+00.00, 20.29' RT. TO STA. 157+50.00, 20.00' RT.	147.26 LF
STA. 157+50.00, 20.00' RT. TO STA. 157+84.19, 25.70' RT.	34.45 LF
STA. 158+55.02, 29.89' RT. TO STA. 158+67.13, 27.00' RT.	12.27 LF
STA. 158+67.13, 27.00' RT. TO STA. 161+02.01, 27.00' RT.	230.57 LF
STA. 161+36.01, 27.00' RT. TO STA. 162+85.14, 27.00' RT.	149.13 LF
STA. 162+85.14, 27.00' RT. TO STA. 164+56.81, 33.31' RT.	176.69 LF
STA. 165+68.25, 39.41' RT. TO STA. 165+78.70, 34.70' RT.	11.79 LF
STA. 165+90.69, 30.63' RT. TO STA. 166+38.84, 23.24' RT.	49.97 LF
STA. 166+72.33, 21.72' RT. TO STA. 167+29.64, 21.50' RT.	58.40 LF
STA. 167+67.75, 21.55' RT. TO STA. 168+00.00, 21.93' RT.	32.25 LF

ITEM 609.21 - CONCRETE SLIPFORM CURB (MOLD 2)	LENGTH
STA. 28+27.00, 12.00' RT. TO STA. 28+86.77, 22.00' RT.	58.10 LF
STA. 28+86.77, 22.00' RT. TO STA. 29+45.23, 22.00' RT.	55.25 LF
STA. 29+45.23, 22.00' RT. TO STA. 29+59.31, 25.53' RT.	13.88 LF
STA. 44+42.06, 21.01' LT. TO STA. 44+65.50, 12.00' LT.	25.68 LF
STA. 44+65.50, 12.00' LT. TO STA. 45+45.04, 12.00' LT.	73.77 LF
STA. 141+00.00, 19.90' LT. TO STA. 141+35.94, 20.00' LT.	36.12 LF
STA. 141+71.88, 20.00' LT. TO STA. 142+33.60, 20.00' LT.	62.02 LF
STA. 142+64.53, 20.00' LT. TO STA. 142+83.50, 20.00' LT.	19.06 LF
STA. 143+26.88, 20.00' LT. TO STA. 144+83.73, 20.02' LT.	156.78 LF
STA. 148+83.08, 20.01' LT. TO STA. 148+93.32, 20.00' LT.	10.27 LF
STA. 160+74.04, 22.16' LT. TO STA. 161+73.85, 24.71' LT.	101.40 LF
STA. 162+91.97, 26.94' LT. TO STA. 163+51.40, 23.24' LT.	59.52 LF
STA. 163+81.79, 24.13' LT. TO STA. 71+02.26, 15.00' LT.	149.29 LF
STA. 219+25.09, 8.00' LT. TO STA. 219+30.99, 8.00' LT.	5.90 LF
STA. 219+30.99, 8.00' LT. TO STA. 219+63.53, 38.99' LT.	47.65 LF
STA. 219+58.28, 53.00' RT. TO STA. 219+64.36, 53.00' RT.	6.07 LF
STA. 219+64.36, 53.00' RT. TO STA. 219+69.45, 53.44' RT.	5.12 LF
STA. 630+96.88, 36.15' RT. TO STA. 631+18.63, 42.40' RT.	22.80 LF

ITEM 609.219 - CONCRETE SLIPFORM CURB- TERMINAL END (MOLD 1)	LENGTH
STA. 28+18.00, 28.00' LT. TO STA. 28+18.00, 36.00' LT.	8.00 LF
STA. 29+57.18, 17.40' LT. TO STA. 29+65.56, 22.61' LT.	10.00 LF
STA. 44+36.78, 27.00' LT. TO STA. 44+42.06, 21.00' LT.	8.00 LF
STA. 45+45.04, 12.00' LT. TO STA. 45+49.50, 12.69' LT.	4.00 LF
STA. 140+96.20, 20.46' RT. TO STA. 141+03.96, 22.46' RT.	8.00 LF
STA. 141+63.94, 22.10' RT. TO STA. 141+71.69, 20.11' RT.	8.00 LF
STA. 143+24.06, 22.29' RT. TO STA. 143+31.99, 23.37' RT.	8.00 LF
STA. 143+54.63, 26.45' RT. TO STA. 143+62.56, 27.52' RT.	8.00 LF
STA. 144+55.36, 31.15' RT. TO STA. 144+62.97, 33.58' RT.	8.00 LF
STA. 145+27.79, 33.79' RT. TO STA. 145+41.79, 30.51' RT.	14.50 LF
STA. 147+00.27, 45.23' RT. TO STA. 147+07.62, 48.39' RT.	8.00 LF
STA. 148+12.34, 37.44' RT. TO STA. 148+21.66, 27.17' RT.	14.00 LF
STA. 149+02.67, 20.00' RT. TO STA. 149+06.67, 20.00' RT.	4.00 LF
STA. 151+05.56, 20.00' RT. TO STA. 151+09.56, 20.00' RT.	4.00 LF
STA. 157+84.19, 25.70' RT. TO STA. 157+90.73, 30.51' RT.	8.00 LF
STA. 158+51.53, 32.00' RT. TO STA. 158+55.02, 29.89' RT.	4.00 LF
STA. 161+02.01, 27.00' RT. TO STA. 161+06.01, 27.00' RT.	4.00 LF
STA. 161+32.01, 27.00' RT. TO STA. 161+36.01, 27.00' RT.	4.00 LF
STA. 164+56.81, 33.31' RT. TO STA. 164+60.13, 35.37' RT.	4.00 LF
STA. 165+64.88, 41.53' RT. TO STA. 165+68.25, 39.41' RT.	4.00 LF
STA. 165+78.70, 34.70' RT. TO STA. 165+82.35, 33.35' RT.	4.00 LF
STA. 165+86.96, 31.78' RT. TO STA. 165+90.69, 30.62' RT.	4.00 LF
STA. 166+38.84, 23.24' RT. TO STA. 166+42.75, 23.00' RT.	4.00 LF
STA. 166+68.41, 21.84' RT. TO STA. 166+72.33, 21.72' RT.	4.00 LF
STA. 167+29.64, 21.50' RT. TO STA. 167+33.64, 21.50' RT.	4.00 LF
STA. 167+63.75, 21.50' RT. TO STA. 167+67.75, 21.55' RT.	4.00 LF

ITEM 609.26 - CURB TRANSITION SECTION B TYPE 1
STA. 626+77.50, 0.00' RT. TO STA. 626+85.50, 0.00' RT.
STA. 626+77.50, 8.00' RT. TO STA. 626+85.50, 8.00' RT.

ITEM 609.219 - CONCRETE SLIPFORM CURB- TERMINAL END (MOLD 2)	LENGTH
STA. 28+23.00, 12.00' RT. TO STA. 28+27.00, 12.00' RT.	4.00 LF
STA. 29+59.31, 25.52' RT. TO STA. 29+62.64, 27.78' RT.	4.00 LF
STA. 71+02.26, 15.00' LT. TO STA. 71+06.52, 15.00' LT.	4.00 LF
STA. 141+35.92, 20.00' LT. TO STA. 141+39.92, 20.00' LT.	4.00 LF
STA. 141+67.90, 20.00' LT. TO STA. 141+71.88, 20.00' LT.	4.00 LF
STA. 142+33.60, 20.00' LT. TO STA. 142+37.58, 20.00' LT.	4.00 LF
STA. 142+60.55, 20.00' LT. TO STA. 142+64.55, 20.00' LT.	4.00 LF
STA. 142+83.50, 20.00' LT. TO STA. 142+87.50, 20.00' LT.	4.00 LF
STA. 143+22.88, 20.00' LT. TO STA. 143+26.88, 20.00' LT.	4.00 LF
STA. 144+83.73, 20.02' LT. TO STA. 144+87.73, 20.00' LT.	4.00 LF
STA. 148+79.08, 20.01' LT. TO STA. 148+83.05, 20.01' LT.	4.00 LF
STA. 148+93.32, 20.00' LT. TO STA. 148+97.32, 20.00' LT.	4.00 LF
STA. 160+70.05, 22.36' LT. TO STA. 160+74.04, 22.16' LT.	4.00 LF
STA. 163+51.40, 23.24' LT. TO STA. 163+55.49, 23.37' LT.	4.00 LF
STA. 163+77.70, 24.02' LT. TO STA. 163+81.79, 24.13' LT.	4.00 LF
STA. 219+21.09, 8.00' LT. TO STA. 219+25.09, 8.00' LT.	4.00 LF
STA. 219+54.28, 53.00' RT. TO STA. 219+58.28, 53.00' RT.	4.00 LF
STA. 219+63.53, 38.99' LT. TO STA. 219+65.33, 42.56' LT.	4.00 LF
STA. 219+69.45, 53.44' RT. TO STA. 219+73.33, 54.37' RT.	4.00 LF
STA. 630+92.88, 36.00' RT. TO STA. 630+96.88, 36.14' RT.	4.00 LF
STA. 631+18.63, 42.40' RT. TO STA. 631+22.10, 44.40' RT.	4.00 LF

ITEM 609.221 - TERMINAL CURB TYPE 1	LENGTH
STA. 165+79.89, 22.13' LT. TO STA. 165+88.06, 22.06' LT.	8.00 LF
STA. 166+40.40, 27.71' LT. TO STA. 166+48.60, 27.67' LT.	8.00 LF
STA. 166+40.41, 21.71' LT. TO STA. 166+48.57, 21.67' LT.	8.00 LF
STA. 167+06.27, 21.51' LT. TO STA. 167+14.43, 21.50' LT.	8.00 LF
STA. 167+45.07, 21.50' LT. TO STA. 167+53.07, 21.50' LT.	8.00 LF
STA. 215+19.00, 8.00' LT. TO STA. 215+23.00, 8.00' LT.	4.00 LF
STA. 215+34.91, 8.00' LT. TO STA. 215+38.91, 8.00' LT.	4.00 LF
STA. 215+43.91, 8.00' LT. TO STA. 215+47.91, 8.00' LT.	4.00 LF
STA. 216+05.50, 8.00' LT. TO STA. 216+09.50, 8.00' LT.	4.00 LF
STA. 625+03.80, 64.00' LT. TO STA. 625+07.91, 61.37' LT.	4.87 LF
STA. 625+22.99, 59.00' LT. TO STA. 625+26.99, 59.00' LT.	4.00 LF
STA. 625+32.00, 59.00' LT. TO STA. 625+36.00, 59.00' LT.	4.00 LF
STA. 625+92.50, 74.00' LT. TO STA. 625+92.50, 86.00' LT.	12.00 LF
STA. 627+73.50, 59.00' LT. TO STA. 627+77.50, 59.00' LT.	4.00 LF
STA. 1215+74.08, 2.00' LT. TO STA. 1215+74.08, 8.00' RT.	10.00 LF

ITEM 609.222 - TERMINAL CURB TYPE 1 CIRCULAR	RADIUS	LENGTH
STA. 165+70.85, 23.52' LT. TO STA. 165+74.81, 22.58' LT.	30.00 LF	4.00 LF
STA. 625+85.15, 61.41' LT. TO STA. 625+88.18, 64.00' LT.	15.00 LF	4.00 LF
STA. 631+01.78, 48.44' LT. TO STA. 631+04.46, 51.40' LT.	30.00 LF	4.00 LF

ITEM 609.34 - CURB TYPE 5	LENGTH
STA. 146+54.84, 3.50' RT. TO STA. 147+37.48, 3.50' RT.	82.65 LF
STA. 146+54.55, 0.48' LT. TO STA. 146+71.54, 2.97' LT.	17.17 LF
STA. 146+71.54, 2.97' LT. TO STA. 146+78.79, 3.50' LT.	7.28 LF
STA. 146+78.79, 3.50' LT. TO STA. 147+37.48, 3.50' LT.	58.69 LF
STA. 147+08.76, 23.85' RT. TO STA. 147+13.78, 27.59' RT.	5.44 LF
STA. 147+31.75, 34.72' RT. TO STA. 147+42.19, 40.79' RT.	12.07 LF
STA. 147+51.61, 33.20' RT. TO STA. 147+51.61, 22.00' RT.	11.20 LF
STA. 147+49.61, 20.00' RT. TO STA. 147+09.51, 20.00' RT.	40.09 LF
STA. 147+18.91, 20.00' LT. TO STA. 147+40.61, 20.00' LT.	21.70 LF
~~STA. 147+42.61, 22.00' LT. TO STA. 147+42.61, 59.36' LT.~~	~~37.36 LF~~
STA. 147+38.79, 60.20' LT. TO STA. 147+17.28, 23.16' LT.	42.89 LF
STA. 625+85.50 ~~STA. 625+77.50,~~ 8.00' RT. TO STA. 627+00.00, 8.00' RT.	~~122.50 LF~~ 114.50 LF
STA. 627+00.00, 8.00' RT. TO STA. 627+99.75, 6.00' RT.	99.77 LF
STA. 627+99.75, 6.00' RT. TO STA. 631+06.75, 6.00' RT.	307.00 LF
STA. 625+85.50 ~~STA. 625+77.50,~~ 0.00 RT. TO STA. 631+06.75, 0.00' RT.	~~529.25 LF~~ 521.25 LF

ITEM 609.34 - CURB TYPE 5 (TIP DOWNS)	LENGTH
STA. 147+13.78, 25.96' RT. TO STA. 147+17.43, 27.59' RT.	4.00 LF
STA. 147+22.87, 30.13' RT. TO STA. 147+31.75, 34.72' RT.	10.00 LF
STA. 147+42.19, 40.79' RT. TO STA. 147+48.51, 44.84' RT.	7.51 LF
STA. 147+51.61, 37.20' RT. TO STA. 147+51.61, 33.20' RT.	4.00 LF

ITEM 609.35 - CURB TYPE 5 - CIRCULAR	RADIUS	LENGTH
STA. 146+54.55, 0.48' RT. TO STA. 146+54.84, 3.50' RT.	2.00 LF	6.00 LF
STA. 147+09.51, 20.00' RT. TO STA. 147+08.76, 23.85' RT.	2.00 LF	5.51 LF
STA. 147+17.28, 23.16' LT. TO STA. 147+18.91, 20.00' LT.	2.00 LF	4.38 LF
STA. 147+37.48, 3.50' RT. TO STA. 147+37.48, 3.50' LT.	3.50 LF	11.00 LF
STA. 147+40.61, 20.00' LT. TO STA. 147+42.61, 22.00' LT.	2.00 LF	3.14 LF
STA. 147+42.61, 59.36' LT. TO STA. 147+38.79, 60.20' LT.	2.00 LF	5.42 LF
STA. 147+51.61, 22.00' RT. TO STA. 147+49.61, 20.00' RT.	2.00 LF	3.14 LF
STA. 631+06.75, 6.00' RT. TO STA. 631+06.75, 0.00' RT.	3.00 LF	9.42 LF

ITEM 609.35 - CURB TYPE 5 - CIRCULAR (TIP DOWNS)	RADIUS	LENGTH
STA. 147+48.50, 44.86' RT. TO STA. 147+51.61, 43.19' RT.	2.00 LF	4.32 LF

ITEM 610.08 - PLAIN RIP RAP		
STATION	TO	STATION
25+36 LT		25+44 LT
25+36 RT		25+44 RT
27+55 RT		27+66 RT
45+72 LT		46+11 LT
45+81 RT		45+93 RT
46+28 RT		46+52 RT
146+22 RT		146+28 RT
148+12 RT		149+09 RT
148+71 LT		148+78 LT
151+28 LT		151+35 LT
156+41 LT		156+58 LT
202+73 LT		202+82 LT
210+44 LT		210+52 LT
210+48 RT		210+56 RT
214+44 LT		215+20 LT
219+12 LT		219+21 LT
324+96 RT		325+07 RT
325+07 LT		325+18 LT
409+72 RT		409+78 RT
412+45 RT		412+55 RT
412+46 LT		412+54 LT
507+93 RT		508+04 RT
507+94 LT		508+04 LT
619+41 LT		619+49 LT
625+12 LT		625+93 LT
627+74 RT		627+82 RT
1219+11 LT		1219+29 LT
1693+72 LT		1693+77 LT
1697+70 LT		1697+76 LT
1699+37 LT		1699+52 LT
1699+70 LT		1699+77 LT
1712+02 LT		1712+13 LT
1777+97 LT		1778+11 LT
1782+88 LT		1783+65 LT
1784+47 LT		1784+53 LT
2731+72 LT		2731+83 LT
2737+46 LT		2737+53 LT
2737+82 LT		2737+99 LT
2738+53 LT		2738+64 LT
2738+55 LT		2739+86 LT
2741+16 LT		2741+24 LT
2742+88 LT		2743+21 LT
2745+95 LT		2746+50 LT
2749+86 LT		2750+22 LT
2751+18 LT		2751+82 LT
2753+08 LT		2754+84 LT
2764+89 LT		2764+96 LT
2770+40 LT		2770+75 LT

ITEM 610.181 - TEMPORARY STONE CHECK DAM	
STATION	OFFSET
201+50	36' LT
202+00	35' LT
202+50	38' LT
203+00	32' LT
203+50	31' LT
204+00	31' LT
204+50	30' LT
205+00	30' LT
205+50	30' LT
206+00	29' LT
206+50	29' LT
207+00	28' LT
207+50	28' LT
208+00	28' LT
208+50	27' LT
209+00	27' LT
209+50	26' LT
320+50	34' RT
321+00	49' RT
321+50	47' RT
322+00	49' RT
322+50	47' RT
321+50	57' LT
322+00	55' LT
322+50	51' LT
323+00	47' LT
323+50	40' LT
324+00	33' LT
324+50	26' LT
325+00	28' LT
325+50	22' LT
326+50	19' LT
327+00	19' LT
327+50	18' LT

ITEM 610.181 - TEMPORARY STONE CHECK DAM (CONTINUED)	
STATION	OFFSET
411+00	28' LT
411+50	44' LT
412+00	36' LT
412+75	56' LT
416+00	47' LT
414+00	24' RT
414+50	24' RT
415+00	24' RT
415+50	25' RT
416+00	30' RT
416+50	34' RT
417+00	34' RT
507+00	23' RT
507+50	23' RT
507+00	36' LT
507+50	36' LT
508+50	33' LT
509+00	21' RT
509+50	22' RT
510+00	24' RT
614+50	37' LT
615+00	39' LT
615+50	45' LT
616+00	51' LT
616+50	55' LT
617+00	58' LT
617+50	61' LT
618+00	63' LT
618+50	64' LT
619+00	66' LT
619+50	68' LT
620+00	70' LT
620+50	72' LT
621+00	73' LT
621+50	74' LT
622+00	75' LT
622+50	75' LT
623+00	75' LT
623+50	76' LT
624+00	74' LT
614+50	22' RT
615+00	22' RT
615+50	22' RT
616+00	22' RT
616+50	22' RT
616+98	21' RT
617+52	18' RT
619+00	50' RT
619+50	47' RT
620+00	51' RT
620+50	49' RT
624+50	54' RT
627+50	66' RT
628+00	60' RT
628+50	57' RT
629+00	54' RT
629+50	51' RT
630+00	49' RT
630+50	46' RT
733+50	44' RT
734+00	23' RT
734+50	21' RT
735+00	21' RT
735+50	24' RT
736+00	24' RT
954+50	30' LT
955+00	25' LT
955+50	24' LT
956+00	24' LT
956+50	25' LT
957+00	25' LT
957+48	25' LT
1687+50	90' RT
1688+00	91' RT
1688+50	91' RT
1690+50	90' RT
1691+00	91' RT
1691+50	91' RT
1692+00	94' RT
1692+50	89' RT
1705+53	76' LT
1706+02	80' LT
1706+53	86' LT
1707+03	87' LT
1707+53	93' LT

Date:10/26/2022

Filename: ..._Quantity_Notes.dgn

Contract 2022.07
Addendum No. 1
Page 43 of 46

No.	Revision	By	Date
1	CURBING REVISIONS	JRH	10/22

Scale:

Designed by: Stantec

CONSULTANT PROJECT MANAGER: LAUREN MEEK, P.E.

	By	Date		By	Date
Designed	JRH	10\22	Checked	PLP	10\22
Drawn	THG	10\22	In Charge of	LEM	10\22

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

INTERCHANGE IMPROVEMENTS
SACO (EXITS 35 & 36)

CONSTRUCTION NOTES 2

SHEET NUMBER: QN-06

CONTRACT:2022.07

Date:10/25/2022

LEGEND

◻	QUAZITE JUNCTION BOX TOLLING COMMUNICATIONS - (36"X24") SIGNAL COMMUNICATIONS - (18"X11") ELECTRICAL FROM NB AND SB PLAZAS (18"X11")
●→	PROPOSED LIGHT STANDARD ON 24" ϕ CONCRETE FOUNDATION
—EPI—	PRIMARY ELECTRICAL SERVICE (5" SCH. 80 CONDUIT)
—E—	BRANCH ELECTRICAL - LIGHTING, TOLLING, AND SIGNAL (3" SCH. 80 CONDUIT)
—OTH—	COMMUNICATIONS SERVICE (4" SCH. 80 CONDUIT)
—C—	COMMUNICATIONS - TOLLING AND SIGNAL (3" SCH. 80 CONDUIT)

POLE #	CKT #
A1	1
STATION	OFFSET
XX+XX	XX' LT.
ARM LENGTH	DISTRIBUTION
8'-0"	III
POLE HEIGHT	LUMINAIRE WATTAGE
XX'-X"	177 W
BREAKAWAY COUPLING (BC) REQUIRED Y/N	
BC REQ'D Y	

NOTES:
1. SEE ONE-LINE DIAGRAM FOR FEEDER CONDUITS BETWEEN UTILITY AND ADMIN BUILDINGS.
2. SEE BUILDING FACILITY DRAWINGS FOR COMMUNICATIONS SYSTEMS BETWEEN UTILITY AND ADMIN BUILDINGS.
3. SEE GENERAL PLANS FOR POWER AND COMMUNICATION SERVICE TO RAMADA INN.
4. SEE SIGNAL PLANS FOR CONDUIT LAYOUT AT INTERSECTION.

(1) 3" SIGNAL COMM CONDUIT
(8) 3" TOLLING COMM CONDUIT
(2) 3" LIGHTING CONDUIT
(1) 3" SIGNAL POWER CONDUIT
(8) 3" TOLLING POWER CONDUIT
(1) 4"C GEN SERVICE
(3) 1"C CONTROLS
(SEE ONE-LINE DIAGRAM)
(1) 3"C 4#6, 1#6G - LN-CKT #1,3 & #5,7
(1) 3"C 4#6, 1#6G - LN-CKT #2,4 & #6,8
(2) 48"x36" QUAZITE JUNCTION BOXES
(3) 1" COMM CONDUITS FOR SIGNAL AND TOLLING BETWEEN NB UTILITY BUILDING AND SB ADMIN BUILDING
(1) 1" FLAG POWER CONDUIT
(1) 3" SIGNAL COMM CONDUIT - NB ADMIN BUILDING TO SIGNAL
(8) 3" TOLLING POWER CONDUIT
(8) 3" TOLLING COMM CONDUIT
EXIT 35 NB ENTRANCE
EXIT 35 NB EXIT
EXIT 35 NB OFF RAMP
EXIT 35 NB PLAZA
NORTH STREET
LUND ROAD
625+00
626+00
627+00
628+00
629+00
630+00
631+00
163+00
164+00
165+00
166+00
170+00
171+00
70+00

143	LN-2.4
626+64.6	66.0' LT.
8'-0"	(2) III
37'-0"	488W
BC REQ'D Y	

142	LN-6.8
627+69.4	66.0' LT.
8'-0"	III
37'-0"	233W
BC REQ'D Y	

101	LN-6.8
631+01.1	58.1' LT.
12'-0"	III
28'-0"	124W

102	LN-2.4
164+47.7	37.2' LT.
12'-0"	III
28'-0"	124W

103	LN-6.8
165+65	31.9' LT.
12'-0"	III
28'-0"	124W

104	LN-2.4
631+20.1	49.0' RT.
12'-0"	III
28'-0"	124W

124	LN-1,3
624+87.2	44.2' RT.
8'-0"	III
37'-0"	233W
BC REQ'D Y	

123	LN-5,7
626+37	39.0' RT.
8'-0"	III
37'-0"	233W
BC REQ'D Y	

122	LN-1,3
627+87	42.7' RT.
8'-0"	III
37'-0"	233W
BC REQ'D Y	

121	LN-5,7
629+37	43.0' RT.
8'-0"	III
37'-0"	233W
BC REQ'D Y	

141	LN-2.4
629+19.4	50.6' LT.
8'-0"	III
37'-0"	233W
BC REQ'D Y	

(1) 3"C FOR LIGHTING WITH 4#6, 1#6G LN-CKT #1,3 & #5,7
(2) 3"C SPARES WITH PULL CORD
(1) 3"C FOR LIGHTING WITH 4#6, 1#6G LN-CKT #1, #3, & #5
(1) 3"C FOR LIGHTING WITH 4#6, 1#6G LN-CKT #1,3 & #5,7
(1) 3"C FOR LIGHTING WITH 4#6, 1#6G LN-CKT #2,4 & #6,8
(1) 3"C FOR LIGHTING WITH 2#6, 1#6G LN-CKT #5,7
120V, 20A CIRCUIT FROM ADMIN BLDG. FOR TRAFFIC SIGNAL 3"C, 2#2, 1#2G
FIBER OPTIC ETHERNET SWITCH LOCATED IN EXIT 35 NB SIGNALS CONTROLLER CABINET SPLICED TO MULTI-MODE FIBER OPTIC CABLE TO EXIT 35 NB ADMINISTRATION BUILDING
(1) 3" SIGNAL COMM CONDUIT - NB ADMIN BUILDING TO SIGNAL
LIGHTING CONDUIT (VIA LIGHTING JUNCTION BOXES)
(1) 3"C FOR LIGHTING WITH 4#6, 1#6G LN-CKT #2,4 & #6,8
(1) 3"C FOR LIGHTING WITH 2#6, 1#6G LN-CKT #2,4
(1) 3"C FOR LIGHTING WITH 2#6, 1#6G LN-CKT #6,8
(1) 3"C FOR LIGHTING WITH 4#6, 1#6G LN-CKT #2,4 & #6,8
VARIABLE MESSAGE SIGN FOR ROUTE 112 NB TO COMMUNICATE WITH MTA VIA ETHERNET RADIO AND ANTENNA. SOLAR (SEE ITS DEVICE PLAN)
COLOCATE COBRA HEAD AT UTILITY POLE NEAREST SIDEWALK CROSSING

Scale: 25 0 25 50
Scale of Feet

No.	Revision	By	Date
1	NOTE REMOVAL	JRH	10/22

Designed by: Stantec

CONSULTANT PROJECT MANAGER: LAUREN MEEK, P.E.

	By	Date		By	Date
Designed	MRC	10\22	Checked	PJV	10\22
Drawn	CHL	10\22	In Charge of	LEM	10\22

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: RYAN BARNES, PE, CPESC

INTERCHANGE IMPROVEMENTS SACO (EXITS 35 & 36)

POWER AND COMMUNICATION PLAN 6

SHEET NUMBER: LP-07
CONTRACT:2022.07
252 OF 735

Filename: ..._Lighting_06_A1.dgn

Date:10/25/2022

NOTE:

1. SERVICE POLE WILL BE INSTALLED BY CMP. CONTRACTOR SHALL PROVIDE TWO 5" CONDUIT RISERS WITH BRACKETS TO BE INSTALLED BY CMP. CONDUIT SHALL MEET REQUIREMENTS OF THE UTILITY COMPANIES AND BE PAID FOR AS NON-METALLIC CONDUIT. BRACKETS SHALL BE INCIDENTAL TO CONDUIT.

(1) 4"C ELECTRICAL SECONDARY SERVICE (SEE ONE-LINE DIAGRAM)

6" PVC SANITARY SEWER (SDR-35)

COMMUNICATIONS SERVICE (2) 4"C SCH 80 CONDUITS

4"X6" PVC REDUCER (SDR-35)

BUILDING FOUNDATION DRAIN OUTLET (INC. TO BUILDING ITEMS)

5' X 10' X 12" GENERATOR PAD (SEE SITE DETAILS)

SIGNAL COMM CONDUIT (SEE SIGNAL PLANS)

7'X7' TRANSFORMER PAD

2" WATER SERVICE LINE

LIGHT FIXTURE (TYP.) SEE LIGHTING PLANS

COMMUNICATIONS SERVICE (2) - 4" SCH 80 CONDUITS

PRIMARY ELECTRICAL SERVICE (2) - 5" SCH 80 CONDUITS

NEW SERVICE POLE FOR DROP (SEE NOTE 1)

4'X6' SPLICE BOX WITH ACCESS DOOR

QUAZITE JUNCTION BOX (TYP.)

UTIL. BLDG.

ADMIN. BUILDING

6" UD TYPE "B"

12" UD TYPE "C"

2" GAS SERVICE

CATCH BASIN (TYP.)

PLAZA POWER AND COMMUNICATION CONDUIT

(2) 2" SCHEDULE 80 PVC WITH 1/2" STAINLESS STEEL GAS LINE

SEWER MH W/ EXTERNAL DROP CONNECT INTO EXISTING FORCEMAIN

POWER AND COMMUNICATION CONDUIT

8" PVC SANITARY SEWER (SDR-35)

MODIFY EXISTING SMH (SEE DETAILS)

624+00 625+00 626+00 627+00 628+00 629+00 630+00 631+00

162+00 163+00 164+00 165+00 166+00 70+00

Scale:
25 0 25 50
Scale of Feet

No.	Revision	By	Date
1	NOTE ADDITION	JRH	10/22

Designed by: Stantec

CONSULTANT PROJECT MANAGER: LAUREN MEEK, P.E.

	By	Date		By	Date
Designed	PLP	10\22	Checked	JRH	10\22
Drawn	TJW	10\22	In Charge of	LEM	10\22

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: RYAN BARNES, PE, CPESC

INTERCHANGE IMPROVEMENTS SACO (EXITS 35& 36) ADMIN BUILDING NB SITE UTILITY PLAN

SHEET NUMBER: SP-02

CONTRACT:2022.07

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Contract 2022.07
Addendum No. 1
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CONCRETE PADS	
LOCATION	SIZE
GENERATOR	5'X13'X12"
TRANSFORMER	7'X7'X12"
PROPANE TANKS	4'X12'X6"
CONDENSING UNIT	3'-6"X3'-6"X6"

NOTE:

1. SERVICE POLE WILL BE INSTALLED BY CMP. CONTRACTOR SHALL PROVIDE TWO 5" CONDUIT RISERS WITH BRACKETS TO BE INSTALLED BY CMP. CONDUIT SHALL MEET REQUIREMENTS OF THE UTILITY COMPANIES AND BE PAID FOR AS NON-METALLIC CONDUIT. BRACKETS SHALL BE INCIDENTAL TO CONDUIT.

NEW SERVICE POLE FOR DROP (SEE NOTE 1)

4'X6' SPLICE BOX WITH ACCESS DOOR

TAP EXISTING WATER MAIN TO INSTALL NEW SERVICE

4'X6' SPLICE BOX WITH ACCESS DOOR

WATER METER PIT

2" WATER SERVICE LINE

38" WILLOW TO REMAIN

PRIMARY ELECTRICAL SERVICE (2) - 5" SCH 80 CONDUITS

SB PLAZA ENTRANCE ROAD B

2" WATER SERVICE LINE

TRANSFORMER PAD

GENERATOR PAD

TOLL & SIGNAL POWER (SEE POWER & COMM PLANS)

SEPTIC FIELD

BUILDING SEWER 4" SDR 35 PVC

3 OUTLET "D" BOX

ADMIN. BUILDING 33'-8"X25'-0" (FFE = 120.60)

48"x36" QUAZITE JUNCTION BOXES

(2) 1,000 GALLON PROPANE TANKS ON PRECAST PADS (SEE SITE DETAILS)

TOLLING COMM CONDUIT (SEE POWER & COMM PLAN)

SIGNAL COMM CONDUIT (SEE SIGNAL PLANS)

6" UD TYPE "B"

(2) 2" SCHEDULE 80 PVC WITH 1/2" STAINLESS STEEL GAS LINE

LIGHTING CONDUIT (SEE POWER & COMM PLANS)

SEPTIC TANK (SEE SITE DETAILS)

SB PLAZA ACCESS ROAD B

1214+00 1215+00 1216+00 1217+00 48+00 1218+00 1219+00 214+00 215+00 216+00 217+00 218+00 219+00 220+00 45+00 44+00 145+00 146+00 147+00 148+00 47+00

Scale: 25 0 25 50 Scale of Feet

No.	Revision	By	Date
1	NOTE ADDITION	JRH	10/22

Designed by: Stantec

CONSULTANT PROJECT MANAGER: LAUREN MEEK, P.E.

	By	Date		By	Date
Designed	PLP	10\22	Checked	JRH	10\22
Drawn	TJW	10\22	In Charge of	LEM	10\22

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: RYAN BARNES, PE, CPESC

INTERCHANGE IMPROVEMENTS SACO (EXITS 35& 36) ADMIN BUILDING SB SITE UTILITY PLAN

SHEET NUMBER: SP-05

CONTRACT:2022.07

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Date:10/25/2022

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