

MAINE TURNPIKE AUTHORITY

ADDENDUM NO. 2

CONTRACT 2018.18

KENNEBUNK TRAVEL PLAZAS
FUEL SYSTEM REPLACEMENT
MILE 25.5 SB AND NB

The bid opening date has been changed to July 31, 2018 at 11am.

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

GENERAL

The following item has been added to the Maine Turnpike Authority (MTA) website for information:

- Pre-construction Limited Phase II Investigation – Soil and Groundwater Test Results

PROPOSAL

Proposal Sheet P-2 shall be revised by the following (also changes page numbers P-3-P-9):

- Changing Item 203.2334 Unit to Gallon
- Changing Item 203.2334 Quantity to 700,000
- Adding Item 203.2335 Disposal/Treatment of Contaminated Groundwater (Kennebunk Sewer District)

SPECIFICATIONS

Special Provision Section 409 Bituminous Tack Coat shall be revised with an addition to 409.02 Bituminous Materials; allowing the use of Emulsified Asphalt RS-1; see below and attached revised page SP-31.

Special Provision Section 203 Excavation and Embankment (Contaminated Soil and Groundwater Management) shall be revised to reflect the same changes as noted for Proposal Sheet P-2 (Items 203.2334 and 203.2335). See updates on:

- SP-19 – Section 203.08 first paragraph,
- SP-20 – Section 203.11 third paragraph,
- SP-20 – Section 203.012 third paragraph,
- SP-20 – Pay Items

PLANS

Plan sheet 2 of 43, Estimated Quantities shall be revised:

- To reflect the same changes as noted for Proposal Sheet P-2 (Items 203.2334 and 203.2335)
- To update quantity of Item 203.2333 Disposal/Treatment of Special Excavation.

QUESTIONS

- 1) Who is responsible for the Local Building Permit? Other permits?

Response:

- MTA is responsible for the permit and permit fees associated with the Town of Kennebunk and the State Fire Marshal office.
- The MTA is responsible for the environmental permit: Minor Revision to the Site Location of Development.
- The Contractor shall be responsible for the State Electrical Permit.
- The Contractor shall be responsible for the MaineDEP Notice of Intent (NOI) to Remove an Underground Oil Storage Tank Facility; including providing the NOI to the Resident Engineer at least five working days prior to the required submittal date for review and approval.
- The Contractor shall be responsible for the development of the MaineDEP Registration of Underground Oil Storage Facilities form; including providing the draft Registration to the Resident Engineer for review and approval.
- The Contractor shall be responsible for all other permits that are normal and customary for underground and above ground fuel storage tank removal and installation.

- 2) Can the groundwater flow rate (dewatering rate) be provided?

Response: A groundwater flow rate range of 10 to 30 gallons/minute may be assumed.

- 3) Are the results of soil and groundwater testing for contamination available?

Response: Yes; the results are contained in a Limited Phase II Investigation that is posted to the MTA website.

- 4) Who will be responsible for determining how excavated soil is to be handled? Who completes the reports?

Response: The MTA will have an inspector on-site sampling the excavated soils and providing a recommendation on how soil is to be handled and developing the appropriate documentation for MaineDEP. See Special Provision 203 Excavation and Embankment (Contaminated Soil and Groundwater Management) for more information.

- 5) How much material is to be disposed of off-site?

Response: Item 203.2333 is quantified as 6,000 tons. This is being revised to 3,000 tons (1,500 tons per side).

- 6) Can the Unit for Item 203.2334, Disposal/Treatment of Contaminated Groundwater be changed to Gallons instead of Lump Sum?
Response: The Unit of measurement for Item 203.2334 is updated to Gallons. See revised P-Sheets.
- 7) Will the MTA allow the use of RS-1 Bituminous Tack Coat?
Response: Yes; see attached revised Special Provision 409, Page SP-31 Revised.
- 8) Is pavement identified under Temporary Access Ramp paid for directly or incidental?
Response: Pavement for Temporary Access Ramp is measured and paid for under 403.208 and 403.207.
- 9) Is there a minimum pavement temperature that can be used to avoid the need to install a coating of hot rubberized asphalt to surface joints?
Response: All surface joints shall be treated as noted in the plans.
- 10) Will bond-outs be acceptable in the dispenser slab to allow for future installation of the structural steel?
Response: Yes.
- 11) What type of dispensers will CN Brown be providing?
Response: The exact model(s) are not known. The contractor is required to coordinate with CN Brown through the Resident Engineer for this information.
- 12) Who is responsible for fuel system start-ups?
Response: The contractor is responsible for coordination with the Resident Engineer and CN Brown to schedule all shut-downs and start-ups. The contractor is responsible for the start-ups.
- 13) Will the credit card reader come installed on the temporary above ground storage tanks?
Response: No; the contractor shall coordinate with CN Brown to move existing equipment to the temporary dispensers. The temporary dispensers will accept CN Browns specific equipment.
- 14) Who is responsible for emptying tanks following shut-downs?
Response: The contractor is responsible for final draining of all tanks and piping; this includes providing CN Brown with notice of anticipated demolition so CN Brown can draw down tanks to typical and ordinary levels. Contractor is responsible for final emptying, cleaning and proper disposal of contents. See Special Provision 35 15 60 for more information.

ATTACHMENTS

- Proposal Sheets P-2 thru P-9 (Revised) (8 page)
- Special Provision 409 (Page SP-31 Revised) (1 page)
- Special Provision 203 (Pages SP19 Revised and SP 20 Revised) (2 pages)
- Plan Sheet 2 of 43, Estimated Quantities (1 page)
- Pre-Bid Agenda (5 pages)
- Pre-Bid Sign-In (1 page)

Notes: The above items shall be considered as part of the bid submittal.

The total number of pages included with this addendum is twenty-two (22).

All bidders are requested to acknowledge the receipt of the Addendum No. 2 by signing below and faxing this sheet to Nathaniel Carll, Purchasing Department, Maine Turnpike Authority at 207-871-7739. Bidders are also required to acknowledge receipt of this Addendum No. 2 on Page P-10 of the bid package.

Business Name

Print Name and Title

Signature

Date

July 23, 2018

Very truly yours,

MAINE TURNPIKE AUTHORITY

Nathaniel Carll
Purchasing Department
Maine Turnpike Authority

**SCHEDULE OF BID PRICES
CONTRACT NO. 2018.18
Kennebunk Travel Plazas
Fuel System Replacement
Mile 25.5 SB and NB**

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
202.15	Remove Existing Manhole or Catch Basin	Each	1				
202.17	Removing Existing Structural Concrete	Lump Sum	1				
202.202	Removing Pavement Surface	Square Yard	1,290				
203.20	Common Excavation	Cubic Yard	4,790				
203.2312	Health and Safety Plan	Lump Sum	1				
203.2333	Disposal/Treatment of Special Excavation	Ton	3,000				
203.2334	Disposal/Treatment of Contaminated Groundwater	Gallon	700,000				
203.2335	Disposal/Treatment of Contaminated Groundwater (Kennebunk Sewer District)	Gallon	300,000				
206.061	Structural Earth Excavation - Drainage Minor Structures Below Grade	Cubic Yard	50				
304.10	Aggregate Subbase Course - Gravel	Cubic Yard	4,450				
304.14	Aggregate Base Course - Type A	Cubic Yard	1,985				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
403.207	Hot Mix Asphalt, 19.0 mm Nominal Maximum Size	Ton	1,920				
403.208	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size	Ton	1,200				
403.2084	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (sidewalks, drives, islands & incidentals)	Ton	57				
403.213	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (Base and Intermediate Base course)	Ton	1,180				
409.15	Bituminous Tack Coat, Applied	Gallon	1,140				
419.30	Sawing Bituminous Pavement	Linear Foot	2,360				
502.701	Concrete Gas Island and Slab	Cubic Yard	220				
502.702	Concrete Diesel Island and Slab	Cubic Yard	160				
502.703	Concrete Gas Tank Slab	Cubic Yard	45				
502.704	Concrete Diesel Tank Slab	Cubic Yard	18				
502.705	Concrete Fuel Tank Slab	Cubic Yard	60				
503.14	Epoxy-Coated Reinforcing Steel, Fabricated and Delivered	Pound	42,000				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
503.15	Epoxy-Coated Reinforcing Steel, Placing	Pound	42,000				
524.30	Temporary Structural Support	Each	4				
526.306	Temporary Concrete Barrier, Type I - Supplied by Authority (950 LF)	Lump Sum	1				
527.34	Work Zone Crash Cushion - TL-2	Each	4				
603.155	12 Inch Reinforced Concrete Pipe - Class III	Linear Foot	470				
603.165	15 inch Reinforced Concrete Pipe - Class III	Linear Foot	390				
604.071	Catch Basin Type A1	Each	5				
604.09	Catch Basin Type B1	Each	1				
604.15	Manhole	Each	1				
604.18	Adjusting Manhole or Catch Basin To Grade	Each	5				
604.182	Cleaning Existing Catch Basin and Manhole	Each	1				
604.246	Catch Basin Type F5	Each	2				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
604.30	Oil-water Separator System	Each	2				
606.356	Underdrain Delineator Post	Each	1				
607.18	6 Foot Chain Link Safety Fence	Linear Foot	400				
608.08	Reinforced Concrete Sidewalk	Square Yard	9				
609.11	Vertical Curb Type 1	Linear Foot	530				
609.12	Vertical Curb Type 1 - Circular	Linear Foot	43				
609.234	Terminal Curb Type 1 - 4 Foot	Each	2				
609.38	Reset Curb Type 1	Linear Foot	1,140				
610.08	Plain Riprap	Cubic Yard	3				
613.319	Erosion Control Blanket	Square Yard	12				
615.07	Loam	Cubic Yard	240				
618.13	Seeding Method Number 1	Unit	20				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
619.1201	Mulch - Plan Quantity	Unit	20				
619.1202	Temporary Mulch	Lump Sum	1				
622.10	Transplanting Shrub	Each	4				
626.13	18" x 12" x 18" Quazite Junction Box	Each	6				
626.22	Non-metallic Conduit	Linear Foot	950				
626.32	24 inch Diameter Foundation	Each	3				
626.36	Remove or Modify Concrete Foundation	Each	3				
627.18	12 inch Solid White Pavement Marking Line	Linear Foot	16				
627.731	Temporary 6 Inch Black Pavement Marking Tape	Linear Foot	2,060				
627.733	4" White or Yellow Painted Pavement Marking Line	Linear Foot	500				
627.744	6" White or Yellow Painted Pavement Marking Line	Linear Foot	500				
629.05	Hand Labor, Straight Time	Man Hour	40				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
631.12	All Purpose Excavator (including operator)	Hour	40				
631.172	Truck Large (including operator)	Hour	80				
631.221	Small Front End Loader (Including Operator)	Hour	40				
631.36	Foreman	Hour	40				
634.208	Remove and Reset Light Standards	Each	3				
634.22	Temporary Lighting (SB Plaza)	Lump Sum	1				
634.23	Temporary Lighting (NB Plaza)	Lump Sum	1				
639.19	Field Office, Type B	Each	1				
639.191	Remove and Reset Field Office	Lump Sum	1				
645.109	Remove and Reset Sign	Each	12				
652.312	Type III Barricades	Each	2				
652.33	Drum	Each	110				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
652.34	Cone	Each	110				
652.35	Construction Signs	Square Foot	278				
652.361	Maintenance of Traffic Control Devices	Lump Sum	1				
652.38	Flagger	Hour	200				
652.41	Portable Changeable Message Sign	Each	2				
655.101	#6 AWG Wire	Linear Foot	2,030				
655.11	#10 AWG Wire	Linear Foot	1,020				
656.50	Baled Hay, in place	Each	10				
656.632	30 Inch Temporary Silt Fence	Linear Foot	820				
659.10	Mobilization	Lump Sum	1				
800.01	Removal of Underground Tanks - Gas and Diesel (SB Plaza)	Lump Sum	1				
800.02	Removal of Underground Tanks - Gas and Diesel (NB Plaza)	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:							
800.03	Underground Tank Installation - Gas and Diesel (SB Plaza)	Lump Sum	1				
800.04	Underground Tank Installation Gas and Diesel (NB Plaza)	Lump Sum	1				
800.05	Aboveground Diesel Tank Installation (SB Plaza)	Lump Sum	1				
800.06	Aboveground Diesel Tank Installation (NB Plaza)	Lump Sum	1				
800.07	Aboveground Gas Tank Installation (SB Plaza)	Lump Sum	1				
800.08	Aboveground Gas Tank Installation (NB Plaza)	Lump Sum	1				
800.20	Canopy Demolition - Gas and Diesel (SB Plaza)	Lump Sum	1				
800.21	Canopy Demolition - Gas and Diesel (NB Plaza)	Lump Sum	1				
800.50	New Canopy Installation - Gas and Diesel (SB Plaza)	Lump Sum	1				
800.51	New Canopy Installation - Gas and Diesel (NB Plaza)	Lump Sum	1				
TOTAL:							

SPECIAL PROVISIONSECTION 409BITUMINOUS TACK COAT409.02 Bituminous Material

This Subsection is deleted and replaced with the following:

Bituminous material shall conform to the Specifications for Emulsified Asphalt RS-1 or RS-1h, of the AASHTO Designation M-140.

409.05 Equipment

Add “or as determined by the Resident”, after the words “gal/yd²” in the fourth line of the second paragraph of this Subsection.

409.06 Preparation of Surface

The following paragraph is added:

All existing pavement and shoulder areas on which bituminous concrete mixtures are to be placed shall receive a tack coat. The surface area where the tack coat is to be applied shall be dry and cleaned of all dirt, sand, and loose material. Cleaning shall be accomplished by use of revolving brooms or mechanical sweepers. Undesirable material not removed by the above means shall be cleaned by hand sweeping or scraping, or a combination of both. Small areas otherwise inaccessible may be swept with hand brooms. The tack coat shall be applied only when the existing surface is dry.

409.08 Method of Measurement

The following paragraphs are added:

Measurement will be based on delivery slips made out in duplicate by the Contractor and signed by the Resident, or his representative, at the point of delivery. One of these slips shall be retained by the Resident and one by the Contractor. Delivery slips shall be furnished by the Contractor and shall provide space for identifying the vehicle and driver, for stating the volume of material carried, the source of the material, the date, and the Resident or his representative's signature.

Material included in the delivery slips and not used or rejected shall be deducted from the amount being measured for payment. Each day's delivery slips shall be reconciled by the Contractor and the Resident within 24-hours.

Cleaning of the surface area where tack coat is to be applied shall be incidental to Item 409.15, Bituminous Tack Coat - Applied.

Health and Safety Monitoring. Within the contaminated area of the Project, the Contractor's designated person shall monitor the worker breathing zone for those constituents specified in the Contractor's HASP. The Contractor shall provide all required health and safety monitoring equipment.

203.07 Dewatering

It is likely that groundwater will be encountered during excavation and should its removal become necessary to complete work, it will be treated as "contaminated" water. The Contractor shall inform the Resident before any dewatering commences. The "contaminated" water shall be pumped into a temporary holding tank(s). The Contractor will be responsible for the procurement of any holding tank(s). Any testing, treatment and/or disposal of the stored, petroleum contaminated water shall be undertaken by the Contractor in accordance with applicable Federal, State and local regulatory requirements.

203.08 On-Site Water Storage Tanks - Materials

If dewatering within the identified contaminated area becomes necessary the holding tanks used for temporary storage of contaminated water pumped from excavations shall be contamination-free and sized appropriately for contractor's storage, treatment, and disposal process.

203.09 Dust Control

The Contractor shall employ dust control measures to minimize the creation of airborne dust during construction within the contaminated area. As a minimum, standard dust control techniques shall be employed where heavy equipment and the public will be traveling. These may include techniques such as watering-down the site or spreading hygroscopic salts.

203.10 Unanticipated Contamination.

If the Contractor encounters previously undiscovered contamination or potentially hazardous conditions related to contamination, the Contractor shall suspend work and secure the area. The Contractor will then notify the Resident immediately. The Resident will then notify the Authority. These potentially hazardous conditions include, but are not limited to, buried fuel piping, vapor recovery piping, "oil saturated soils", strong odors or the presence of petroleum sufficient to cause a sheen on the groundwater. The area of potential hazard shall be secured to minimize health risks to workers and the public and to prevent a release of contaminants into the environment. The source of the suspected contamination will be evaluated by the Resident (or MTA Environmental representative). As appropriate, the Resident will notify the Maine Department of Environmental Protection's Response Services Unit in Augusta, and the Authority's Environmental Services Coordinator. The Kennebunk Fire Department must also be notified prior to removal of buried storage tanks and associated piping. The Contractor will evaluate the impact of the hazard on construction, amend the HASP if necessary, and with the Resident's approval, restart work in accordance with the procedures of this Special Provision.

203.11 Method of Measurement.

Health and Safety Plan (HASP) will be measured for payment by the lump sum.

Disposal/Treatment of Special Excavation will be measured for payment by the ton.

Disposal/Treatment of Contaminated Groundwater, including at Kennebunk Sewer District (KSD) will be measured for payment by the gallon.

203.012 Basis of Payment.

Health and Safety Plan (HASP) will be paid for at the Contract lump sum price which payment shall be full compensation for development of a Health and Safety Plan (HASP) and providing health and safety equipment and personnel.

Disposal/Treatment of Special Excavation (contaminated soils) will be paid for at the Contract unit price per ton which payment shall be full compensation for excavating, loading, hauling, treatment, placing, grading and compacting, and all necessary equipment and labor. Only soil excavated from within the area shown on the plans or as designated by the Resident will be paid under this pay item.

Disposal/Treatment of Contaminated Groundwater, including at KSD, will be paid for at the Contract unit price per gallon which payment shall be full compensation for pumping excavations, loading, hauling, treatment, and all necessary equipment and labor. Only groundwater pumped from excavations within this project will be paid under this pay item.

There will be no measurement for identification and environmental screening of contaminated soil material or groundwater (this will be done by the Resident or Authority’s Environmental Services Coordinator).

Construction of a Temporary Secured Stockpile Area, or groundwater holding tank, if necessary, will not be measured separately for payment, but shall be incidental to Items 203.2312, 203.2333, 203.2334, and 203.2335.

Hauling Surplus contaminated soils to the Temporary Secure Stockpile area or placement and removal of contaminated soils in or out of the Temporary Secure Stockpile area will not be measured separately for payment, but shall be incidental to Items 203.2312 and 203.2333.

All hauling and any subsequent management/placement of contaminated soils and/or groundwater shall be incidental to Items 203.2312, 203.2333, and 203.2334.

There will be no separate measurement for additional laboratory testing of contaminated soil that is required by the landfill or treatment facility. Testing shall be incidental to Item 203.2333, and 203.2334.

Payment will be made under:

<u>Pay Item</u>		<u>Pay Unit</u>
203.2312	Health and Safety Plan	Lump Sum
203.2333	Disposal/Treatment of Special Excavation	Ton
203.2334	Disposal/Treatment of Contaminated Groundwater	Gallon
203.2335	Disposal/Treatment of Contaminated Groundwater (Kennebunk Sewer District)	Gallon

Date: 7/23/2018

ITEMNO.	ITEM DESCRIPTION	UNIT	NB PLAZA	SB PLAZA	TOTAL QUANTITY
202.15	Remove Existing Manhole or Catch Basin	EA	0	1	1
202.17	Removing Existing Structural Concrete	LS	0.5	0.5	1
202.202	Removing Pavement Surface	SY	810	480	1,290
203.20	Common Excavation	CY	2780	2010	4,790
203.2312	Health and Safety Plan	LS	0.5	0.5	1
203.2333	Disposal/Treatment of Special Excavation	TON	1500	1500	3,000
203.2334	Disposal/Treatment of Contaminated Groundwater	Gal	350000	350000	700,000
203.2335	Disposal/Treatment of Contaminated Groundwater (Kennebunk Sewer District)	Gal	150000	150000	300,000
206.061	Structural Earth Excavation - Drainage Minor Structures Below Grade	CY	25	25	50
304.10	Aggregate Subbase Course - Gravel	CY	2500	1950	4,450
304.14	Aggregate Base Course - Type A	CY	1145	840	1,985
403.207	Hot Mix Asphalt, 19.0 mm Nominal Maximum Size	Ton	1100	820	1,920
403.208	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size	Ton	700	500	1,200
403.2084	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (sidewalks, drives, islands & incidentals)	Ton	27	30	57
403.213	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (Base and Intermediate Base course)	Ton	700	480	1,180
409.15	Bituminous Tack Coat, Applied	Gal	660	480	1,140
419.30	Sawing Bituminous Pavement	LF	1,500	860	2,360
502.701	Concrete Gas Island and Slab	CY	110	110	220
502.702	Concrete Diesel Island and Slab	CY	80	80	160
502.703	Concrete Gas Tank Slab	CY		45	45
502.704	Concrete Diesel Tank Slab	CY		18	18
502.705	Concrete Fuel Tank Slab	CY	60		60
503.14	Epoxy-Coated Reinforcing Steel, Fabricated and Delivered	LB	21,000	21,000	42,000
503.15	Epoxy-Coated Reinforcing Steel, Placing	LB	21,000	21,000	42,000
524.30	Temporary Structural Support	EA	2	2	4
526.306	Temporary Concrete Barrier, Type I - Supplied by Authority (950 LF)	LS	0.5	0.5	1
527.34	Work Zone Crash Cushion - TL-2	EA	2	2	4
603.155	12 Inch Reinforced Concrete Pipe - Class III	LF	270	200	470
603.165	15 inch Reinforced Concrete Pipe - Class III	LF	130	260	390
604.071	Catch Basin Type A1	EA	2	3	5
604.09	Catch Basin Type B1	EA	0	1	1
604.15	Manhole	EA	0	1	1
604.18	Adjusting Manhole or Catch Basin To Grade	EA	2	3	5
604.182	Cleaning Existing Catch Basin and Manhole	EA	1	0	1
604.246	Catch Basin Type F5	EA	2	0	2
604.30	Oil-water Separator System	EA	1	1	2
606.356	Underdrain Delineator Post	EA	1	0	1
607.18	6 Foot Chain Link Safety Fence	LF	200	200	400
608.08	Reinforced Concrete Sidewalk	SY	0	9	9
609.11	Vertical Curb Type 1	LF	180	350	530
609.12	Vertical Curb Type 1 - Circular	LF	17	26	43
609.234	Terminal Curb Type 1 - 4 Foot	EA	2	0	2
609.38	Reset Curb Type 1	LF	690	450	1,140
610.08	Plain Riprap	CY	3	0	3
613.319	Erosion Control Blanket	SY	12	0	12

ITEMNO.	ITEM DESCRIPTION	UNIT	NB PLAZA	SB PLAZA	TOTAL QUANTITY
615.07	Loam	CY	170	70	240
618.13	Seeding Method Number 1	Unit	14	6	20
619.1201	Mulch - Plan Quantity	Unit	14	6	20
619.1202	Temporary Mulch	LS	0.5	0.5	1
622.10	Transplanting Shrub	EA	0	4	4
626.13	18" x 12" x 18" Quazite Junction Box	EA	4	2	6
626.22	Non-metallic Conduit	LF	540	410	950
626.32	24 inch Diameter Foundation	EA	2	1	3
626.36	Remove or Modify Concrete Foundation	EA	2	1	3
627.18	12 inch Solid White Pavement Marking Line	LF	0	16	16
627.731	Temporary 6 Inch Black Pavement Marking Tape	LF	810	1250	2,060
627.733	4" White or Yellow Painted Pavement Marking Line	LF	250	250	500
627.744	6" White or Yellow Painted Pavement Marking Line	LF	250	250	500
629.05	Hand Labor, Straight Time	MH	20	20	40
631.12	All Purpose Excavator (including operator)	HR	20	20	40
631.172	Truck Large (including operator)	HR	40	40	80
631.221	Small Front End Loader (Including Operator)	HR	20	20	40
631.36	Foreman	HR	20	20	40
634.208	Remove and Reset Light Standards	EA	2	1	3
634.22	Temporary Lighting (SB Plaza)	LS		1	1
634.23	Temporary Lighting (NB Plaza)	LS	1		1
639.19	Field Office, Type B	EA		1	1
639.191	Remove and Reset Field Office	LS	1		1
645.109	Remove and Reset Sign	EA	5	7	12
652.312	Type III Barricades	EA	1	1	2
652.33	Drum	EA	55	55	110
652.34	Cone	EA	55	55	110
652.35	Construction Signs	SF	139.0	139.0	278
652.361	Maintenance of Traffic Control Devices	LS	0.5	0.5	1
652.38	Flaggers	HR	100	100	200
652.41	Portable Changeable Message Sign	EA	1	1	2
655.101	#6 AWG Wire	LF	1170	860	2,030
655.11	#10 AWG Wire	LF	590	430	1,020
656.50	Baled Hay, in place	EA	5	5	10
656.632	30 Inch Temporary Silt Fence	LF	370	450	820
659.10	Mobilization	LS	0.5	0.5	1
800.01	Removal of Underground Tanks - Gas and Diesel (SB Plaza)	LS		1	1
800.02	Removal of Underground Tanks - Gas and Diesel (NB Plaza)	LS	1		1
800.03	Underground Tank Installation - Gas and Diesel (SB Plaza)	LS		1	1
800.04	Underground Tank Installation Gas and Diesel (NB Plaza)	LS	1		1
800.05	Aboveground Diesel Tank Installation (SB Plaza)	LS		1	1
800.06	Aboveground Diesel Tank Installation (NB Plaza)	LS	1		1
800.07	Aboveground Gas Tank Installation (SB Plaza)	LS		1	1
800.08	Aboveground Gas Tank Installation (NB Plaza)	LS	1		1
800.20	Canopy Demolition - Gas and Diesel (SB Plaza)	LS		1	1
800.21	Canopy Demolition - Gas and Diesel (NB Plaza)	LS	1		1
800.50	New Canopy Installation - Gas and Diesel (SB Plaza)	LS		1	1
800.51	New Canopy Installation - Gas and Diesel (NB Plaza)	LS	1		1

Filename: 00X_Estimate Quantities.dgn

Scale:		Designed by:	
No.	Revision	By	Date
1	UPDATED 203.2333 & 203.2334	DAM	7/18
2	ADDED 203.2335	DAM	7/18

HNTB

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.

By	Date	By	Date
PEM	7\18	LZD	7\18
Designed	PEM 7\18	Checked	LZD 7\18
Drawn	SLS 7\18	In Charge of	RAL 7\18

HNTB CORPORATION
 340 County Road, Suite 6-C
 Westbrook, ME 04092
 TEL (207) 774-5155
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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
 REPLACEMENT MILE 25.5 SB AND NB

ESTIMATED QUANTITIES

SHEET NUMBER: EQ-01
 16 OF 22
 CONTRACT: 2018.18
 2 OF 43

MAINE TURNPIKE AUTHORITY

Pre-Bid Conference

CONTRACT 2018.18

KENNEBUNK TRAVEL PLAZAS
FUEL SYSTEM REPLACEMENT
MILE 25.5 SB AND NB

July 17, 2018, 10:00 AM

1. Location:

The general limits of work are as shown in the contract plans.

2. General Description:

The work consists of removing and replacing the underground gas and diesel storage tanks, with owner furnished underground storage tanks, at the Kennebunk southbound and northbound travel plazas, providing final installation of temporary gas and diesel dispensers using owner supplied aboveground storage tanks, associated electrical, mechanical, drainage, site work, maintenance of traffic and all other work incidental thereto in accordance with the Plans and Specifications.

3. Bid Questions:

- a. All bid and contractual questions shall be directed to Nate Carll, Purchasing Manager at Phone No. (207) 482-8115.
- b. All questions on plans and specifications shall be in writing and shall faxed or emailed to Nate Carll of the Maine Turnpike Authority. Fax No. (207) 871-7739, email: ncarll@maineturnpike.com.

4. Notification:

Contractor shall notify and obtain approval from the Authority prior to visiting the Project site for field inspection. The contact person is Mr. Steve Tartre at startre@maineturnpike.com or (207) 871-7771, ext. 144.

5. Contract Specifications

- a. The Specifications are divided into three parts: Part I, Supplemental Specifications, Part II, Special Provisions and Part III, Appendices.
- b. The Maine Turnpike Supplemental Specifications are additions and alternations to the 2014 Maine Department of Transportation Standard Specifications.

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

7. Hauling of Materials and Equipment – General Requirements (Supplemental Specification 105.5.1)
U-Turns at toll plazas and median openings not allowed.
8. Permit Requirements (Special Provision 105.8.2)
 - a. The Project is subject to the requirements of the Maine Pollutant Discharge Elimination System (MPDES) General Permit for Stormwater Discharge from Construction Activity.
 - b. A Notice of Intent (NOI) will be submitted by the Authority to the DEP for coverage under the Maine Construction General Permit (MCGP). Compliance with the erosion and sedimentation control requirements outlined in this Contract is required by the Contractor.
 - c. Limit of Disturbance Plan shall be submitted prior to any disturbance.
 - d. Compliance with the erosion and sedimentation control requirements outlined in this Contract is required by the Contractor.
 - e. The Project will be performed in accordance with the MaineDOT Best Management Practices (BMP) latest issue.
9. Traffic Control (Supplemental Specification and Special Provision Section 652):
 - a. All jobsite personnel shall wear a safety vest labeled as ANSI 107-2004 standard performance for Class 3 risk exposures at all times. This requirement also applies to truck drivers and equipment operators when out of an enclosed cab.
 - b. All vehicles used on the Project shall be equipped with amber flashing beacons in accordance with the Supplemental Specification 652.3.4. The requirements for flashing beacons has been revised and should be reviewed.
 - c. Access to the gas and diesel dispensers for fuel service, temporary or permanent, shall be maintained at all times.
 - d. The Contractor is responsible for supplying, inspecting and maintaining traffic control devices in accordance with the project specifications. Contractor is subject to Penalty Damages for violation(s) per Supplemental Specification 652 and Special Provision 652.
 - e. All signs, which do not apply to current construction activity, shall be 100% covered or removed in accordance with the plans. This includes speed limit signs when the work zone speed is in effect.
 - f. All traffic control devices shall be NCHRP 350 compliant. Contractor access to and from the mainline shall not negatively impact mainline traffic flow. The Contractor may be required to establish lane closures to provide for safe access.

Project Specific Items

10. Bid Opening

- a. Opening: July 24, 2018 at 11:00 A.M. at MTA Headquarters 2360 Congress Street, Portland

11. Construction Schedule/Prosecution of Work:

- a. July 26, 2018 – MTA Board to consider Contract Award
- b. December 21, 2018 – Substantial Completion of Southbound Plaza
- c. June 21, 2019 – Substantial Completion of Northbound Plaza.
- d. June 21, 2019 – Contract Completion Date

12. Cooperation With Other Contractors (Special Provision 104.4.7):

Within the vicinity of Kennebunk Fuel System Replacement project, the following contracts are considered adjacent:

- a. MTA Contract – Kennebunk Service Plaza Parking Improvements

13. Substantial Completion (Special Provision 107.1.1)

- a. All work shall be substantially complete as noted in the Construction Schedule above.
- b. The Authority will pay the Contractor an incentive per calendar day for each day the work, required to satisfy the Substantial Completion date, is achieved prior to the date specified, to a maximum, in Special Provision 107.6 Completion Incentives and Disincentives.
- c. Supplemental Liquidated Damages on a calendar day basis in accordance with Subsection 107.8, shall be assessed for each calendar day that substantial completion is not achieved.

14. Prosecution of Work (Special Provision 107.4.6)

- a. The paragraph noting the Contractor is allowed a maximum of 90 days for the operation of aboveground storage tanks will be replaced and/or supplemented with clarifying text for earliest allowable start dates.
 - i. The earliest start date for operation of the temporary Aboveground Storage Tanks on northbound will be March 18, 2019.

15. Specific Contract Items

- a. Section 104.4.6 Utility Coordination
 - i. Underground utilities are present within the work area at both the Kennebunk southbound and northbound Service Plazas. The contractor is responsible for the identification of all utilities and for the resolution of utility conflicts. The contractor shall provide a minimum 10 working day notice to all Utilities prior to excavation.
- b. Section 203 Excavation and Embankment
 - i. The area of fuel systems removal and replacement has been impacted by petroleum, both soil and groundwater. There is specific protocol for Excavating (and handling) Contaminated Soils and Groundwater which shall be followed.
 - ii. The contractor shall prepare a site-specific Health and Safety Plan and submit for review and approval prior to any excavation.

- c. Section 526 Concrete Barrier and Section 607 Fences
 - i. The Kennebunk Service Plazas are busy locations with many patrons unfamiliar with regular traffic flow. This project will introduce construction traffic and temporary traffic control. In the interest of worker and public safety, Temporary Concrete Barrier Type I – Supplied By Authority, has been made part of the Contractor’s work. The contractor should review this work item.
 - ii. Similarly, the Contractor will be responsible for Section 607 Fences, which contains requirements for a free-standing 6 foot chain link safety fence.
- d. Section 604 Manholes, Inlets and Catch Basins (Oil-Water Separator System)
 - i. The proposed oil-water separator system shall be designed and stamped by a Professional Engineer licensed in the State of Maine and submitted to the Authority for approval.
- e. Section 634 Highway Lighting – Temporary Lighting
 - i. The contractor will be responsible for maintaining existing and providing temporary lighting for traffic circulation and temporary fueling, 24 hours per day.
 - ii. Interruption of Ramp lighting is permitted during daylight hours only.
 - iii. Temporary generators are not acceptable power sources for lighting.
- f. Section 652 Maintenance of Traffic
 - i. The contractor shall review the Plans, Sequence of Construction Notes, and Special Provisions for the multiple Maintenance of Traffic Phases and Construction Signage.
 - ii. The contractor shall work closely with the MTA Resident Engineer on setup and maintenance of all phases. Patron, CN Brown, and HMS Host traffic shall be maintained at all times.
 - iii. Portable variable message signs shall be set up on the Turnpike Mainline at least two weeks prior to the temporary fueling systems being operational.
- g. Section 800 Building and Structures (Gasoline and Diesel Canopy Demolition)
 - i. The contractor shall not demolish or turn off the existing fueling system until the temporary fuel system is fully tested and operational.
 - ii. The contractor shall coordinate with CN Brown for the removal of dispensers and kiosk infrastructure.
- h. Section 800 Building and Structures (New Gasoline and Diesel Canopies)
 - i. The proposed canopy system and foundations shall be designed and stamped by a Professional Engineer licensed in the State of Maine.

- ii. The Canopy bid item includes design, detailing, fabrication, delivery, and construction of the: new canopies, associated foundations, electrical and communication facilities, fire suppression system, canopy lighting, drainage facilities, and all other incidentals necessary to complete the work in accordance with the Plans and these specifications.
- i. Section 33 16 00 Fuel Storage and Dispensing Equipment
 - i. Contractor is responsible for full design of the entire fuel storage and dispensing systems. Designs shall be stamped and signed by licensed Professional Engineers in the State of Maine.
 - ii. Owner-Furnished Equipment is listed in Section 1.1, including temporary above ground tanks and the permanent underground storage tanks. These are to be delivered to the site following the required coordination.
 - iii. Contractor is responsible for all installation, testing and commissioning work for complete and operational aboveground and underground storage and dispensing fuel systems.
 - iv. Contractor is responsible for proper new tank registrations required by MaineDEP.
 - v. Contractor shall coordinate with CN Brown for delivery of temporary fuel system kiosks.
 - vi. Contractor is responsible for crane services and all other off-loading equipment necessary for the delivery of owner-furnished or CN Brown furnished equipment.
- j. Section 35 15 60 Fueling System Demolition
 - i. Removal of Underground Tanks – Gas and Diesel will be measured as one lump sum per plaza for, but not limited to: removal of the existing underground tanks, fuel draining, tank and line cleaning and all incidentals necessary to remove the tanks and appurtenances completely
 - ii. Contractor is responsible for proper Tank Removal notifications required by MaineDEP

16. Questions

SIGN-IN SHEET

Contract 2018.18 Kennebunk Travel Plazas
Fuel System Replacement, NB and SB
Pre-Bid Meeting



Please Print

Name	Company and/or Address	Phone	E-Mail
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