



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0016

Paul R. LePage
GOVERNOR

David Bernhardt
COMMISSIONER

February 12, 2018
Subject: Highway Reconstruction
State WIN: 018622.00
Location: **Hallowell**
Amendment No. 1

Dear Sir/Ms.:

Please make the following changes to the Bid Documents:

In the Bid Book:

REMOVE pages 17 – 29, Proposal Schedule of Items, 13 pages, dated 1/24/2018, and **REPLACE** with the attached, revised Proposal Schedule of Items, 13 pages, dated 2/12/2018.

REMOVE pages 105 – 106, SPECIAL PROVISION - SECTION 607 – FENCES - (Pedestrian Fence), 2 pages, dated January 11, 2018, and **REPLACE** with the attached, revised SPECIAL PROVISION - SECTION 607 – FENCES - (Pedestrian Fence), 2 pages, dated February 12, 2018.

REMOVE page 143, “BID ITEMS”, and **REPLACE** with the attached, revised “BID ITEMS”.

On page 147, **CHANGE** 825.541 – TEMPORARY WATER MAIN to read “825.5411 – TEMPORARY WATER MAIN”. Make this change in pen and ink.

In the Plan Set:

On SHEET NUMBER 5 OF 172, ESTIMATED QUANTITIES, **CHANGE** Item No. 825.4311 – 1½ inch COPPER SERVICE to read “825.431 – 1½ inch COPPER SERVICE”.

On SHEET NUMBER 5 OF 172, ESTIMATED QUANTITIES, **CHANGE** Item No. 825.541 – TEMPORARY WATER MAIN to read “825.5411 – TEMPORARY WATER MAIN”. Make this change in pen and ink.

The following questions have been received:

Question: There are 12 inch, 15 inch, 30 inch, 36 inch, and 42 inch diameters of RCP class III pipe sole specified on the plans as cross culvert. Would Sanitite HP be allowed as an alternate for any of these culverts? Sanitite HP is available in dual wall 12 inch through 24 inch and 30 inch through 42 inch would be triple wall.



PRINTED ON RECYCLED PAPER

Response: No. On Corridor Priority 1 & 2 highways, the Departments policy is concrete pipe shall be used.

Question: Per the HMA with Fine Micro-Deval Requirement Special Provision in section 401; "The HMA composite blend, minus any RAP used, shall have a Micro-Deval value of 18.0 or less as determined by AASHTO T327. The HMA composite blend, minus any RAP used, shall have a Fine Micro-Deval value of 14.0 or less as determined by ASTM D7428". Does this mean that current JMFs approved by the Washington State Degradation test will not be acceptable for any items that include Note 27?

Response: Current JMFs approved by the Washington State Degradation test will not be acceptable for any items that include Note 27.

Question: Could the Department clarify the June 29th milestone, is the intention is to have all work completed which includes, Base Pavement, Gravel, Waterline, Drainage, Lighting, Granite Curb, Sidewalk and Brick work?

Response: Yes, that is the intent.

Question: How does the Department plan to address the center line joint elevation difference in between the construction phases as well as the June 29th Milestone? Is the intent to utilize temporary pavement and paid as such or is it considered incidental?

Response: Use temporary pavement paid under Item 461.131.

Question: After a preconstruction survey is completed for all building structures and the utilization of oscillatory rollers are used in the construction process at the specified velocity threshold of 0.05in/sec, will the Department waive density and joint density if damage of buildings or personally property are encountered?

Response: No.

Question: How is the gravel borrow for behind the recycled granite curb block wall to be paid for?

Response: Gravel Borrow backfill behind the wall is considered to be an integral part of the materials necessary for wall construction and is incidental to payment under Item 679.20. See Section 679.08 'Basis of Payment' in Special Provision 679.

Question: Please clarify what is included with pay Item 608.15 "Brick Sidewalk with Bituminous Base".

Response: Excavation will be paid under Item 203.20 Common Excavation. Gravel will be paid under Item 304.10 Aggregate Subbase Course-Gravel. HMA will be paid under Item 403.209 Hot Mix Asphalt 9.5mm. Brick and all other materials and work necessary to complete the brick sidewalk are included for payment under Item 608.15.

Question: Please clarify the locations and number of the granite slab crosswalks.

Response: Three total, one at the foot of Winthrop Street and two on Water Street (Route 27/201). See the item summary in the upper left corner of Sheet 10 in the project plans for exact locations.

Question: Please clarify how the temporary curb and pavement modifications required to be in place prior to the detours being in place.

Response: The temporary modifications are intended to be in place prior to implementing the detour and must be removed immediately after the detour period ends. Payment will be made under Item 203.20 Common Excavation, Item 304.10 Aggregate Subbase Course-Gravel, applicable Section 403 items for HMA, Item 609.31 Curb Type 3, Item 609.38 Reset Curb Type I, and applicable hourly labor and equipment items for removal and reinstallation of the sidewalk light poles and for tree trimming.

Question: Please clarify how the removal of the existing platform for the installation of the temporary gravel parking area between Winthrop and Central Streets is to be paid for?

Response: Payment will be made under applicable hourly labor and equipment rental items.

Question: Please clarify how the installation of the gravel for the temporary gravel parking area between Winthrop and Central Streets is to be paid for?

Response: Payment will be made under Item 304.10. See note on Sheet 160 of the project plans.

Question: Due to the size and complexity of this project would the Department consider extending the bid date by 1 week to allow for a complete/thorough take off and evaluation of this project?

Response: No.

Question: Please clarify what materials the RCP, CMP and Option III pipes are to be back filled with.

Response: Backfill material will be suitable material from excavation. See Standard Specifications Section 206.03 for requirements.

Question: Several places on the plans call out for an existing pipe to be "plugged & filled". Please clarify what is meant by "filled" and how it will be paid for.

Response: Pipes designated to remain in place but to be filled are intended to be filled with flowable concrete fill. See Standard Specifications Section 502.05 for mix requirements. Payment will be incidental to Section 603 pay items.

Question: How is the rail crossing removal on Chestnut Street being paid for?

Response: Saw cut and excavate pavement as needed to remove rails and ties. Payment will be under Item 203.20 Common Excavation. Voids created or any roadway gravel necessary to be removed in the process of removing rails and ties shall be replaced with Item 304.10 Aggregate Subbase Course-Gravel. Repave with applicable Section 403 HMA items.

Question: In several locations it calls for the addition of 1 single granite step. How will this be paid for?

Response: Item 642.184 Granite Step. Payment is per each step of rise.

Question: Please clarify the locations and quantity for item 604.33 "Surface Drains".

Response: Station 17+68 to Station 18+00 RT, 32 linear feet. See cross-sections.

Question: The 4" underdrain pipe is not listed in the drainage schedule on sheet 8 of the plans. Please clarify the location of the 4" underdrain.

Response: The location is undetermined. The item is intended for possible use for connection of roof or cellar drains, if found to be needed. It was included in the item list to get a bid price.

Question: Item #: 607.39 - Pedestrian Fence. Page 105 of the spec book calls out for the fence panel to be 'Ovation' style ornamental fence by Jerith Manufacturing Co, Inc. with framing to have 1 5/8 channels and 1" square pickets. This 'Ovation' style fence is only available with 1" x 1 1/2 rails and 3/4" square pickets. Please advise.

Response: 1.5 inch rails and 0.75 inch square pickets will be allowed. See revised Section 607 special provision for Item 607.39.

Question: Is it the design intention for the installation of the 16 inch railroad sleeve to be "open cut"? If not, what are the requirements of the controlling railroad company? Insurance requirements? Inspectors? Time restrictions?

Response: The 16 inch sleeve can be installed in an open cut.

Consider these changes and information prior to submitting your bid on **February 21, 2018**.

Sincerely,



George M. A. Macdougall P.E.
Contracts & Specifications Engineer

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 018622.00

Project(s): 018622.00

SECTION: 1 HIGHWAY ITEMS

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0010	107.51 PROSECUTION OF WORK - INITIAL SCHEDULE	LUMP SUM	LUMP SUM		_____	_____
0020	107.53 PROSECUTION OF WORK - BIWEEKLY UPDATES	16.000 EA	_____	_____	_____	_____
0030	202.15 REMOVING MANHOLE OR CATCH BASIN	46.000 EA	_____	_____	_____	_____
0040	202.202 REMOVING PAVEMENT SURFACE	4,600.000 SY	_____	_____	_____	_____
0050	203.20 COMMON EXCAVATION	13,000.000 CY	_____	_____	_____	_____
0060	203.2312 HEALTH AND SAFETY PLAN	LUMP SUM	LUMP SUM		_____	_____
0070	203.2333 DISPOSAL OF SPECIAL EXCAVATION	50.000 T	_____	_____	_____	_____
0080	203.24 COMMON BORROW	50.000 CY	_____	_____	_____	_____
0090	203.25 GRANULAR BORROW	250.000 CY	_____	_____	_____	_____
0100	206.061 STRUCTURAL EARTH EXCAVATION - DRAINAGE AND MINOR STRUCTURES, BELOW GRADE	100.000 CY	_____	_____	_____	_____
0110	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	12,000.000 CY	_____	_____	_____	_____

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			Dollars	Cents	Dollars	Cents
0120	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	1,330.000 T	_____	 _____	_____	 _____
0130	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	740.000 T	_____	 _____	_____	 _____
0140	403.211 HOT MIX ASPHALT (SHIMMING)	73.000 T	_____	 _____	_____	 _____
0150	403.2131 12.5 MM POLYMER MODIFIED HMA BASE	2,090.000 T	_____	 _____	_____	 _____
0160	409.15 BITUMINOUS TACK COAT - APPLIED	600.000 G	_____	 _____	_____	 _____
0170	461.131 TEMPORARY PAVEMENT	1,000.000 T	_____	 _____	_____	 _____
0180	525.31 GRANITE SLAB CROSSWALK	1,130.000 SF	_____	 _____	_____	 _____
0190	526.301 TEMPORARY CONCRETE BARRIER TYPE I	LUMP SUM		 LUMP SUM	_____	 _____
0200	527.34 WORK ZONE CRASH CUSHIONS	5.000 UN	_____	 _____	_____	 _____
0210	603.155 12 INCH REINFORCED CONCRETE PIPE CLASS III	315.000 LF	_____	 _____	_____	 _____
0220	603.159 12 INCH CULVERT PIPE OPTION III	490.000 LF	_____	 _____	_____	 _____
0230	603.165 15 INCH REINFORCED CONCRETE PIPE CLASS III	61.000 LF	_____	 _____	_____	 _____

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0240	603.169 15 INCH CULVERT PIPE OPTION III	93.000 LF	_____	 _____	_____	 _____
0250	603.179 18 INCH CULVERT PIPE OPTION III	87.000 LF	_____	 _____	_____	 _____
0260	603.199 24 INCH CULVERT PIPE OPTION III	152.000 LF	_____	 _____	_____	 _____
0270	603.205 30 INCH REINFORCED CONCRETE PIPE CLASS III	45.000 LF	_____	 _____	_____	 _____
0280	603.209 30 INCH CULVERT PIPE OPTION III	8.000 LF	_____	 _____	_____	 _____
0290	603.215 36 INCH REINFORCED CONCRETE PIPE CLASS III	65.000 LF	_____	 _____	_____	 _____
0300	603.219 36 INCH CULVERT PIPE OPTION III	708.000 LF	_____	 _____	_____	 _____
0310	603.225 42 INCH REINFORCED CONCRETE PIPE CLASS III	48.000 LF	_____	 _____	_____	 _____
0320	603.241 54 INCH CORRUGATED METAL PIPE	16.000 LF	_____	 _____	_____	 _____
0330	603.43 36 INCH REINFORCED CONCRETE PIPE CLASS IV	203.000 LF	_____	 _____	_____	 _____
0340	603.431 36 INCH REINFORCED CONCRETE PIPE CLASS V	43.000 LF	_____	 _____	_____	 _____
0350	604.072 CATCH BASIN TYPE A1-C	3.000 EA	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0360	604.076 60 INCH CATCH BASIN TYPE A1-C	3.000 EA	_____	 _____	_____	 _____
0370	604.077 72 INCH CATCH BASIN TYPE A1-C	3.000 EA	_____	 _____	_____	 _____
0380	604.09 CATCH BASIN TYPE B1	8.000 EA	_____	 _____	_____	 _____
0390	604.092 CATCH BASIN TYPE B1-C	8.000 EA	_____	 _____	_____	 _____
0400	604.093 60 INCH CATCH BASIN TYPE B1	2.000 EA	_____	 _____	_____	 _____
0410	604.094 72 INCH CATCH BASIN TYPE B1	1.000 EA	_____	 _____	_____	 _____
0420	604.0956 96 INCH CATCH BASIN TYPE B1	4.000 EA	_____	 _____	_____	 _____
0430	604.0957 96" CATCH BASIN TYPE B1-C	2.000 EA	_____	 _____	_____	 _____
0440	604.096 60 INCH CATCH BASIN TYPE B1-C	5.000 EA	_____	 _____	_____	 _____
0450	604.097 72 INCH CATCH BASIN TYPE B1-C	3.000 EA	_____	 _____	_____	 _____
0460	604.156 96 INCH MANHOLE	3.000 EA	_____	 _____	_____	 _____
0470	604.16 ALTERING CATCH BASIN TO MANHOLES	1.000 EA	_____	 _____	_____	 _____
0480	604.245 CATCH BASIN TYPE F4-C	2.000 EA	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0490	604.247 CATCH BASIN TYPE F5-C	1.000 EA	_____	 _____	_____	 _____
0500	604.252 CATCH BASIN TYPE A5-C	26.000 EA	_____	 _____	_____	 _____
0510	604.26 CATCH BASIN TYPE B5	2.000 EA	_____	 _____	_____	 _____
0520	604.262 CATCH BASIN TYPE B5-C	4.000 EA	_____	 _____	_____	 _____
0530	604.2621 60 " CATCH BASIN TYPE B5-C	3.000 EA	_____	 _____	_____	 _____
0540	604.33 SURFACE DRAIN	32.000 LF	_____	 _____	_____	 _____
0550	604.573 CATCH BASIN TYPE A1-C 96 INCH DIAMETER	2.000 EA	_____	 _____	_____	 _____
0560	605.07 4" UNDERDRAIN PIPE	100.000 LF	_____	 _____	_____	 _____
0570	605.09 6 INCH UNDERDRAIN TYPE B	490.000 LF	_____	 _____	_____	 _____
0580	605.10 6 INCH UNDERDRAIN OUTLET	620.000 LF	_____	 _____	_____	 _____
0590	605.11 12 INCH UNDERDRAIN TYPE C	1,020.000 LF	_____	 _____	_____	 _____
0600	605.12 15 INCH UNDERDRAIN TYPE C	369.000 LF	_____	 _____	_____	 _____
0610	605.13 18 INCH UNDERDRAIN TYPE C	180.000 LF	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0620	605.15 24 INCH UNDERDRAIN TYPE C	253.000 LF	_____	 _____	_____	 _____
0630	605.17 30 INCH UNDERDRAIN TYPE C	220.000 LF	_____	 _____	_____	 _____
0640	605.18 36 INCH UNDERDRAIN TYPE C	60.000 LF	_____	 _____	_____	 _____
0650	606.365 GUARDRAIL REMOVE, MODIFY, AND RESET TYPE 3B TO 3C	110.000 LF	_____	 _____	_____	 _____
0660	606.47 SINGLE WOOD POST	23.000 EA	_____	 _____	_____	 _____
0670	607.1701 TEMPORARY CHAIN LINK FENCE - 6' MOVEABLE	1,300.000 LF	_____	 _____	_____	 _____
0680	607.22 CEDAR RAIL FENCE	303.000 LF	_____	 _____	_____	 _____
0690	607.24 REMOVE AND RESET FENCE	160.000 LF	_____	 _____	_____	 _____
0700	607.39 PEDESTRIAN FENCE	106.000 LF	_____	 _____	_____	 _____
0710	607.44 SAFETY FENCE	200.000 LF	_____	 _____	_____	 _____
0720	608.08 REINFORCED CONCRETE SIDEWALK	8.000 SY	_____	 _____	_____	 _____
0730	608.15 BRICK SIDEWALK WITH BITUMINOUS BASE	2,605.000 SY	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0740	608.26 CURB RAMP DETECTABLE WARNING FIELD	424.000 SF	_____	 _____	_____	 _____
0750	609.11 VERTICAL CURB TYPE 1	2,780.000 LF	_____	 _____	_____	 _____
0760	609.12 VERTICAL CURB TYPE 1 - CIRCULAR	20.000 LF	_____	 _____	_____	 _____
0770	609.19 VERTICAL CURB TYPE 2	60.000 LF	_____	 _____	_____	 _____
0780	609.234 TERMINAL CURB TYPE 1 - 4 FOOT	2.000 EA	_____	 _____	_____	 _____
0790	609.2341 TERMINAL CURB TYPE 1 - 4 FOOT - CIRCULAR	3.000 EA	_____	 _____	_____	 _____
0800	609.238 TERMINAL CURB TYPE 1 - 8 FOOT	70.000 EA	_____	 _____	_____	 _____
0810	609.2381 TERMINAL CURB TYPE 1 - 8' CIRCULAR	5.000 EA	_____	 _____	_____	 _____
0820	609.31 CURB TYPE 3	1,070.000 LF	_____	 _____	_____	 _____
0830	609.312 SPECIAL CURB	55.000 LF	_____	 _____	_____	 _____
0840	609.38 RESET CURB TYPE 1	314.000 LF	_____	 _____	_____	 _____
0850	615.07 LOAM	380.000 CY	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0860	618.13 SEEDING METHOD NUMBER 1	31.000 UN	_____	 _____	_____	 _____
0870	619.12 MULCH	31.000 UN	_____	 _____	_____	 _____
0880	620.60 SEPARATION GEOTEXTILE	1,300.000 SY	_____	 _____	_____	 _____
0890	626.11 PRECAST CONCRETE JUNCTION BOX	8.000 EA	_____	 _____	_____	 _____
0900	626.21 METALLIC CONDUIT	25.000 LF	_____	 _____	_____	 _____
0910	626.22 NON-METALLIC CONDUIT	2,800.000 LF	_____	 _____	_____	 _____
0920	626.31 18 INCH FOUNDATION	45.000 EA	_____	 _____	_____	 _____
0930	626.35 CONTROLLER CABINET FOUNDATION	1.000 EA	_____	 _____	_____	 _____
0940	626.36 REMOVE OR MODIFY CONCRETE FOUNDATION	22.000 EA	_____	 _____	_____	 _____
0950	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	12,300.000 LF	_____	 _____	_____	 _____
0960	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	1,900.000 SF	_____	 _____	_____	 _____
0970	627.77 REMOVING PAVEMENT MARKINGS	200.000 SF	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0980	627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	40,000.000 LF	_____	 _____	_____	 _____
0990	629.05 HAND LABOR, STRAIGHT TIME	120.000 HR	_____	 _____	_____	 _____
1000	631.10 AIR COMPRESSOR (INCLUDING OPERATOR)	25.000 HR	_____	 _____	_____	 _____
1010	631.11 AIR TOOL (INCLUDING OPERATOR)	25.000 HR	_____	 _____	_____	 _____
1020	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	120.000 HR	_____	 _____	_____	 _____
1030	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	120.000 HR	_____	 _____	_____	 _____
1040	631.18 CHAIN SAW RENTAL (INCLUDING OPERATOR)	5.000 HR	_____	 _____	_____	 _____
1050	631.20 STUMP CHIPPER (INCLUDING OPERATOR)	5.000 HR	_____	 _____	_____	 _____
1060	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	24.000 HR	_____	 _____	_____	 _____
1070	634.160 HIGHWAY LIGHTING	LUMP SUM		 LUMP SUM	_____	 _____
1080	634.70 ORNAMENTAL LIGHTING	19.000 EA	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
1090	634.72 RELOCATE ORNAMENTAL LIGHTING	LUMP SUM				
1100	639.18 FIELD OFFICE TYPE A	1.000 EA				
1110	642.184 GRANITE STEP	7.000 EA				
1120	645.106 DEMOUNT REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	73.000 EA				
1130	645.116 REINSTALL REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	73.000 EA				
1140	645.292 REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS TYPE II	70.000 SF				
1150	648.021 8" DR 11 DIPS HDPE	50.000 LF				
1160	648.031 16" DIA. SCHEDULE 40 RAILROAD SLEEVE	40.000 LF				
1170	652.311 TYPE II BARRICADE	5.000 EA				
1180	652.33 DRUM	150.000 EA				
1190	652.34 CONE	150.000 EA				

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			Dollars	Cents	Dollars	Cents
1200	652.35 CONSTRUCTION SIGNS	1,100.000 SF	_____	 _____	_____	 _____
1210	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	200.000 CD	_____	 _____	_____	 _____
1220	652.38 FLAGGER	3,250.000 HR	_____	 _____	_____	 _____
1230	652.381 TRAFFIC OFFICER	100.000 HR	_____	 _____	_____	 _____
1240	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	3.000 EA	_____	 _____	_____	 _____
1250	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM		 LUMP SUM	_____	 _____
1260	659.10 MOBILIZATION	LUMP SUM		 LUMP SUM	_____	 _____
1270	679.20 RECYCLED GRANITE CURB WALL WITH STEPS	760.000 SF	_____	 _____	_____	 _____
1280	801.03 TEST PITS	10.000 EA	_____	 _____	_____	 _____
1290	801.16 6 INCH PVC SANITARY SEWER (SDR-35)	180.000 LF	_____	 _____	_____	 _____
1300	822.33 6 INCH CLASS 52 DUCTILE IRON PIPE	185.000 LF	_____	 _____	_____	 _____
1310	822.34 8 INCH CLASS 52 DUCTILE IRON PIPE	1,440.000 LF	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
1320	822.36 12 INCH DUCTILE IRON PIPE	1,877.000 LF	_____	 _____	_____	 _____
1330	823.311 12 INCH GATE VALVE WITH BOX	8.000 EA	_____	 _____	_____	 _____
1340	823.3251 8 INCH GATE VALVE WITH BOX	12.000 EA	_____	 _____	_____	 _____
1350	823.33 6 INCH GATE VALVE WITH BOX	8.000 EA	_____	 _____	_____	 _____
1360	823.332 GATE VALVE BOX, ADJUST TO GRADE	10.000 EA	_____	 _____	_____	 _____
1370	823.3355 2" GATE VALVE WITH BOX	5.000 EA	_____	 _____	_____	 _____
1380	824.30 FIRE HYDRANT	5.000 EA	_____	 _____	_____	 _____
1390	825.32 2 INCH CORPORATION	5.000 EA	_____	 _____	_____	 _____
1400	825.321 1 INCH CORPORATION	59.000 EA	_____	 _____	_____	 _____
1410	825.3212 1.5" CORPORATION	1.000 EA	_____	 _____	_____	 _____
1420	825.331 1" CURB STOP - W/ BOX	59.000 EA	_____	 _____	_____	 _____
1430	825.3312 1.5" CURB STOP - W/ BOX	1.000 EA	_____	 _____	_____	 _____
1440	825.422 2" PLASTIC SERVICE	145.000 LF	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 018622.00

Project(s): 018622.00

SECTION: 1 HIGHWAY ITEMS

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1450	825.43 1" COPPER SERVICE	1,480.000 LF	_____	 _____	_____	 _____
1460	825.431 1 1/2 INCH COPPER SERVICE	20.000 LF	_____	 _____	_____	 _____
1470	825.5411 TEMPORARY WATER MAIN	LUMP SUM	LUMP SUM		_____	 _____
1480	827.301 ROCK EXCAVATION WATER MAIN	20.000 CY	_____	 _____	_____	 _____
1490	827.302 UNSUITABLE SOIL EXCAVATION - BELOW GRADE	100.000 CY	_____	 _____	_____	 _____
1500	827.33 TRENCH INSULATION	200.000 LF	_____	 _____	_____	 _____
1510	841.48 BOLLARDS	4.000 EA	_____	 _____	_____	 _____
Section: 1			Total:		_____	 _____
			Total Bid:		_____	 _____

SPECIAL PROVISION
SECTION 607
FENCES
(Pedestrian Fence)

Description

This work shall consist of furnishing and installing new aluminum fencing including foundations and accessories in accordance with these specifications, project documents or as directed by the Resident.

Materials

All material furnished by the Contractor shall be new.

- a. Fencing System shall be industrial strength aluminum, 'Ovation' Style Ornamental Fence, colored black, 48" height to top of top rail, with 70" posts as manufactured by Jerith Manufacturing Co., Inc., 14400 McNulty Road, Philadelphia, PA 19154. Telephone: 800-344-2242 or equal as approved by the Resident.
- b. Aluminum Extrusions: Aluminum material for fence framework shall conform to the requirements of ASTM B221. The aluminum extrusions for post and rails shall be Alloy and Temper Designation 6005-T5 with minimum yield strength of 35,000 psi. All other aluminum extrusions shall have minimum yield strength of 25,000 psi.
- c. Framing: Posts, other than gate posts, shall be 2" square with a wall thickness of 0.060". Horizontal rails shall be 1" x 1½" channels formed in a modified "U" shape with a top wall thickness of 0.055" and side wall thickness of 0.082". Pickets shall be ¾" square x 0.050" thick extruded tubing. Assembled sections shall be capable of supporting a 500 lb. vertical load at the midpoint of any horizontal rail. Gate posts shall be 4" square with 0.125" walls and used on both sides of a gate. Gates shall have welded frames capable of supporting a 250 pound vertical load on the latch side of the gate without deformation or failure. Gates shall be self-closing and self-latching.
- c. Fasteners: All fasteners shall be stainless steel. Hidden spring clips shall be used to connect the pickets to the horizontal rails. Rail to post connections shall be made using stainless steel inserts that are hidden inside the horizontal rails.
- d. Accessories: Aluminum sand and die casting shall be used for all scrolls, post caps, finials, and miscellaneous hardware. Die castings shall be made from Alloy A360.0 as per ASTM B85 for superior corrosion resistance.
- e. Coating: Fence materials shall be top coated with a TGIC polyester powder-coat finish. Epoxy powder coating, baked enamel or acrylic paint finishes will not be accepted. The finish shall have a cured film thickness of at least 2.0 mils. The fence top coat shall be colored black and any screw heads shall be painted to match the color of the fence.

Construction

The Contractor shall submit product samples for materials and finish, manufacturers' specifications, product data and installation instructions for all items furnished. No portion of the work shall commence until the Department has approved the submittal.

Install fence in accordance with manufacturer's instructions. The fence height shall be 48 inches at all locations, measured from ground elevation to top of top rail. Pickets shall meet flush with top and bottom rails. There shall be two horizontal rails in each section.

Pickets shall pass through holes punched in the rails and be fastened to the rails in accordance with the instructions of the manufacturer. Welding the pickets to the rails will not be permitted.

Posts shall have pre-punched holes which allow the fence section rails to slide in. Posts shall be spaced 72½" on center and have .060" walls. Die cast aluminum caps shall be provided with all posts.

Foundations for fence posts shall be cast-in-place Concrete Fill placed in approved forms. If wood forms are used, they shall be removed before backfilling. If fiber forms are used, they need not be removed. Foundation depth shall be a minimum of four feet and diameter shall be a minimum of twelve inches.

Method of Measurement

Pedestrian Fence will be measured by the linear foot, complete in place and accepted. Measurement will be along the gradient of the fence from outside of end post to outside of end post for each continuous run of fence, including gates.

Basis of Payment

The accepted quantity of Pedestrian Fence will be paid for at the Contract unit price per linear foot, which shall be full compensation for installing fencing, foundations, furnishing and installing all materials, labor, equipment and incidentals necessary to complete the work indicated on the plans and as called for in the contract. Clean-up and any other fence related items shall be incidental to Pedestrian Fence. Concrete Fill will be incidental to payment for Item 607.39.

Payment will be made under:

Pay Item

607.39 Pedestrian Fence

Pay Unit

Linear Foot

BIDITEMS

WIN 18622.00					
Watermain Replacement					
Item No.	Description	Unit	Quantity	Unit Price	Total
822.33	6" dia. CLDI 52 ductile iron pipe and fittings	l.f.	185		
822.34	8" dia. CLDI 52 ductile iron pipe and fittings	l.f.	1,440		
822.36	12" dia. CLDI 52 ductile iron pipe and fittings	l.f.	1,877		
823.311	12" dia. gate valve with box	ea.	8		
823.3251	8" dia. gate valve with box	ea.	12		
823.33	6" dia. gate valve with box	ea.	8		
823.3355	2" dia. gate valve with box	ea.	5		
824.30	Hydrant assembly	ea.	5		
825.32	2" dia. corporation	ea.	5		
825.321	1" dia. corporation	ea.	59		
825.3212	1½ Yz" dia. corporation	ea.	1		
825.331	1" dia. curb stop with box	ea.	59		
825.3312	1½ Yz" dia. curb stop with box	ea.	1		
825.422	2" dia. DRI 1 IPS HPDE water service	l.f.	145		
825.43	1" dia. copper service pipe	l.f.	1,480		
825.431	1½ Yz" dia. copper service pipe	l.f.	20		
825.541	Temporary water main	Ls.	1		
827.33	Trench insulation	l.f.	200		
843.021	8" dia. DR 11 DIPS HDPE water main	l.f.	50		
843.031	16" dia. Schedule 40 Railroad Sleeve	l.f.	40		
Total Bid Items					