



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

Janet T. Mills  
GOVERNOR

Bruce A. Van Note  
COMMISSIONER

March 10, 2022  
Subject: Bridge Replacements & Highway  
Intersection Reconstruction  
State WINs: 022511.01, 022512.01  
& 022950.01  
Location: **Old Town**  
**Amendment No. 1**

Dear Sir/Ms.:

Make the following changes to the Bid Documents:

In the Bid Book:

On page 14, NOTICE OF CONTRACTORS, **CHANGE** the bid opening date from **March 16, 2022** to read **March 30, 2022**. Make this change in pen and ink.

**REMOVE** the “Proposal Schedule of items” 16 pages, dated 2/2/2022 and **REPLACE** with the attached, revised “Proposal Schedule of Items” 17 pages dated 3/8/2022.

**ADD** to the Bid Book “SPECIAL PROVISION, SECTION 104-GENERAL RIGHTS & RESPONSIBILITIES (Wage Rate) one page, dated March 7, 2022.

In the Bid Book (page 67 to70) **REMOVE** “SPECIAL PROVISION, SECTION 105-GENERAL SCOPE OF WORK (Traffic Control) 4 pages, dated November 23, 2021 and **REPLACE** with the attached new “SPECIAL PROVISION, SECTION 105-GENERAL SCOPE OF WORK (Traffic Control) 4 pages, dated March 3, 2022.

In the Bid Book (page 79) **REMOVE** “SPECIAL PROVISION, SECTION 107-TIME (Supplemental Liquidated Damages) one page, dated October 14, 2021 and **REPLACE** with the attached new SPECIAL PROVISION, SECTION 107-TIME (Supplemental Liquidated Damages) one page, dated March 3, 2022.

In the Bid Book (page 156) **REMOVE** “SPECIAL PROVISION, SECTION 502-STRUCTURAL CONCRETE (QC/QA Acceptance Methods)” one page, dated November 23, 2021 and **REPLACE** with the attached new “SPECIAL PROVISION, SECTION 502-STRUCTURAL CONCRETE (QC/QA Acceptance Methods)” one page, dated March 8, 2022.

**ADD** to the Bid Book “Special Provision Section 604 – Manholes Inlets and Catch Basins (Stormwater Planter)” three pages, dated March 8, 2022.

In the plan set:

**REMOVE** SHEET NUMBER 2 OF 231, ESTIMATED QUANTITIES, dated 12/8/2021 and **REPLACE** with the attached revised SHEET NUMBER 2 OF, ESTIMATED QUANTITIES, dated 3/8/2022.

The following questions have been received:

**Question:** Special Provision Section 502 page (139-140) for “Class A2 Concrete...” discusses concrete for sidewalks and curbs as being Class A2. Special Provision Section 502 page 156 indicates 502.26 (Sidewalk Slab on Steel Bridges) is Class A and 502.49 (Curbs & Sidewalks) is Class S. Please clarify.

**Response:** Please refer to the new “SPECIAL PROVISION, SECTION 502-STRUCTURAL CONCRETE (QC/QA Acceptance Methods)” dated February 28, 2022.

**Question:** In the Bid Book Schedule of Items (pg. 31) item 812.162 quantity is listed as 40 ea. On the plan sheets (sheet 2 of 218) item 812.162 quantity is listed at 20ea (under Sewer) for a Project Total of 20 ea. Please clarify or correct this discrepancy.

**Response:** The correct quantity on the schedule of items is 20 each. Please refer to the revised “Proposal Schedule of Items” 17 pages dated 3/8/2022.

**Question:** In the Bid Book Schedule of Items (pg. 27) there is no Bid Item 626.271. There is a bid item 626.271 on the plans (sheet 2 of 218) with a quantity of 1 LS. Please clarify or correct this discrepancy.

**Response:** Item 626.271 has been added to the revised schedule of items.

**Question:** Special Provision Section 105 ( pg. 67) allows for a 2 hour road closure from 1-3 AM, but only allows for 45 minute durations, from Monday through Thursday. To allow for maximizing the work during the closure, versus opening the road for 5 minutes and disrupting the work to just shut it down again, would the Department consider allowing work in the full 2-hour window? It would be a more reasonable use of time for everyone for 15-20 minutes on each side of that will also be used setting up and taking down the closure. Also, it is likely that any travelling public at that time of night will be detouring themselves around the site. Please consider.

**Response:** The duration of the road closure has been increased to 90 minutes. Please refer to the attached new “SPECIAL PROVISION, SECTION 105-GENERAL SCOPE OF WORK (Traffic Control) dated March 3, 2022.

**Question:** Special Provision 107- 22950.01 dated Nov 19th, 2021. The date called out in paragraph one is August 31st, 2023. Is this date correct considering the date for contract completion is October 30<sup>th</sup>, 2025? If indeed it is 2023, would the Department consider changing to 2025 to allow more flexibility in the overall project schedule. Please consider.

**Response:** Yes, the date is correct. Changing the date will not be considered.

**Question:** Special Provision Section 105 (page 526-528) has Environmental requirements. In Section III for In-Water Pile driving activities. Please clarify what is intended as “impact hammer” driving? Will any of these requirements need to be met when using a vibratory hammer, or just be required during diesel hammer pile driving ? Bullet 11. States payment for implementing noise monitoring shall be made under 510.237, there is no item 501.237 in the schedule of items. Please clarify or correct. In Section IV. Bullet 7. States All In water excavation shall be completed in a cofferdam. Will it be required to install a cofferdam around the entire footprint of rip rap since this area is underwater and will need excavation? Or will it be acceptable to work behind a turbidity barrier for this work? If it is required, it will be nearly impossible to engulf the entire island area to meet this requirement and have a large impact on the project cost. Please clarify intent. Bullet 12. States demolition of concrete piers of the existing bridge will occur within containment such as turbidity curtains. Should this bullet also include abutment demolition? Should this bullet also include rip rap excavation and installation? Please clarify what measures are acceptable for this work.

**Response:** The use of a vibratory hammer does not require the use of noise attenuation and underwater noise monitoring. A turbidity curtain can be used for riprap installation as long as no excavation is required; it is anticipated that riprap can be placed without the need to excavate. The sequence of operations for the existing abutment removal may be such that if no excavation of existing substrate is required in the water a turbidity curtain shall be used. A cofferdam shall be required, if the sequence of operations for the existing abutment removal involves excavation of existing substrate in the water. Item 501.237 Noise Attenuation and Underwater Noise Monitor 1 LS will be added to the schedule of items. Please refer to the new schedule of items.

**Question:** Does the Department have any information on whether there are spirals or shear connectors associated with existing Bridge No. 2?

**Response:** The Department does not know what type of connectors are used on the existing Bridge No. 2. Sheet 9 of 18 of the existing bridge plans dated Jan. 1951 only show spiral connectors on the plans for Bridge No. 1.

**Question:** Would the department consider extending the bid date two weeks to March 30, 2022?

**Response:** The bid opening date will be moved out two weeks from March 16, 2022 to March 30, 2022.

**Question:** Section 104 Wage Rates. (When two or more wage rate schedules appear in the bid Book, the highest rate shall prevail for each classification.) Looking for clarification on wage rates. With the Heavy & Bridge rates being the highest will they be used for the entire project?

**Response:** Please refer to the new "SPECIAL PROVISION, SECTION 104-GENERAL SCOPE OF WORK (Wage Rate) 1page dated March 7, 2022

**Question:** Seal Cofferdam Note 4 on Sheet 194 states that the depth of the concrete seal is based on a water elevation of 97.4. The top of the seal is shown on Sheet 195 to be at EL. 81. The bottom of the seal is shown on both Sheets 194 and 195 to be at EL. 73.5. This gives a seal thickness of 7.5 ft. The Maine Bridge Design Guide Section 5.2.2 gives the required depth of seal concrete to be:  $Y = 62.5 \times Z / 145$  where Y equals the seal thickness, and Z equals the distance from the water surface to the bottom of the seal, in this case 23.9 ft. This formula gives a required seal thickness of:  $62.5 \times 23.9 / 145 = 10.3$  ft. This would place the top of seal at el 83.8. Should the top of seal be raised or should other means be found to give a factor of safety of 1.0 against buoyancy?

**Response:** The design method given in the Maine Bridge Design Guide 5.2.2 is a simplified procedure involving simply balancing concrete weight and buoyancy pressure. A more in-depth design procedure was utilized for this project.

**Question:** Under which bid item is the stormwater planter replacement paid for?

**Response:** The stormwater planter will be paid for under Item 604.2406 – Stormwater Planter. Please see the attach Special Provision Section 604 – Manholes Inlets and Catch Basins (Stormwater Planter), revised schedule of items, and revised Sheet 2 – Estimated Quantities.

**Question:** Please provide a detail for bid item 513.22 Crushed stone slope protection.

**Response:** Item 513.22 Crushed Stone Slope Protection shall consist of a 12-inch-thick layer of crushed stone. The stone size shall be in accordance with the SPECIAL PROVISION SECTION 513 Slope Protection dated November 16, 2021.

**Question:** The specifications call for item 626.271 5 Inch Diameter Utility Conduit System, Temporary which appears to be missing from the bid item list. Please advise.

**Response:** Item 626.271 5 Inch Diameter Utility Conduit System, Temporary will be added. Please refer to the updated schedule of items.

**Question:** Special provision 203 Excavation and Embankment of Dredge Spoils states that approximately 16 cubic yards of dredge will be excavated. Will all structural excavation within the Pier footprint including rocks less than 12 inches be classified as Dredge Material?

**Response:** The Maine DEP has determined that sound boulders (rock 12-inches or more in diameter), that are free of adhering sediment or other contaminants, shall be deemed as Inert Fill material and shall not be included in Dredge Material Quantities.

**Question:** Will removal of the rough-cut granite masonry pier stones encountered within the footprint of the new Pier be paid as Structural Rock excavation?

**Response:** Please refer to pier excavation note #2 on sheet 194 of the plans.

**Question:** With the complicated nature of this project, would the department consider postponing the bid opening 3 weeks?

**Response:** The bid opening date will be moved out two weeks from March 16, 2022 to March 30, 2022.

Consider these changes and information prior to submitting your bid on **March 30, 2022**.

Sincerely,



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

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022511.01

Project(s): 022511.01, 022512.01, 022950.01

SECTION: 1

Old Town, Br. #2 - WIN 22511.01

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	201.11 CLEARING	1.000 AC	_____	 _____	_____	 _____
0020	201.23 REMOVING SINGLE TREE TOP ONLY	25.000 EA	_____	 _____	_____	 _____
0030	201.24 REMOVING STUMP	26.000 EA	_____	 _____	_____	 _____
0040	202.08 REMOVING BUILDING NO.: Old Mill Road 70+42lt	LUMP SUM		 LUMP SUM	_____	 _____
0050	202.08 REMOVING BUILDING NO.: Stillwater Ave, 35+30lt	LUMP SUM		 LUMP SUM	_____	 _____
0060	202.11 REMOVING PORTLAND CEMENT CONCRETE PAVEMENT	2,700.000 SY	_____	 _____	_____	 _____
0070	202.15 REMOVING EXISTING MANHOLE OR CATCH BASIN	13.000 EA	_____	 _____	_____	 _____
0080	202.19 REMOVING EXISTING BRIDGE STILLWATER NO.1	LUMP SUM		 LUMP SUM	_____	 _____
0090	202.19 REMOVING EXISTING BRIDGE STILLWATER NO.2	LUMP SUM		 LUMP SUM	_____	 _____
0100	202.202 REMOVING PAVEMENT SURFACE	3,900.000 SY	_____	 _____	_____	 _____
0110	202.203 PAVEMENT BUTT JOINTS	1,160.000 SY	_____	 _____	_____	 _____
0120	203.20 COMMON EXCAVATION	14,830.000 CY	_____	 _____	_____	 _____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0130	203.2318 DISPOSAL OF SPECIAL WASTE	33.000 T	_____	 _____	_____	 _____
0140	203.25 GRANULAR BORROW	5,450.000 CY	_____	 _____	_____	 _____
0150	203.35 CRUSHED STONE 3/4 INCH	98.000 CY	_____	 _____	_____	 _____
0160	206.082 STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	2,700.000 CY	_____	 _____	_____	 _____
0170	206.092 STRUCTURAL ROCK EXCAVATION - MAJOR STRUCTURES	200.000 CY	_____	 _____	_____	 _____
0180	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	12,640.000 CY	_____	 _____	_____	 _____
0190	304.14 AGGREGATE BASE COURSE - TYPE A	15.000 CY	_____	 _____	_____	 _____
0200	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	2,508.000 T	_____	 _____	_____	 _____
0210	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	612.000 T	_____	 _____	_____	 _____
0220	403.211 HOT MIX ASPHALT (SHIMMING)	1,100.000 T	_____	 _____	_____	 _____
0230	403.213 HOT MIX ASPHALT 12.5 MM BASE	2,820.000 T	_____	 _____	_____	 _____
0240	409.15 BITUMINOUS TACK COAT - APPLIED	2,513.000 G	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0250	461.131 TEMPORARY PAVEMENT	420.000 T	_____	 _____	_____	 _____
0260	501.237 NOISE ATTENUATION AND UNDERWATER NOISE MONITORING	LUMP SUM	LUMP SUM		_____	 _____
0270	501.502 ROCK SOCKETED H-PILES	324.000 LF	_____	 _____	_____	 _____
0280	501.54 STEEL H-BEAM PILES 117 LBS/FT, DELIVERED	364.000 LF	_____	 _____	_____	 _____
0290	501.804 DRILLING EQUIPMENT MOBILIZATION	LUMP SUM	LUMP SUM		_____	 _____
0300	502.219 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS	LUMP SUM	LUMP SUM		_____	 _____
0310	502.239 STRUCTURAL CONCRETE PIERS	LUMP SUM	LUMP SUM		_____	 _____
0320	502.24 STRUCTURAL CONCRETE PIERS (PLACED UNDER WATER)	190.000 CY	_____	 _____	_____	 _____
0330	502.26 STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLABS ON STEEL BRIDGES	LUMP SUM	LUMP SUM		_____	 _____
0340	502.31 STRUCTURAL CONCRETE APPROACH SLABS	LUMP SUM	LUMP SUM		_____	 _____
0350	502.49 STRUCTURAL CONCRETE CURBS AND SIDEWALKS	LUMP SUM	LUMP SUM		_____	 _____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0360	502.77 FIBER REINFORCED POLYMER BRIDGE DRAIN - TYPE: B	6.000 EA	_____	 _____	_____	 _____
0370	502.77 FIBER REINFORCED POLYMER BRIDGE DRAIN - TYPE: F	6.000 EA	_____	 _____	_____	 _____
0380	503.12 REINFORCING STEEL, FABRICATED AND DELIVERED	101,450.000 LB	_____	 _____	_____	 _____
0390	503.13 REINFORCING STEEL, PLACING	101,450.000 LB	_____	 _____	_____	 _____
0400	503.26 STAINLESS STEEL REINFORCEMENT - FABRICATED & DELIVERED	182,900.000 LB	_____	 _____	_____	 _____
0410	503.27 STAINLESS STEEL REINFORCEMENT - PLACING	182,900.000 LB	_____	 _____	_____	 _____
0420	504.702 STRUCTURAL STEEL FABRICATED AND DELIVERED, WELDED	LUMP SUM		LUMP SUM	_____	 _____
0430	504.71 STRUCTURAL STEEL ERECTION	LUMP SUM		LUMP SUM	_____	 _____
0440	505.08 SHEAR CONNECTORS	LUMP SUM		LUMP SUM	_____	 _____
0450	506.9104 THERMAL SPRAY COATING - SHOP APPLIED	LUMP SUM		LUMP SUM	_____	 _____
0460	507.08161 STEEL APPROACH RAILING, 4 BAR	4.000 EA	_____	 _____	_____	 _____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0470	507.0821 STEEL BRIDGE RAILING, 3 BAR	LUMP SUM	LUMP	SUM	_____	_____
0480	507.0822 STEEL APPROACH RAILING, 3-BAR	4.000 EA	_____	_____	_____	_____
0490	507.0831 STEEL BRIDGE RAILING, 4 BAR	LUMP SUM	LUMP	SUM	_____	_____
0500	508.14 HIGH PERFORMANCE WATERPROOFING MEMBRANE	LUMP SUM	LUMP	SUM	_____	_____
0510	510.12 SPECIAL DETOUR ___ FOOT ROADWAY WIDTH, VEHICULAR AND PEDESTRIAN TRAFFIC SEPARATED 30FT RDWY 5FT SW	LUMP SUM	LUMP	SUM	_____	_____
0520	511.07 COFFERDAM: Bridge 1 Abutment No. 1	LUMP SUM	LUMP	SUM	_____	_____
0530	511.07 COFFERDAM: Bridge 1 Abutment No. 2	LUMP SUM	LUMP	SUM	_____	_____
0540	511.07 COFFERDAM: Bridge 2, Abutment No. 1	LUMP SUM	LUMP	SUM	_____	_____
0550	511.07 COFFERDAM: Bridge 2, Abutment No. 2	LUMP SUM	LUMP	SUM	_____	_____
0560	511.07 COFFERDAM: Bridge 2, Pier No. 1	LUMP SUM	LUMP	SUM	_____	_____
0570	513.22 CRUSHED STONE SLOPE PROTECTION	100.000 SY	_____	_____	_____	_____
0580	515.21 PROTECTIVE COATING FOR CONCRETE SURFACES	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0590	519.60 EXPANSION DEVICE - ASPHALTIC PLUG JOINT	171.000 LF	_____	 _____	_____	 _____
0600	523.52 BEARING INSTALLATION	6.000 EA	_____	 _____	_____	 _____
0610	523.5401 LAMINATED ELASTOMERIC BEARINGS, FIXED	6.000 EA	_____	 _____	_____	 _____
0620	527.34 WORK ZONE CRASH CUSHIONS	4.000 UN	_____	 _____	_____	 _____
0630	603.159 12 INCH CULVERT PIPE OPTION III	84.000 LF	_____	 _____	_____	 _____
0640	603.165 15 INCH REINFORCED CONCRETE PIPE CLASS III	40.000 LF	_____	 _____	_____	 _____
0650	603.175 18 INCH REINFORCED CONCRETE PIPE CLASS III	108.000 LF	_____	 _____	_____	 _____
0660	603.179 18 INCH CULVERT PIPE OPTION III	169.000 LF	_____	 _____	_____	 _____
0670	604.072 CATCH BASIN TYPE A1-C	12.126 EA	_____	 _____	_____	 _____
0680	604.092 CATCH BASIN TYPE B1-C	11.000 EA	_____	 _____	_____	 _____
0690	604.164 REBUILDING CATCH BASIN	4.000 EA	_____	 _____	_____	 _____
0700	604.18 ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	10.000 EA	_____	 _____	_____	 _____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0710	604.2406 STORMWATER PLANTER	1.000 EA	_____	 _____	_____	 _____
0720	604.245 CATCH BASIN TYPE F4-C	2.000 EA	_____	 _____	_____	 _____
0730	604.247 CATCH BASIN TYPE F5-C	1.000 EA	_____	 _____	_____	 _____
0740	604.249 CATCH BASIN TYPE F6-C	1.000 EA	_____	 _____	_____	 _____
0750	604.252 CATCH BASIN TYPE A5-C	4.126 EA	_____	 _____	_____	 _____
0760	604.262 CATCH BASIN TYPE B5-C	2.000 EA	_____	 _____	_____	 _____
0770	605.09 6 INCH UNDERDRAIN TYPE B	2,150.000 LF	_____	 _____	_____	 _____
0780	605.11 12 INCH UNDERDRAIN TYPE C	1,700.000 LF	_____	 _____	_____	 _____
0790	605.12 15 INCH UNDERDRAIN TYPE C	140.000 LF	_____	 _____	_____	 _____
0800	606.1301 31" W-BM GR, MID-WAY SPLICE-SGL FACED	413.000 LF	_____	 _____	_____	 _____
0810	606.1303 31" W-BM GR, MID-WAY SPLICE-15' RAD AND LESS	100.000 LF	_____	 _____	_____	 _____
0820	606.1721 BRIDGE TRANSITION - TYPE 1	8.000 EA	_____	 _____	_____	 _____
0830	606.259 ANCHORAGE ASSEMBLY	4.000 EA	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0840	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	4.000 EA	_____	 _____	_____	 _____
0850	606.356 UNDERDRAIN DELINEATOR POST	4.000 EA	_____	 _____	_____	 _____
0860	606.47 SINGLE WOOD POST	6.000 EA	_____	 _____	_____	 _____
0870	606.51 MULTIPLE MAILBOX SUPPORT	4.000 EA	_____	 _____	_____	 _____
0880	607.291 REMOVE AND RESET STONE WALL	10.000 LF	_____	 _____	_____	 _____
0890	607.42 ORNAMENTAL PICKET FENCE	72.000 LF	_____	 _____	_____	 _____
0900	608.26 CURB RAMP DETECTABLE WARNING FIELD	270.000 SF	_____	 _____	_____	 _____
0910	609.11 VERTICAL CURB TYPE 1	4,940.000 LF	_____	 _____	_____	 _____
0920	609.12 VERTICAL CURB TYPE 1 - CIRCULAR	360.000 LF	_____	 _____	_____	 _____
0930	609.221 TERMINAL CURB TYPE 1	660.000 LF	_____	 _____	_____	 _____
0940	609.222 TERMINAL CURB TYPE 1 - CIRCULAR	130.000 LF	_____	 _____	_____	 _____
0950	609.31 CURB TYPE 3	1,650.000 LF	_____	 _____	_____	 _____
0960	609.34 CURB TYPE 5	190.000 LF	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0970	609.35 CURB TYPE 5 - CIRCULAR	140.000 LF	_____	 _____	_____	 _____
0980	610.08 PLAIN RIPRAP	260.000 CY	_____	 _____	_____	 _____
0990	610.16 HEAVY RIPRAP	4,700.000 CY	_____	 _____	_____	 _____
1000	610.18 STONE DITCH PROTECTION	26.000 CY	_____	 _____	_____	 _____
1010	613.319 EROSION CONTROL BLANKET	52.000 SY	_____	 _____	_____	 _____
1020	615.07 LOAM	905.000 CY	_____	 _____	_____	 _____
1030	618.13 SEEDING METHOD NUMBER 1	71.000 UN	_____	 _____	_____	 _____
1040	619.12 MULCH	71.000 UN	_____	 _____	_____	 _____
1050	619.14 EROSION CONTROL MIX	10.000 CY	_____	 _____	_____	 _____
1060	620.58 EROSION CONTROL GEOTEXTILE	4,580.000 SY	_____	 _____	_____	 _____
1070	620.60 SEPARATION GEOTEXTILE	2,000.000 SY	_____	 _____	_____	 _____
1080	620.66 DRAINAGE GEOCOMPOSITE	370.000 SY	_____	 _____	_____	 _____
1090	626.11 PRECAST CONCRETE JUNCTION BOX	9.000 EA	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
1100	626.22 NON-METALLIC CONDUIT	525.000 LF	_____	_____	_____	_____
1110	626.221 NON-METALLIC CONDUIT CONCRETE ENCASED	55.000 LF	_____	_____	_____	_____
1120	626.251 NON-METALLIC UNDER PAVEMENT CONDUIT (SCHEDULE 80 OR GREATER RATING)	450.000 LF	_____	_____	_____	_____
1130	626.26 3" DIAMETER UTILITY CONDUIT SYSTEM, TEMPORARY	1.000 LS	_____	_____	_____	_____
1140	626.271 5 INCH DIAMETER UTILITY CONDUIT SYSTEM, TEMPORARY	1.000 LS	_____	_____	_____	_____
1150	626.35 CONTROLLER CABINET FOUNDATION	2.000 EA	_____	_____	_____	_____
1160	626.36 REMOVE OR MODIFY CONCRETE FOUNDATION	3.000 EA	_____	_____	_____	_____
1170	626.421 24 INCH DIAMETER FOUNDATION	77.000 LF	_____	_____	_____	_____
1180	626.451 42 INCH DIAMETER FOUNDATION	42.000 LF	_____	_____	_____	_____
1190	626.46 48 INCH DIAMETER FOUNDATION	23.000 LF	_____	_____	_____	_____
1200	626.48 60 INCH DIAMETER FOUNDATION	26.000 LF	_____	_____	_____	_____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022511.01

Project(s): 022511.01, 022512.01, 022950.01

SECTION: 1

Old Town, Br. #2 - WIN 22511.01

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
1210	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	20,000.000 LF	_____	 _____	_____	 _____
1220	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	4,225.000 SF	_____	 _____	_____	 _____
1230	627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	20,000.000 LF	_____	 _____	_____	 _____
1240	627.94 PREFORMED THERMOPLASTIC PAVEMENT MARKING	35.000 SF	_____	 _____	_____	 _____
1250	629.05 HAND LABOR, STRAIGHT TIME	123.000 HR	_____	 _____	_____	 _____
1260	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	123.000 HR	_____	 _____	_____	 _____
1270	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	200.000 HR	_____	 _____	_____	 _____
1280	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	40.000 HR	_____	 _____	_____	 _____
1290	639.18 FIELD OFFICE TYPE A	1.000 EA	_____	 _____	_____	 _____
1300	642.15 PRECAST CONCRETE STEPS	1.000 EA	_____	 _____	_____	 _____
1310	643.21 NON-INVASIVE DETECTION - STOP LINE: Stillwater Ave & Bennoch Road	LUMP SUM		 LUMP SUM	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

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SECTION: 1

Old Town, Br. #2 - WIN 22511.01

Alt Set ID:

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Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1320	643.21 NON-INVASIVE DETECTION - STOP LINE: Stillwater Ave & College Ave	LUMP SUM	LUMP	SUM	_____	_____
1330	643.71 TRAFFIC SIGNAL MODIFICATION Stillwater Ave at Bennoch Rd	LUMP SUM	LUMP	SUM	_____	_____
1340	643.71 TRAFFIC SIGNAL MODIFICATION Stillwater Ave at College Ave	LUMP SUM	LUMP	SUM	_____	_____
1350	643.72 TEMPORARY TRAFFIC SIGNAL Stillwater at Bennoch Rd	LUMP SUM	LUMP	SUM	_____	_____
1360	643.72 TEMPORARY TRAFFIC SIGNAL Stillwater at College Ave	LUMP SUM	LUMP	SUM	_____	_____
1370	643.91 MAST ARM POLE 25' Arm	3.000 EA	_____	_____	_____	_____
1380	643.91 MAST ARM POLE 33' Arm	1.000 EA	_____	_____	_____	_____
1390	643.91 MAST ARM POLE 35' Arm	2.000 EA	_____	_____	_____	_____
1400	643.91 MAST ARM POLE 40' Arm	1.000 EA	_____	_____	_____	_____
1410	643.91 MAST ARM POLE 50' Arm	1.000 EA	_____	_____	_____	_____
1420	643.92 PEDESTAL POLE	11.000 EA	_____	_____	_____	_____
1430	645.103 DEMOUNT GUIDE SIGN	31.000 EA	_____	_____	_____	_____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022511.01

Project(s): 022511.01, 022512.01, 022950.01

SECTION: 1

Old Town, Br. #2 - WIN 22511.01

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
1440	645.106 DEMOUNT REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	66.000 EA	_____	 _____	_____	 _____
1450	645.108 DEMOUNT POLE	2.000 EA	_____	 _____	_____	 _____
1460	645.113 REINSTALL GUIDE SIGN	13.000 EA	_____	 _____	_____	 _____
1470	645.116 REINSTALL REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	29.000 EA	_____	 _____	_____	 _____
1480	645.251 ROADSIDE GUIDE SIGNS, TYPE I	104.000 SF	_____	 _____	_____	 _____
1490	645.271 REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS, TYPE I	248.000 SF	_____	 _____	_____	 _____
1500	645.512 LED BLANK-OUT SIGN, OVERHEAD MOUNT	1.000 EA	_____	 _____	_____	 _____
1510	652.312 TYPE III BARRICADE	6.000 EA	_____	 _____	_____	 _____
1520	652.33 DRUM	160.000 EA	_____	 _____	_____	 _____
1530	652.34 CONE	250.000 EA	_____	 _____	_____	 _____
1540	652.35 CONSTRUCTION SIGNS	1,500.000 SF	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022511.01

Project(s): 022511.01, 022512.01, 022950.01

SECTION: 1

Old Town, Br. #2 - WIN 22511.01

Alt Set ID:

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Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1550	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	991.000 CD	_____	 _____	_____	 _____
1560	652.38 FLAGGER	15,220.000 HR	_____	 _____	_____	 _____
1570	652.381 TRAFFIC OFFICER	40.000 HR	_____	 _____	_____	 _____
1580	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	8.000 EA	_____	 _____	_____	 _____
1590	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM		 LUMP SUM	_____	 _____
1600	658.20 ACRYLIC LATEX COLOR FINISH, GREEN	115.000 SY	_____	 _____	_____	 _____
1610	659.10 MOBILIZATION	LUMP SUM		 LUMP SUM	_____	 _____
1620	660.21 ON-THE-JOB TRAINING (BID)	1,000.000 HR	_____	 _____	_____	 _____
1630	801.03 TEST PITS	7.000 EA	_____	 _____	_____	 _____
1640	801.04 PREINSULATED SEWER PIPE	280.000 LF	_____	 _____	_____	 _____
1650	801.071 TEMPORARY SEWER BY-PASS	LUMP SUM		 LUMP SUM	_____	 _____
1660	801.133 6" FORCE MAIN	80.000 LF	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022511.01

Project(s): 022511.01, 022512.01, 022950.01

SECTION: 1

Old Town, Br. #2 - WIN 22511.01

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
1670	801.141 4" PVC SANITARY SEWER (SDR-35)	20.000 LF	_____	_____	_____	_____
1680	801.16 6 INCH PVC SANITARY SEWER (SDR-35)	20.000 LF	_____	_____	_____	_____
1690	812.162 ADJUSTING SEWER MANHOLE TO GRADE	20.000 EA	_____	_____	_____	_____
1700	822.322 6 INCH DUCTILE IRON PIPE	950.000 LF	_____	_____	_____	_____
1710	822.35 10 INCH CLASS 52 DUCTILE IRON PIPE	15.000 LF	_____	_____	_____	_____
1720	822.36 12 INCH DUCTILE IRON PIPE	1,065.000 LF	_____	_____	_____	_____
1730	822.37 16 " DUCTILE IRON PIPE	396.000 LF	_____	_____	_____	_____
1740	823.31 12 INCH GATE VALVE	3.000 EA	_____	_____	_____	_____
1750	823.331 6 INCH GATE VALVE	6.000 EA	_____	_____	_____	_____
1760	823.374 16 " GATE VALVE	2.000 EA	_____	_____	_____	_____
1770	824.30 FIRE HYDRANT	5.000 EA	_____	_____	_____	_____
1780	824.31 REMOVE FIRE HYDRANT	5.000 EA	_____	_____	_____	_____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022511.01

Project(s): 022511.01, 022512.01, 022950.01

SECTION: 1

Old Town, Br. #2 - WIN 22511.01

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
1790	824.32 REMOVE/RESET HYDRANT	1.000 EA	_____	 _____	_____	 _____
1800	825.4222 2" HDPE CTS SERVICE	90.000 LF	_____	 _____	_____	 _____
1810	825.43 1" COPPER SERVICE	870.000 LF	_____	 _____	_____	 _____
1820	825.5411 TEMPORARY WATER MAIN	LUMP SUM	LUMP SUM		_____	 _____
1830	827.30 ROCK EXCAVATION- REMOVE AND REFILL	20.000 CY	_____	 _____	_____	 _____
1840	827.304 TRENCH ROCK EXCAVATION	100.000 CY	_____	 _____	_____	 _____
1850	827.31 UNSUITABLE SOIL EXCAVATION, REMOVE AND REFILL- ABOVE GRADE	100.000 CY	_____	 _____	_____	 _____
1860	827.312 SELECT BACKFILL	70.000 CY	_____	 _____	_____	 _____
1870	827.321 ABANDON EXISTING WATER MAIN IN PLACE	LUMP SUM	LUMP SUM		_____	 _____
1880	827.331 TRENCH INSULATION	700.000 SY	_____	 _____	_____	 _____
1890	830.10 WATER MAIN BRIDGE CROSSING	LUMP SUM	LUMP SUM		_____	 _____
1900	830.13 SEWER MAIN BRIDGE CROSSING	LUMP SUM	LUMP SUM		_____	 _____
<b>Section: 1</b>			<b>Total:</b>		_____	 _____

**Total Bid:** \_\_\_\_\_!

**SPECIAL PROVISION**  
**SECTION 104**  
**GENERAL RIGHTS & RESPONSIBILITIES**  
**(Wage Rate)**

Bridge Replacements:

Stillwater Bridge #1, Bridge #1472, WIN 022512.01

Stillwater Bridge #2, Bridge #2806, WIN 022511.01

State Wage is Heavy & Bridge for Penobscot County  
Federal wage is Highway for Penobscot County

Highway Reconstruction WIN 022950.01:

State wage Rate is Highway and Earth for Penobscot County  
Federal wage rate is Highway for Penobscot County

The wage rate used in each Trade will be the highest of the designated Federal or State for each scope.

**SPECIAL PROVISION**  
**SECTION 105**  
**GENERAL SCOPE OF WORK**  
(Traffic Control)

Subsection 105.3 Traffic Control and Maintenance shall be amended by the addition of the following:

**Vehicular Traffic:**

Two lanes of vehicular traffic, one in each direction, shall be maintained at all times on Stillwater Avenue and College Avenue with a minimum total width of 24 feet split evenly except as allowed below:

1. Road closures of Stillwater Avenue will be allowed at night with a maximum duration of 90 minutes between the hours of 1 am and 3 am beginning Monday morning through Thursday morning to allow for the removal of the existing steel beams, delivery and erection of the new structural steel beams, utility work or other work as approved by the Resident. Traffic officers shall be used during night time road closures. The Contractor shall provide a minimum of 3 days of advanced notice of road closures. Messages shall be displayed on variable message boards located on Stillwater Avenue at both ends of the bridge. The Contractor shall contact the following entities a minimum of 3 days in advanced of any road closure:
  - a) MaineDOT Region 4 Office
  - b) MaineDOT Transportation Management Center (TCM)
  - c) Old Town Police
  - d) Old Town Fire Department
  - e) Orono Police
  - f) Orono Fire Department
  - g) University of Maine Police Department
  - h) Maine State Police Troop E
  - i) Penobscot County Regional Communications Center (207-945-4636)
  - j) Penobscot County Sheriff's office
  - k) Bureau of Maine Vehicles – Over size/Overweight Permits

A nighttime road closure shall not be started if emergency services have been dispatched along Stillwater Avenue. The Contractor shall check with the Penobscot County Regional Communications before any road closures.

2. Stillwater Avenue and College Avenue can be reduced to a single 12' wide traffic lane at night between the hours of 7 pm and 7 am using flaggers. The maximum total length of the work zone along Stillwater Avenue shall be as follows:
  - a. 2,500 feet between 7 pm and 7 am

The Contractor shall keep all traffic lanes and turn lanes in operations during the following major events at the University of Maine.

1. University of Maine Hello Weekend starting at 6 am on the Friday of Hello Weekend and ending on Sunday at 6 pm. Hello Weekend is typically the last weekend of August before school starts.
2. University of Maine Commencement/Graduation Weekend between 1 pm Friday and 7 pm Saturday. Commencement is typically the second weekend in May.
3. University of Maine Homecoming Weekend starting at 8 am on the Saturday of Homecoming Day and ending the same day at 8 pm. Homecoming is usually held the 2<sup>nd</sup> or 3<sup>rd</sup> weekend in October.
4. All University of Maine home hockey games at Alford Arena starting 2 hours before the game start time to 2 hours after the game is over including any overtime.
5. All University of Maine home football games at the Harold Alford Sports Stadium starting 5 hours before the games start time to 2 hours after the game is over including any overtime.
6. Any high school state championships sponsored by the Maine Principals Association (MPA) held at the University of Maine. The Contractor shall contact the Maine Principals Association (207-622-1513) to confirm the date and times for any future championships.

The Contractor shall coordinate with the University of Maine to confirm the exact dates of these events a minimum of 1 month in advance. The Contractor shall inform the Resident in writing of the exact dates of these major events.

The Contractor shall cease all operations and have all travel lanes open to traffic and the roadway in safe operating condition during the following holidays:

Memorial Day Weekend

Friday at noon to Monday at 8 pm

1. May 27 - 30, 2022
2. May 26 - 29, 2023
3. May 24 - 27, 2024
4. May 23 - 26, 2025

July 4<sup>th</sup> Weekend

July 3<sup>rd</sup> at 3 pm to July 5<sup>th</sup> at 6 am

Labor Day Weekend

Friday at noon to Monday at 8 pm

1. September 2 - 5, 2022
2. September 1 - 4, 2023
3. August 30 – September 2, 2024
4. August 29 – September 1, 2025

Thanksgiving Weekend

November 24<sup>th</sup> at noon to November 25<sup>th</sup> at 8 pm

Christmas

December 24<sup>th</sup> at noon to December 25<sup>th</sup> at 8 pm

**Vehicular Traffic at Intersections**

**Stillwater Avenue and College Avenue Intersection:**

College Avenue between the hours of 2 pm and 6 pm between station 82+00 and station 85+35 shall have a total of three traffic lanes. One lane for eastbound traffic to Orono and two lanes westbound traffic. The westbound right lane shall be a thru and right turn lane. The westbound left lane shall be a left turn only lane.

Stillwater Avenue between the hours of 2 pm and 6 pm between station 33+00 and station 35+10 shall have a total of three traffic lanes. One lane for westbound traffic and two lanes for eastbound traffic. The eastbound right lane shall be a right turn only lane. The eastbound left lane shall be a left turn and a thru lane.

**Stillwater Avenue and Bennoch Road Intersection:**

Stillwater Avenue between the hours of 2 pm and 6 pm between station 8+00 and station 11+00 shall have a total of three traffic lanes. One lane for westbound traffic and

two lanes for eastbound traffic. The eastbound right lane shall be a thru and right turn. The eastbound left lane shall be a left turn lane.

**Pedestrian Traffic:**

A 5' wide ADA compliant sidewalk shall be maintained at all times within the project limits. If a temporary cross walk is installed, rapid flashing beacons shall be installed and operational before pedestrians make use of the temporary crosswalk. The rapid flashing beacons shall be furnished and installed in accordance with Special Provision 634 LED Pedestrian Crosswalk Beacon.

**Access to adjacent property owners:**

The Contractor shall maintain access at all times to the Brookfield dam property located at station 9+25 right. During work on Brookfield's driveway itself or drainage in front of the driveway, the Contractor shall be able to provide access within twenty (20) minutes. Access to the driveway for the Riverside House of Pizza at station 21+06 right shall be maintained while traffic uses the Special Detour.

**SPECIAL PROVISION**  
**SECTION 107**  
**TIME**  
(Supplemental Liquidated Damages)

The Contractor will be assessed supplemental liquidated damages at the rate of \$1000 per each 15 minutes, or any part thereof, for not reopening Stillwater Avenue after the allotted maximum duration of 90 minutes for road closures as specified in Section 105.

The Contractor will be assessed supplemental liquidated damages at the rate of \$1,000 per day, or any portion of a day, that traffic has not been transferred off of the temporary detour and on to the new bridge after May 22, 2025.

Assessment of supplemental liquidated damages will be in addition to the liquidated damages specified in Section 107 of the Standard Specifications.

**SPECIAL PROVISION**  
**SECTION 502**  
**STRUCTURAL CONCRETE**  
 (QC/QA Acceptance Methods)

CLASS OF CONCRETE	ITEM NUMBER	DESCRIPTION	P	METHOD
A	502.219	Structural Concrete, Abutments and Retaining Walls	\$400	A
A	502.239	Structural Concrete Piers	\$400	A
A	502.26	Structural Concrete Roadway and Sidewalk Slab on Steel Bridges	\$400	A
A	502.31	Structural Concrete Approach Slab	-	C
A2	502.49	Structural Concrete Curb and Sidewalks	\$400	A
S	502.249	Structural Concrete Piers (placed under water)	-	C
A	608.26	Curb Ramp Detectable Warning Field	-	C
A	626.35	Controller Cabinet Foundation	-	C
LP	626.421	24-Inch Foundation	-	C
LP	626.451	42-Inch Foundation	-	C
LP	626.46	48-Inch Foundation	-	C
LP	626.48	60-Inch Foundation	-	C

P Values listed above reflect the price per cubic yard (yd<sup>3</sup>) for pay adjustment purposes. Pay adjustments will be in accordance with the Standard Specification Section 502.195.

**SPECIAL PROVISION**  
**SECTION 604**  
**MANHOLES INLETS AND CATCH BASINS**  
(Stormwater Planter)

Description

This work shall consist of the construction of a stormwater planter to treat highway runoff using a concrete vault, solid and perforated pipe, crushed stone/pea gravel, and bioretention soil media (BSM) at a location designated on the plans and as specified in the typical plan and cross-section details.

Materials

All materials for stormwater planters shall meet the requirements of the following Sections of the Standard Specifications except as provided below:

Fine Aggregate for Concrete	703.01
Underdrain Pipe	706.06,706.09
Precast Concrete Units	712.06

**Bioretention Soil Media (BSM)** shall consist of a well-blended mixture, by volume, of 80% sand and 20% stable compost.

Sand - shall be clean, natural sand or sands manufactured by crushing stone that meets the gradation for 703.01 Fine Aggregate for Concrete. No other specifications listed in 703.01 are required.

Compost - The compost shall be produced at a licensed facility as specified under the State of Maine Department of Environmental Protection Chapter 410: Composting Facilities that regulate Solid Waste Facilities. The composting facility shall certify that it follows guidelines and procedures for production of compost and meet the environmental standards of Chapter 410.

Compost shall be produced by the aerobic (biological) and biochemical decomposition of source separated organic materials. Compost shall not be derived from mixed municipal solid waste and must be reasonably free of visible contaminants. Compost shall not contain paint, petroleum products, pesticides, industrial residuals or any other chemical residues harmful to animal life or plant growth. Compost shall not possess objectionable odors.

Compost shall be derived from a mixture of the following feedstock materials:

- Green material consisting of chipped, shredded, or ground vegetation, or clean processed recycled wood products (MDEP Type IA, IB)
- Manure
- Mixed food waste (MDEP Type IB, IC)
- Biosolids (MDEP Type II)

Compost Parameters

Acidity range: 6.0 pH to

8.0 pH. Moisture content: 30-60% wet weight basis  
 Organic content: 25-65% dry weight basis  
 Particle Size: (% dry weight basis)  
     100% passing 2”  
     90-100% passing 1”  
     70-100% passing 1/2”  
     30-75% passing 1/4”  
 Physical Contaminant: <1 % (man-made inerts, dry weight basis)  
 Soluble Salts: 5.0 max mmhos/cm.  
 Carbon/Nitrogen Ratio: 15-25:1  
 Total Nitrogen: <1.7%  
 Organic N: <1.5%  
 Total Phosphorous: <1.0%  
 Total Potassium: <0.5%  
 Stability <8 mg CO<sub>2</sub>-C per g OM per day

Maturity Test: The finished compost must be tested and classified as “Very Mature” by one of the following methods, or another method as approved by the resident:

Method	Units	Very Mature	Mature	Immature
Oxygen Uptake Rate (OUR Test)	O <sub>2</sub> / unit TS / hr.	< 0.4	0.4 - 1.3	> 1.3
Specific Oxygen Uptake Rate (SOUR Test)	O <sub>2</sub> / unit BVS / hr.	< 0.5	0.5 - 1.5	> 1.5
Dewar Self-Heating Test	Temp. rise (°C)	< 10	10 - 20	> 20

**Pea Gravel** shall be 3/8” minus with no more than 0-15 percent passing the No. 8 sieve.

**Precast Concrete Box** shall be meet Section 604 – Manholes, Inlets, and Catch Basins. It shall be a four-sided, bottomless, concrete box, fabricated according to specification and to the dimensions shown on the detail drawings.

**Drop-In Grate** shall be as approved by the Resident

Submittals

At least 10 working days prior to the delivery of the material to the site, and for approval by the Resident, the Contractor shall submit:

- Certification from the compost source that it meets the above specifications,

- A gradation test performed by a qualified soil testing laboratory the gradation of the 703.01- Fine Aggregate for Concrete.
- Approximately 3-gallon sample of the mixed BSM, and
- Shop drawings for the stormwater planter concrete boxes.

Construction.

In addition to the following, installation of the stormwater planter unit shall follow Section 604 –Manholes, Inlets, and Catch Basins and Section 605- Underdrains.

On top of the compacted foundation place and compact to the satisfaction of the Resident, 6-inch of the crushed stone/pea gravel base.

After setting the box, the 8-inch perforated pipe shall be installed in the planter in the middle of the box and laid with perforations placed up, extending through the 10"x10" notch to the adjoining catch basin. The 8-inch vertical stand-pass pipe shall be connected to the perforated underdrain and installed with the top at the same elevation as the entrance lip of the box. There shall be a minimum of 6 inches from the top of the by-pass pipe to the top of the finished grade of the BSM.

The crushed stone/pea gravel shall be placed in 6-inch lifts to the depth shown on the design cross-sectional drawing and compacted to the satisfaction of the Resident.

The BSM must be at least 36 inches deep on top of the crushed stone/pea gravel layer and must extend across the bottom of the entire filter area. It should be placed in 6-inch lifts inside the concrete box, compacted to the satisfaction of the Resident, and brought to an elevation that is 6 inches minimum below the inlet lip of the concrete box.

The box shall be backfilled according to Section 206.03 Backfilling.

The Rosa Rugosa [Deciduous Flowering Shrub 18" – 24" cont. Rosa Rugosa (Beach Rose)] shall be installed per MaineDOT Standard Specifications for landscape materials and installation procedures (Section 621) after the stormwater planter unit has been filled with stone and bioretention soil media and the final elevations checked by the Resident. Plantings shall receive adequate irrigation to ensure survival.

Method of Measurement Stormwater Planter will be measured by the number of units, complete and accepted in place. Each planter will be one unit.

Basis of Payment The accepted quantities of Stormwater Planter will be paid for at the contract unit price each, complete and in place. Payment shall be full compensation for furnishing the precast concrete vault; installing and backfilling around the unit; furnishing and placing all piping, fittings, grates, pea gravel, and bioretention soil media; plantings and subsequent irrigation to ensure survival; and all equipment, labor and all other incidentals necessary to complete the work.

Excavation and backfill will be measured and paid for as provided in Section 206 – Structural Excavation.

Payment will be made under:

Pay Item  
604.2406 Stormwater Planter

Pay Unit  
Each

ESTIMATED QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNIT	WIN 22950.01 HIGHWAY	WIN 022512.01 BRIDGE 1	WIN 022511.01 BRIDGE 2	OLD TOWN POLLUTION CONTROL (SEWER)	OLD TOWN WATER DISTRICT	CONSOLIDATED COMMUNICATIONS OF NORTHERN NEW ENGLAND COMPANY	FIRSTLIGHT	TOTAL
201.11	CLEARING	AC	1							1
201.23	REMOVE SINGLE TREE TOP ONLY	EA	25							25
201.24	REMOVE STUMP	EA	26							26
202.08	REMOVING BUILDING NO. 1 (STILLWATER AVE, 35+30 LT)	EA	1							1
202.08	REMOVING BUILDING NO. 2 (OLD MILL RD, 70+42 LT)	EA	1							1
202.11	REMOVING PORTLAND CEMENT CONCRETE PAVEMENT	SY	2700							2700
202.15	REMOVE MH OR CB	EA	12					1		13
202.19	REMOVING EXISTING BRIDGE (Br.1: S=50 T, C=914 CY. Br.2: S=145 T, C=960 CY)	LS		1	1					1
202.202	REMOVING PAVMENT SURFACE	SY	3900							3900
202.203	PAVEMENT BUTT JOINT	SY	1160							1160
203.20	COMMON EXCAVATION	CY	11200	1740	1890					14830
203.2318	DISPOSAL OF SPECIAL WASTE	T			33					33
203.25	GRANULAR BORROW	CY	50	2700	2700					5450
203.35	CRUSHED STONE 3/4- INCH	CY	20	39	39					98
206.082	STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES, PLAN QUANTITY	CY		1150	1550					2700
206.092	STRUCTURAL ROCK EXCAVATION - MAJOR STRUCTURES	CY		10	190					200
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	CY	10900	850	850		40			12640
304.14	AGGREGATE SUBBASE COURSE - TYPE A	CY					15			15
403.2081	12.5 MM POLYMER MODIFIED HMA	T	2200	104	204					2508
403.209	HOT MIX ASPHALT 9.5 MM (INCIDENTALS)	T	590	6	6		10			612
403.211	HOT MIX ASPHALT (SHIM)	T	1100							1100
403.213	HOT MIX ASPHALT, 12.5 MM BASE	T	2700	60	60					2820
409.15	BITUMINOUS TACK COAT, APPLIED	G	2370	48	95					2513
461.131	TEMPORARY PAVEMENT	T		210	210					420
501.237	NOISE ATTENUATION AND UNDERWATER NOISE MONITOR	LS		0.5	0.5					1
501.502	ROCK SOCKETED H-PILES 117 LBS/FT, IN PLACE	LF		153	171					324
501.54	STEEL H-BEAM PILES 117 LBS/FT, DELIVERED	LF		173	191					364
501.804	DRILLING EQUIPMENT MOBILIZATION	LS		1	1					1
502.219	STRUCTURAL CONCRETE, ABUTMENTS AND RET. WALLS (Br.1 = 114 CY, Br.2 = 110 CY)	LS		1	1					1
502.239	STRUCTURAL CONCRETE PIERS (Br.2 = 190 CY)	LS			1					1
502.24	STRUCTURAL CONCRETE PIERS (PLACED UNDER WATER)	CY			190					190
502.26	SLAB ON STEEL BRIDGES (Br.1 = 243 CY, Br.2 = 450 CY)	LS		1	1					1
502.31	STRUCTURAL CONCRETE APPROACH SLAB (Br.1 = 25 CY, Br.2 = 25 CY)	LS		1	1					1
502.49	STRUCTURAL CONCRETE CURBS AND SIDEWALKS (Br.1 = 48 CY, Br.2 = 102 CY)	LS		1	1					1
502.77	FRP BRIDGE DRAIN - TYPE F	EA		2	4					6
502.77	FRP BRIDGE DRAIN - TYPE B	EA		2	4					6
503.12	REINFORCING STEEL, FABRICATED AND DELIVERED	LB		37500	63950					101450
503.13	REINFORCING STEEL, PLACING	LB		37500	63950					101450
503.26	STAINLESS STEEL REINFORCEMENT, FABRICATED AND DELIVERED	LB		62000	120900					182900
503.27	STAINLESS STEEL REINFORCEMENT, PLACING	LB		62000	120900					182900
504.702	STRUCTURAL STEEL FABRICATED AND DELIVERED (Br.1 = 273,000 LB, Br.2 = 626,000 LB)	LS		1	1					1
504.71	STRUCTURAL STEEL ERECTION (Br.1 = 273,000 LB, Br.2 = 626,000 LB)	LS		1	1					1
505.08	SHEAR CONNECTORS (Br.1 = 2,268 EA, Br.2 = 4,626 EA)	LS		1	1					1
506.9104	THERMAL SPRAY COATING (SHOP APPLIED) (Br.1 = 273,000 LB, Br.2 = 626,000 LB)	LS		1	1					1
507.08161	STEEL APPROACH RAILING, 4-BAR	EA		2	2					4
507.0821	STEEL BRIDGE RAILING, 3 BAR (Br.1 = 128 LF, Br.2 = 283 LF)	LS		1	1					1
507.0822	STEEL APPROACH RAILING, 3-BAR	EA		2	2					4
507.0831	STEEL BRIDGE RAILING, 4 BAR (Br.1 = 128 LF, Br.2 = 283 LF)	LS		1	1					1
508.14	HIGH PERFORMANCE WATERPROOFING MEMBRANE (Br.1 = 490 SY, Br.2 = 1,100 SY)	LS		1	1					1
510.12	SPECIAL DETOUR, 30 FOOT ROADWAY WIDTH VEHICULAR AND PEDESTRIAN TRAFFIC SEPARATED WITH 5 FOOT SIDEWALK	LS		1	1					1
511.07	COFFERDAM: BRIDGE 1, ABUTMENT NO. 1	LS		1						1
511.07	COFFERDAM: BRIDGE 1, ABUTMENT NO. 2	LS		1						1
511.07	COFFERDAM: BRIDGE 2, ABUTMENT NO. 1	LS			1					1
511.07	COFFERDAM: BRIDGE 2, ABUTMENT NO. 2	LS			1					1
511.07	COFFERDAM: BRIDGE 2, PIER NO. 1	LS			1					1
513.22	CRUSHED STONE SLOPE PROTECTION	SY		50.0	50.0					100
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES (Br.1 = 410 SY, Br.2 = 750 SY)	LS		1	1					1
519.60	EXPANSION DEVICE - ASPHALTIC PLUG JOINT	LF		90	81					171
523.52	BEARING INSTALLATION	EA			6					6
523.5401	LAMINATED ELASTOMERIC BEARINGS, FIXED	EA			6					6
527.34	WORK ZONE CRASH CUSHIONS	UNIT		2	2					4
603.159	12" CULVERT PIPE OPT III	LF	84							84
603.165	15" RCP CLASS III	LF	40							40
603.175	18" RCP CLASS III	LF	60	24	24					108
603.179	18" CULVERT PIPE OPT III	LF	169							169
604.072	CATCH BASIN TYPE A1-C	EA	11	0.5625	0.5625					12.125
604.092	CATCH BASIN TYPE B1-C	EA	11							11
604.164	REBUILDING CATCH BASIN	EA	4							4
604.18	ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	EA	10							10
604.2406	STORMWATER PLANTER	EA	1							1
604.245	TYPE F4-C	EA	2							2
604.247	TYPE F5-C	EA	1							1
604.249	TYPE F6-C	EA	1							1
604.252	CATCH BASIN TYPE A5-C	EA	3	0.5625	0.5625					4.125
604.262	CATCH BASIN TYPE B5-C	EA	2							2
605.09	6" UNDERDRAIN TYPE B	LF	2150							2150
605.11	12" UNDERDRAIN TYPE C	LF	1700							1700
605.12	15" UNDERDRAIN TYPE C	LF	140							140
606.1301	31" W-BEAM GUARDRAIL - MIDWAY SPLICE (STEEL POST, 8" OFF-BLOCK, SINGLE F)	LF	213	100	100					413
606.1303	31" W-BEAM GUARDRAIL - MIDWAY SPLICE - 15' RADIUS AND LESS	LF	100							100
606.1721	BRIDGE TRANSITION - TYPE I	EA		4	4					8
606.259	ANCHORAGE ASSEMBLY	EA	4							4
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	EA	4							4
606.356	DELINEATOR POST	EA	4							4
606.47	SINGLE WOOD POST	EA	6							6
606.51	MULTIPLE MAILBOX SUPPORT	EA	4							4
607.291	REMOVE AND RESET STONEWALL	LF	10							10
607.42	ORNAMENTAL PICKET FENCE	LF	72							72
608.26	CURB RAMP DETECTIBLE WARNING FIELD	SF	270							270
609.11	VERTICAL CURB TYPE 1	LF	3,800	415	725					4940
609.12	VERTICAL CURB TYPE 1 - CIRCULAR	LF	360							360
609.221	TERMINAL CURB TYPE 1	LF	660							660
609.222	TERMINAL CURB TYPE 1 - CIRCULAR	LF	130							130
609.31	CURB TYPE 3	LF	1650							1650

ESTIMATED QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNIT	WIN 22950.01 HIGHWAY	WIN 022512.01 BRIDGE 1	WIN 022511.01 BRIDGE 2	OLD TOWN POLLUTION CONTROL (SEWER)	OLD TOWN WATER DISTRICT	CONSOLIDATED COMMUNICATIONS OF NORTHERN NEW ENGLAND COMPANY	FIRSTLIGHT	TOTAL
609.34	CURB TYPE 5	LF	190							190
609.35	CURB TYPE 5 - CIRCULAR	LF	140							140
610.08	PLAIN RIPRAP	CY	10	125	125					260
610.16	HEAVY RIPRAP	CY		2350	2350					4700
610.18	STONE DITCH PROTECTION	CY	26							26
613.319	EROSION CONTROL BLANKET	SY	52							52
615.07	LOAM	CY	900				5			905
618.13	SEEDING METHOD NUMBER 1	UN	70				1			71
619.12	MULCH	UN	70				1			71
619.14	EROSION CONTROL MIX	CY		5	5					10
620.58	EROSION CONTROL GEOTEXTILE	SY	80	2250	2250					4580
620.60	SEPARATION GEOTEXTILE	SY	2000							2000
620.66	DRAINAGE GEOCOMPOSITE	SY		180	190					370
626.11	PRECAST CONCRETE JUNCTION BOX	EA	9							9
626.22	NON-METALLIC CONDUIT	LF	525							525
626.221	NON-METALLIC CONDUIT, CONCRETE ENCASED	LF	55							55
626.251	NON-METALLIC UNDER PAVEMENT CONDUIT (SCHEDULE 80 OR GREATER RATING)	LF	450							450
626.26	3 INCH DIAMETER UTILITY CONDUIT SYSTEM, TEMPORARY	LS							1	1
626.271	5 INCH DIAMETER UTILITY CONDUIT SYSTEM, TEMPORARY	LS						1		1
626.35	CONTROLLER CABINET FOUNDATION	EA	2							2
626.36	REMOVE OR MODIFY CONCRETE FOUNDATION	EA	3							3
626.421	24 INCH FOUNDATION	LF	77							77
626.451	42 INCH FOUNDATION	LF	42							42
626.46	48-INCH FOUNDATION	LF	23							23
626.48	60-INCH FOUNDATION	LF	26							26
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	LF	20000							20000
627.75	WHITE PAVEMENT & CURB MARKING	SF	4225							4225
627.78	4" TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	LF	20000							20000
627.94	PREFORMED THERMOPLASTIC PAVEMENT MARKING	SF	35							35
629.05	HAND LABOR, STRAIGHT TIME	HR	80	20	20				3	123
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	HR	80	20	20				3	123
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	HR	160	20	20					200
631.32	CULVERT CLEANER (INC. OPERATOR)	HR	40							40
639.18	FIELD OFFICE TYPE A	EA	0.34	0.33	0.33					1
642.15	PRECAST CONCRETE STEPS	EA	1							1
643.21	NON-INVASIVE DETECTION - STOP BAR: STILLWATER AVE & BENNOCH ROAD	LS	1							1
643.21	NON-INVASIVE DETECTION - STOP BAR: STILLWATER AVE & COLLEGE AVE	LS	1							1
643.71	TRAFFIC SIGNAL MODIFICATION: STILLWATER AVE & BENNOCH RD	LS	1							1
643.71	TRAFFIC SIGNAL MODIFICATION: STILLWATER AVE & COLLEGE AVE	LS	1							1
643.72	TEMPORARY TRAFFIC SIGNAL: STILLWATER AVE & COLLEGE AVE	LS	1							1
643.72	TEMPORARY TRAFFIC SIGNAL: STILLWATER AVE & BENNOCH RD	LS	1							1
643.91	MAST ARM POLE, W/25' ARM	EA	3							3
643.91	MAST ARM POLE, W/33' ARM	EA	1							1
643.91	MAST ARM POLE, W/35' ARM	EA	2							2
643.91	MAST ARM POLE, W/40' ARM	EA	1							1
643.91	MAST ARM POLE, W/50' ARM	EA	1							1
643.92	PEDESTAL POLE	EA	11							11
645.103	DEMOUNT GUIDE SIGN	EA	31							31
645.106	DEMOUNT REGULATORY, WARNING, CONFIRMATION, RTE ASSEMBLY SIGNS	EA	66							66
645.108	DEMOUNT POLE	EA	2							2
645.113	REINSTALL GUIDE SIGN	EA	13							13
645.116	REINSTALL REGULATORY, WARNING, CONFIRMATION, RTE ASSEMBLY SIGN	EA	29							29
645.251	ROADSIDE GUIDE SIGN, TYPE 1	SF	104							104
645.271	REGULATORY, WARNING, CONFIRMATION, AND RTE AS									