



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

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

March 3, 2023
Subject: Frank J. Wood Bridge Replacement
State WIN: 022603.00
Location: **Brunswick & Topsham**
Amendment No. 3

Dear Sir/Ms.:

Make the following changes to the Bid Documents:

In the bid book:

REMOVE from amendment two PROPOSAL SCHEDULE OF ITEMS, 17 pages dated 2/27/2023 and **REPLACE** with attached PROPOSAL SHCHEDULE OF ITEMS, 17 pages dated 3/3/2023.

REMOVE pages 188-190, SPECIAL PROVISION SECTION 643 TRAFFIC SIGNALS (Rectangular Rapid Flashing Beacon) dated March 8, 2022 and **REPLACE** with attached pages 188-190, SPECIAL PROVISION SECTION 643 TRAFFIC SIGNALS (Rectangular Rapid Flashing Beacon) dated March 2, 2023.

REMOVE page 196, SPECIAL PROVISION SECTION 645 HIGHWAY SIGNING (Special Signing), 1 page dated 12/27/2021 and **REPLACE** with attached pages 196-198, SPECIAL PROVISION SECTION 645 HIGHWAY SIGNING (Special Signing), 3 pages dated 2/6/2023.

In the plan set:

REMOVE Sheet 2B, ESTIMATED QUANTITIES, 1 sheet dated 2/23 and **REPLACE** with attached Sheet 2C, ESTIMATED QUANTITIES, 1 sheet dated 3/23.

REMOVE Sheet 8, PLAN SHEET 3 OF 3, 1 sheet dated 7/20 and **REPLACE** with attached Sheet 8A, PLAN SHEET 3 OF 3, 1 sheet dated 3/23.

REMOVE Sheet 20, TOPSHAM SITE DESIGN/AMENITIES LAYOUT & MATERIALS PLAN, 1 sheet dated 12/17/21 and **REPLACE** with attached Sheet 20A, TOPSHAM SITE DESIGN/AMENITIES LAYOUT & MATERIALS PLAN, 1 sheet dated 3/23.

REMOVE Sheet 38, CONCEPTUAL PHASE I PLAN SHEET 1 OF 2, 1 sheet dated 2/21 and **REPLACE** with attached Sheet 38A, CONCEPTUAL PHASE 1 PLAN SHEET 1 OF 2, 1 sheet dated 3/23.

REMOVE Sheet 39, CONCEPTUAL PHASE I PLAN SHEET 2 OF 2, 1 sheet dated 2/21 and **REPLACE** with attached Sheet 39A, CONCEPTUAL PHASE 1 PLAN SHEET 2 OF 2, 1 sheet dated 3/23.

REMOVE Sheet 42, NB CLOSURE DETOUR SHEET 1 OF 4, 1 sheet dated 3/22 and **REPLACE** with attached Sheet 42A, NB CLOSURE DETOUR SHEET 1 OF 4, 1 sheet dated 3/23.

REMOVE Sheet 46, FULL CLOSURE DETOUR SHEET 1 OF 3, 1 sheet dated 3/22 and **REPLACE** with attached Sheet 46A, FULL CLOSURE DETOUR SHEET 1 OF 3, 1 sheet dated 3/23.

REMOVE Sheet 51, CLOSURE SIGN SUMMARY SHEET 3 OF 4, 1 sheet dated 3/22 and **REPLACE** with attached Sheet 51A, CLOSURE SIGN SUMMARY SHEET 3 OF 4, 1 sheet dated 3/23.

The following questions have been received:

Question: Seal cofferdam note 7 on sheet 83 indicates that "Where the bedrock surface slope exceeds 4H:1V, the bedrock surface shall be benched in level steps or made completely level." The contours shown on the interpretive subsurface profile, provided in the Geotechnical Design Report, indicate isolated areas within each pier seal where the bedrock may need to be benched or leveled because the surface slopes exceed the 4H:1V limit. Equipment access to perform this work is limited and benching or leveling of the bedrock will be costly. Can the Contractor drill, dowel, and grout reinforcement into the bedrock to anchor the seal into the bedrock in lieu of benching or leveling the bedrock within the pier seal areas? If this method is acceptable, please provide the bar size, spacing, and required embedment for these dowels.

Response: Drilling, doweling and grouting reinforcement into the bedrock in lieu of benching or leveling the bedrock is acceptable.

Rock dowels shall meet the following requirements:

- Shall project into the footing a minimum of 2 feet
- Shall be grouted into the bedrock a minimum of 3 feet
- Shall be stainless steel #9 deformed bars conforming to ASTM A95
- Shall have a minimum yield strength of 75 ksi
- Shall be installed in a minimum 3 inch diameter drilled hole and grouted

Grout shall have a minimum 28-day compressive strength of 5,000 psi and a maximum water cement ratio of 0.45.

The spacing and layout will be provided by the geotechnical engineer within 5 Working Days after the contractor submits a surveyed contour plan of the bedrock surface within the cofferdam. All work associated with drilling, doweling, and grouting reinforcement shall be considered incidental to the Contract. The reinforcement itself will be paid for by the related contract items.

Question: Section 105 of the Special Provision gives Permitted Work windows for noise generating activities at thresholds above 206dB and above 150dB. Please clarify at what distance from the noise generating location the sound measurements shall be taken.

Response: If the activity takes place in the water, the sound measurements should be taken 33 feet from the activity. If the activity takes place outside of the water, go to the closest shoreline from the activity and take the sound measurements 33 feet into the water from that shoreline.

Question: Due to the continuing complexities of this project, the additional questions submitted, and current outstanding questions, we respectfully request the bid date be extended to March 15th, 2023.

Response: No, the bid date will remain March 8, 2023.

Question: The Frank Wood project shows 240 estimated working days for Consolidated Communications scope. The specifications state, "Any times and dates mentioned are estimates only and are dependent upon favorable weather, working conditions, and freedom from emergencies. The Contractor shall have no claim against the Department if they are exceeded." While working with Consolidated Communications on other current projects, major labor concerns have been communicated regarding their ability to complete the cutover and splicing in the durations provided. Consolidated's scope of work is on the critical path to demolish the existing bridge and subsequent removal of the temporary access. We believe the likely delay of this work will impact the contract completion date of November 15, 2026 for this project. Once the temporary access removal is complete, final landscaping and paving will still need to be performed prior to project completion. An August 15th, 2027 completion date would allow all this work to be completed during the contract period of performance. We respectfully request an additional 9 months be added to the project completion date to allow for full use of an additional in-water work window and time for final landscaping and paving.

Response: No, the Contract Completion Date will remain November 15, 2026. In the bid book, on page 64, 3rd paragraph, strike "The Contractor shall have no claim against the Department if they are exceeded." Please make change in pen and ink.

Question: Special Provision 643.62 "Rectangular Flashing Beacon" states that the foundations and conduit are to be paid under the applicable 626 pay items. Please confirm that these foundations and conduits are included in the quantities listed within the "Non-Metallic Conduit" and the "18 inch diameter foundations" pay item quantities.

Response: See above changes to the bid documents.

Question: Sheet number 20 depicts an area on the East side of US Route 201/Route 24B that states "Reinforced Concrete Sidewalk Alternate Pours: Pour (3) 'A' Bands As Shown Prior To 'B' Bands". Section 2 through that area that is shown on Sheet 23 appears to label this same area as "Miscellaneous Concrete: Thickened Slab 6" Concrete". Please clarify if this area is to be paid for under Item 608.08 Reinforced Concrete Sidewalk or Item 502.2356 Miscellaneous Concrete: Thickened Slab. If paid for under item 608.08, should the quantity for item 502.2356 be revised?

Response: See above changes to the bid documents. Estimated Quantities listed are correct.

Question: The prevailing wage rates do not include a rate for a diver/tender rate. Please provide these rates.

Response: If a classification considered necessary for performance of work on the contract does not appear in the wage determination, the Contractor shall submit a request after award of the Contract through the Elations System.

Question: Can the Department please provide locations and a detail showing the mounting brackets for the Specail Signing item 645.51?

Response: See above changes to the bid documents.

Question: Please specify the rebar material for the CIP Seat Walls item 510.11.

Response: In the plan set, on sheet 1, rebar shall be Grade 60 for the CIP Seat Walls Item 510.11.

Question: Sheet 15 shows a scale of 1" = 10' and the CIP Concrete Seat Wall shows a 44' dimension. Please confirm this dimension is incorrect.

Response: On Sheet 15, the dimension is 44 degrees.

Question: Sheet 18 calls for Stone Paving in the Amphitheater Plan but the square footage on the schedule of items and drawing don't seem to match. Can you confirm the square footage to price and install is 301 s.f.? Also, it does not show edging restraints for the stone on the granite step amphitheater section. What should, if any, be used for edge restraint in that section?

Response: On Sheet 2, the quantity listed for Item 610.35 Amphitheater Stone Paving is an estimate. No, there will be no edging around granite step amphitheater section. Steel edging shall be required only for the two (2) landings.

Question: Are the "Closure Signs" to be paid under Item 652.35 Construction Signs, or are they incidental to another item?

Response: Yes, the "Closure Signs" shall be under Item 652.35 Construction Signs.

Question: According to the news; The National Trust for Historic Preservation, The Historic Bridge Foundation, Friends of the Frank J. Wood Bridge, and Waterfront Maine Brunswick, LLC have announced their intention to file suit in Federal District Court against the Federal Highway Administration and Maine Department of Transportation over the construction of the Frank J. Wood Bridge.

How will this pending lawsuit effect the bid period, the award of the contract, and the construction of the project?

This project will tie up significant bonding and insurance assets, and related subcontracts and purchase order obligations depend on the unimpeded progress of the work under this contract.

Response: This project has received all requisite federal approvals. The Department does not anticipate a new lawsuit would affect the project bid period, award, or construction of the project.

Question: There is an item 608.15 for 130 S.Y. Brick Sidewalk with Bituminous Base but I cannot see it on the drawings? Where is the Brick Sidewalk going?

Response: See above changes to the bid documents. Sheet 29 shows the typical section for Item 608.15 Brick Sidewalk with Bituminous Base.

Question: Sheet #42 and Special Provision 643. Please detail the function of each Pedestrian APS Push Button Assembly. Are these intended to replace buttons already in the field to trigger an RRFB and signal walk phase? Will the APS buttons be required to be removed after construction is complete or should they remain in place?

Response: See above changes to the bid documents.

Question: Special Provision 108 - Payment (Steel Cost Adjustment) includes items included in section 503, Reinforcing steel, which is to be measured using Platts Steel Spot Market Prices. Platts provides an index for plain reinforcement but does not provide an index for the Low-Carbon Chromium Reinforcement being used on the project. As recommended by the supplier of this material, we respectfully request the Low-Carbon Chromium Reinforcement be removed from the requirements of Special Provision 108.

Response: Low Carbon Chromium Reinforcement will not be removed from Special Provision 108 – Payment (Steel Cost Adjustment).

Question: With regard to the GFRP Rebar. The 530 special provision is dated 1/28/21. Should the QPL from that date be used or the current QPL which is different?

Response: The most current version of the QPL for GFRP shall be used.

Question: Addendum #1 outlined that the foundations for the light poles are 6' 6" deep which correlates to a quantity of 20 under item 626.411 18" foundation. Under Item 643.62 RRFB the spec states that the foundations will be paid under applicable 626 pay items. Are the foundations for the RRFBs to be added to the linear foot of item 626.411?

Response: See above changes to the bid documents.

Question: What frequency range should the acoustic tag tracking receivers cover, and at what range should this equipment be capable of detecting the presence of a tag?

Response: MaineDOT will supply the equipment and coordinate with the natural resource agencies on which tags to search for.

Consider these changes and information prior to submitting your bid on **March 8, 2023**.

Sincerely,



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

3/3/2023

Maine Department of Transportation

Proposal Schedule of Items

Page 1 of 17

Proposal ID: 022603.00

Project(s): 022603.00

SECTION: 1 INITIAL GROUP

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	201.23 REMOVING SINGLE TREE TOP ONLY	5.000 EA	_____	 _____	_____	 _____
0020	201.24 REMOVING STUMP	5.000 EA	_____	 _____	_____	 _____
0030	202.15 REMOVING EXISTING MANHOLE OR CATCH BASIN	1.000 EA	_____	 _____	_____	 _____
0040	202.19 REMOVING EXISTING BRIDGE	LUMP SUM	LUMP SUM		_____	 _____
0050	202.202 REMOVING PAVEMENT SURFACE	400.000 SY	_____	 _____	_____	 _____
0060	203.20 COMMON EXCAVATION	1,655.000 CY	_____	 _____	_____	 _____
0070	203.21 ROCK EXCAVATION	100.000 CY	_____	 _____	_____	 _____
0080	203.24 COMMON BORROW	500.000 CY	_____	 _____	_____	 _____
0090	203.25 GRANULAR BORROW	2,630.000 CY	_____	 _____	_____	 _____
0100	203.35 CRUSHED STONE 3/4 INCH	57.000 CY	_____	 _____	_____	 _____
0110	206.082 STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	1,770.000 CY	_____	 _____	_____	 _____
0120	206.092 STRUCTURAL ROCK EXCAVATION - MAJOR STRUCTURES	420.000 CY	_____	 _____	_____	 _____

3/3/2023

Maine Department of Transportation

Proposal Schedule of Items

Page 2 of 17

Proposal ID: 022603.00

Project(s): 022603.00

SECTION: 1 INITIAL GROUP

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
0130	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	1,740.000 CY	_____	 _____	_____	 _____
0140	304.14 AGGREGATE BASE COURSE - TYPE A	22.000 CY	_____	 _____	_____	 _____
0150	403.207 HOT MIX ASPHALT 19.0 MM HMA	200.000 T	_____	 _____	_____	 _____
0160	403.208 HOT MIX ASPHALT 12.5 MM HMA SURFACE	200.000 T	_____	 _____	_____	 _____
0170	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	470.000 T	_____	 _____	_____	 _____
0180	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	110.000 T	_____	 _____	_____	 _____
0190	403.213 HOT MIX ASPHALT 12.5 MM BASE	400.000 T	_____	 _____	_____	 _____
0200	403.2131 12.5 MM POLYMER MODIFIED HMA BASE	470.000 T	_____	 _____	_____	 _____
0210	409.15 BITUMINOUS TACK COAT - APPLIED	350.000 G	_____	 _____	_____	 _____
0220	461.131 TEMPORARY PAVEMENT	100.000 T	_____	 _____	_____	 _____
0230	501.25 STEEL CASING 30 INCH GALV	40.000 LF	_____	 _____	_____	 _____
0240	502.21 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS	730.000 CY	_____	 _____	_____	 _____

3/3/2023

Maine Department of Transportation

Proposal Schedule of Items

Page 3 of 17

Proposal ID: 022603.00

Project(s): 022603.00

SECTION: 1 INITIAL GROUP

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
0250	502.219 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS	LUMP SUM		LUMP SUM		
0260	502.2356 MISCELLANEOUS CONCRETE THICKENED SLAB	56.000 CY				
0270	502.239 STRUCTURAL CONCRETE PIERS	LUMP SUM		LUMP SUM		
0280	502.24 STRUCTURAL CONCRETE PIERS (PLACED UNDER WATER)	480.000 CY				
0290	502.26 STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLABS ON STEEL BRIDGES	LUMP SUM		LUMP SUM		
0300	502.31 STRUCTURAL CONCRETE APPROACH SLABS	LUMP SUM		LUMP SUM		
0310	502.49 STRUCTURAL CONCRETE CURBS AND SIDEWALKS	LUMP SUM		LUMP SUM		
0320	502.565 CONCRETE FILL	410.000 CY				
0330	502.703 FRP DOWNSPOUT	3.000 EA				
0340	502.77 FIBER REINFORCED POLYMER BRIDGE DRAIN - TYPE: B	24.000 EA				
0350	503.12 REINFORCING STEEL, FABRICATED AND DELIVERED	199,800.000 LB				

3/3/2023

Maine Department of Transportation

Proposal Schedule of Items

Page 4 of 17

Proposal ID: 022603.00

Project(s): 022603.00

SECTION: 1

INITIAL GROUP

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
0360	503.13 REINFORCING STEEL, PLACING	199,800.000 LB				
0370	503.19 LOW-CARBON, CHROMIUM REINFORCEMENT - FABRICATED & DELIVERED	78,900.000 LB				
0380	503.20 LOW-CARBON, CHROMIUM REINFORCEMENT - PLACING	78,900.000 LB				
0390	504.702 STRUCTURAL STEEL FABRICATED AND DELIVERED, WELDED	LUMP SUM		LUMP SUM		
0400	504.71 STRUCTURAL STEEL ERECTION	LUMP SUM		LUMP SUM		
0410	505.08 SHEAR CONNECTORS	LUMP SUM		LUMP SUM		
0420	506.9104 THERMAL SPRAY COATING - SHOP APPLIED	LUMP SUM		LUMP SUM		
0430	507.08311 ORNAMENTAL STEEL BRIDGE RAILING, 4 BAR WITH PALES	LUMP SUM		LUMP SUM		
0440	507.0843 ALUMINUM PIPE HAND RAILING	LUMP SUM		LUMP SUM		
0450	507.08491 BARRIER-MOUNTED ALUMINUM PEDESTRIAN RAILING	LUMP SUM		LUMP SUM		
0460	508.14 HIGH PERFORMANCE WATERPROOFING MEMBRANE	LUMP SUM		LUMP SUM		

3/3/2023

Maine Department of Transportation

Proposal Schedule of Items

Page 5 of 17

Proposal ID: 022603.00

Project(s): 022603.00

SECTION: 1 INITIAL GROUP

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
0470	510.11 SPECIAL DETOUR, PEDESTRIAN TRAFFIC ONLY	LUMP SUM	LUMP	SUM	_____	_____
0480	511.07 COFFERDAM: ABUT NO.1	LUMP SUM	LUMP	SUM	_____	_____
0490	511.07 COFFERDAM: ABUT NO.2	LUMP SUM	LUMP	SUM	_____	_____
0500	511.07 COFFERDAM: PIER NO.1	LUMP SUM	LUMP	SUM	_____	_____
0510	511.07 COFFERDAM: PIER NO.2	LUMP SUM	LUMP	SUM	_____	_____
0520	511.07 COFFERDAM: PIER NO.3	LUMP SUM	LUMP	SUM	_____	_____
0530	512.081 FRENCH DRAINS	LUMP SUM	LUMP	SUM	_____	_____
0540	515.21 PROTECTIVE COATING FOR CONCRETE SURFACES	LUMP SUM	LUMP	SUM	_____	_____
0550	518.60 REPAIR OF VERTICAL SURFACES < 8 IN.	200.000 SF	_____	_____	_____	_____
0560	521.23 EXPANSION DEVICE FINGER JOINT	2.000 EA	_____	_____	_____	_____
0570	521.32 FABRIC TROUGH FOR FINGER JOINT	2.000 EA	_____	_____	_____	_____
0580	523.52 BEARING INSTALLATION	25.000 EA	_____	_____	_____	_____

3/3/2023

Maine Department of Transportation

Proposal Schedule of Items

Page 6 of 17

Proposal ID: 022603.00

Project(s): 022603.00

SECTION: 1

INITIAL GROUP

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
0590	523.5551 POT OR DISC BEARINGS, FIXED	5.000 EA				
0600	523.5552 POT OR DISC BEARINGS, EXPANSION	20.000 EA				
0610	524.301 TEMPORARY STRUCTURAL SUPPORT	LUMP SUM		LUMP SUM		
0620	525.75 GRANITE BENCH TYPE A SEATING	11.000 EA				
0630	525.75 GRANITE BENCH TYPE B	23.000 EA				
0640	525.75 GRANITE BENCH TYPE B1	2.000 EA				
0650	525.75 GRANITE BENCH TYPE C, AMPHITHEATER	26.000 EA				
0660	526.301 PORTABLE CONCRETE BARRIER TYPE I	LUMP SUM		LUMP SUM		
0670	526.341 PERMANENT CONCRETE BARRIER (1640 LF)	LUMP SUM		LUMP SUM		
0675	527.34 WORK ZONE CRASH CUSHIONS	2.000 UN				
0680	530.30 GFRP, REINFORCEMENT BARS, FABRICATED & DELIVERED	365,400.000 LF				
0690	530.31 GFRP, REINFORCEMENT BARS, PLACING	365,400.000 LF				

3/3/2023

Maine Department of Transportation

Proposal Schedule of Items

Page 7 of 17

Proposal ID: 022603.00

Project(s): 022603.00

SECTION: 1 INITIAL GROUP

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
0700	603.159 12 INCH CULVERT PIPE OPTION III	227.000 LF				
0710	603.169 15 INCH CULVERT PIPE OPTION III	24.000 LF				
0720	603.179 18 INCH CULVERT PIPE OPTION III	27.000 LF				
0730	603.199 24 INCH CULVERT PIPE OPTION III	27.000 LF				
0740	604.072 CATCH BASIN TYPE A1-C	3.000 EA				
0750	604.15 MANHOLE	2.000 EA				
0760	604.158 UTILITY VAULT CMP	1.000 EA				
0770	604.158 UTILITY VAULT GWI, COMCAST & FIRSTLIGHT	2.000 EA				
0780	604.164 REBUILDING CATCH BASIN	6.000 EA				
0790	604.18 ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	4.000 EA				
0800	604.244 CATCH BASIN TYPE F4	4.000 EA				
0810	604.246 CATCH BASIN TYPE F5	1.000 EA				
0820	604.248 CATCH BASIN TYPE F6	2.000 EA				

3/3/2023

Maine Department of Transportation

Proposal Schedule of Items

Page 8 of 17

Proposal ID: 022603.00

Project(s): 022603.00

SECTION: 1 INITIAL GROUP

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
0830	604.74 SPECIAL DRAIN	1.000 EA	_____	 _____	_____	 _____
0840	605.09 6 INCH UNDERDRAIN TYPE B	1,250.000 LF	_____	 _____	_____	 _____
0850	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	2.000 EA	_____	 _____	_____	 _____
0860	606.356 UNDERDRAIN DELINEATOR POST	2.000 EA	_____	 _____	_____	 _____
0870	606.365 GUARDRAIL REMOVE, MODIFY, AND RESET	200.000 LF	_____	 _____	_____	 _____
0880	607.19 CHAIN LINK FENCE - 8 FOOT	46.000 LF	_____	 _____	_____	 _____
0890	607.2323 CHAIN FENCE GATE 6 FOOT X 8 FOOT OPENING	1.000 EA	_____	 _____	_____	 _____
0900	607.243 REMOVE CHAIN LINK FENCE	150.000 LF	_____	 _____	_____	 _____
0910	607.39 PEDESTRIAN FENCE	280.000 LF	_____	 _____	_____	 _____
0920	608.08 REINFORCED CONCRETE SIDEWALK	840.000 SY	_____	 _____	_____	 _____
0930	608.15 BRICK SIDEWALK WITH BITUMINOUS BASE	130.000 SY	_____	 _____	_____	 _____
0940	608.26 CURB RAMP DETECTABLE WARNING FIELD	85.000 SF	_____	 _____	_____	 _____

3/3/2023

Maine Department of Transportation

Proposal Schedule of Items

Page 9 of 17

Proposal ID: 022603.00

Project(s): 022603.00

SECTION: 1

INITIAL GROUP

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
0950	608.282 GRANITE PAVERS WITH CONCRETE BASE	250.000 SY	_____	 _____	_____	 _____
0960	609.11 VERTICAL CURB TYPE 1	1,200.000 LF	_____	 _____	_____	 _____
0970	609.12 VERTICAL CURB TYPE 1 - CIRCULAR	95.000 LF	_____	 _____	_____	 _____
0980	609.13 VERTICAL BRIDGE CURB TYPE 1	1,635.000 LF	_____	 _____	_____	 _____
0990	609.221 TERMINAL CURB TYPE 1	94.000 LF	_____	 _____	_____	 _____
1000	609.222 TERMINAL CURB TYPE 1 - CIRCULAR	20.000 LF	_____	 _____	_____	 _____
1010	609.441 CURBING REMOVED AND STACKED	1,250.000 LF	_____	 _____	_____	 _____
1020	610.08 PLAIN RIPRAP	130.000 CY	_____	 _____	_____	 _____
1030	610.16 HEAVY RIPRAP	340.000 CY	_____	 _____	_____	 _____
1040	610.18 STONE DITCH PROTECTION	2.000 CY	_____	 _____	_____	 _____
1050	610.21 RIVER STONES 2 INCH - 3 INCH	6.000 CY	_____	 _____	_____	 _____
1060	610.35 AMPHITHEATRE STONE PAVING	330.000 SF	_____	 _____	_____	 _____
1070	610.61 NATURAL BOULDER	26.000 EA	_____	 _____	_____	 _____

3/3/2023

Maine Department of Transportation

Proposal Schedule of Items

Page 10 of 17

Proposal ID: 022603.00

Project(s): 022603.00

SECTION: 1

INITIAL GROUP

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
1080	613.319 EROSION CONTROL BLANKET	220.000 SY	_____	_____	_____	_____
1090	615.07 LOAM	460.000 CY	_____	_____	_____	_____
1100	616.08 SODDING	480.000 SY	_____	_____	_____	_____
1110	618.13 SEEDING METHOD NUMBER 1	3.000 UN	_____	_____	_____	_____
1120	619.12 MULCH	3.000 UN	_____	_____	_____	_____
1130	619.13 BARK MULCH	65.000 CY	_____	_____	_____	_____
1140	619.14 EROSION CONTROL MIX	10.000 CY	_____	_____	_____	_____
1150	620.58 EROSION CONTROL GEOTEXTILE	585.000 SY	_____	_____	_____	_____
1160	621.129 SM DECID TR (6' - 8') MULTI STEM CLUMP GROUP A	10.000 EA	_____	_____	_____	_____
1170	621.269 LARGE DECIDUOUS TREE (1.75 INCH - 2 INCH CALIPER) GROUP C	6.000 EA	_____	_____	_____	_____
1180	621.285 LARGE DECIDUOUS TREE (3 INCH - 3.50 INCH CALIPER) GROUP A	9.000 EA	_____	_____	_____	_____
1190	621.389 EVERGREENS (15 INCH - 18 INCH) GROUP A	203.000 EA	_____	_____	_____	_____

3/3/2023

Maine Department of Transportation

Proposal Schedule of Items

Page 11 of 17

Proposal ID: 022603.00

Project(s): 022603.00

SECTION: 1 INITIAL GROUP

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
1200	621.395 EVERGREENS (18 INCH - 24 INCH) GROUP A	129.000 EA	_____	_____	_____	_____
1210	621.546 DECIDUOUS SHRUBS (2 FOOT - 3 FOOT) GROUP A	98.000 EA	_____	_____	_____	_____
1220	621.552 DECIDUOUS SHRUBS (3 FOOT - 4 FOOT) GROUP A	33.000 EA	_____	_____	_____	_____
1230	621.71 HERBACEOUS PERENNIALS GROUP A	756.000 EA	_____	_____	_____	_____
1240	621.80 ESTABLISHMENT PERIOD	LUMP SUM	LUMP SUM		_____	_____
1250	621.98 METAL LANDSCAPE EDGING	34.000 LF	_____	_____	_____	_____
1260	626.11 PRECAST CONCRETE JUNCTION BOX	1.000 EA	_____	_____	_____	_____
1270	626.22 NON-METALLIC CONDUIT	3,250.000 LF	_____	_____	_____	_____
1280	626.221 NON-METALLIC CONDUIT CONCRETE ENCASED	520.000 LF	_____	_____	_____	_____
1290	626.411 18 INCH DIAMETER FOUNDATION	185.000 LF	_____	_____	_____	_____
1300	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	4,550.000 LF	_____	_____	_____	_____

3/3/2023

Maine Department of Transportation

Proposal Schedule of Items

Page 12 of 17

Proposal ID: 022603.00

Project(s): 022603.00

SECTION: 1

INITIAL GROUP

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
1310	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	410.000 SF	_____	_____	_____	_____
1320	627.752 TEMPORARY WHITE OR YELLOW PAVEMENT & CURB MARKING	210.000 SF	_____	_____	_____	_____
1330	627.77 REMOVING PAVEMENT MARKINGS	260.000 SF	_____	_____	_____	_____
1340	627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	16,200.000 LF	_____	_____	_____	_____
1350	629.05 HAND LABOR, STRAIGHT TIME	108.000 HR	_____	_____	_____	_____
1360	631.10 AIR COMPRESSOR (INCLUDING OPERATOR)	40.000 HR	_____	_____	_____	_____
1370	631.11 AIR TOOL (INCLUDING OPERATOR)	40.000 HR	_____	_____	_____	_____
1380	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	60.000 HR	_____	_____	_____	_____
1390	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	60.000 HR	_____	_____	_____	_____
1400	631.18 CHAIN SAW RENTAL (INCLUDING OPERATOR)	40.000 HR	_____	_____	_____	_____
1410	631.20 STUMP CHIPPER (INCLUDING OPERATOR)	40.000 HR	_____	_____	_____	_____

3/3/2023

Maine Department of Transportation

Proposal Schedule of Items

Page 13 of 17

Proposal ID: 022603.00

Project(s): 022603.00

SECTION: 1 INITIAL GROUP

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
1420	631.21 ROAD BROOM (INCLUDING OPERATORS AND HAULER)	40.000 HR	_____	 _____	_____	 _____
1430	631.22 FRONT END LOADER (INCLUDING OPERATOR)	60.000 HR	_____	 _____	_____	 _____
1440	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	60.000 HR	_____	 _____	_____	 _____
1450	633.01 SEAT WALLS	116.000 LF	_____	 _____	_____	 _____
1460	634.160 HIGHWAY LIGHTING	LUMP SUM	LUMP SUM		_____	 _____
1470	634.162 PARK LIGHTING SYSTEM BRUNSWICK	LUMP SUM	LUMP SUM		_____	 _____
1480	634.162 PARK LIGHTING SYSTEM TOPSHAM	LUMP SUM	LUMP SUM		_____	 _____
1490	634.2101 TYPE A LIGHT STANDARD	33.000 EA	_____	 _____	_____	 _____
1500	634.2102 TYPE B LIGHT STANDARD	12.000 EA	_____	 _____	_____	 _____
1510	639.18 FIELD OFFICE TYPE A	1.000 EA	_____	 _____	_____	 _____
1520	642.17 CAST-IN-PLACE CONCRETE STEPS W GRANITE TREADS	19.000 CY	_____	 _____	_____	 _____
1530	642.183 GRANITE STEP AMPHITHEATER	LUMP SUM	LUMP SUM		_____	 _____

3/3/2023

Maine Department of Transportation

Proposal Schedule of Items

Page 14 of 17

Proposal ID: 022603.00

Project(s): 022603.00

SECTION: 1

INITIAL GROUP

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
1540	643.62 RECTANGULAR RAPID FLASHING BEACON	10.000 EA	_____	 _____	_____	 _____
1550	643.72 TEMPORARY TRAFFIC SIGNAL BRUNSWICK APPROACH	LUMP SUM	_____	 LUMP SUM	_____	 _____
1560	645.306 FLEXIBLE REFLECTORIZED DELINEATOR	2.000 EA	_____	 _____	_____	 _____
1570	645.51 SPECIAL SIGNING	LUMP SUM	_____	 LUMP SUM	_____	 _____
1580	652.312 TYPE III BARRICADE	6.000 EA	_____	 _____	_____	 _____
1590	652.33 DRUM	25.000 EA	_____	 _____	_____	 _____
1600	652.34 CONE	75.000 EA	_____	 _____	_____	 _____
1610	652.35 CONSTRUCTION SIGNS	1,010.000 SF	_____	 _____	_____	 _____
1620	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	LUMP SUM	_____	 LUMP SUM	_____	 _____
1630	652.38 FLAGGER	11,044.000 HR	_____	 _____	_____	 _____
1640	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	9.000 EA	_____	 _____	_____	 _____
1650	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM	_____	 LUMP SUM	_____	 _____

3/3/2023

Maine Department of Transportation

Proposal Schedule of Items

Page 15 of 17

Proposal ID: 022603.00

Project(s): 022603.00

SECTION: 1 INITIAL GROUP

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
1660	658.20 ACRYLIC LATEX COLOR FINISH, GREEN	1,550.000 SY	_____	 _____	_____	 _____
1670	659.10 MOBILIZATION	LUMP SUM	LUMP SUM		_____	 _____
1680	660.21 ON-THE-JOB TRAINING (BID)	2,000.000 HR	_____	 _____	_____	 _____
1690	801.03 TEST PITS	2.000 EA	_____	 _____	_____	 _____
1700	802.10 12 INCH DUCTILE IRON WATERMAIN	20.000 LF	_____	 _____	_____	 _____
1710	822.322 6 INCH DUCTILE IRON PIPE	130.000 LF	_____	 _____	_____	 _____
1720	822.34 8 INCH CLASS 52 DUCTILE IRON PIPE	20.000 LF	_____	 _____	_____	 _____
1730	822.3701 16" DUCTILE IRON WATER MAIN	800.000 LF	_____	 _____	_____	 _____
1740	823.3105 12" INSERTION VALVE AND VALVE BOX	1.000 EA	_____	 _____	_____	 _____
1750	823.3112 16" GATE VALVE WITH BOX	2.000 EA	_____	 _____	_____	 _____
1760	823.33 6 INCH GATE VALVE WITH BOX	1.000 EA	_____	 _____	_____	 _____
1770	824.30 FIRE HYDRANT	1.000 EA	_____	 _____	_____	 _____
1780	825.322 2" CURB STOP	1.000 EA	_____	 _____	_____	 _____

3/3/2023

Maine Department of Transportation

Proposal Schedule of Items

Page 16 of 17

Proposal ID: 022603.00

Project(s): 022603.00

SECTION: 1 INITIAL GROUP

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	825.3221 2" CORP STOP	1.000 EA	_____	 _____	_____	 _____
1800	825.333 1" AIR RELEASE VALVE MANUAL	1.000 EA	_____	 _____	_____	 _____
1810	825.4221 2" POLYETHYLENE SERVICE	40.000 LF	_____	 _____	_____	 _____
1820	825.5411 TEMPORARY WATER MAIN 6 INCH	LUMP SUM	LUMP SUM		_____	 _____
1830	827.33 TRENCH INSULATION	40.000 LF	_____	 _____	_____	 _____
1840	830.104 WATER MAIN BRIDGE CROSSING 16 INCH PREINSULATED	900.000 LF	_____	 _____	_____	 _____
1850	841.48 BOLLARDS	3.000 EA	_____	 _____	_____	 _____
1860	841.481 REMOVABLE BOLLARD	3.000 EA	_____	 _____	_____	 _____
1870	845.10 STRUCTURAL STEEL UTILITY SUPPORT ELEC AND COMMS	LUMP SUM	LUMP SUM		_____	 _____
1880	910.301 SPECIAL WORK UTILITY CONDUIT CMP APPR ONLY	LUMP SUM	LUMP SUM		_____	 _____
1890	910.301 SPECIAL WORK UTILITY CONDUIT CMP BRIDGE ONLY	LUMP SUM	LUMP SUM		_____	 _____
1900	910.301 SPECIAL WORK UTILITY CONDUIT CONSOLIDATED COMM. APPR	LUMP SUM	LUMP SUM		_____	 _____

3/3/2023

Maine Department of Transportation

Proposal Schedule of Items

Page 17 of 17

Proposal ID: 022603.00

Project(s): 022603.00

SECTION: 1 INITIAL GROUP

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
1910	910.301 SPECIAL WORK UTILITY CONDUIT CONSOLIDATED COMM. BR ONLY	LUMP SUM	LUMP	SUM	_____	_____
1920	910.301 SPECIAL WORK UTILITY CONDUIT GWI, COMCAST & FIRSTLIGHT - APPROACHES ONLY	LUMP SUM	LUMP	SUM	_____	_____
1930	910.301 SPECIAL WORK UTILITY CONDUIT GWI, COMCAST & FIRSTLIGHT - BR ONLY	LUMP SUM	LUMP	SUM	_____	_____
Section: 1			Total:		_____	_____
			Total Bid:		_____	_____

SPECIAL PROVISION
SECTION 643
TRAFFIC SIGNALS
(Rectangular Rapid Flashing Beacon)

This section is amended by addition of the following:

Description

The Contractor shall furnish and install rectangular rapid flashing beacons including signage assemblies at pedestrian crossings where shown on the plans. Their installation shall be as described in this special provision.

Materials

Each rectangular rapid flashing beacon (RRFB) assembly shall consist of two rectangular-shaped yellow indications, each with an LED-array based light source. Each RRFB indication shall be a minimum of approximately 5 inches wide by approximately 2 inches high. Flashing lights and signage shall be in both directions of vehicle travel.

Each RRFB signage assembly shall be mounted on a 14-foot-long 4-inch I.D. non-tapered Schedule 40 galvanized steel pole with pole cap. Poles shall have a 0.75" minimum thickness galvanized ASTM A36 steel base plate circumferentially welded to the pole shaft. Anchor bolts for attachment of base plates to foundations shall be 0.75" x 17" (minimum) x 3" threaded. Four anchor bolts shall be provided for each support pole.

Where designated on the plans, poles for RRFB signage assemblies shall be installed with breakaway bases. Breakaway devices shall conform to the latest edition of "AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals" and NCHRP 350. Breakaway devices shall be designed such that anchor bolts will not bend upon vehicle impact. A frangible coupling such as Transpo "Pole-Safe" series, Manitoba safety base with reaction plate, or other approved equal meeting requirements of Section 721 shall be used. Electrical conductors at the pole base shall have a fusible breakaway device that will disconnect all ungrounded conductors simultaneously.

Each support pole shall be installed with a square aluminum pedestal base with grounding lug.

Signs for RRFB signage assemblies shall be sheet aluminum and meet requirements of Section 645 for Type II regulatory, warning and route marker assembly signage. The signage assemblies shall include a W11-2 pedestrian crossing sign, W16-7p diagonal arrow plaque, and R10-25 pedestrian pushbutton signs.

Pedestrian pushbutton assemblies for activating RRFB indications shall be installed on each RRFB support pole, mounted at 42 inches above sidewalk grade and within 10 inches of the edge of sidewalk. Pushbuttons shall meet Americans with Disabilities Act vibrotactile technical requirements for accessible pedestrian

signals (APS).

Construction and Operation

The two RRFB indications in an assembly shall be aligned horizontally, with the longer dimension horizontal and with a minimum space between the two indications of approximately seven inches (7"), measured from inside edge of one indication to inside edge of the other indication.

The outside edges of the RRFB indications, including any housing, shall not project beyond the outside edges of the W11-2 sign in the beacon signage assembly.

As a specific exception to 2009 MUTCD Section 4L.01 guidance, the RRFB indications shall be located between the bottom of the W11-2 crossing warning sign and the top of the supplemental W16-7p downward diagonal arrow plaque, rather than 12 inches above or below the sign assembly.

When activated, the two yellow indications in each RRFB shall flash in a rapidly alternating "wig-wag" flashing sequence (left light on, then right light on). The flash rate of each individual yellow indication, as applied over the full on-off sequence of a flashing period of the indication, shall not be between 5 and 30 flashes per second, to avoid frequencies that might cause seizures.

The light intensity of the yellow indications shall meet the minimum specifications of Society of Automotive Engineers (SAE) standard J595 (Directional Flashing Optical Warning Devices for Authorized Emergency, Maintenance, and Service Vehicles) dated March 2014.

The RRFBs, normally dark, shall initiate operation only upon pedestrian pushbutton actuation, and shall cease operation at a predetermined time after the pedestrian actuation. For this project, the duration of operation of the RRFBs following each actuation shall be 12 seconds. All RRFBs associated with a given crosswalk shall, when activated, simultaneously commence operation of their alternating rapid flashing indications, and shall cease operation simultaneously.

Communication between the devices may be either by spread spectrum wireless or hardwired.

MUTCD R10-25 pedestrian instruction signage with the legend PUSH BUTTON TO TURN ON WARNING LIGHTS shall be mounted adjacent to or integral with each pedestrian pushbutton.

Method of Measurement

All rectangular rapid flashing beacon and sign assemblies associated with a single crosswalk shall constitute a single installation. Each installation will be measured for payment by each in place.

Basis of Payment

Rectangular Rapid Flashing Beacon will be paid for at the contract each price, which payment will be full compensation for furnishing and installing all materials including, but not limited to, the RRFB LED arrays, flasher, timer, lockable controller cabinet, steel poles with base plate, anchor bolts and pedestal base, breakaway devices, wiring and power service, pole risers, pedestrian push button assemblies, crosswalk signage, radio communication devices and all appurtenances and incidentals required for a complete and functioning installation. Foundations and conduit will be paid under applicable Section 626 pay items.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
643.62 Rectangular Rapid Flashing Beacon	Each

SPECIAL PROVISION
SECTION 645
HIGHWAY SIGNING
(Special Signing)

Description. Special Signing shall consist of furnishing all materials and equipment necessary for the fabrication, finishing, and installation of the interpretive panel mounting brackets, as well as the installation of the six (6) MaineDOT supplied 36" Wide x 24" high interpretive panels, in accordance with these specifications, as shown on the Plans, and as directed by the Resident.

Materials:

- A. Mounting Bracket & Pipe Clamp. All steel shall be deburred and smooth to the touch, with no sharp or jagged edges.
- B. Hardware. Security nut shall be Bryce Fastener Inc. 3/8" Thread diameter Penta-Nut nut or approved equal, and shall be stainless steel.
Fasteners for securing interpretive sign to backing plate to be supplied by Panel manufacturer (by others).
- C. Finish: The mounting brackets and pipe clamps shall be hot-dip galvanized in accordance with Section 506, Shop Applied Protective Coating – Steel, and top coated with Colorgalv Plus or approved equal. The top coat color shall be black matching the black finish of the pedestrian fence. Hardware shall be hot-dip galvanized in accordance with Section 506, Shop Applied Protective Coating – Steel, and shall be field-painted black after installation with 2-coats of color-matched paint.

Submittals. The Contractor shall submit shop drawings for bracket design, all product data and manufacturer specifications, and installation instructions for all items to be furnished.

Method of Measurement. Special Signing will be measured for payment by the Lump Sum, complete and accepted in place.

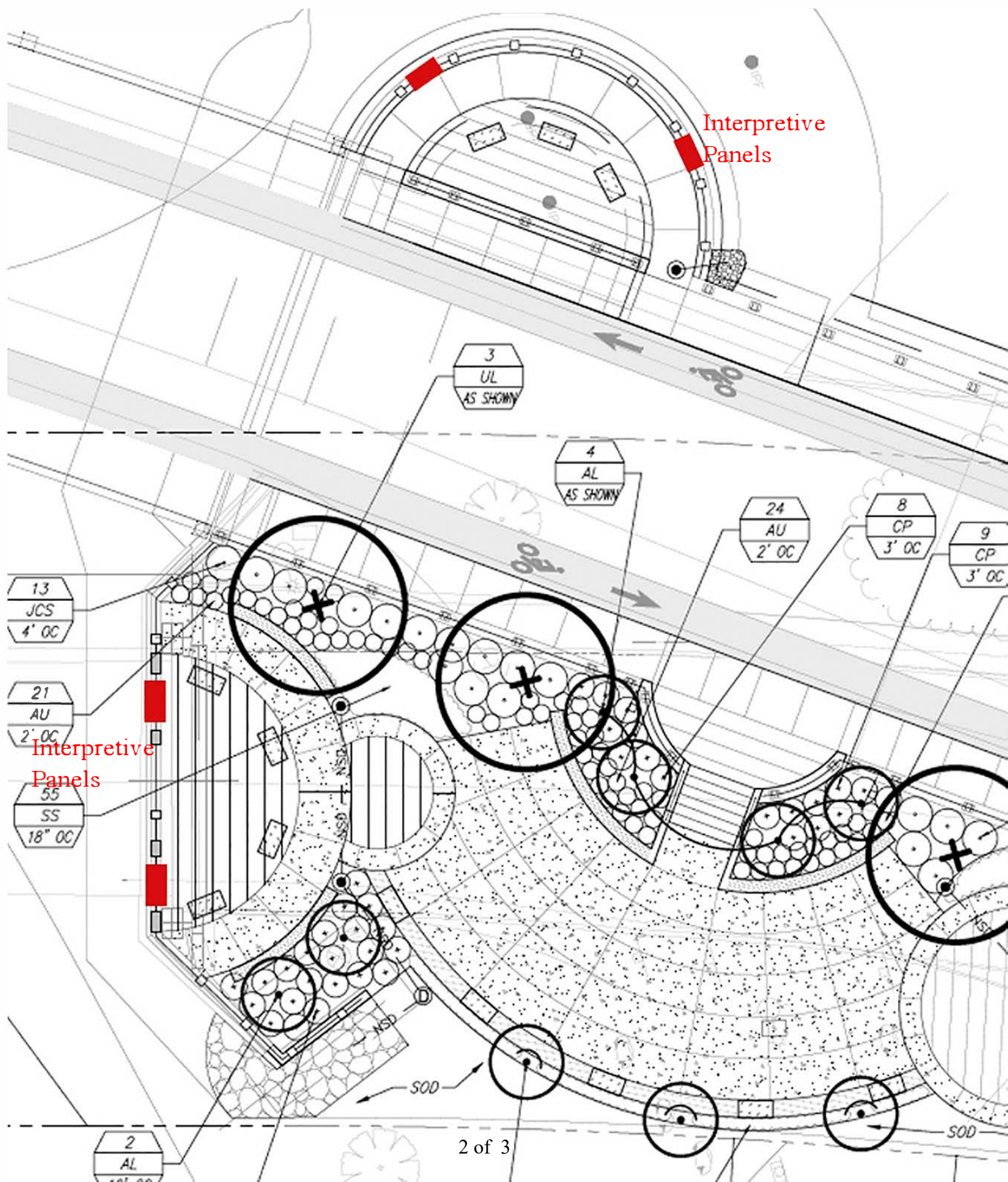
Basis of Payment. Special Signing will be paid for at the contract Lump Sum price. Payment will be full compensation for the furnishing of all materials, labor, and incidentals required for all fabrication, finishing, painting, installation of the mounting brackets, and the installation of the six (6) MaineDOT supplied Interpretive Panels, complete and in place.

Payment will be made under:

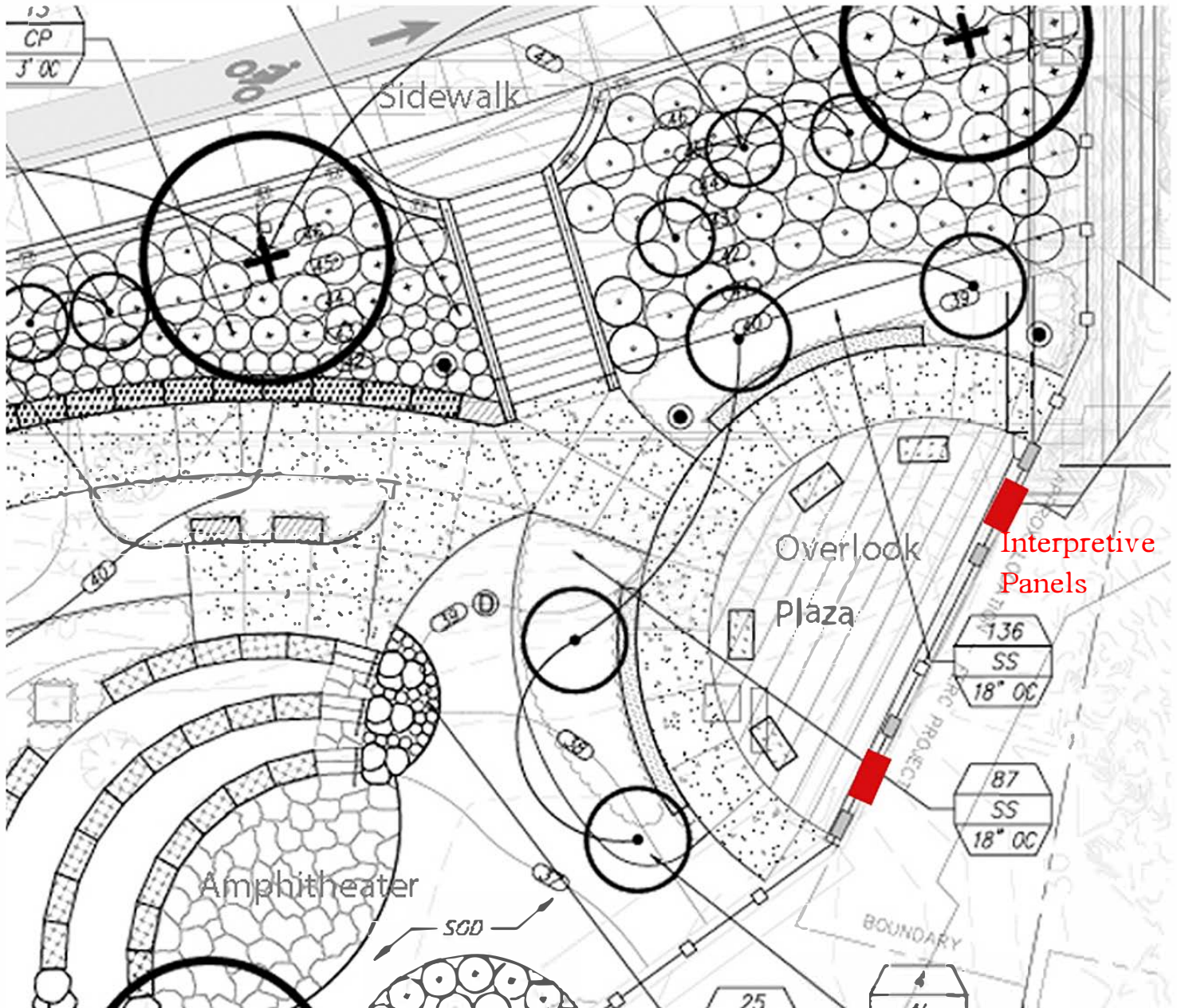
<u>Pay Item</u>	<u>Pay Unit</u>
645.51 Special Signing	Lump Sum

FJ Wood Bridge WIN 022603.00
Interpretive Panels 36" Wide x 24" High
Locations (4) - Topsham

Brunswick-Topsham
Frank J. Wood Bridge, WIN 022603.00
February 06, 2023



FJ Wood Bridge WIN 022603.00
Interpretive Panels 36" Wide x 24" High
Locations (2) - **Brunswick**



ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
201.23	Removing Single Tree Top Only	5	EA
201.24	Removing Stump	5	EA
202.15	Removing Existing Manhole or Catch Basin	1	EA
202.19	Removing Existing Bridge (3,350,000 LB, 1,550 CY)	1	LS
202.202	Removing Pavement Surface	400	SY
203.20	Common Excavation	1,655	CY
203.24	Common Borrow	500	CY
203.25	Granular Borrow	2,630	CY
203.35	Crushed Stone 3/4-inch	57	CY
206.082	Structural Earth Excavation - Major Structures, Plan Quantity	1,770	CY
206.092	Structural Rock Excavation - Major Structures	420	CY
304.10	Aggregate Subbase Course - Gravel	1,740	CY
304.14	Aggregate Base Course - Type A	22	CY
403.2081	Hot Mix Asphalt - 12.5 mm (Polymer Modified)	470	TON
403.209	Hot Mix Asphalt - 9.5 mm (sidewalks, drives, & incidentals)	110	TON
403.213	Hot Mix Asphalt - 12.5 mm (base and intermediate course)	400	TON
403.2131	Hot Mix Asphalt - 12.5 mm (base and intermediate course Polymer Modified)	470	TON
409.15	Bituminous Tack Coat, Applied	350	G
502.21	Structural Concrete, Abutments and Retaining Walls	730	CY
502.219	Structural Concrete, Abutments and Retaining Walls (480 CY)	1	LS
502.2356	Miscellaneous Concrete: Thickened Slab	56	CY
502.239	Structural Concrete Piers (480 CY)	1	LS
502.24	Structural Concrete Piers (placed under water)	480	CY
502.26	Structural Concrete Roadway and Sidewalk Slab on Steel Bridges (1,080 CY)	1	LS
502.31	Structural Concrete Approach Slabs (24 CY)	1	LS
502.49	Structural Concrete Curbs And Sidewalks (510 CY)	1	LS
502.565	Concrete Fill	410	CY
502.703	FRP Downspout	3	EA
502.77	FRP Bridge Drain - Type "B"	24	EA
503.12	Reinforcing Steel, Fabricated and Delivered	199,800	LB
503.13	Reinforcing Steel, Placing	199,800	LB
503.19	Low-Carbon Chromium Reinforcement, Fabricated and Delivered	78,900	LB
503.20	Low-Carbon Chromium Reinforcement, Placing	78,900	LB
504.702	Structural Steel Fabricated and Delivered, Welded (2,420,000 LB)	1	LS
504.71	Structural Steel Erection (2,420,000 LB)	1	LS
505.08	Shear Connectors (7,433 EA)	1	LS
506.9104	Thermal Spray Coating (Shop Applied)	1	LS
507.08311	Ornamental Steel Bridge Railing, 4 Bar, with Pales (637 LF)	1	LS
507.0843	Aluminum Pipe Hand Railing (58 LF)	1	LS
507.08491	Barrier-Mounted Aluminum Pedestrian Railing (1,565 LF)	1	LS
508.14	High Performance Waterproofing Membrane (2,900 SY)	1	LS
510.11	Special Detour, Pedestrian Traffic Only	1	LS
511.07	Cofferdam: Abutment 1	1	LS
511.07	Cofferdam: Abutment 2	1	LS
511.07	Cofferdam: Pier 1	1	LS
511.07	Cofferdam: Pier 2	1	LS
511.07	Cofferdam: Pier 3	1	LS
512.081	French Drains (580 LF)	1	LS
515.21	Protective Coating For Concrete Structures (3,510 SY)	1	LS
518.60	Repair of Vertical Surfaces < 8 inches	200	SF
521.23	Expansion Device - Finger Joint	2	EA
521.32	Fabric Trough for Finger Joint	2	EA
523.52	Bearing Installation	25	EA
523.5551	Pot or Disc Bearings, Fixed	5	EA
523.5552	Pot or Disc Bearings, Expansion	20	EA
524.301	Temporary Structural Support	1	LS
525.75	Granite Bench (Type A seating)	11	EA
525.75	Granite Bench (Type B)	25	EA
525.75	Granite Bench (Type B1)	2	EA
525.75	Granite Bench (Type C - Amphitheater)	26	EA
526.301	Portable Concrete Barrier, Type I (910 LF)	1	LS
526.341	Permanent Concrete Barrier, Special (1,640 LF)	1	LS
527.34	Work Zone Crash Cushions	2	Unit
530.30	GFRP, Reinforcement Bars, Fabricated & Delivered	365,400	LF
530.31	GFRP, Reinforcement Bars, Placing	365,400	LF
603.159	12 inch Culvert Pipe Option III	227	LF
603.169	15 inch Culvert Pipe Option III	24	LF
603.179	18 inch Culvert Pipe Option III	27	LF
603.199	24 inch Culvert Pipe Option III	27	LF
604.072	Catch Basin Type A1-C	3	EA
604.15	Manhole	2	EA
604.164	Rebuilding Catch Basin	6	EA
604.18	Adjusting Manhole or Catch Basin To Grade	1	EA
604.244	Catch Basin Type F4	4	EA
604.246	Catch Basin Type F5	1	EA
604.248	Catch Basin Type F6	2	EA
604.74	Special Drain	1	EA
605.09	6 inch Underdrain Type B	1,250	LF
606.353	Reflectorized Flexible Guardrail Marker	2	EA
606.356	Underdrain Delineator Post	2	EA
606.365	Guardrail, Remove, Modify, and Reset (Type 3B to 3C)	200	EA
607.19	Chain Link Fence - 8 Foot	46	LF

ESTIMATED QUANTITIES CONTINUED			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
607.2323	Chain Fence Gate 6'X8' Opening	1	EA
607.243	Remove Chain Link Fence	150	LF
607.39	Pedestrian Fence	280	LF
608.08	Reinforced Concrete Sidewalk	840	SY
608.15	Brick Sidewalk with Bituminous Base	130	SY
608.26	Curb Ramp Detectable Warning Field	85	SF
608.282	Granite Pavers with Concrete Base	250	SY
609.11	Vertical Curb Type I	1,200	LF
609.12	Vertical Curb Type I - Circular	95	LF
609.13	Vertical Bridge Curb Type I	1,635	LF
609.221	Terminal Curb Type I	94	LF
609.222	Terminal Curb Type I - Circular	20	LF
609.441	Curbing Removed And Stacked	1,250	LF
610.08	Plain Riprap	130	CY
610.16	Heavy Riprap	340	CY
610.18	Stone Ditch Protection	2	CY
610.21	River Stone (2"-3" Dia.)	6	CY
610.35	Amphitheater Stone Paving	330	SF
610.61	Natural Boulders	26	EA
613.319	Erosion Control Blanket	220	SY
615.07	Loam	460	CY
616.08	Sodding	480	SY
618.13	Seeding Method Number 1	3	Unit
619.12	Mulch	3	Unit
619.13	Bark Mulch	65	CY
619.14	Erosion Control Mix	10	CY
620.58	Erosion Control Geotextile	585	SY
621.129	Small Deciduous Trees 6'-8' Multistem Group A	10	EA
621.269	Large Decid. Trees 1 3/4"-2" cal. 10'-12' Group C B&B Multi Stem min 3 stem Clump Select	6	EA
621.285	Large Deciduous Trees 3"-3 1/2" Group A B&B	9	EA
621.389	Evergreen Shrubs 15'-18" Container Group A	203	EA
621.395	Evergreen Shrubs 18"-24" Container Group A	129	EA
621.546	Deciduous Shrubs 2'-3' Container Group A	98	EA
621.552	Deciduous Shrubs 3'-4' Container Group A	33	EA
621.71	Herbaceous Perennials 1 Gal Container Group A	756	EA
621.80	Two-Year Establishment Period Warrantee Bond	1	LS
621.98	Metal Landscape Edging	34	LF
626.11	Precast Concrete Junction Box	1	EA
626.22	Non-metallic Conduit	3,250	LF
626.221	Non-metallic Conduit, Concrete Encased	520	LF
626.411	18-inch Diameter Foundation	85	LF
627.733	4" White or Yellow Painted Pavement Marking Line	4,550	LF
627.75	White or Yellow Pavement & Curb Marking	410	SF
627.752	Temporary White or Yellow Pavement & Curb Marking	210	SF
627.77	Removing Pavement Markings	260	SF
627.78	Temporary 4" Painted Pavement Marking Line, White or Yellow	16,200	LF
629.05	Hand Labor, Straight Time	100	HR
631.10	Air Compressor (including operator)	40	HR
631.11	Air Tool (including operator)	40	HR
631.12	All Purpose Excavator (including operator)	60	HR
631.172	Truck - large (including operator)	60	HR
631.18	Chain Saw Rental (including operator)	40	HR
631.20	Stump Chipper Rental (including operator)	40	HR
631.21	Road Broom Rental (including operator & hauler)	40	HR
631.22	Front End Loader (including operator)	60	HR
631.32	Culvert Cleaner (including operators)	60	HR
633.01	Seat Walls	116	LF
634.160	Highway Lighting	1	LS
634.162	Park Lighting System (Brunswick)	1	LS
634.162	Park Lighting System (Topsham)	1	LS
634.2101	Type A Lighting Standard	33	EA
634.2102	Type B Lighting Standard	12	EA
639.18	Field Office, Type A	1	EA
642.17	Cast-in-place Concrete Steps: with Granite Treads	19	CY
642.183	Granite Step: Amphitheater	1	LS
643.62	Rectangular Rapid Flashing Beacon	10	EA
643.72	Temporary Traffic Signal: Brunswick Approach	1	LS
645.306	Flexible ReflectORIZED Delineator	2	EA
645.51	Special Signing	1	LS
652.312	Type III Barricades	6	EA
652.33	Drum	25	EA
652.34	Cone	75	EA
652.35	Construction Signs	1010	SF
652.361	Maintenance of Traffic Control Devices	1	LS
652.38	Flaggers	10,500	HR
652.41	Portable Changeable Message Signs	9	EA
656.75	Temporary Soil Erosion And Water Pollution Control	1	LS
658.20	Acrylic Latex Finish, Green	1,550	SY
659.10	Mobilization	1	LS
660.21	On The Job Training	2,000	HR
841.48	Bollards	3	EA
841.481	Removable Bollard	3	EA

ESTIMATED QUANTITIES: BRUNSWICK & TOPSHAM WATER DISTRICT			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
203.21	Rock Excavation	100	CY
403.207	Hot Mix Asphalt - 19 mm	200	TON
403.208	Hot Mix Asphalt - 12.5 mm	200	TON
461.131	Temporary Pavement	100	TON
501.25	Steel Casing - 30" Galvanized	40	LF
652.361	Maintenance of Traffic Control Devices	1	LS
652.38	Flaggers	200	HR
801.03	Test Pits	2	EA
802.10	12" Ductile Iron Watermain	20	LF
822.322	6-Inch Ductile Iron Pipe	130	LF
822.34	8" Class 52 Ductile Iron Pipe	20	LF
822.3701	16" Ductile Iron Water Main	800	LF
823.3105	12" Insertion Valve And Valve Box	1	EA
823.3112	16" Gate Valve With Box	2	EA
823.33	6" Gate Valve With Box	1	EA
824.30	Fire Hydrant	1	EA
825.322	2" Curb Stop	1	EA
825.3221	2" Corporation Stop	1	EA
825.333	1" Air Release Valve, Manual	1	EA
825.4221	2" Polyethylene Service	40	LF
825.5411	Temporary Watermain, 6"	1	LS
827.33	Trench Insulation	40	LF
830.104	Watermain Bridge Crossing, 16" Preinsulated	900	LF

ESTIMATED QUANTITIES: CONSOLIDATED COMMUNICATIONS			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
604.18	Adjust Manhole or Catch Basin To Grade	2	EA
629.05	Hand Labor, Straight Time	8	HR
652.38	Flaggers	144	HR
910.301	Special Work - Utility Conduit (CC - Approaches Only)	1	LS
910.301	Special Work - Utility Conduit (CC - Bridge Only)	1	LS

ESTIMATED QUANTITIES: CENTRAL MAINE POWER			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
604.158	Utility Vault (CMP)	1	EA
604.18	Adjust Manhole or Catch Basin To Grade	1	EA
652.38	Flaggers	100	HR
845.10	Structural Steel Utility Support (Elec. & Comms.)	0.5	LS
910.301	Special Work - Utility Conduit (CMP - Bridge Only)	1	LS
910.301	Special Work - Utility Conduit (CMP - Approach Only)	1	LS

ESTIMATED QUANTITIES: GWI, COMCAST, & FIRSTLIGHT			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
604.158	Utility Vault (GWI, Comcast & FirstLight)	2	EA
652.38	Flaggers	100	HR
845.10	Structural Steel Utility Support (Elec. & Comms.)	0.5	LS
910.301	Special Work - Utility Conduit (GWI, Comcast & FirstLight - Bridge Only)	1	LS
910.301	Special Work - Utility Conduit (GWI, Comcast & FirstLight - Approaches Only)	1	LS

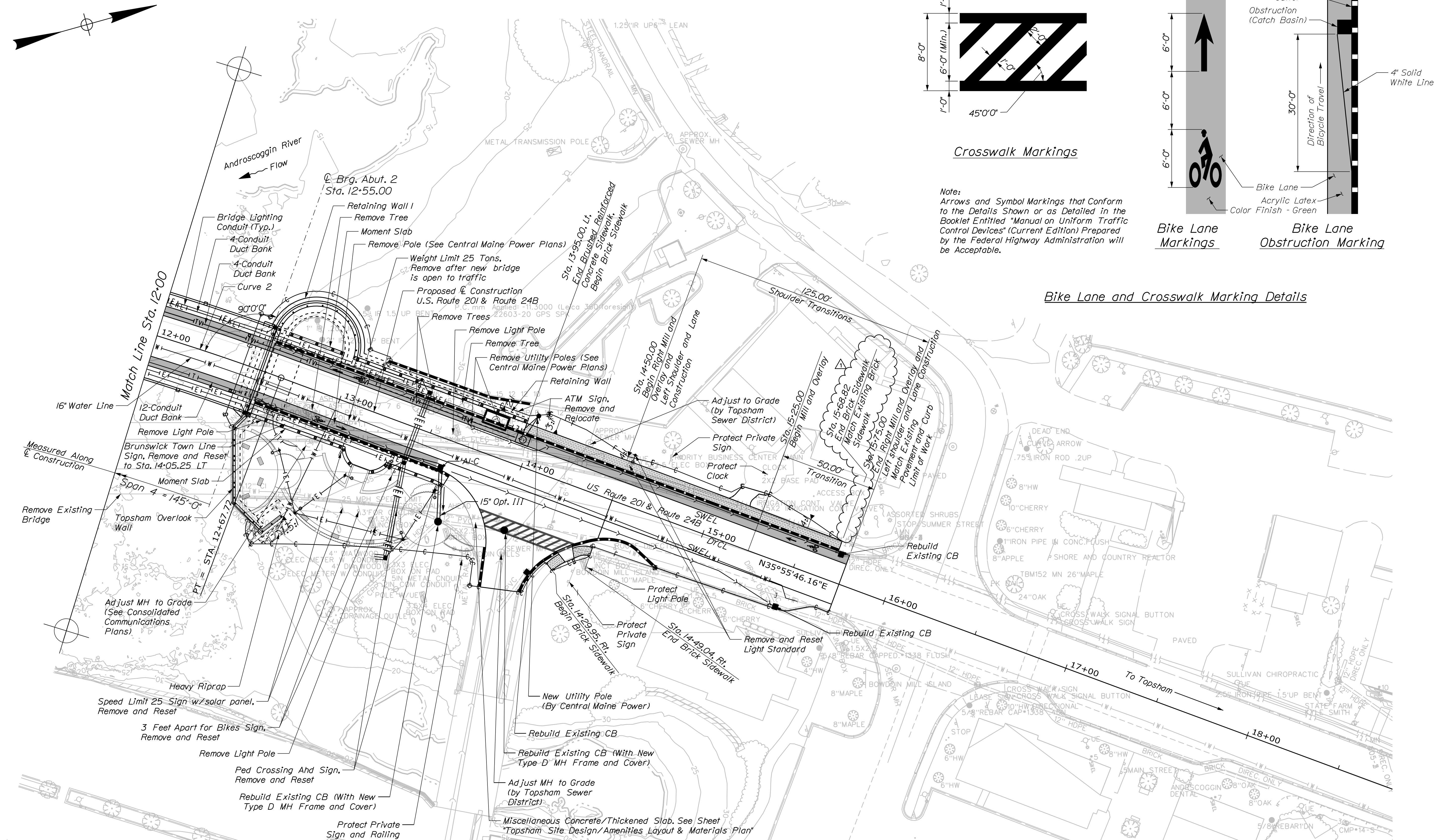
SHEET NUMBER 2C	FRANK J. WOOD BRIDGE ANDROSCOGGIN RIVER BRUNSWICK-TOPSHAM CUMBERLAND				PROJ. MANAGER DESIGN DET. TAILED CHECKED-REVIEWED DESIGN2-Detailed2 DESIGN3-DETAILED3	Scott Rollins D.Myers D.Bryant	BY 10/22 10/22	DATE SIGNATURE P.E. NUMBER	STATE OF MAINE DEPARTMENT OF TRANSPORTATION STP-2260(300)
	ESTIMATED QUANTITIES				REVISIONS Δ REVISIONS Δ REVISIONS Δ REVISIONS 4 FIELD CHANGES	DSM/S&M Est. Quantities DSM/DWB Add. Quantity DSM/DWB Est. Quantities	2/23 2/23 3/23	DATE	WIN 22603.00
									BRIDGE NO. 2016
									BRIDGE PLANS

Date: 3/12/2023

Username:

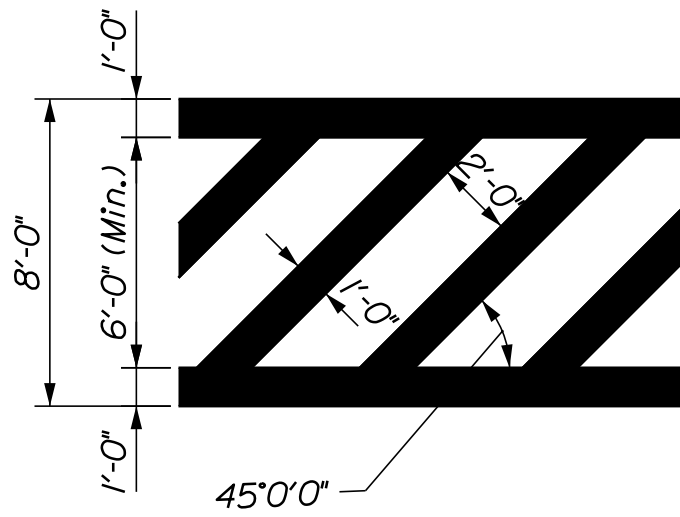
Division:

Filename: ... \106207_97\008A_HDPlan_03.DGN



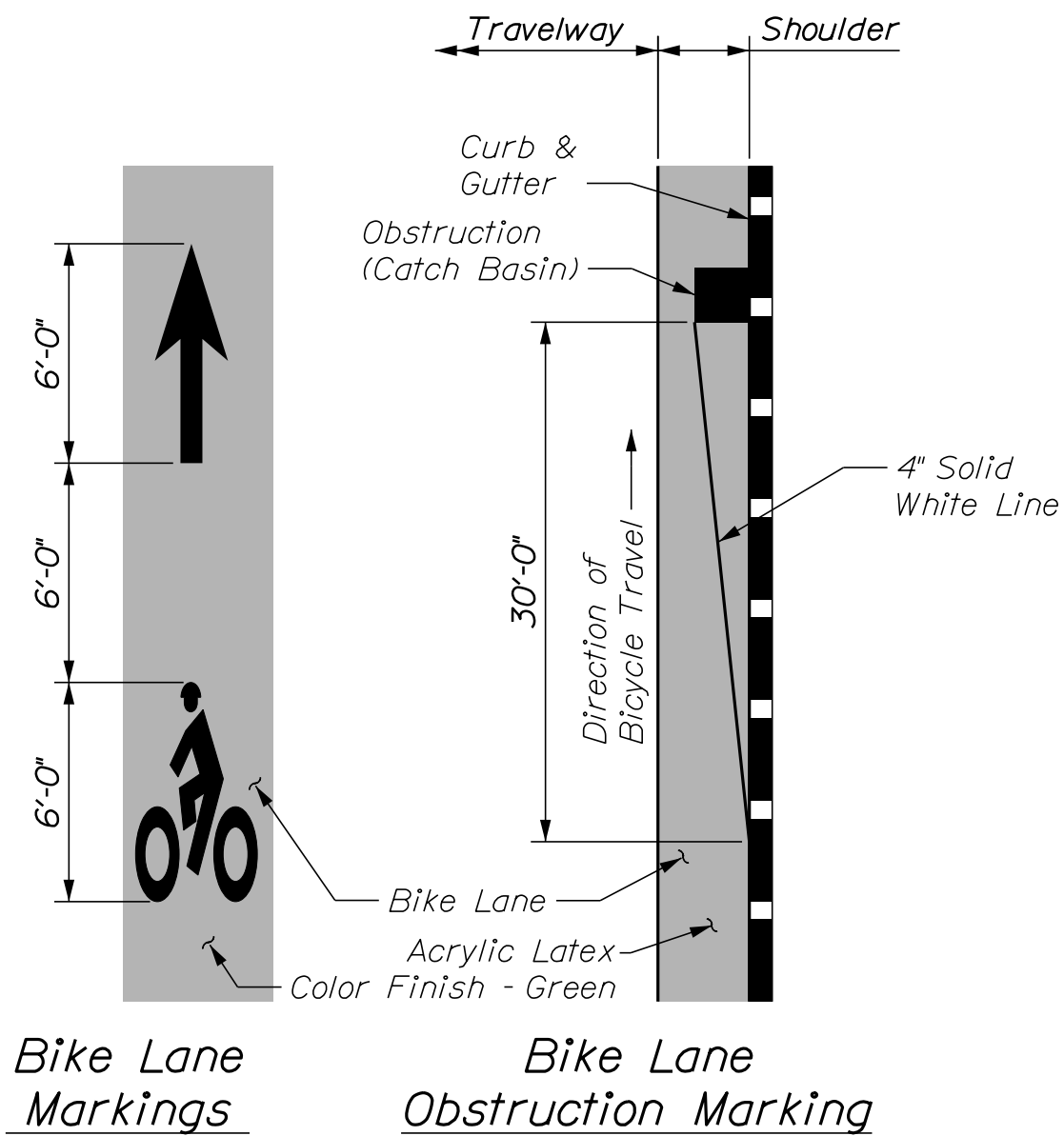
Notes:
1. Topsham Amenities, Sta. 12+55.00, RT, to Sta. 14+00.00, RT., and Sta. 12+55.00 LT. to Sta. 13+20.00, LT., are detailed in the Site Design/ Amenities Sheets.
3. Removal of existing brick sidewalks shall be considered incidental to excavation items.

PLAN



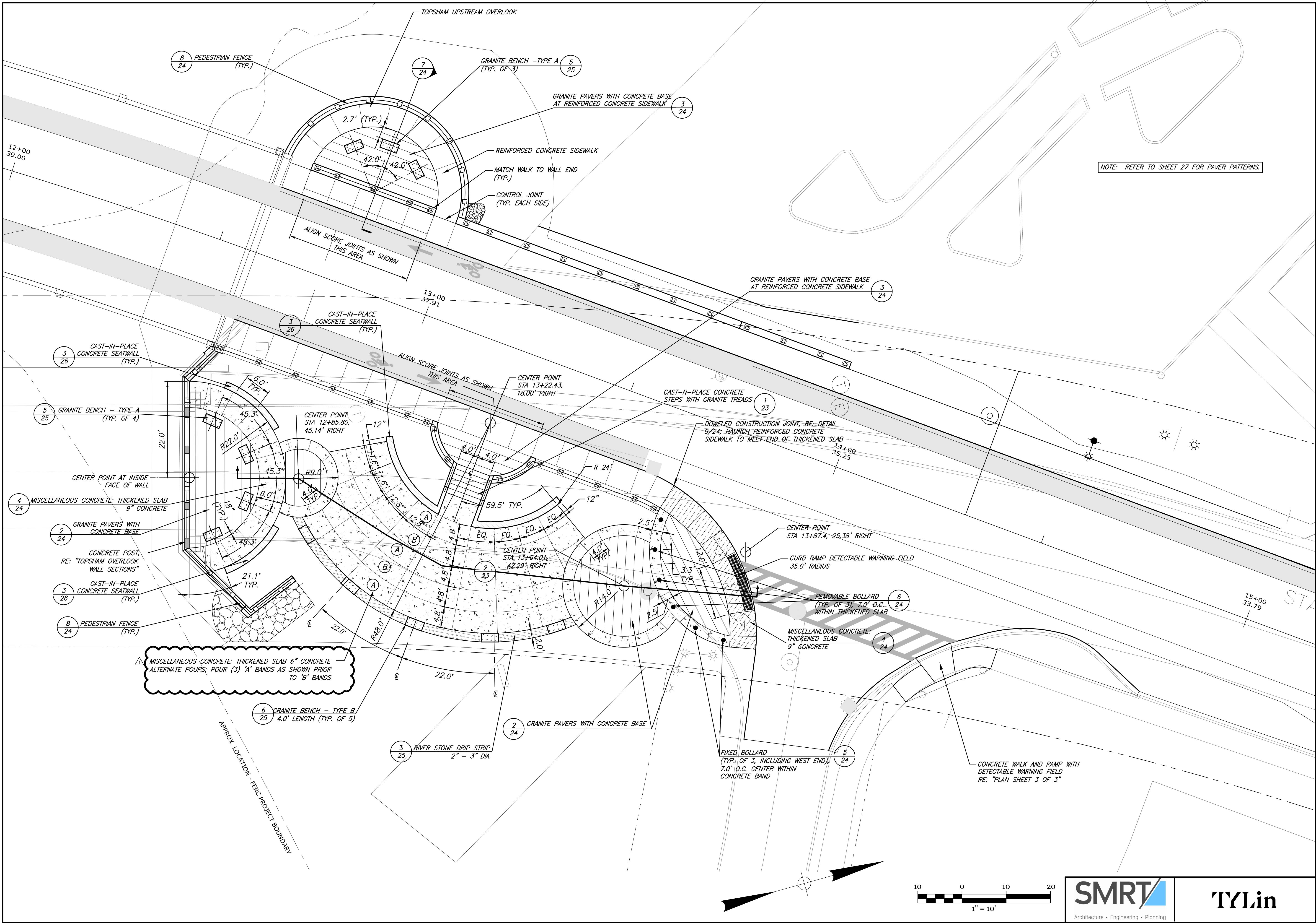
Crosswalk Markings

Note:
Arrows and Symbol Markings that Conform to the Details Shown or as Detailed in the Booklet Entitled "Manual on Uniform Traffic Control Devices" (Current Edition) Prepared by the Federal Highway Administration will be Acceptable.



Bike Lane and Crosswalk Marking Details

FRANK J. WOOD BRIDGE ANDROSCOGGIN RIVER BRUNSWICK-TOPSHAM			CUMBERLAND			STATE OF MAINE DEPARTMENT OF TRANSPORTATION		
PLAN			STP-2260(300)					
SHEET 3 OF 3			WIN 22603.00			BRIDGE NO. 2016		
SHEET NUMBER			BRIDGE PLANS					
8A			OF 163					
PROJ. MANAGER			SCOTT ROLLS			BY		
DESIGN-DETAILED			D.Burhans			DATE		
CHECKED-REVIEWED			I.Antz			7/20		
DESIGN2-DETAILED2			D.Bryant			7/20		
DESIGN3-DETAILED3						SIGNATURE		
REVISIONS Δ			DNB/SM: Added Note			P.E. NUMBER		
REVISIONS 2								
REVISIONS 3								
REVISIONS 4						DATE		
FIELD CHANGES								



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP-2260(300)
BRIDGE NO. 2016
WIN
22603.00
BRIDGE PLANS

MARK G. JOHNSON
NO. 1857
STATE OF MAINE
LICENSED LANDSCAPE ARCHITECT

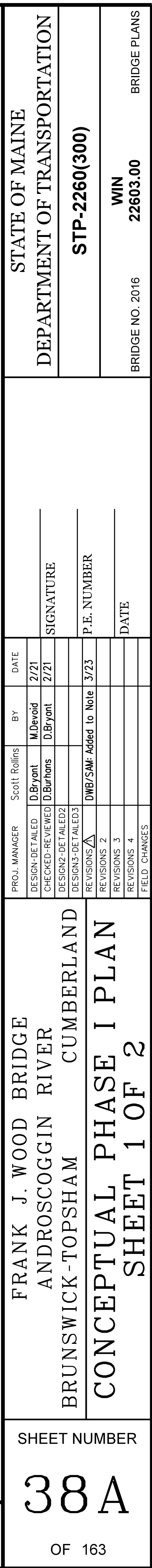
SIGNATURE
P.E. NUMBER
1857
DATE
12-17-21

FRANK J. WOOD BRIDGE
ANDROSCOGGIN RIVER
BRUNSWICK - TOPSHAM

CUMBERLAND
TOPSHAM SITE DESIGN/AMENITIES
LAYOUT & MATERIALS PLAN

SHEET NUMBER
20A
OF 163

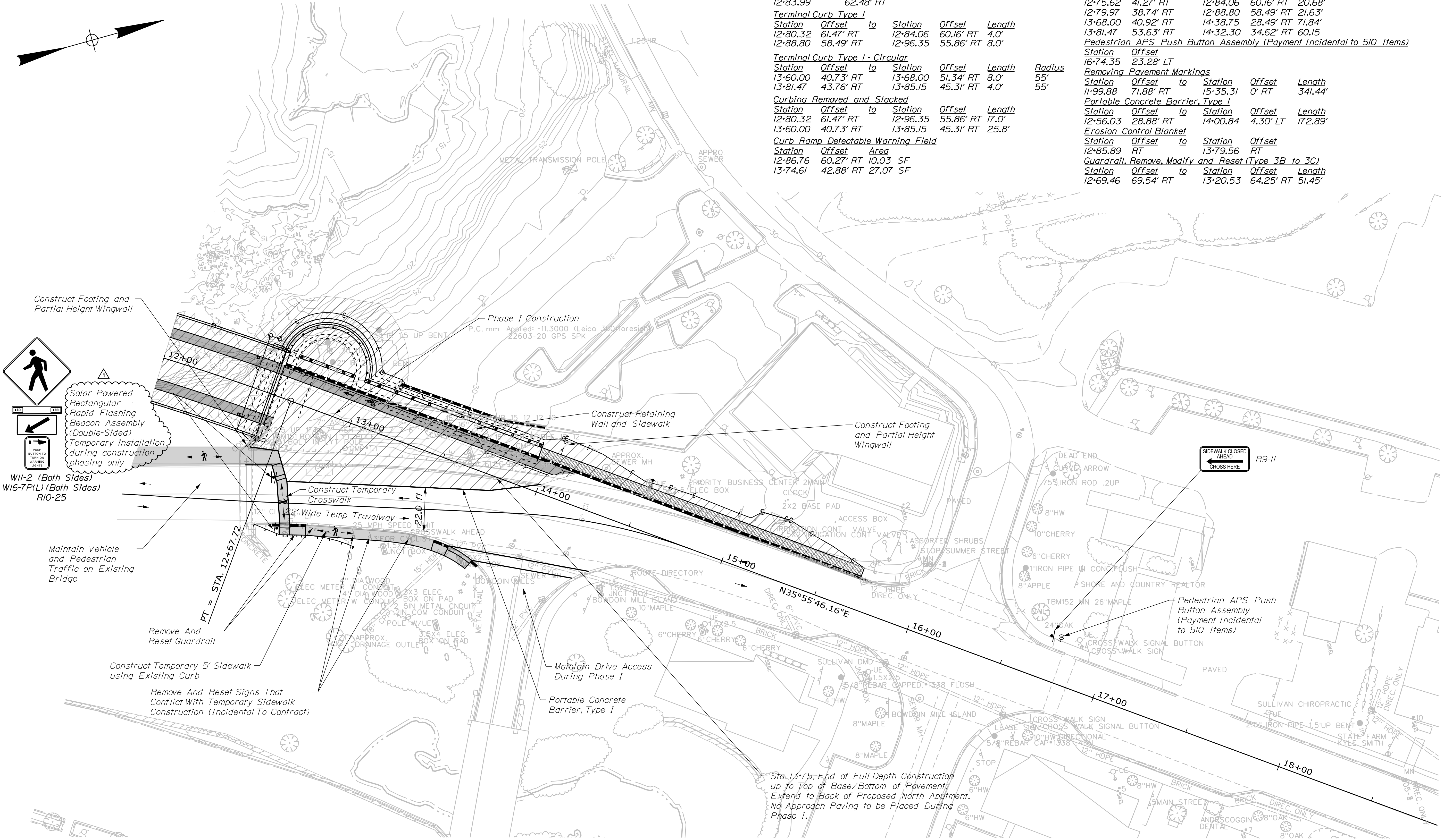
Filename: ... \038A_Phase_I_Plan_01.DGN



Username: Date:3/2/2023

Division:

Filename: ... \039A_Phase_I_Plan_02.DGN



CONSTRUCTION NOTES:

Rectangular Rapid Flashing Beacon (Phase I Only)

Station	Offset	
12+72.94	39.16' RT	
12+83.99	62.48' RT	

Terminal Curb Type I

Station	Offset	to	Station	Offset	Length
12+80.32	61.47' RT		12+84.06	60.16' RT	4.0'
12+88.80	58.49' RT		12+96.35	55.86' RT	8.0'

Terminal Curb Type I - Circular

Station	Offset	to	Station	Offset	Length	Radius
13+60.00	40.73' RT		13+68.00	51.34' RT	8.0'	55'
13+81.47	43.76' RT		13+85.15	45.31' RT	4.0'	55'

Curbing Removed and Stacked

Station	Offset	to	Station	Offset	Length
12+80.32	61.47' RT		12+96.35	55.86' RT	17.0'
13+60.00	40.73' RT		13+85.15	45.31' RT	25.8'

Curb Ramp Detectable Warning Field

Station	Offset	Area
12+86.76	60.27' RT	10.03 SF
13+74.61	42.88' RT	27.07 SF

Temporary 4" Painted Pavement Marking Line White or Yellow

Station	Offset	to	Station	Offset	Length
11+99.88	71.88' RT		15+35.31	0' RT	346.75'
12+75.62	41.27' RT		12+84.06	60.16' RT	20.68'
12+79.97	38.74' RT		12+88.80	58.49' RT	21.63'
13+68.00	40.92' RT		14+38.75	28.49' RT	71.84'
13+81.47	53.63' RT		14+32.30	34.62' RT	60.15'

Pedestrian APS Push Button Assembly (Payment Incidental to 510 Items)

Station	Offset
16+74.35	23.28' LT

Removing Pavement Markings

Station	Offset	to	Station	Offset	Length
11+99.88	71.88' RT		15+35.31	0' RT	341.44'

Portable Concrete Barrier, Type I

Station	Offset	to	Station	Offset	Length
12+56.03	28.88' RT		14+00.84	4.30' LT	172.89'

Erosion Control Blanket

Station	Offset	to	Station	Offset
12+85.89	RT		13+79.56	RT

Guardrail, Remove, Modify and Reset (Type 3B to 3C)

Station	Offset	to	Station	Offset	Length
12+69.46	69.54' RT		13+20.53	64.25' RT	51.45'

PLAN



Legend

- Phase I Construction
- Vehicle Traffic

STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

STP-2260(300)

BRIDGE NO. 2016

WIN

22603.00

BRIDGE PLANS

PROJ. MANAGER	SCOTT ROLLS	BY	DATE	SIGNATURE
DESIGN-DETAILED	D.Bryant	M.David	2/21	
CHECKED-REVIEWED	D.Bryant	D.Bryant	2/21	
DESIGN-DETAILED				
DESIGN-DETAILED				
REVISIONS 1			3/23	P.E. NUMBER
REVISIONS 2				DATE
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

FRANK J. WOOD BRIDGE

ANDROSCOGGIN RIVER

BRUNSWICK-TOPSHAM

CUMBERLAND

CONCEPTUAL PHASE I PLAN

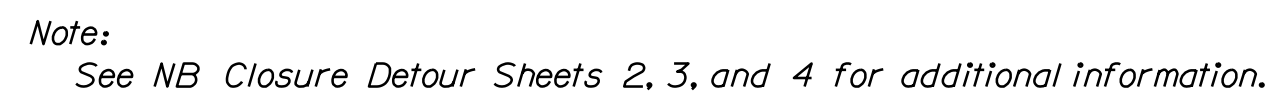
SHEET 2 OF 2

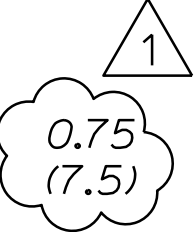
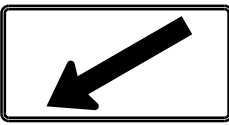
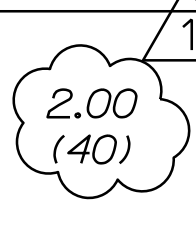
SHEET NUMBER

39A

OF 163





IDENTIFI- CATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET	NOTES
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK- GROUND	LEGEND BORDER			
R3-5 (LEFT)	30"	36"		TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS" - 2009			1	WHITE	BLACK/ RED		7.50 (7.5)	
R5-1	24"	24					2	WHITE	RED		4.00 (8)	
R9-9	24"	12"					3	WHITE	BLACK		2.00 (6)	
R9-11	24"	18"					1	WHITE	BLACK		3.00 (3)	
R10-25	9"	12"					 10	WHITE	BLACK		 0.75 (7.5)	PAID UNDER ITEM 643.62
R11-2	48"	30"					3	WHITE	BLACK		10.00 (30)	
R11-3b (BRIDGE CLOSED)	60"	30"					3	WHITE	BLACK		12.50 (25)	
W11-2	30"	30"					 20	YELLOW	BLACK		 6.25 (25)	PAID UNDER ITEM 643.62
W16-7P (LEFT)	24"	12"					 20	YELLOW	BLACK		 2.00 (40)	PAID UNDER ITEM 643.62
W20-1 (AHEAD)	36"	36"					3	ORANGE	BLACK		9.00 (24)	
W20-2 (AHEAD)	36"	36"					1	ORANGE	BLACK		9.00 (9)	
	48"	48"					1	ORANGE	BLACK		16.00 (16)	

TYLin

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-2260(300)

BRIDGE NO. 2016
WIN
22603.00
BRIDGE PLANS

ANDROSCOGGIN RIVER
BRUNSWICK-TOPSHAM
CUMBERLAND

CLOSURE SIGN SUMMARY
SHEET 3 OF 4

PROJ. MANAGER
DESIGN-DETAILED
CHECKED-REVIEWED
DESIGN-DETAILED
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

Scott Rollins
B.Toothaker
J.Rollins
DWB/SMR
Revised Quant.

BY
B.Toothaker
D.Bryant

DATE
3/22
3/22
3/23

SIGNATURE
P.E. NUMBER
DATE

SHEET NUMBER

51A

OF 163