



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

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

February 28, 2023
Subject: Frank J. Wood Bridge Replacement
State WIN: 022603.00
Location: **Brunswick & Topsham**
Amendment No. 2

Dear Sir/Ms.:

Make the following changes to the Bid documents:

In the bid book:

REMOVE pages 16-32, PROPOSAL SCHEDULE OF ITEMS, 17 pages dated 2/21/23 and **REPLACED** with attached pages 16-32, PROPOSAL SCHEDULE OF ITEMS, 17 pages dated 2/27/23.

In the plan set:

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

REMOVE sheet 130, TRANSVERSE SECTION, 1 sheet dated 4/20 and **REPLACE** with attached Sheet 130A, TRANSVERSE SECTION, 1 sheet dated 2/23.

REMOVE sheet 157A, LIGHTING PLAN, 1 sheet dated 2/23 and **REPLACE** with attached Sheet 157B, LIGHTING PLAN, 1 sheet dated 2/23.

REMOVE sheet 159, LIGHTING PLAN, 1 sheet dated 8/20 and **REPLACE** with attached Sheet 158A, LIGHTING PLAN, 1 sheet dated 2/23.

REMOVE sheet 159, LIGHTING PLAN, 1 sheet dated 8/20 and **REPLACE** with attached Sheet 159A, LIGHTING PLAN, 1 sheet dated 2/23.

The following questions have been received:

Question: Could the Lighting Plan Drawings # 157, 158, and 159 be re-issued indicating only the lighting conduits and Circuits. Also indicating which conduits are to be concrete encased?

Response: See above changes to the bid documents.

Question: MaineDOT Environmental Summary Sheet attached at the end of the Bid Book references to see Special Provisions 105 for Avoidance & Minimization Measures, and Special Provision 105 for Conservation Recommendations. These Special Provisions 105 sections were not explicitly found. Please provide.

Response: The ENV Summary Sheet is a list of reviews that were completed and is provided in the Bid Book for informational purposes only. Avoidance and Minimization Measures (AMMs) from Endangered Species Act Consultation and Conservation Recommendations from Essential Fish Habitat Consultation that are not covered by the Standard Specifications are listed as requirements in the Special Provision 105 Environmental Requirements. The following link provides the documents related to Environmental Process and Review. Under Environmental Assessment there is a PDF of the Finding of No Significant Impact, which lists all the commitments (see page 10 for AMMs and page 12 for Conservation Recommendation).

<https://www.maine.gov/mdot/env/frankjwood/>

Question: As noted in the US Army Corps of Engineers permit there is a mitigation fee of \$20,972 to the Natural Resource Mitigation Fund. Is this being paid by MaineDOT or does the contractor need to include these costs in their bid?

Response: That is paid for by MaineDOT.

Question: Does the insulation on the existing water line contain asbestos? If so, how is handling and disposal of this material paid?

Response: No, the insulation on the existing water line does not contain asbestos.

Question: Please provide a sketch for the intended location of Item 524.301 Temporary Structural Support for both the Brunswick, and Topsham abutments.

Response: Temporary Structural Support for both Brunswick and Topsham abutments is the Contractor's responsibility to design/locate based on their means and methods.

Question: If the Department elects to suspend work temporarily in the event of a legal challenge subsequent to contract award, it appears that the Contractor would be entitled to an equitable adjustment for time but not for compensation under section 109. In order to mitigate this risk, we request the following changes by Special Provision to the Standard Specifications:

1. In 109.7.2 Basis of Payment insert “,including for suspension,” after the first word ‘Adjustments’
2. In 109.5.1.B Compensable Delay add #6) By order of a court or a decision of the Department due to a legal challenge or issue. NOTE: this is necessary to make costs incurred as a result of suspension compensable.
3. In 112.2.2 Termination for Convenience add “Suspension or...” to the first sentence of the second paragraph so it reads: “In the case of a Suspension or Termination for Convenience, the Department will pay...”

Response: If the Department elected to suspend work as described, the Department would consider it to be a Suspension for Convenience per 107.5.4. The following revision is made to 109.5.1 to clarify such a suspension will be considered a compensable delay.

Revise 109.5.1.B by removing it and replacing it with:

B. Compensable Delay A “Compensable Delay” is a Delay to the Critical Path that is directly and solely caused by: (1) a weather-related Uncontrollable Event of such an unusually severe nature that a Federal Emergency Disaster is declared. The Contractor will be entitled to an Equitable Adjustment under this Section only if the Project falls within the geographic boundaries prescribed under the disaster declaration and receives project-specific emergency funds, and the Contractor can show proof that the Work was delayed by this weather event, (2) an Uncontrollable Event caused by a Utility Company for which the Utility Company reimburses the Department, (3) an Uncontrollable Event caused by other third party (not Subcontractors) Working on Project-related Work within the Project Limits if, and only if, the such other third party offers the Department reimbursement for such Delay, or (4) acts by the Department that are in violation of applicable laws or the Contract, (5) a flooding event at the affected location of the Project that results in a Q50 headwater elevation, or greater, or (6) Suspensions for Convenience.

Theoretical Q50 headwater elevations will be determined by the Department; actual headwater elevations will be determined by the Contractor and verified by the Department.

Question: There is no pay item for Temporary Construction Access. Can this item be added?

Response: No item will be added for Temporary Construction Access.

Question: Note #8 on sheet 130 states the permanent concrete barrier reinforcing steel is to be stainless steel. Can Low-carbon chromium bars be substituted.

Response: See above changes to the bid documents.

Question: Can the Department provide the existing ground digital terrain model (.DTM) for the project site?

Response: Yes, the file is posted to the website.

Question: Can the Englishman's Bay (Pink) granite and the Chelmsford (Gray) granite be replaced with Deer Isle (Gray) granite?

Response: Material shall be bid as specified in the Bid Book. After award, alternative samples may be submitted to the Resident for consideration. The Contractor shall hold a pre-construction masonry meeting prior to ordering any materials.

Question: Due to the complexity of this project, and non standard bid items we request the bid date be extended by 1 week to 3-15-2023.

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

Question: What is page 27 referring to in addendum #1?

Response: Page 27 should be between pages 9 and 10.

Question: It seems as though crash cushions will be required during both phases of construction. How will these be paid for?

Response: See above changes to the bid documents.

Question: Does the weight listed for item 202.19 Removing Existing Bridge on sheet 2 of 163 Estimated Quantities include the Rosphalt Overlay?

Response: The weight listed for Item 202.19 is estimated and only includes steel.

Question: What is the department's estimated quantity of steel that will be removed as part of the existing bridge demolition?

Response: The weight listed for Item 202.19 on Sheet 2 of 163 Estimated Quantities is an approximate quantity of steel.

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

Sincerely,



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

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Proposal Schedule of Items

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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	_____	_____	_____	_____

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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	_____	_____	_____	_____

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			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				

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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	_____	_____

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			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	_____	_____	_____	_____

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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	_____	_____	_____	_____

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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	_____	_____	_____	_____

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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	_____	_____	_____	_____

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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	301.000 SF	_____	 _____	_____	 _____
1070	610.61 NATURAL BOULDER	26.000 EA	_____	 _____	_____	 _____

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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	_____	_____	_____	_____

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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	320.000 LF	_____	_____	_____	_____
1290	626.411 18 INCH DIAMETER FOUNDATION	130.000 LF	_____	_____	_____	_____
1300	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	4,550.000 LF	_____	_____	_____	_____

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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	_____	_____	_____	_____

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Maine Department of Transportation

Proposal Schedule of Items

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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		_____	_____

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Proposal Schedule of Items

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Proposal ID: 022603.00

Project(s): 022603.00

SECTION: 1 INITIAL GROUP

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
1540	643.62 RECTANGULAR RAPID FLASHING BEACON	4.000 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	860.000 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	_____	_____	_____

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Proposal Schedule of Items

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Proposal ID: 022603.00

Project(s): 022603.00

SECTION: 1 INITIAL GROUP

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
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	_____	_____	_____	_____

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Proposal ID: 022603.00

Project(s): 022603.00

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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		_____	_____

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Proposal Schedule of Items

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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:		_____	_____

Date:2/27/2023

Username:

Division:

Filename: ... \002B_Estimate_01.dgn

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	301	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	320	LF
626.411	18-inch Diameter Foundation	130	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 Steps, Amphitheater	1	LS
643.62	Rectangular Rapid Flashing Beacon	4	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	860	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

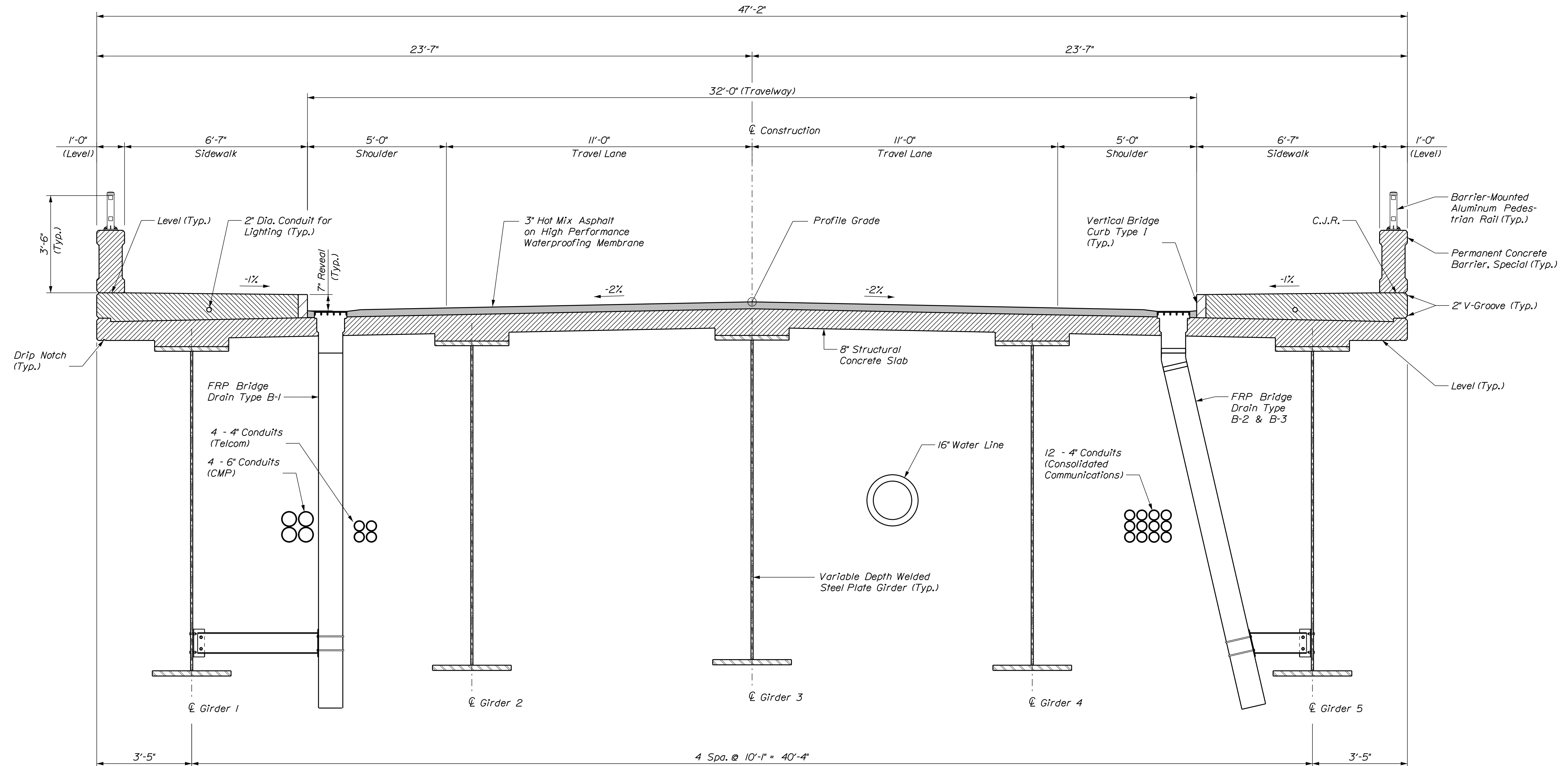
ESTIMATED QUANTITIES: CONSOLIDATED COMMUNICATIONS			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
604.18	Adjust Manhole or Catch Basin To Grade	2	EA
629.05	Hand Labor, Straight Time	8	HR
652.38	Flaggers	144	HR
910.301	Special Work - Utility Conduit (CC - Approaches Only)	1	LS
910.301	Special Work - Utility Conduit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


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DEPARTMENT OF TRANSPORTATION			
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TRANSVERSE SECTION

SUPERSTRUCTURE NOTES

1. The theoretical blocking used for design of the structure is 5/2 inches at the centerline of bearing of the abutments and piers. Refer to Standard Detail 502(03) for blocking details.
2. Reinforcing steel shall have a minimum concrete cover of 2 inches unless otherwise noted.
3. Adjust reinforcing steel to fit around the bridge drains in a manner approved by the Resident. Do not cut transverse reinforcing bars.
4. Form a two-inch V-groove on the fascias at the horizontal joint between the sidewalk and slab and at the horizontal joint between the concrete barrier and the sidewalk.
5. The sidewalk shall include tooled control joints spaced evenly at 6'-0" maximum. Joints shall be perpendicular to the curb line, shall be 1" minimum depth, and shall have a 1/4" radius edge minimum. Tooled control joints shall be placed symmetrically on either side of the roadway. (Joint spacing on the inside of the curve will be slightly less than 6'-0").
6. Unless the superstructure slab concrete is placed in one continuous operation, the placements shall follow the Deck Pour Sequence identified on the plans. Successive placements shall proceed from the low end of the placement. Concrete in a placement shall be kept plastic until the entire section has been placed. A minimum of 5 days shall elapse between successive placements. The superstructure slab concrete placement sequence shall be approved by the Resident.
7. Mortar for bedding and for joints in the granite curb shall contain an approved non-shrink additive.
8. Permanent Concrete Barrier reinforcing steel shall be Low-Carbon Chromium 
9. The Contractor shall install Permanent Concrete Barrier vertical stirrups, as shown on "Concrete Barrier Details" sheets, prior to the placement of sidewalk concrete.
10. With the exception of localized concrete joint header blockouts, the superstructure slab and backwall concrete shall be in place before the Expansion Device is fixed in position.
11. The use of Precast Concrete Deck Panels will not be allowed on this project.

LEGEND:

C.J.R. = Construction Joint, Roughen Surface 1/4" profile Min.

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OFFICE OF MARINE
DEPARTMENT OF TRANSPORTATION

SIP-2260(300)

BRIDGE NO. 2016	22603.00	BRIDGE PLANS
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SIGNATURE

07/14/20	07/14/20			
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UNIT A

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J. W. SCODD AND H. V. HARRIS

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THE ANTI-CRACK-TEST

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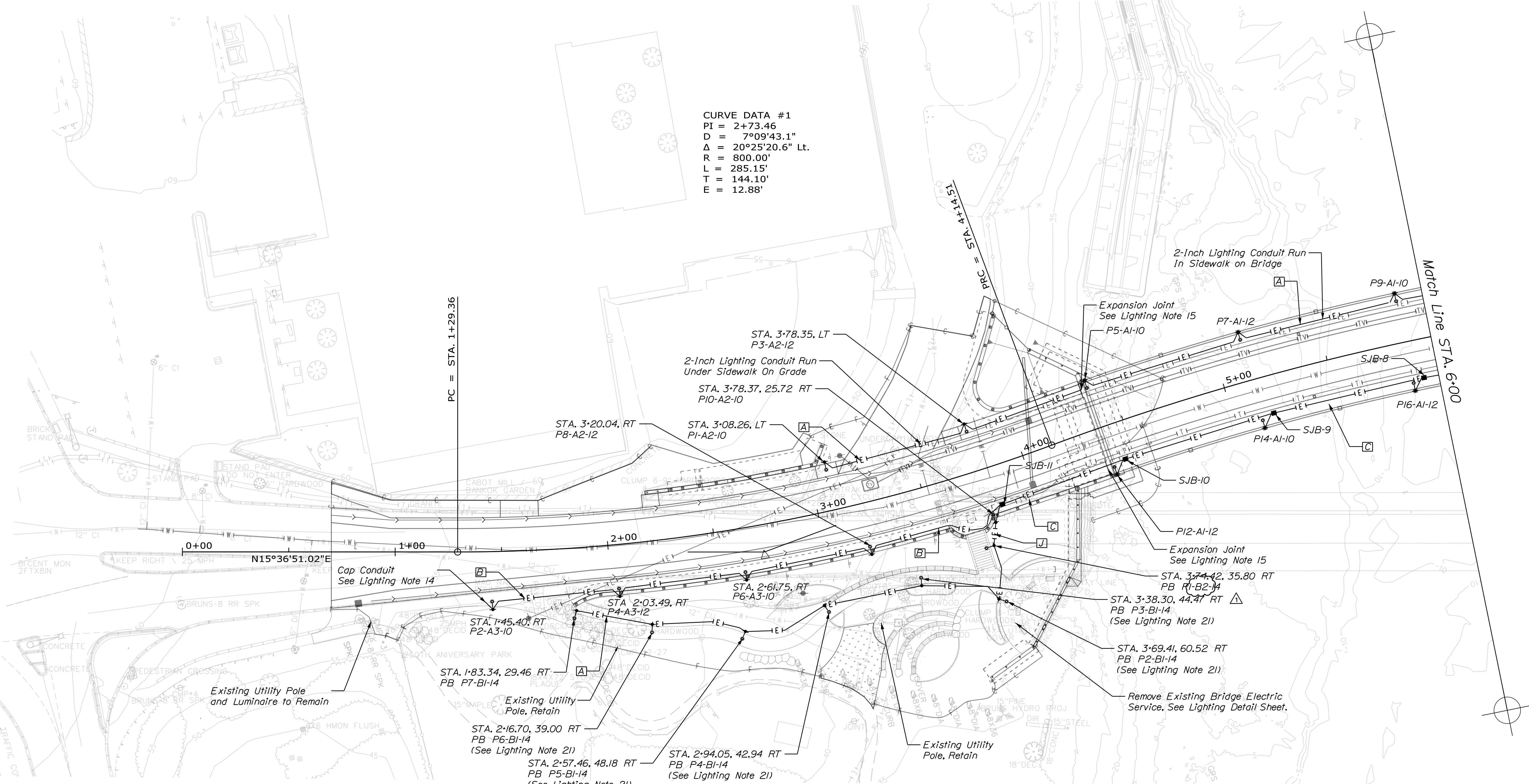
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Division:

Filename: ...\\106273_43\\157B_Lighting_01.DGN

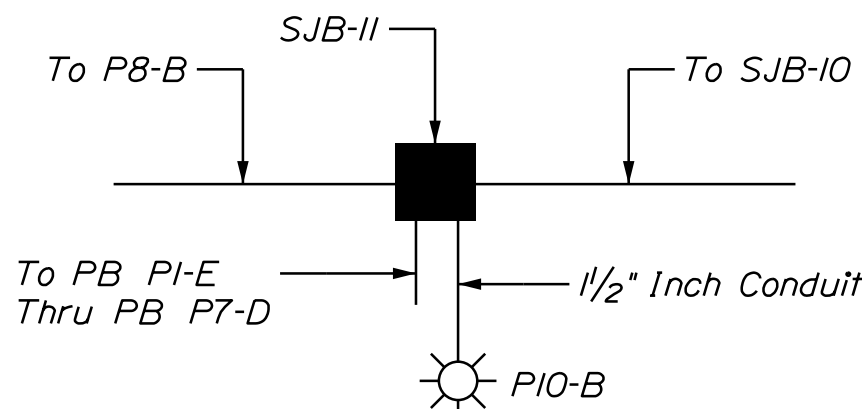


CURVE DATA #1
PI = 2+73.46
D = 7°09'43.1"
Δ = 20°25'20.6" Lt.
R = 800.00'
L = 285.15'
T = 144.10'
E = 12.88'

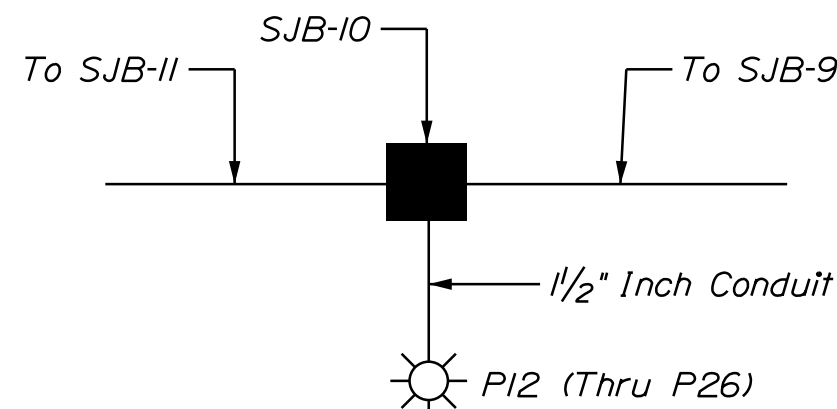
LEGEND

- +—+— Conduit
 - *+ Light Fixture and Pole
 - Junction Box or Handhole (Refer to Note)
- P2-A3-10 P2 = Pole Number A3 = Pole Type 10 = Cir. No.
- PB Indicates Pole Located in Brunswick Park
- For Lighting Notes See Sheet "Lighting Notes, Schedules, & Details".

WIRE SCHEDULE			
A	3	*10 & *10 GR.	
B	3	*8 & *8 GR.	
C	2	*1/0; 2 *3; 3 *8; 3 *10; *1/0 GR.	
J	2	*1/0; 2 *3; 3 *10; *1/0 GR.	



DETAIL AT SJB-II
See Note 16, Lighting Notes, & Details Sheet



DETAIL AT SJB-3 THRU SJB-10
See Note 16, Lighting Notes, & Details Sheet

PROJ. MANAGER	SCOTT ROLLS	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
CHECKED-DETAILED	C. Anderson	P. McClure	7/20			
DESIGNED-DETAILED	S. Ficker		8/20			
DESIGNED-DETAILED	DSM/SM	Edi Note	2/23			
REVISIONS	3	DSM Update Transparency	2/23			
REVISIONS	4	FIELD CHANGES				



Filename: ... \106273_44\158A_Lighting_02.DGN

Division:

Username:

Date: 2/24/2023

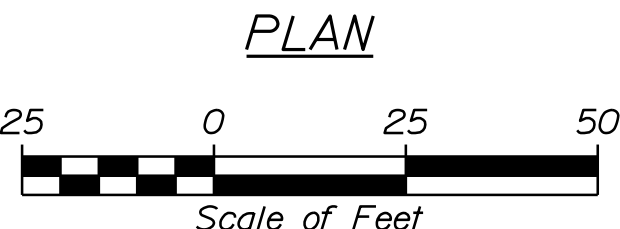
LEGEND

- |— Conduit
*+ Light Fixture and Pole
■ Junction Box or Handhole (Refer to Note)

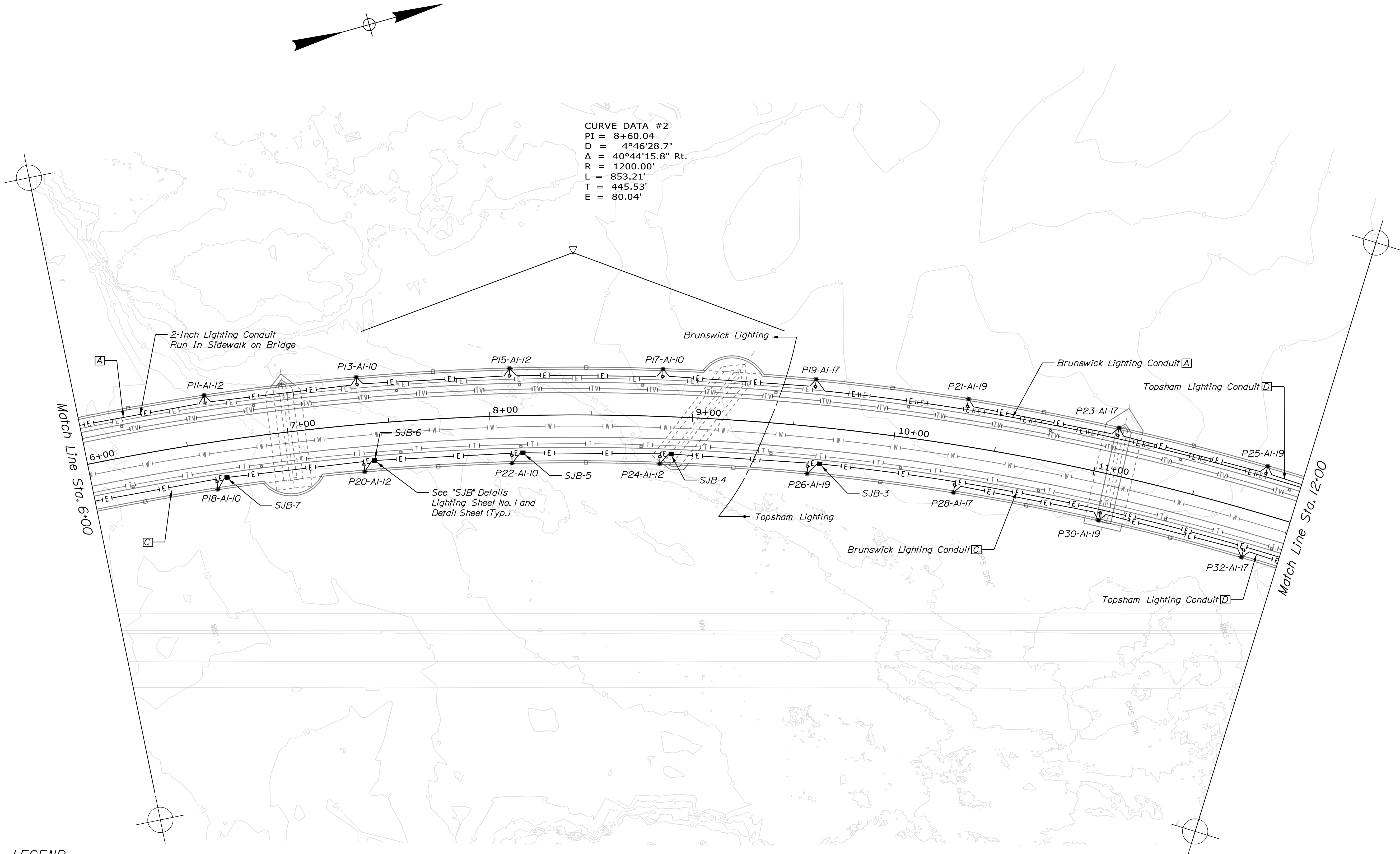
P2-A3-I0 P2 = Pole Number A3 = Pole Type I0 = Cir. No.

For Lighting Notes See Sheet "Lighting Notes, Schedules, & Details".

WIRE SCHEDULE	
A	3 #10 & #10 GR.
B	3 #8 & #8 GR.
C	2 #1/0, 2 #2, 3 #8, 3 #10, #1/0 GR.
D	3 #12 & #12 GR.



CURVE DATA #2
PI = 8+60.04
D = 4°46'28.7"
Δ = 40°44'15.8" Rt.
R = 1200.00'
L = 853.21'
T = 445.53'
E = 80.04'



PROJ. MANAGER	SCOTT ROLLS	BY	DATE
DESIGN DETAIL	C. Anderson	P. McClure	7/20
CHECKED/REVIEWED	S. Ficker		8/20
DESIGNS DETAIL			
DESIGNS DETAIL	DSM Update	Transparency	2/23
REVISIONS	2		
REVISIONS	3		
REVISIONS	4		
FIELD CHANGES			

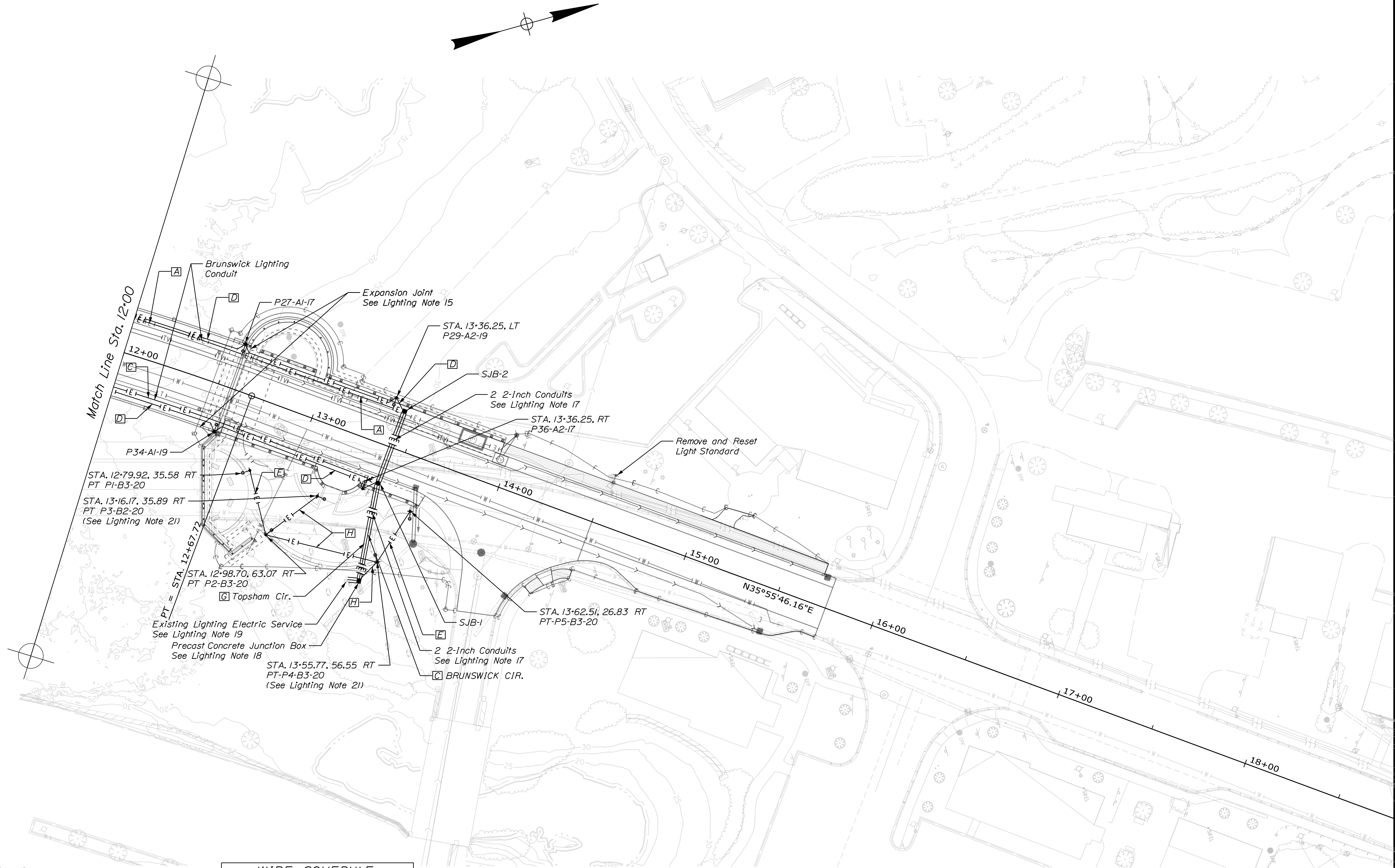
FRANK J. WOOD BRIDGE ANDROSCOGGIN RIVER BRUNSWICK-TOPSHAM CUMBERLAND	LIGHTING PLAN
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Date:2/24/2023

Username:

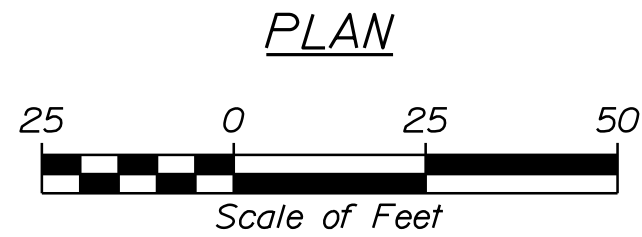
Division: Filename: ... \106273_45\159A_Lighting_03.DGN



LEGEND

- Conduit
- Light Fixture and Pole
- Junction Box or Handhole (Refer to Note)
- P2-A3-10 P2 = Pole Number A3 = Pole Type 10 = Cir. No.
- PT Indicates Pole Located in Topsham Park
- For Lighting Notes See Sheet "Lighting Notes, Schedules, & Details".

WIRE SCHEDULE	
A	3 #10 & #10 GR.
B	3 #8 & #8 GR.
C	2 #1/0, 2 #2, 3 #8, 3 #10, #1/0 GR.
D	3 #12 & #12 GR.
E	2 #12 & #12 GR.
G	6 #12 & #12 GR.
H	2 #6, 2 #10, 2 #12 & #6 GR.



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-2260(300)

BRIDGE NO. 2016
WIN
22603.00
BRIDGE PLANS

FRANK J. WOOD BRIDGE
ANDROSCOGGIN RIVER
BRUNSWICK-TOPSHAM
CUMBERLAND

REVISIONS
1
2
3
4
FIELD CHANGES

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

SCOTT ROLLS
C. ANDERSON
S. FICKER
DSM Update
TRANSPARENCY

BY
P. MCCLURE
C. ANDERSON

DATE
7/20
8/20

SIGNATURE

P.E. NUMBER

DATE

SHEET NUMBER

159A

OF 163

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LIGHTING PLAN