



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

Janet T. Mills  
GOVERNOR

Bruce A. Van Note  
COMMISSIONER

November 2, 2021  
Subject: Approach Road Bridge  
Replacement & Merrill Road Bridge  
Replacement  
State WINs: 021726.01  
Location: **Freeport**  
**Amendment No. 3**

Dear Sir/Ms.:

Please make the following changes to the Bid Documents:

In the Bid Book:

**REMOVE** pages 17 – 34, Proposal Schedule of Items, 18 pages, dated 9/15/2021, and **REPLACE** with the attached, revised Proposal Schedule of Items, 18 pages, dated 11/2/2021.

In the Plan Set:

WIN 23627.00 Merrill Road

**REMOVE** SHEET NUMBER 2 OF 138, “ESTIMATED QUANTITIES” and **REPLACE** with the attached, revised SHEET NUMBER 2 OF 138, “ESTIMATED QUANTITIES”.

WIN 21726.00 Approach Road

**REMOVE** SHEET NUMBER 2 OF 144, “ESTIMATED QUANTITIES” and **REPLACE** with the attached, revised SHEET NUMBER 2 OF 144, “ESTIMATED QUANTITIES”.

**REMOVE** SHEET NUMBER 129 OF 144, “SUPERSTRUCTURE REINFORCING” and **REPLACE** with the attached, revised SHEET NUMBER 129 OF 144, “SUPERSTRUCTURE REINFORCING”.

**REMOVE** SHEET NUMBER 139 OF 144, “REINFORCING SCHEDULE SUPERSTRUCTURE” and **REPLACE** with the attached, revised SHEET NUMBER 139 OF 144, “REINFORCING SCHEDULE SUPERSTRUCTURE”.

The following questions have been received:

**Question:** On plan sheet 116 of the Approach Road bridge and plan sheet 112 of the Merrill Road bridge the abutments are called out to be backfilled with gravel borrow (except for abutment 1 on the

Approach Road bridge which is called out as granular borrow). There is no gravel borrow (203.26) listed in the schedule of items for this project. How is the gravel borrow paid or is it incidental?

**Response:** On Sheet 2 of 138 (WIN 23627.00 Merrill Road) and Sheet 2 of 144 (WIN 21726.00 Approach Road), Item 203.26 Gravel Borrow is listed, quantity 1,476 CY and 770 CY, respectively. In the Bid Book, on page 17, the last line is Item 203.26 Gravel Borrow with a total quantity of 2,193 CY.

**Question:** Please confirm rebar weights.

The rebar schedule seems to be missing bar marks shown on the reinforcing plans.

On sheet 129 of 144, the following bars are missing from the schedule: S551, S552, S553, S554, S555, S650.

The Merrill Rd Bridge reinforcing schedule weight is about 3 tons more than the estimated quantity Item 503.26.

**Response:** Please see aforementioned plan set changes. There are no changes to the estimated quantity of Item 503.26 and 503.27 for WIN 21726.00.

**Question:** Is an aerial utility swap to the side opposite of the construction phase on either bridge possible? As shown on the plans there is a large interference for phase 2 work for both bridges which will add significant costs.

**Response:** No, the utility moves in the Special Provisions and plans apply.

**Question:** In the 107 specification note 1bii it states that off/on ramps closures will be allowed for critical construction activities where it is impractical to maintain a suitable travel way as approved by the resident. Is the pier work at exit 20 and exit 22 considered critical construction activities and will ramp closures be allowed for this work in order to push traffic away from the median create a safe workzone for the traffic and construction crews?

**Response:** Yes. As approved by the Resident.

**Question:** It currently seems that there are a large number of work items that are incidental to the pier construction maintenance of traffic. Can the following work items have unit price bid items added to the project? Rumble strip removal/reinstall, guardrail removal/reset? Can quantities be adjusted on temporary pavement and striping?

**Response:** Please see updated Estimated Quantity Sheets for both projects. Removal of rumble strips shall be incidental. Re-installing rumble strips is not required. If the Contractor's traffic control requires traffic to travel on shoulders that are less than 10 ft wide, grind and replace a minimum of 4" of pavement before traffic shifts.

**Question:** Will a speed reduction for the pier work at exit 20 and exit 22 be allowed and what will the speed be reduced to? What will the required taper length be to get traffic back onto mainline?

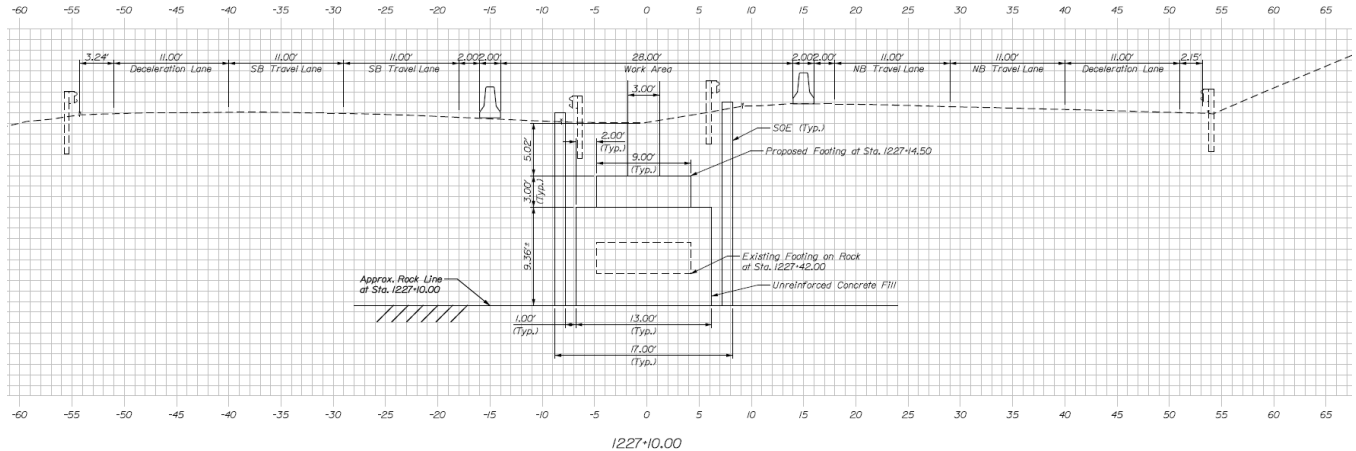
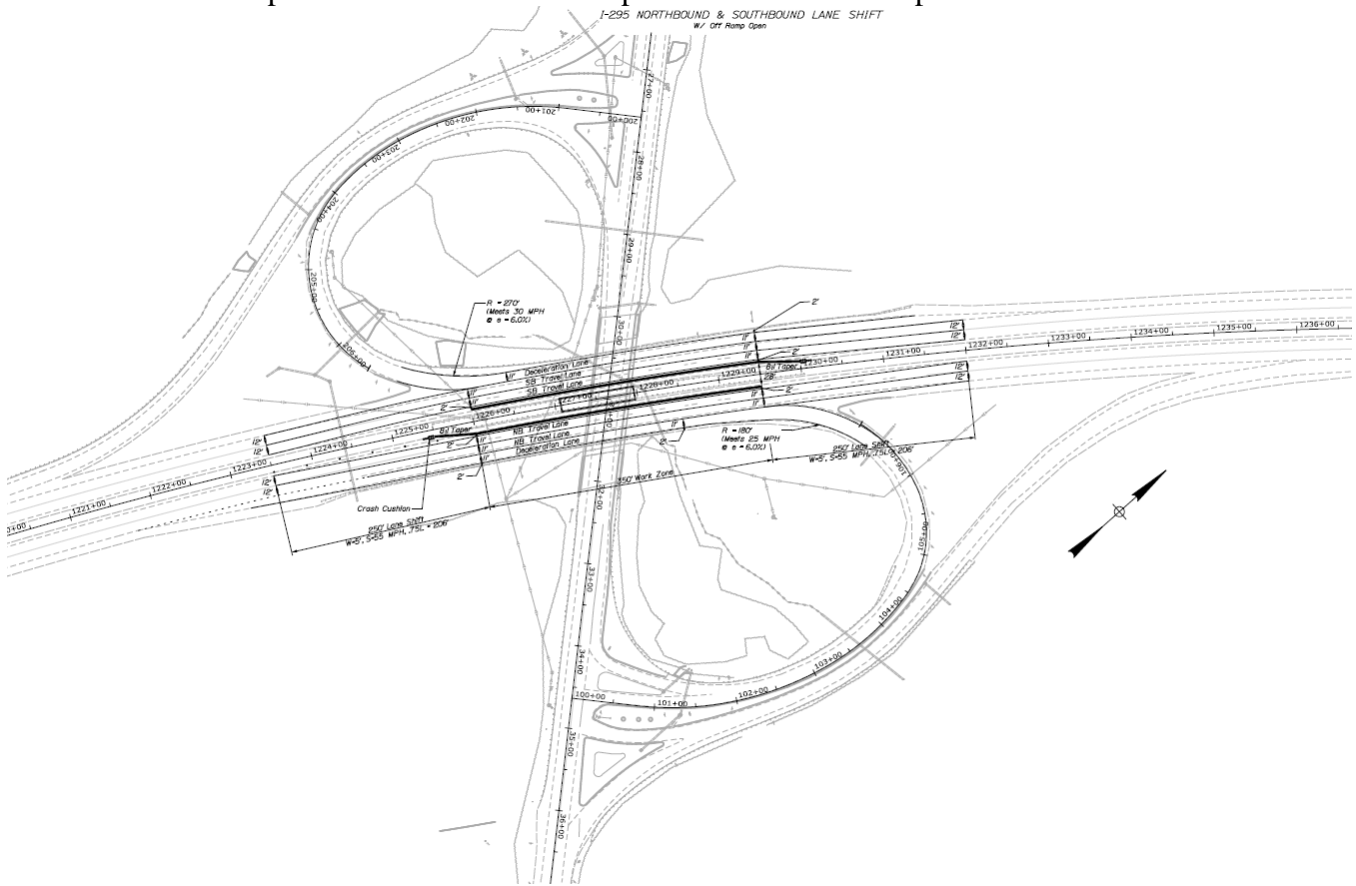
**Response:** The existing speed limit is 65 mph and can be reduced by 10 mph to a work zone speed limit of 55 mph. The MUTCD as defined in the Standard Spec shall be followed to determine the required taper length.

**Question:** Due to multiple unanswered questions, the proximity of other large MDOT projects bidding in this timeframe, and supplier and subcontractor coordination issues, can the bid date be pushed back one week?

**Response:** No, the bid opening date will remain the same, November 3, 2021.

**Question:** There isn't much room in the medians to install temporary support, demo and construct piers. Please provide a traffic control plan with barrier locations and tapers to allow for median work on mainline while maintaining 2 lanes of traffic.

**Response:** Please see conceptual maintenance of traffic detail. Please note the layout is conceptual and the Contractor shall perform and submit an independent traffic control plan.



**Question:** It appears as though a Pier Cofferdam is required @ Exit 20, both sheeting perpendicular to the pier in order to prevent undermining of the existing pier during phase 1 new pier construction, as well as sheeting parallel to the pier in order to gain access to the new pier construction in both phases to prevent undermining of both NB and SB I-295. Please add item "524.301 Temporary Structural Support - Pier" to account for this work.

**Response:** See plan changes.

**Question:** On Exit 22, will continuous ramp closures be allowed to facilitate a widening of the median to generate a safe workzone for both construction activities and the traveling public during the following activities?

- 1) Steel demolition phase 1
- 2) Steel demolition phase 2
- 3) Steel erection phase 1
- 4) Steel erection phase 2
- 5) Pier demolition phase 1
- 6) Pier demolition phase 2
- 7) Pier construction phase 1
- 8) Pier construction phase 2

**Response:** No, continuous ramp closures at Exit 22 will not be allowed except as otherwise permitted in the special provisions. The Contractor may consider lane shifts for both the northbound and southbound barrels in the Traffic Control Plan to maximize work zone area in the median. Please see aforementioned conceptual maintenance of traffic detail.

Consider these changes and information prior to submitting your bid on **November 3, 2021**.

Sincerely,



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

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 021726.01

Project(s): 021726.01

SECTION: 1

Freeport, Approach Road Br and Merrill Road Br Repl.

Alt Set ID:

Alt Mbr ID:

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

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0010	201.11 CLEARING	2.200 AC	_____	 _____	_____	 _____
0020	201.23 REMOVING SINGLE TREE TOP ONLY	6.000 EA	_____	 _____	_____	 _____
0030	201.24 REMOVING STUMP	6.000 EA	_____	 _____	_____	 _____
0040	202.13 REMOVING EXISTING RAILINGS (RETAINED BY DEPARTMENT)	420.000 LF	_____	 _____	_____	 _____
0050	202.15 REMOVING EXISTING MANHOLE OR CATCH BASIN	8.000 EA	_____	 _____	_____	 _____
0060	202.19 REMOVING EXISTING BRIDGE APPROACH ROAD BR	LUMP SUM		 LUMP SUM	_____	 _____
0070	202.19 REMOVING EXISTING BRIDGE MERRILL ROAD BR	LUMP SUM		 LUMP SUM	_____	 _____
0080	202.202 REMOVING PAVEMENT SURFACE	7,600.000 SY	_____	 _____	_____	 _____
0090	203.20 COMMON EXCAVATION	15,050.000 CY	_____	 _____	_____	 _____
0100	203.24 COMMON BORROW	22,600.000 CY	_____	 _____	_____	 _____
0110	203.25 GRANULAR BORROW	861.000 CY	_____	 _____	_____	 _____
0120	203.26 GRAVEL BORROW	2,193.000 CY	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0130	206.07 STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES	160.000 CY	_____	 _____	_____	 _____
0140	206.082 STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	3,450.000 CY	_____	 _____	_____	 _____
0150	206.092 STRUCTURAL ROCK EXCAVATION - MAJOR STRUCTURES	40.000 CY	_____	 _____	_____	 _____
0160	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	13,050.000 CY	_____	 _____	_____	 _____
0170	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	2,180.000 T	_____	 _____	_____	 _____
0180	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	320.000 T	_____	 _____	_____	 _____
0190	403.211 HOT MIX ASPHALT (SHIMMING)	240.000 T	_____	 _____	_____	 _____
0200	403.213 HOT MIX ASPHALT 12.5 MM BASE	2,600.000 T	_____	 _____	_____	 _____
0210	403.2131 12.5 MM POLYMER MODIFIED HMA BASE	1,910.000 T	_____	 _____	_____	 _____
0220	409.15 BITUMINOUS TACK COAT - APPLIED	2,530.000 G	_____	 _____	_____	 _____
0230	461.131 TEMPORARY PAVEMENT	271.000 T	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0240	501.231 DYNAMIC LOADING TEST	5.000 EA	_____	 _____	_____	 _____
0250	501.50 STEEL H-BEAM PILES 89 LBS/FT, DELIVERED	1,635.000 LF	_____	 _____	_____	 _____
0260	501.501 STEEL H-BEAM PILES 89 LBS/FT, IN PLACE	1,325.000 LF	_____	 _____	_____	 _____
0270	501.804 DRILLING EQUIPMENT MOBILIZATION	LUMP SUM		LUMP SUM	_____	 _____
0280	501.811 PRE EXCAVATION FOR PILES, EARTH	80.000 LF	_____	 _____	_____	 _____
0290	501.812 PRE EXCAVATION FOR PILES, ROCK	20.000 LF	_____	 _____	_____	 _____
0300	501.90 PILE TIPS	62.000 EA	_____	 _____	_____	 _____
0310	501.91 PILE SPLICES	21.000 EA	_____	 _____	_____	 _____
0320	501.92 PILE DRIVING EQUIPMENT MOBILIZATION	LUMP SUM		LUMP SUM	_____	 _____
0330	502.219 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS	LUMP SUM		LUMP SUM	_____	 _____
0340	502.239 STRUCTURAL CONCRETE PIERS	LUMP SUM		LUMP SUM	_____	 _____
0350	502.26 STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLABS ON STEEL BRIDGES	LUMP SUM		LUMP SUM	_____	 _____

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			Dollars	Cents	Dollars	Cents
0360	502.31 STRUCTURAL CONCRETE APPROACH SLABS	LUMP SUM	LUMP	SUM	_____	_____
0370	502.34121 STRUCTURAL CONCRETE, RAISED ISLAND	LUMP SUM	LUMP	SUM	_____	_____
0380	502.49 STRUCTURAL CONCRETE CURBS AND SIDEWALKS	LUMP SUM	LUMP	SUM	_____	_____
0390	502.565 CONCRETE FILL	138.000 CY	_____	_____	_____	_____
0400	502.77 FIBER REINFORCED POLYMER BRIDGE DRAIN - TYPE: F	6.000 EA	_____	_____	_____	_____
0410	503.17 MECHANICAL WELDED SPLICE	640.000 EA	_____	_____	_____	_____
0420	503.26 STAINLESS STEEL REINFORCEMENT - FABRICATED & DELIVERED	455,350.000 LB	_____	_____	_____	_____
0430	503.27 STAINLESS STEEL REINFORCEMENT - PLACING	455,350.000 LB	_____	_____	_____	_____
0440	504.702 STRUCTURAL STEEL FABRICATED AND DELIVERED, WELDED APPROACH ROAD BR	LUMP SUM	LUMP	SUM	_____	_____
0450	504.702 STRUCTURAL STEEL FABRICATED AND DELIVERED, WELDED MERRILL ROAD BR	LUMP SUM	LUMP	SUM	_____	_____
0460	504.71 STRUCTURAL STEEL ERECTION	LUMP SUM	LUMP	SUM	_____	_____

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			Dollars	Cents	Dollars	Cents
0470	505.08 SHEAR CONNECTORS	LUMP SUM	LUMP	SUM	_____	_____
0480	506.9104 THERMAL SPRAY COATING - SHOP APPLIED	LUMP SUM	LUMP	SUM	_____	_____
0490	507.0846 BARRIER-MOUNTED STEEL BRIDGE RAILING, 1 BAR MODIFIED	LUMP SUM	LUMP	SUM	_____	_____
0500	507.0848 BARRIER-MOUNTED STEEL BRIDGE RAILING, 2 BAR MODIFIED	LUMP SUM	LUMP	SUM	_____	_____
0510	508.14 HIGH PERFORMANCE WATERPROOFING MEMBRANE	LUMP SUM	LUMP	SUM	_____	_____
0520	513.22 CRUSHED STONE SLOPE PROTECTION	1,308.000 SY	_____	_____	_____	_____
0530	515.21 PROTECTIVE COATING FOR CONCRETE SURFACES	LUMP SUM	LUMP	SUM	_____	_____
0540	519.60 EXPANSION DEVICE - ASPHALTIC PLUG JOINT	217.000 LF	_____	_____	_____	_____
0550	523.52 BEARING INSTALLATION	17.000 EA	_____	_____	_____	_____
0560	523.5401 LAMINATED ELASTOMERIC BEARINGS, FIXED	17.000 EA	_____	_____	_____	_____
0570	524.301 TEMPORARY STRUCTURAL SUPPORT APPROACHES, APPROACH BR	LUMP SUM	LUMP	SUM	_____	_____

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			Dollars	Cents	Dollars	Cents
0580	524.301 TEMPORARY STRUCTURAL SUPPORT APPROACHES, MERRILL	LUMP SUM	LUMP	SUM	_____	_____
0590	524.301 TEMPORARY STRUCTURAL SUPPORT PIER BR 5720	LUMP SUM	LUMP	SUM	_____	_____
0600	524.301 TEMPORARY STRUCTURAL SUPPORT PIER BR 5721	LUMP SUM	LUMP	SUM	_____	_____
0610	524.40 PROTECTIVE SHIELD APPROACH BR	LUMP SUM	LUMP	SUM	_____	_____
0620	524.40 PROTECTIVE SHIELD MERRILL ROAD BR	LUMP SUM	LUMP	SUM	_____	_____
0630	526.301 PORTABLE CONCRETE BARRIER TYPE I	LUMP SUM	LUMP	SUM	_____	_____
0640	526.304 PORTABLE CONCRETE BARRIER, ANCHORED TYPE 1	LUMP SUM	LUMP	SUM	_____	_____
0650	526.305 PORTABLE CONCRETE BARRIER, BRACED TYPE 1	LUMP SUM	LUMP	SUM	_____	_____
0660	526.3241 TEXAS CONCRETE BEAM AND POST RAIL - MODIFIED SEPARATION	LUMP SUM	LUMP	SUM	_____	_____
0670	526.3241 TEXAS CONCRETE BEAM AND POST RAIL - MODIFIED TRAFFIC	LUMP SUM	LUMP	SUM	_____	_____
0680	526.341 PERMANENT CONCRETE BARRIER SPECIAL	LUMP SUM	LUMP	SUM	_____	_____

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			Dollars	Cents	Dollars	Cents
0690	527.33 TRUCK MOUNTED ATTENUATOR	4.000 EA	_____	 _____	_____	 _____
0700	527.34 WORK ZONE CRASH CUSHIONS	6.000 UN	_____	 _____	_____	 _____
0710	602.30 FLOWABLE CONCRETE FILL	19.000 CY	_____	 _____	_____	 _____
0720	603.159 12 INCH CULVERT PIPE OPTION III	198.000 LF	_____	 _____	_____	 _____
0730	603.175 18 INCH REINFORCED CONCRETE PIPE CLASS III	400.000 LF	_____	 _____	_____	 _____
0740	603.179 18 INCH CULVERT PIPE OPTION III	40.000 LF	_____	 _____	_____	 _____
0750	603.195 24 INCH REINFORCED CONCRETE PIPE CLASS III	32.000 LF	_____	 _____	_____	 _____
0760	603.199 24 INCH CULVERT PIPE OPTION III	36.000 LF	_____	 _____	_____	 _____
0770	603.205 30 INCH REINFORCED CONCRETE PIPE CLASS III	8.000 LF	_____	 _____	_____	 _____
0780	604.072 CATCH BASIN TYPE A1-C	6.300 EA	_____	 _____	_____	 _____
0790	604.09 CATCH BASIN TYPE B1	3.000 EA	_____	 _____	_____	 _____
0800	604.092 CATCH BASIN TYPE B1-C	8.400 EA	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0810	604.15 MANHOLE	1.500 EA	_____	 _____	_____	 _____
0820	604.164 REBUILDING CATCH BASIN	2.000 EA	_____	 _____	_____	 _____
0830	604.18 ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	3.000 EA	_____	 _____	_____	 _____
0840	604.247 CATCH BASIN TYPE F5-C	4.000 EA	_____	 _____	_____	 _____
0850	605.09 6 INCH UNDERDRAIN TYPE B	730.000 LF	_____	 _____	_____	 _____
0860	605.11 12 INCH UNDERDRAIN TYPE C	370.000 LF	_____	 _____	_____	 _____
0870	605.13 18 INCH UNDERDRAIN TYPE C	150.000 LF	_____	 _____	_____	 _____
0880	606.1301 31" W-BM GR, MID-WAY SPLICE-SGL FACED	1,770.000 LF	_____	 _____	_____	 _____
0890	606.1304 31" W-BM GR, MID-WAY SPLICE-OVER 15' RAD	388.000 LF	_____	 _____	_____	 _____
0900	606.1305 31" W-BM GR, MID-WAY SPLICE FLARED TERMINAL	4.000 EA	_____	 _____	_____	 _____
0910	606.1306 31" W-BM GR, MID-WAY SPLICE TANGENT TERMINAL	4.000 EA	_____	 _____	_____	 _____
0920	606.1307 BRIDGE TRANSITION (ASYMMETRICAL) - TYPE 1A	8.000 EA	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0930	606.259 ANCHORAGE ASSEMBLY	1.000 EA	_____	 _____	_____	 _____
0940	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	17.000 EA	_____	 _____	_____	 _____
0950	606.356 UNDERDRAIN DELINEATOR POST	15.000 EA	_____	 _____	_____	 _____
0960	606.366 GUARDRAIL, REMOVE & RESET	800.000 LF	_____	 _____	_____	 _____
0970	607.24 REMOVE AND RESET FENCE	20.000 LF	_____	 _____	_____	 _____
0980	607.39 PEDESTRIAN FENCE	1,160.000 LF	_____	 _____	_____	 _____
0990	608.26 CURB RAMP DETECTABLE WARNING FIELD	308.000 SF	_____	 _____	_____	 _____
1000	609.11 VERTICAL CURB TYPE 1	1,440.000 LF	_____	 _____	_____	 _____
1010	609.12 VERTICAL CURB TYPE 1 - CIRCULAR	102.000 LF	_____	 _____	_____	 _____
1020	609.221 TERMINAL CURB TYPE 1	56.000 LF	_____	 _____	_____	 _____
1030	609.222 TERMINAL CURB TYPE 1 - CIRCULAR	71.000 LF	_____	 _____	_____	 _____
1040	609.31 CURB TYPE 3	380.000 LF	_____	 _____	_____	 _____
1050	609.34 CURB TYPE 5	1,440.000 LF	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
1060	609.34 CURB TYPE 5 MODIFIED	480.000 LF	_____	 _____	_____	 _____
1070	609.35 CURB TYPE 5 - CIRCULAR	53.000 LF	_____	 _____	_____	 _____
1080	609.38 RESET CURB TYPE 1	1,080.000 LF	_____	 _____	_____	 _____
1090	610.08 PLAIN RIPRAP	159.000 CY	_____	 _____	_____	 _____
1100	610.18 STONE DITCH PROTECTION	96.000 CY	_____	 _____	_____	 _____
1110	613.319 EROSION CONTROL BLANKET	8,500.000 SY	_____	 _____	_____	 _____
1120	615.07 LOAM	1,650.000 CY	_____	 _____	_____	 _____
1130	615.27 UNDERDRAIN SOIL FILTER	LUMP SUM		 LUMP SUM	_____	 _____
1140	615.27 UNDERDRAIN SOIL FILTER	LUMP SUM		 LUMP SUM	_____	 _____
1150	618.13 SEEDING METHOD NUMBER 1	25.000 UN	_____	 _____	_____	 _____
1160	618.14 SEEDING METHOD NUMBER 2	205.000 UN	_____	 _____	_____	 _____
1170	618.148 SPECIAL SEEDING, WETLAND SEED MIX - MOIST	5.000 UN	_____	 _____	_____	 _____
1180	619.12 MULCH	240.000 UN	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
1190	619.14 EROSION CONTROL MIX	150.000 CY	_____	 _____	_____	 _____
1200	620.58 EROSION CONTROL GEOTEXTILE	2,472.000 SY	_____	 _____	_____	 _____
1210	620.66 DRAINAGE GEOCOMPOSITE	287.000 SY	_____	 _____	_____	 _____
1220	626.11 PRECAST CONCRETE JUNCTION BOX	40.000 EA	_____	 _____	_____	 _____
1230	626.21 METALLIC CONDUIT	160.000 LF	_____	 _____	_____	 _____
1240	626.22 NON-METALLIC CONDUIT	3,160.000 LF	_____	 _____	_____	 _____
1250	626.251 NON-METALLIC UNDER PAVEMENT CONDUIT (SCHEDULE 80 OR GREATER RATING)	1,850.000 LF	_____	 _____	_____	 _____
1260	626.35 CONTROLLER CABINET FOUNDATION	2.000 EA	_____	 _____	_____	 _____
1270	626.36 REMOVE OR MODIFY CONCRETE FOUNDATION	15.000 EA	_____	 _____	_____	 _____
1280	626.38 GROUND MOUNTED CABINET FOUNDATION	4.000 EA	_____	 _____	_____	 _____
1290	626.421 24 INCH DIAMETER FOUNDATION	35.000 LF	_____	 _____	_____	 _____
1300	626.43 30 INCH DIAMETER FOUNDATION	72.000 LF	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
1310	626.44 36 INCH DIAMETER FOUNDATION	97.000 LF	_____	 _____	_____	 _____
1320	626.46 48 INCH DIAMETER FOUNDATION	11.000 LF	_____	 _____	_____	 _____
1330	626.501 SPREAD FOOTING FOUNDATION	60.000 CY	_____	 _____	_____	 _____
1340	627.51 6" TEMPORARY PAVEMENT TAPE, YELLOW OR WHITE	10,350.000 LF	_____	 _____	_____	 _____
1350	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	13,000.000 LF	_____	 _____	_____	 _____
1360	627.744 6" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	11,600.000 LF	_____	 _____	_____	 _____
1370	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	4,050.000 SF	_____	 _____	_____	 _____
1380	627.77 REMOVING PAVEMENT MARKINGS	3,920.000 SF	_____	 _____	_____	 _____
1390	627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	9,250.000 LF	_____	 _____	_____	 _____
1400	627.781 TEMPORARY 6 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	3,000.000 LF	_____	 _____	_____	 _____
1410	629.05 HAND LABOR, STRAIGHT TIME	60.000 HR	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 021726.01

Project(s): 021726.01

SECTION: 1

Freeport, Approach Road Br and Merrill Road Br Repl.

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	631.10 AIR COMPRESSOR (INCLUDING OPERATOR)	60.000 HR	_____	 _____	_____	 _____
1430	631.11 AIR TOOL (INCLUDING OPERATOR)	60.000 HR	_____	 _____	_____	 _____
1440	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	60.000 HR	_____	 _____	_____	 _____
1450	631.14 GRADER (INCLUDING OPERATOR)	40.000 HR	_____	 _____	_____	 _____
1460	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	60.000 HR	_____	 _____	_____	 _____
1470	631.22 FRONT END LOADER (INCLUDING OPERATOR)	60.000 HR	_____	 _____	_____	 _____
1480	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	20.000 HR	_____	 _____	_____	 _____
1490	634.160 HIGHWAY LIGHTING	LUMP SUM		 LUMP SUM	_____	 _____
1500	634.2042 LED LUMINARIES	16.000 EA	_____	 _____	_____	 _____
1510	634.210 CONVENTIONAL LIGHT STANDARD	14.000 EA	_____	 _____	_____	 _____
1520	639.18 FIELD OFFICE TYPE A	1.000 EA	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 021726.01

Project(s): 021726.01

SECTION: 1

Freeport, Approach Road Br and Merrill Road Br Repl.

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
1530	643.21 NON-INVASIVE DETECTION - STOP LINE: I295 EXIT 20 NB RAMPS & DESERT RD- RTE 1 & DESERT RD	LUMP SUM	LUMP	SUM	_____	_____
1540	643.21 NON-INVASIVE DETECTION - STOP LINE: I295 EXIT 20 SB RAMPS & DESERT RD	LUMP SUM	LUMP	SUM	_____	_____
1550	643.21 NON-INVASIVE DETECTION - STOP LINE: I295 NB ON-OFF RAMP & RT 136, 125 MALLET DR	LUMP SUM	LUMP	SUM	_____	_____
1560	643.21 NON-INVASIVE DETECTION - STOP LINE: I295 SB ON-OFF RAMP & RT 136, 125 MALLET DR	LUMP SUM	LUMP	SUM	_____	_____
1570	643.22 NON-INVASIVE DETECTION - ADVANCE: FREEPORT CROSSING & RTE 1	LUMP SUM	LUMP	SUM	_____	_____
1580	643.22 NON-INVASIVE DETECTION - ADVANCE: I295 EXIT 20 NB RAMPS & DESERT RD- RTE 1 & DESERT RD	LUMP SUM	LUMP	SUM	_____	_____
1590	643.22 NON-INVASIVE DETECTION - ADVANCE: I295 EXIT 20 SB RAMPS & DESERT RD	LUMP SUM	LUMP	SUM	_____	_____
1600	643.22 NON-INVASIVE DETECTION - ADVANCE: I295 NB ON-OFF RAMP & RT 136, 125 MALLET DR	LUMP SUM	LUMP	SUM	_____	_____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 021726.01

Project(s): 021726.01

SECTION: 1

Freeport, Approach Road Br and Merrill Road Br Repl.

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
1610	643.22 NON-INVASIVE DETECTION - ADVANCE: I295 SB ON-OFF RAMP & RT 136, 125 MALLETT DR	LUMP SUM	LUMP	SUM	_____	_____
1620	643.71 TRAFFIC SIGNAL MODIFICATION FREEPORT CROSSING & RTE 1	LUMP SUM	LUMP	SUM	_____	_____
1630	643.71 TRAFFIC SIGNAL MODIFICATION I295 EXIT 20 NB RAMPS & DESERT RD- RTE 1 & DESERT RD	LUMP SUM	LUMP	SUM	_____	_____
1640	643.72 TEMPORARY TRAFFIC SIGNAL I295 EXIT 20 SB ON-OFF RAMP & DESERT RD	LUMP SUM	LUMP	SUM	_____	_____
1650	643.72 TEMPORARY TRAFFIC SIGNAL I295 NB EXIT 22 ON-OFF RAMP & RT 136, 125 MALLETT DR	LUMP SUM	LUMP	SUM	_____	_____
1660	643.80 TRAFFIC SIGNALS AT I295 EXIT 20 SB ON-OFF RAMP & DESERT RD	LUMP SUM	LUMP	SUM	_____	_____
1670	643.80 TRAFFIC SIGNALS AT I295 NB ON-OFF RAMP & RT 136, 125 MALLETT DR	LUMP SUM	LUMP	SUM	_____	_____
1680	643.80 TRAFFIC SIGNALS AT I295 SB ON-OFF RAMP & RT 136, 125 MALLETT DR	LUMP SUM	LUMP	SUM	_____	_____
1690	643.90 INTERCONNECT WIRE BETWEEN I295 NB ON-OFF RAMPS & I295 SB ON-OFF RAMPS	LUMP SUM	LUMP	SUM	_____	_____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 021726.01

Project(s): 021726.01

SECTION: 1

Freeport, Approach Road Br and Merrill Road Br Repl.

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
1700	643.90 INTERCONNECT WIRE BETWEEN I295 SB RAMPS, I295 NB RAMPS AND RT1, & FREEPORT CROSSING	LUMP SUM				
1710	643.91 MAST ARM POLE 20FT MAST ARM	1.000 EA				
1720	643.91 MAST ARM POLE 25FT MAST ARM	1.000 EA				
1730	643.91 MAST ARM POLE 30FT	1.000 EA				
1740	643.91 MAST ARM POLE 30FT AND 45FT	1.000 EA				
1750	643.91 MAST ARM POLE 40FT MAST ARM	3.000 EA				
1760	643.91 MAST ARM POLE 45FT MAST ARM	2.000 EA				
1770	643.92 PEDESTAL POLE	3.000 EA				
1780	643.94 DUAL PURPOSE POLE 30FT, 35FT MAST ARMS AND LUMINAIRE ARMS	1.000 EA				
1790	643.94 DUAL PURPOSE POLE 50FT MAST ARM AND LUMINAIRE ARMS	1.000 EA				
1800	645.103 DEMOUNT GUIDE SIGN	25.000 EA				
1810	645.106 DEMOUNT REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	144.000 EA				

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 021726.01

Project(s): 021726.01

SECTION: 1

Freeport, Approach Road Br and Merrill Road Br Repl.

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
1820	645.108 DEMOUNT POLE	64.000 EA	_____	 _____	_____	 _____
1830	645.113 REINSTALL GUIDE SIGN	21.000 EA	_____	 _____	_____	 _____
1840	645.116 REINSTALL REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	127.000 EA	_____	 _____	_____	 _____
1850	645.118 REINSTALL POLE	50.000 EA	_____	 _____	_____	 _____
1860	645.251 ROADSIDE GUIDE SIGNS, TYPE I	170.000 SF	_____	 _____	_____	 _____
1870	645.289 STEEL H-BEAM POLES	1,050.000 LB	_____	 _____	_____	 _____
1880	645.291 ROADSIDE GUIDE SIGNS TYPE II	1.700 SF	_____	 _____	_____	 _____
1890	645.292 REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS TYPE II	350.000 SF	_____	 _____	_____	 _____
1900	652.30 FLASHING ARROW BOARD	4.000 EA	_____	 _____	_____	 _____
1910	652.312 TYPE III BARRICADE	9.000 EA	_____	 _____	_____	 _____
1920	652.33 DRUM	250.000 EA	_____	 _____	_____	 _____
1930	652.34 CONE	250.000 EA	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 021726.01

Project(s): 021726.01

SECTION: 1

Freeport, Approach Road Br and Merrill Road Br Repl.

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
1940	652.35 CONSTRUCTION SIGNS	2,500.000 SF	_____	_____	_____	_____
1950	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	LUMP SUM	LUMP SUM	_____	_____	_____
1960	652.38 FLAGGER	8,300.000 HR	_____	_____	_____	_____
1970	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	6.000 EA	_____	_____	_____	_____
1980	654.351 CONNECTED ROADSIDE UNIT (RSU)	5.000 EA	_____	_____	_____	_____
1990	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM	LUMP SUM	_____	_____	_____
2000	659.10 MOBILIZATION	LUMP SUM	LUMP SUM	_____	_____	_____
<b>Section: 1</b>			<b>Total:</b>		_____	_____
			<b>Total Bid:</b>		_____	_____

Date:11/2/2021

Username:

Division:

Filename: 002\_Estimated Quantities.dgn

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
201.11	Clearing	0.8	AC
201.23	Removing Single Tree Top Only	6	EA
201.24	Removing Stump	6	EA
202.13	Removing Existing Railings Retained by Department	420	LF
202.15	Removing Existing Manhole or Catch Basin	2	EA
202.19	Removing Existing Bridge (1114 CY, 100 TON)	1	LS
202.202	Removing Pavement Surface	4,100	SY
203.20	Common Excavation	6,250	CY
203.24	Common Borrow	9,900	CY
203.26	Gravel Borrow	1,476	CY
206.07	Structural Rock Excavation - Drainage & Minor Structures	160	CY
206.082	Structural Earth Excavation - Major Structures, Plan Quantity	1,780	CY
304.10	Aggregate Subbase Course - Gravel	6,150	CY
403.2081	Hot Mix Asphalt - 12.5 mm Nominal Maximum Size (Polymer Modified)	1,100	T
403.209	Hot Mix Asphalt 9.5 mm (sidewalks, drives, islands & incidentals)	170	T
403.211	Hot Mix Asphalt, 9.5 mm Nominal Maximum Size (Shimming)	130	T
403.213	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (Base and Intermediate Base course)	1,300	T
403.2131	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (Base and Intermediate Base course, Polymer Modified)	960	T
409.15	Bituminous Tack Coat - Applied	1,300	G
461.131	Temporary Pavement	20	T
501.231	Dynamic Loading Test	3	EA
501.50	Steel H-Beam Piles 89 Lbs/Ft, Delivered	1,025	LF
501.501	Steel H-Beam Piles 89 Lbs/Ft, In Place	815	LF
501.90	Pile Tips	42	EA
501.91	Pile Splices	11	EA
501.92	Pile Driving Equipment Mobilization	1	LS
502.219	Structural Concrete, Abutments and Retaining Walls (258 CY)	1	LS
502.239	Structural Concrete Piers (254 CY)	1	LS
502.26	Structural Concrete Roadway and Sidewalk Slab On Steel Bridges (405 CY)	1	LS
502.31	Structural Concrete Approach Slabs (50 CY)	1	LS
502.49	Structural Concrete Curbs and Sidewalks (285 CY)	1	LS
502.77	Fiber Reinforced Polymer Bridge Drain - Type: F	4	EA
503.26	Stainless Steel Reinforcement - Fabricated and Delivered	229,790	LB
503.27	Stainless Steel Reinforcement - Placing	229,790	LB
504.702	Structural Steel Fabricated and Delivered, Welded (682500 LB)	1	LS
504.71	Structural Steel Erection (682500 LB)	1	LS
505.08	Shear Connectors (6930 EA)	1	LS
506.9104	Thermal Spray Coating (Shop Applied)	1	LS
507.0846	Barrier Mounted Steel Bridge Rail, 1 Bar (234 LF)	1	LS
507.0848	Barrier Mounted Steel Bridge Rail, 2 Bar (234 LF)	1	LS
508.14	High Performance Waterproofing Membrane (1470 SY)	1	LS
513.22	Crushed Stone Slope Protection	616	SY
515.21	Protective Coating for Concrete Surfaces (804 SY)	1	LS
519.60	Expansion Device - Asphaltic Plug Joint	110	LF
523.52	Bearing Installation	9	EA
523.5401	Laminated Elastomeric Bearings, Fixed	9	EA
524.301	Temporary Structural Support - Approaches	1	LS
524.301	Temporary Structural Support - Pier	1	LS
524.40	Protective Shield (3659 SY)	1	LS
526.301	Portable Concrete Barrier, Type I (290 LF)	1	LS
526.305	Portable Concrete Barrier, Braced Type I (240 LF)	1	LS
526.3241	Texas Concrete Beam and Post Rail - Modified, Traffic (234 LF)	1	LS
526.3241	Texas Concrete Beam and Post Rail - Modified, Separation (234 LF)	1	LS
526.341	Permanent Concrete Barrier, Special (234 LF)	1	LS
527.33	Truck Mounted Attenuator	2	EA
527.34	Work Zone Crash Cushions	2	UN
602.30	Flowable Concrete Fill	5	CY
603.159	12 inch Culvert Pipe Option III	110	LF
603.175	18 inch RCP Class III	220	LF
603.179	18 inch Culvert Pipe Option III	40	LF
603.205	30 inch RCP Class III	8	LF
604.072	Catch Basin Type A-C	4	EA
604.09	Catch Basin Type B1	1	EA
604.092	Catch Basin Type B-C	4	EA
604.164	Rebuilding Catch Basin	1	EA
604.18	Adjusting Manhole or Catch Basin to Grade	3	EA
604.247	Catch Basin Type F5-C	3	EA
605.09	6 inch Underdrain Type B	530	LF
605.11	12 inch Underdrain Type C	290	LF
606.1301	31" W-Beam Guardrail - Mid-Way Splice - Single Faced	570	LF
606.1304	31" W-Beam Guardrail - Mid-Way Splice, Over 15' Radius	38	LF
606.1305	31" W-Beam Guardrail - Mid-Way Splice Flared Terminal	2	EA
606.1306	31" W-Beam Guardrail - Mid-Way Splice Tangent Terminal	2	EA
606.1307	Bridge Transition (Asymmetrical) - Type IA	4	EA
606.353	Reflectorized Flexible Guardrail Marker	8	EA
606.356	Underdrain Delineator Post	8	EA
607.24	Removing and Reset Fence	20	LF
607.39	Pedestrian Fence	490	LF
608.26	Curb Ramp Detectable Warning Field	210	SF
609.11	Vertical Curb Type I	390	LF
609.12	Vertical Curb Type I - Circular	67	LF

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
609.221	Terminal Curb Type I	48	LF
609.222	Terminal Curb Type I - Circular	40	LF
609.31	Curb Type 3	170	LF
609.34	Curb Type 5	640	LF
609.35	Curb Type 5 - Circular	40	LF
609.38	Reset Curb Type I	390	LF
610.08	Plain Riprap	72	CY
610.18	Stone Ditch Protection	55	CY
613.319	Erosion Control Blanket	3,500	SY
615.07	Loam	730	CY
615.27	Underdrain Soil Filter	1	LS
618.13	Seeding Method Number 1	7	UN
618.14	Seeding Method Number 2	110	UN
618.148	Special Seeding, Wetland Seed Mix-Moist	3	UN
619.12	Mulch	120	UN
619.14	Erosion Control Mix	100	CY
620.58	Erosion Control Geotextile	1,221	SY
620.66	Drainage Geocomposite	140	SY
626.11	Precast Concrete Junction Box	28	EA
626.21	Metallic Conduit	80	LF
626.22	Non-Metallic Conduit	2,200	LF
626.251	Non-Metallic Under Pavement Conduit (Schedule 80 or greater rating)	350	LF
626.35	Controller Cabinet Foundation	1	EA
626.36	Removing or Modifying Concrete Foundation	14	EA
626.38	Ground Mounted Cabinet Foundation	2	EA
626.421	24-Inch Diameter Foundation	28	LF
626.43	30-Inch Diameter Foundation	72	LF
626.44	36-Inch Diameter Foundation	47	LF
626.501	Spread Footing Foundation	60	CY
627.51	6 Inch Temporary Pavement Tape, Yellow or White	3,700	LF
627.733	4" White or Yellow Painted Pavement Marking Line	6,200	LF
627.744	6" White or Yellow Painted Pavement Marking Line	2,350	LF
627.75	White or Yellow Pavement & Curb Marking	2,300	SF
627.77	Removing Existing Pavement Marking	620	SF
627.78	Temporary 4" Painted Pavement Marking Line, White or Yellow	2,000	LF
629.05	Hand Labor, Straight Time	30	HR
631.10	Air Compressor (including operator)	30	HR
631.11	Air Tool (including operator)	30	HR
631.12	All Purpose Excavator (including operator)	30	HR
631.14	Grader (including operator)	20	HR
631.172	Truck-large (including operator)	30	HR
631.22	Front End Loader (including operator)	30	HR
631.32	Culvert Cleaner (including operator)	10	HR
634.160	Highway Lighting	1	LS
634.2042	LED Luminaires	14	EA
634.210	Conventional Light Standard	14	EA
639.18	Field Office, Type A	0.5	EA
643.21	Non-Invasive Detection - Stop Line: I-295 Exit 20 SB Ramps & Desert Rd	1	LS
643.21	Non-Invasive Detection - Stop Line: I-295 Exit 20 NB Ramps & Desert Rd/Route 1 & Desert Rd	1	LS
643.22	Non-Invasive Detection - Advance: I-295 Exit 20 SB Ramps & Desert Rd	1	LS
643.22	Non-Invasive Detection - Advance: I-295 Exit 20 NB Ramps & Desert Rd/Route 1 & Desert Rd	1	LS
643.22	Non-Invasive Detection - Advance: Freeport Crossing & Route 1	1	LS
643.71	Traffic Signal Modification at: I-295 Exit 20 NB Ramps & Desert Rd/Route 1 & Desert Rd	1	LS
643.71	Traffic Signal Modification at: Freeport Crossing & Route 1	1	LS
643.72	Temporary Traffic Signal at: I-295 Exit 20 SB On/Off Ramps & Desert Rd	1	LS
643.90	Traffic Signal at: I-295 Exit 20 SB On/Off Ramp & Desert Rd	1	LS
643.90	Interconnect Wireless Between: I-295 SB Ramps, I-295 NB Ramps and Route 1, & Freeport Crossing	1	LS
643.91	Mast Arm Pole (20' Mast Arm)	1	EA
643.91	Mast Arm Pole (25' Mast Arm)	1	EA
643.91	Mast Arm Pole (40' Mast Arm)	3	EA
643.91	Mast Arm Pole (45' Mast Arm)	2	EA
643.92	Pedestal Pole	2	EA
645.103	Demount Guide Sign	13	EA
645.106	Demount Regulatory, Warning, Confirmation and Route Marker Assembly Sign	56	EA
645.108	Demount Pole	30	EA
645.113	Reinstall Guide Sign	9	EA
645.116	Reinstall Regulatory, Warning, Confirmation, and Route Marker Assembly Sign	49	EA
645.118	Reinstall Pole	24	EA
645.251	Roadside Guide Signs, Type I	170	SF
645.289	Steel H-Beam Poles	1,050	LB
645.292	Regulatory, Warning, Confirmation and Route Marker Assembly Signs Type II	200	SF
652.30	Flashing Arrow	2	EA
652.312	Type III Barricades	4	EA
652.33	Drum	100	EA
652.34	Cone	100	EA
652.35	Construction Signs	1,200	SF
652.361	Maintenance of Traffic Control Devices (915 CD)	1	LS
652.38	Flaggers	4,150	HR
652.41	Portable-Changeable Message Sign	3	EA
654.351	Connected Roadside Unit (RSU)	3	EA
656.75	Temporary Soil Erosion and Water Pollution Control	1	LS
659.10	Mobilization	1	LS

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		023627-00		WIN		023627-00		BRIDGE No. 5720		BRIDGE PLANS		
MERRILL ROAD BRIDGE		INTERSTATE 295		CUMBERLAND		FREETPORT		ESTIMATED QUANTITIES		SHEET NUMBER		2		
PROJ. MANAGER	M. Kersbergen	DESIGN-DETAILED	CDH	CHECKED-REVIEWED	PEK	DESIGNS-DETAILED		REVISIONS 1	Quantity	11/2021	REVISIONS 2		REVISIONS 3	
DATE	08/21	DATE	08/21	DATE	08/21	DATE	11/2021	DATE		DATE		DATE		
BY	SMH	BY	SMH	BY	SMH	BY	SMH	BY	SMH	BY	SMH	BY	SMH	
DATE	08/21	DATE	08/21	DATE	08/21	DATE	11/2021	DATE		DATE		DATE		



Date: 11/2/2021

Username:

Division:

Filename: 002\_Estimated Quantities.dgn

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
201.11	Clearing	1.4	AC
202.15	Removing Existing Manhole or Catch Basin	6	EA
202.19	Removing Existing Bridge (1027 CY, 110 TON)	1	LS
202.202	Removing Pavement Surface	3,500	SY
203.20	Common Excavation	8,800	CY
203.24	Common Borrow	12,700	CY
203.25	Granular Borrow	861	CY
203.26	Gravel Borrow	717	CY
206.082	Structural Earth Excavation - Major Structures, Plan Quantity	1,670	CY
206.092	Structural Rock Excavation - Major Structures	40	CY
304.10	Aggregate Subbase Course - Gravel	6,900	CY
403.2081	Hot Mix Asphalt - 12.5 mm Nominal Maximum Size (Polymer Modified)	1,080	T
403.209	Hot Mix Asphalt 9.5 mm (sidewalks, drives, islands & incidentals)	150	T
403.211	Hot Mix Asphalt, 9.5 mm Nominal Maximum Size (Shimming)	110	T
403.213	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (Base and Intermediate Base course)	1,300	T
403.2131	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (Base and Intermediate Base course, Polymer Modified)	950	T
409.15	Bituminous Tack Coat - Applied	1,230	G
461.131	Temporary Pavement	251	T
501.231	Dynamic Loading Test	2	EA
501.50	Steel H-Beam Piles 89 Lbs/Ft, Delivered	610	LF
501.501	Steel H-Beam Piles 89 Lbs/Ft, In Place	510	LF
501.804	Drilling Equipment Mobilization	1	LS
501.811	Pre-Excavation for Piles, Earth	80	LF
501.812	Pre-Excavation for Piles, Rock	20	LF
501.90	Pile Tips	20	EA
501.91	Pile Splines	10	EA
501.92	Pile Driving Equipment Mobilization	1	LS
502.219	Structural Concrete, Abutments and Retaining Walls (255 CY)	1	LS
502.239	Structural Concrete Piers (244 CY)	1	LS
502.26	Structural Concrete Roadway and Sidewalk Slabs On Steel Bridges (398 CY)	1	LS
502.31	Structural Concrete Approach Slabs (49 CY)	1	LS
502.49	Structural Concrete Curbs and Sidewalks (292 CY)	1	LS
502.34121	Structural Concrete Raised Island (12 CY)	1	LS
502.565	Concrete Fill	138	CY
502.77	Fiber Reinforced Polymer Bridge Drain - Type F	2	EA
503.17	Mechanical/Welded Splice	640	EA
503.26	Stainless Steel Reinforcement, Fabricated and Delivered	225,560	LB
503.27	Stainless Steel Reinforcement, Placing	225,560	LB
504.702	Structural Steel Fabricated and Delivered, Welded (607,200 LB)	1	LS
504.71	Structural Steel Erection (607,200 LB)	1	LS
505.08	Shear Connectors (6208 EA)	1	LS
506.9104	Thermal Spray Coating - Shop Applied	1	LS
507.0846	Barrier Mounted Steel Bridge Rail, 1 Bar (240 LF)	1	LS
507.0848	Barrier Mounted Steel Bridge Rail, 2 Bar (240 LF)	1	LS
508.14	High Performance Waterproofing Membrane (1300 SY)	1	LS
513.22	Crushed Stone Slope Protection	692	SY
515.21	Protective Coating for Concrete Surfaces (670 SY)	1	LS
519.60	Expansion Device - Asphaltic Plug Joint	107	LF
523.52	Bearing Installation	8	EA
523.5401	Laminated Elastomeric Bearings, Fixed	8	EA
524.301	Temporary Structural Support - Approaches	1	LS
524.301	Temporary Structural Support - Pier	1	LS
524.40	Protective Shield (3141 SY)	1	LS
526.301	Portable Concrete Barrier, Type I (1500 LF)	1	LS
526.304	Portable Concrete Barrier, Anchored Type I (240 LF)	1	LS
526.3241	Texas Concrete Beam and Post Rail - Modified, Traffic (240 LF)	1	LS
526.3241	Texas Concrete Beam and Post Rail - Modified, Separation (240 LF)	1	LS
526.341	Permanent Concrete Barrier, Special (240 LF)	1	LS
527.33	Truck Mounted Attenuator	2	EA
527.34	Work Zone Crash Cushions	4	UN
602.30	Flowable Concrete Fill	14	CY
603.159	12 inch Culvert Pipe Option III	88	LF
603.175	18 inch RCP Class III	180	LF
603.195	24 inch RCP Class III	32	LF
603.199	24 inch Culvert Pipe Option III	36	LF
604.072	Catch Basin Type A1-C	2.3	EA
604.09	Catch Basin Type B1	2	EA
604.092	Catch Basin Type B1-C	4.4	EA
604.15	Manhole	1.5	EA
604.164	Rebuilding Catch Basin	1	EA
604.247	Catch Basin Type F5-C	1	EA
605.09	6 inch Underdrain Type B	200	LF
605.11	12 inch Underdrain Type C	80	LF
605.13	18 inch Underdrain Type C	150	LF
606.1301	31" W-Beam Guardrail - Mid-Way Splice - Single Faced	1,200	LF
606.1304	31" W-Beam Guardrail - Mid-Way Splice, Over 15' Radius	350	LF
606.1305	31" W-Beam Guardrail - Mid-Way Splice Flared Terminal	2	EA
606.1306	31" W-Beam Guardrail - Mid-Way Splice Tangent Terminal	2	EA
606.1307	Bridge Transition (Asymmetrical) - Type 1A	4	EA
606.259	Anchorage Assembly	1	EA
606.353	Reflectorized Flexible Guardrail Marker	9	EA

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
606.356	Underdrain Delinicator Post	7	EA
606.366	Guardrail, Remove and Reset	800	LF
607.39	Pedestrian Fence	670	LF
608.26	Curb Ramp Detectable Warning Field	98	SF
609.11	Vertical Curb Type I	1,050	LF
609.12	Vertical Curb Type I - Circular	35	LF
609.221	Terminal Curb Type I	8	LF
609.222	Terminal Curb Type I - Circular	31	LF
609.31	Curb Type 3	210	LF
609.34	Curb Type 5	800	LF
609.34	Curb Type 5 - Modified	480	LF
609.35	Curb Type 5 - Circular	13	LF
609.38	Reset Curb Type I	690	LF
610.08	Plain Riprap	87	CY
610.18	Stone Ditch Protection	41	CY
613.319	Erosion Control Blanket	5,000	SY
615.07	Loam	920	CY
615.27	Underdrain Soil Filter	1	LS
618.13	Seeding Method Number 1	18	UN
618.14	Seeding Method Number 2	95	UN
618.148	Special Seeding, Wetland Seed Mix-Moist	2	UN
619.12	Mulch	120	UN
619.14	Erosion Control Mix	50	CY
620.58	Erosion Control Geotextile	1,251	SY
620.66	Drainage Geocomposite	147	SY
626.11	Precast Concrete Junction Box	12	EA
626.21	Metallic Conduit	80	LF
626.22	Non-Metallic Conduit	960	LF
626.251	Non-Metallic Under Pavement Conduit (Schedule 80 or greater rating)	1,500	LF
626.35	Controller Cabinet Foundation	1	EA
626.36	Removing or Modify Concrete Foundation	1	EA
626.38	Ground Mounted Cabinet Foundation	2	EA
626.421	24-Inch Diameter Foundation	7	LF
626.44	36-Inch Diameter Foundation	50	LF
626.46	48-Inch Diameter Foundation	11	LF
627.51	6 inch Temporary Pavement Tape, Yellow or White	6,650	LF
627.733	4" White or Yellow Painted Pavement Marking Line	6,800	LF
627.744	6" White or Yellow Painted Pavement Marking Line	9,250	LF
627.75	White or Yellow Pavement & Curb Marking	1,750	SF
627.77	Removing Existing Pavement Marking	3,300	SF
627.78	Temporary 4" Painted Pavement Marking Line, White or Yellow	7,250	LF
627.781	Temporary 6" Painted Pavement Marking Line, White or Yellow	3,000	LF
629.05	Hand Labor, Straight Time	30	HR
631.10	Air Compressor (including operator)	30	HR
631.11	Air Tool (including operator)	30	HR
631.12	All Purpose Excavator (including operator)	30	HR
631.14	Grader (including operator)	20	HR
631.172	Truck-large (including operator)	30	HR
631.22	Front End Loader (including operator)	30	HR
631.32	Culvert Cleaner (including operator)	10	HR
634.160	Highway Lighting	1	LS
634.2042	LED Luminaires	2	EA
639.18	Field Office, Type A	0.5	EA
643.21	Non-Invasive Detection - Stop Line: I-295 NB Ramps & Route 136/125 (Mallett Dr.)	1	LS
643.21	Non-Invasive Detection - Stop Line: I-295 SB Ramps & Route 136/125 (Mallett Dr.)	1	LS
643.22	Non-Invasive Detection - Advance: I-295 NB Ramps & Route 136/125 (Mallett Dr.)	1	LS
643.22	Non-Invasive Detection - Advance: I-295 SB Ramps & Route 136/125 (Mallett Dr.)	1	LS
643.72	Temporary Traffic Signal at: I-295 Exit 22 NB On/Off Ramps & Route 136/125 (Mallett Dr.)	1	LS
643.80	Traffic Signal at: NB On/Off Ramp & Route 136/125 (Mallett Dr.)	1	LS
643.80	Traffic Signal at: SB On/Off Ramp & Route 136/125 (Mallett Dr.)	1	LS
643.90	Interconnect Wireless Between: I-295 NB On/Off Ramps & I-295 SB On/Off Ramps	1	LS
643.91	Mast Arm Pole (30' and 45' Mast Arms)	1	EA
643.91	Mast Arm Pole (30' Mast Arm)	1	EA
643.92	Pedestal Pole	1	EA
643.94	Dual Purpose Pole (50' Mast Arm and Luminaire Arm)	1	EA
643.94	Dual Purpose Pole (30' and 35' Mast Arms and Luminaire Arm)	1	EA
645.103	Demount Guide Sign	12	EA
645.106	Demount Regulatory, Warning, Confirmation and Route Marker Assembly Sign	88	EA
645.108	Demount Pole	34	EA
645.113	Reinstall Guide Sign	12	EA
645.116	Reinstall Regulatory, Warning, Confirmation, and Route Marker Assembly Sign	78	EA
645.118	Reinstall Pole	26	EA
645.291	Roadside Guide Signs Type II	1.7	SF
645.292	Regulatory, Warning, Confirmation and Route Marker Assembly Signs Type II	150	SF
652.30	Flashing Arrow	2	EA
652.312	Type III Barricades	5	EA
652.33	Drum	150	EA
652.34	Cone	150	EA
652.35	Construction Signs	1,300	SF
652.361	Maintenance of Traffic Control Devices (915 CD)	1	LS
652.38	Flagger	4,150	HR
652.41	Portable-Changeable Message Sign	3	EA
654.351	Connected Roadside Unit (RSU)	2	EA
656.75	Temporary Soil Erosion and Water Pollution Control	1	LS
659.10	Mobilization	1	LS

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		02172600		WIN		021726.00		BRIDGE No. 5721		BRIDGE PLANS	
APPROACH ROAD BRIDGE		INTERSTATE 295		CUMBERLAND		ESTIMATED QUANTITIES		SHEET NUMBER		2		OF 144	
PROJ. MANAGER	M. Kerabirgen	DESIGN-DETAILED	CDH	CHECKED-REVIEWED	LZD	DESIGNS-DETAILED	Quantity Revisions	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	DATE	
DATE	08/21	DATE	08/21	DATE	08/21	DATE	11/2021	DATE		DATE		DATE	
BY	DEB	BY	PEK	BY		BY		BY		BY		DATE	
SIGNATURE		SIGNATURE		SIGNATURE		SIGNATURE		SIGNATURE		SIGNATURE		DATE	

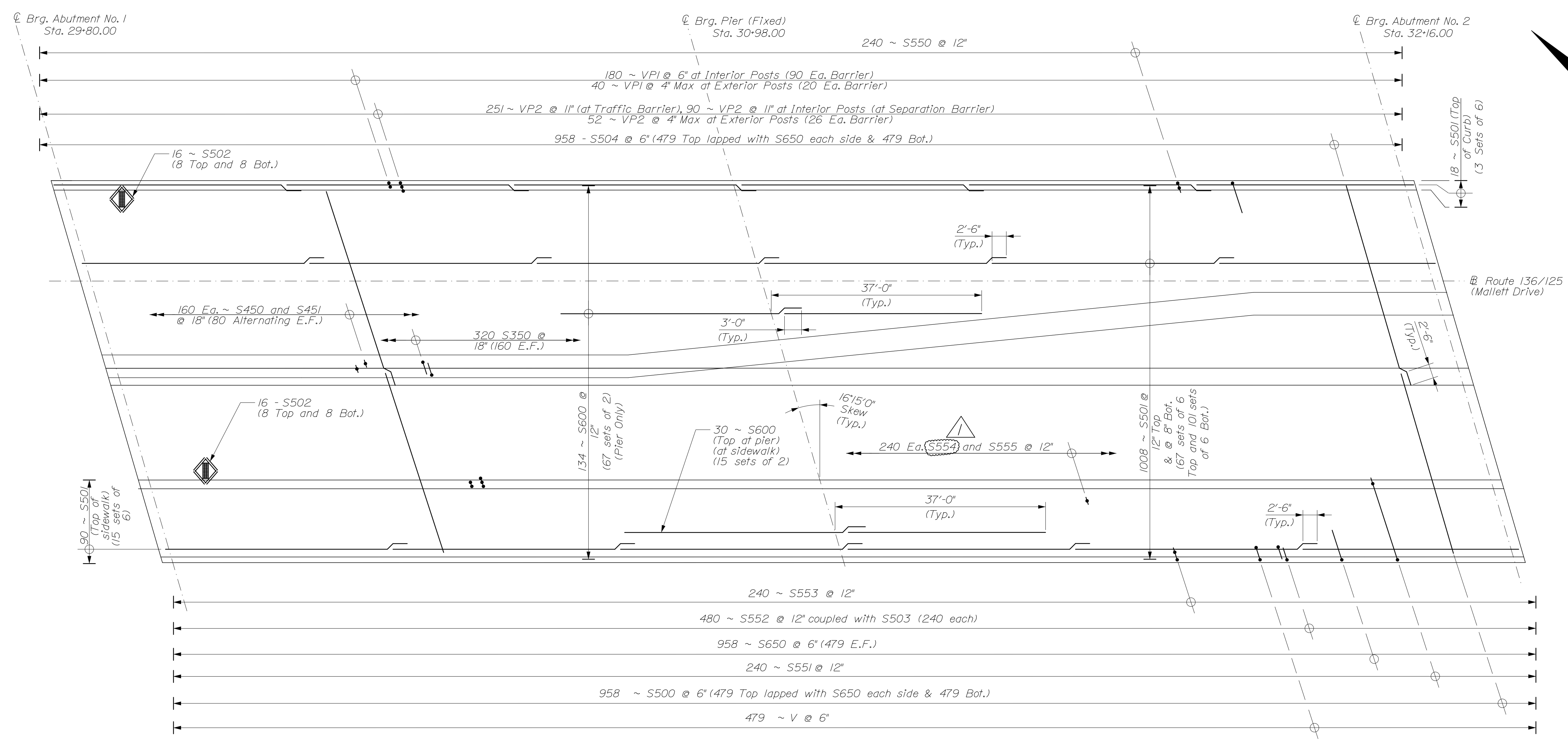


Date: 10/29/2021

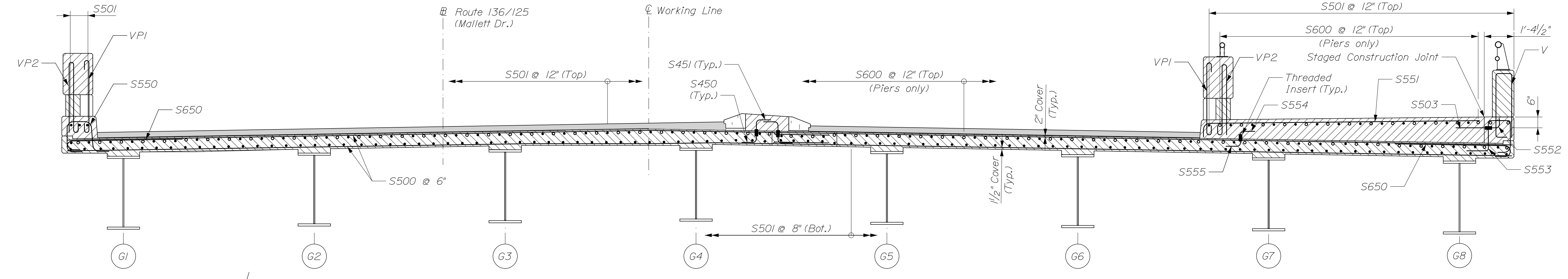
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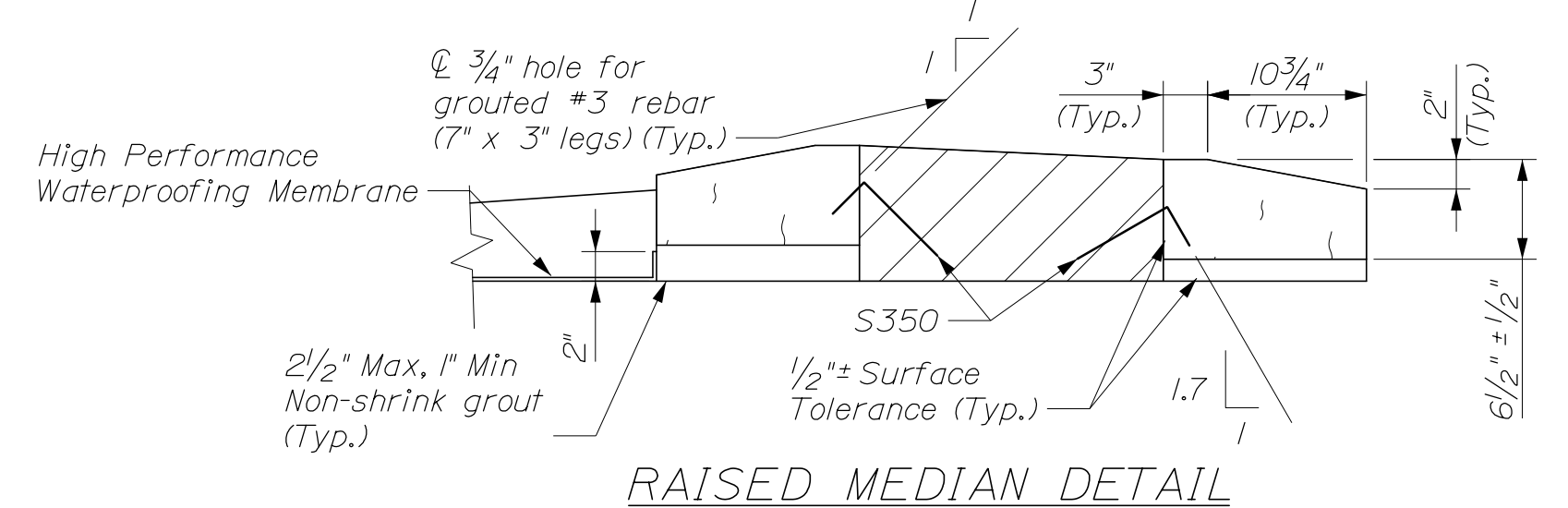
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SUPERSTRUCTURE REINFORCING PLAN



TRANSVERSE REINFORCEMENT SECTION



RAISED MEDIAN DETAIL

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
02172600  
WIN  
021726.00  
BRIDGE No. 5721  
BRIDGE PLANS

PROJ. MANAGER	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
M. Kerabergen	08/21	CW	08/21			
DESIGN DETAILED	AR					
CHECKED/REVIEWED	JS	KOS				
DESIGN DETAILED						
REVISIONS						
REVISIONS						
REVISIONS						
REVISIONS						
FIELD CHANGES						

PROJ. MANAGER	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
M. Kerabergen	08/21	CW	08/21			
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DESIGN DETAILED						
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REVISIONS						
REVISIONS						
REVISIONS						
FIELD CHANGES						

APPROACH ROAD BRIDGE  
 INTERSTATE 295  
 FREEPORT  
 CUMBERLAND  
 SUPERSTRUCTURE  
 REINFORCING

SHEET NUMBER  
 129  
 OF 144

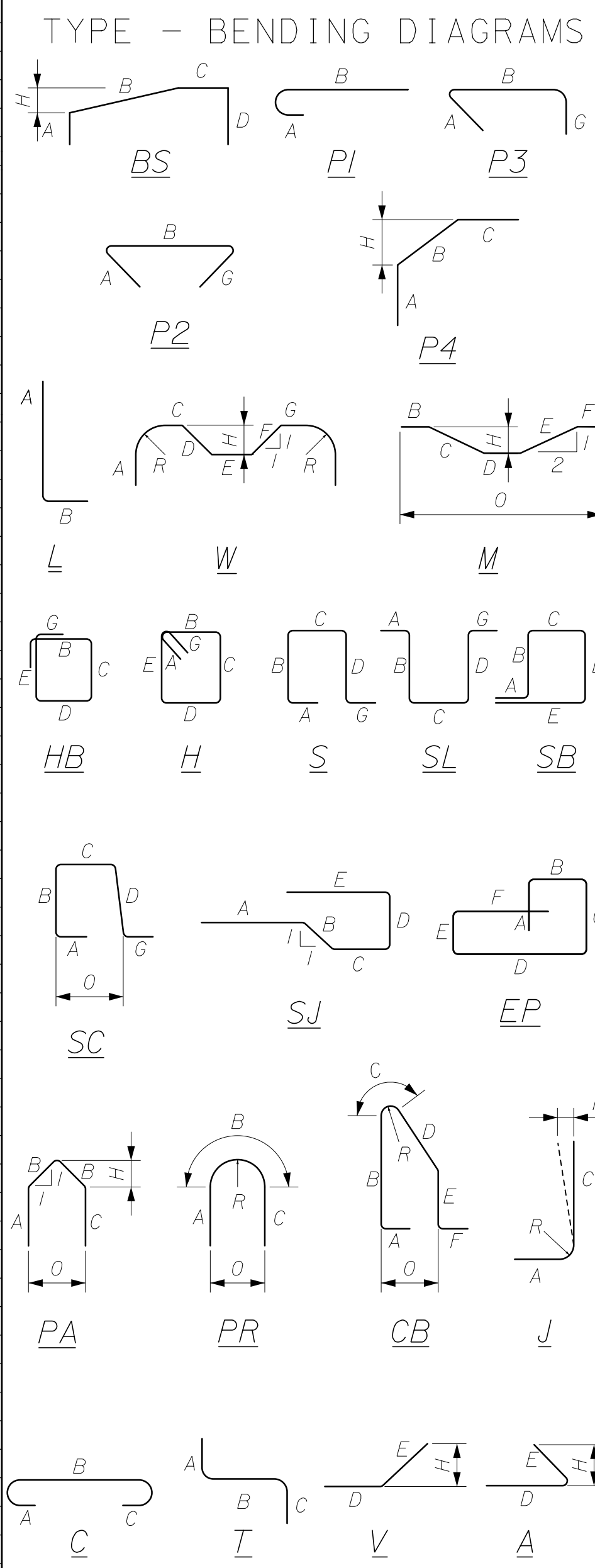


Date: 10/29/2021

Username:

Filename: 139\_Reinforcing Schedule Superstructure.dgn

STRAIGHT BARS				BENT BARS														
MARK	QTY.	LENGTH	LOCATION	MARK	QTY.	LENGTH	TYPE	A	B	C	D	E	F	G	H	O	R	LOCATION
SUPERSTRUCTURE DECK				SUPERSTRUCTURE DECK														
S500	958	35'-3"	Transverse - Deck	S350	320	0'-10"	L	0'-7"	0'-3"									Raised Median
S501	1116	42'-0"	Longitudinal - Deck, Sidewalk and Curb	V	479	6'-1"												Pedestrian Railing
S502	32	3'-0"	Scuppers	S450	160	1'-2"	L - Threaded Coupler	0'-6"	0'-8"									Raised Median
S503	240	1'-6"	Sidewalk - Threaded Coupler	S451	160	1'-1"	L - Threaded Coupler	0'-5"	0'-8"									Raised Median
S504	958	37'-2"	Transverse - Deck	VP1	220	4'-4"												Traffic Railing and Separation Railing
S600	164	38'-6"	Longitudinal - Deck and Sidewalk (over pier only)	VP1a	4	3'-3 3/4"												Traffic Railing and Separation Railing
APPROACH SLAB				VP1b	4	4'-2"												Traffic Railing and Separation Railing
AS501	32	35'-5"	Longitudinal Bar	VP2	393	7'-10 1/2"												Traffic Railing and Separation Railing
AS502	32	16'-3"	Longitudinal Bar	VP2a	4	5'-2 1/2"												Traffic Railing and Separation Railing
AS503	32	11'-3"	Longitudinal Bar	VP2b	4	6'-11"												Traffic Railing and Separation Railing
AS601	244	15'-2"	Transverse Bar	S550	240	5'-9 1/2"	SC	0'-10"	1'-4 3/4"	1'-4"	1'-4 3/4"			0'-10"			1'-5 3/8"	Curb
				S551	240	15'-4 1/2"	L	14'-9 3/4"	0'-6 3/4"									Sidewalk
				S552	240	1'-4"	L - Threaded Coupler	1'-0"	0'-4"									Sidewalk
				S553	240	5'-8 1/2"	S	0'-10"	1'-6"	1'-0 1/2"	1'-6"			0'-10"				Sidewalk
				S554	240	1'-4 1/4"	L - Threaded Coupler	0'-8 1/4"	0'-8"									Sidewalk
				S555	240	1'-11/4"	L - Threaded Coupler	0'-5 1/4"	0'-8"									Sidewalk
				S650	958	5'-8"	PI	0'-8"	5'-0"									Deck Overhang



All dimensions are out-to-out of bar.  
 Bending details and hooks shall conform to the recommendations of the current revision of ACI Standard 315 and ACI Standard 318.  
 Reinforcing Bar: ASTM A955, GRADE 75

- GENERAL NOTES**
- The first two digits following the letter(s) of the mark indicate the size of the bar:  
 Mark "A502" = bar size #5  
 Mark "P805" = bar size #8  
 Mark "S650" = bar size #6  
 Mark "S650ss" = bar size #6 Stainless Steel
  - Each crank bar, Type B, may be replaced by two (2) straight bars (one top and one bottom) of the same bar size as the crank bar. Payment in either case shall be based on crank bars as scheduled on the plans.
  - All reinforcing shall be stainless steel unless otherwise noted.



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REINFORCING SCHEDULE				SUPERSTRUCTURE				SHEET NUMBER		139		OF 144	
PROJ. MANAGER	M. Kerstberger	BY		DATE	08/21	SIGNATURE		P.E. NUMBER		DATE			
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