



Janet T. Mills
GOVERNOR

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

Bruce A. Van Note
COMMISSIONER

December 10, 2019
Subject: Little River Bridge
Replacement
State WIN: 023909.00
Location: **Gorham**
Amendment No. 1

Dear Sir/Ms.:

Please make the following changes to the Bid Documents:

In the Bid Book:

REMOVE pages 16 through 26, Proposal Schedule of Items, 11 pages, dated 11/13/2019, and **REPLACE** with the attached, revised Proposal Schedule of Items, 11 pages, dated 12/9/2016.

In the Plan Set:

REMOVE SHEET NUMBER 2 OF 42 – ESTIMATED QUANTITIES, dated 10/18/19 and **REPLACE** with attached, revised SHEET NUMBER 2 OF 42 – ESTIMATED QUANTITIES, dated 12/9/19.

REMOVE SHEET NUMBER 33 OF 42 - STRUCTURAL STEEL DETAILS & NOTES dated 10/18/19 and **REPLACE** with attached, revised SHEET NUMBER 33 OF 42 - STRUCTURAL STEEL DETAILS & NOTES, dated 12/9/19.

REMOVE SHEET NUMBER 34 OF 42 - SUPERSTRUCTURE SECTION & NOTES, dated 10/18/19 and **REPLACE** with the attached, revised SHEET NUMBER 34 OF 42 - SUPERSTRUCTURE SECTION & NOTES, dated 12/6/19.

ADD with attached SHEET NUMBER 38 OF 42 - RIGHT OF WAY MAP, dated 12/9/19.

ADD with attached SHEET NUMBER 39 OF 42 - RIGHT OF WAY MAP, dated 12/9/19.

The following questions have been received:

Question: Plan sheets 38 and 39 appear to be missing from the plan set?

Response: See above changes.

Question: What is the grade and finish of the 1 ½” anchor rods shown on sheet 36 of 42?

Response: The anchor rods on sheet 36 are defined as ASTM F1554 under Materials on Sheet 1, TITLE SHEET. The anchor rods are plain steel, and have an $F_y = 105,000$ psi, as defined in the Basic Design Stresses section of Sheet 1, TITLE SHEET.

Question: Please confirm that none of the structural steel in pay item 504.702 needs to be painted (girder ends and end diaphragms).

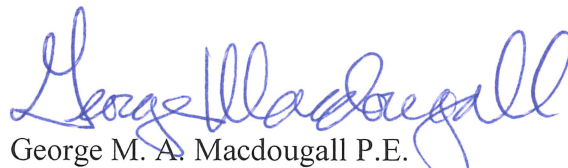
Response: The girder ends and cross frames shall be coated to a distance 10 feet from center line of bearing, please see updated sheet 33 for more information.

Question: Please clarify the pavement widths for Alternate 1 and Alternate 2.

Response: The Special Detours shall be paved to the width defined in the item description for each alternative on the plans.

Consider this change and information prior to submitting your bid on **December 18, 2019**.

Sincerely,



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

12/9/2019

Maine Department of Transportation

Proposal Schedule of Items

Page 1 of 11

Proposal ID: 023909.00

Project(s): 023909.00

SECTION: 1 MAIN ITEMS

Alt Set ID:

Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0010	202.13 REMOVING EXISTING RAILINGS (RETAINED BY DEPARTMENT)	206.000 LF	_____	 _____	_____	 _____
0020	202.19 REMOVING EXISTING BRIDGE	LUMP SUM	LUMP SUM		_____	 _____
0030	202.20 REMOVING BITUMINOUS CONCRETE PAVEMENT	1,010.000 SY	_____	 _____	_____	 _____
0040	202.202 REMOVING PAVEMENT SURFACE	270.000 SY	_____	 _____	_____	 _____
0050	203.20 COMMON EXCAVATION	2,450.000 CY	_____	 _____	_____	 _____
0060	203.2318 DISPOSAL OF SPECIAL WASTE	680.000 T	_____	 _____	_____	 _____
0070	203.24 COMMON BORROW	50.000 CY	_____	 _____	_____	 _____
0080	203.25 GRANULAR BORROW	880.000 CY	_____	 _____	_____	 _____
0090	203.33 SPECIAL FILL	100.000 CY	_____	 _____	_____	 _____
0100	206.082 STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	1,140.000 CY	_____	 _____	_____	 _____
0110	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	2,400.000 CY	_____	 _____	_____	 _____
0120	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	270.000 T	_____	 _____	_____	 _____

12/9/2019

Maine Department of Transportation

Proposal Schedule of Items

Page 2 of 11

Proposal ID: 023909.00

Project(s): 023909.00

SECTION: 1 MAIN ITEMS

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0130	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	17.000 T	_____	_____	_____	_____
0140	403.213 HOT MIX ASPHALT 12.5 MM BASE	280.000 T	_____	_____	_____	_____
0150	403.2131 12.5 MM POLYMER MODIFIED HMA BASE	260.000 T	_____	_____	_____	_____
0160	409.15 BITUMINOUS TACK COAT - APPLIED	200.000 G	_____	_____	_____	_____
0170	501.231 DYNAMIC LOADING TEST	14.000 EA	_____	_____	_____	_____
0180	501.50 STEEL H-BEAM PILES 89 LBS/FT, DELIVERED	1,010.000 LF	_____	_____	_____	_____
0190	501.501 STEEL H-BEAM PILES 89 LBS/FT, IN PLACE	920.000 LF	_____	_____	_____	_____
0200	501.90 PILE TIPS	11.000 EA	_____	_____	_____	_____
0210	501.903 PILE TIPS - ROCK INJECTOR POINT	7.000 EA	_____	_____	_____	_____
0220	501.91 PILE SPLICES	16.000 EA	_____	_____	_____	_____
0230	501.92 PILE DRIVING EQUIPMENT MOBILIZATION	LUMP SUM	LUMP SUM		_____	_____
0240	502.219 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS	LUMP SUM	LUMP SUM		_____	_____

12/9/2019

Maine Department of Transportation

Proposal Schedule of Items

Page 3 of 11

Proposal ID: 023909.00

Project(s): 023909.00

SECTION: 1 MAIN ITEMS

Alt Set ID:

Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0250	502.26 STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLABS ON STEEL BRIDGES	LUMP SUM	LUMP	SUM	_____	_____
0260	502.31 STRUCTURAL CONCRETE APPROACH SLABS	LUMP SUM	LUMP	SUM	_____	_____
0270	502.49 STRUCTURAL CONCRETE CURBS AND SIDEWALKS	LUMP SUM	LUMP	SUM	_____	_____
0280	503.12 REINFORCING STEEL, FABRICATED AND DELIVERED	27,770.000 LB	_____	_____	_____	_____
0290	503.13 REINFORCING STEEL, PLACING	27,770.000 LB	_____	_____	_____	_____
0300	503.26 STAINLESS STEEL REINFORCEMENT - FABRICATED & DELIVERED	9,080.000 LB	_____	_____	_____	_____
0310	503.27 STAINLESS STEEL REINFORCEMENT - PLACING	9,080.000 LB	_____	_____	_____	_____
0320	504.702 STRUCTURAL STEEL FABRICATED AND DELIVERED, WELDED	LUMP SUM	LUMP	SUM	_____	_____
0330	504.71 STRUCTURAL STEEL ERECTION	LUMP SUM	LUMP	SUM	_____	_____
0340	505.08 SHEAR CONNECTORS	LUMP SUM	LUMP	SUM	_____	_____
0350	507.0821 STEEL BRIDGE RAILING, 3 BAR	LUMP SUM	LUMP	SUM	_____	_____

12/9/2019

Maine Department of Transportation

Proposal Schedule of Items

Page 4 of 11

Proposal ID: 023909.00

Project(s): 023909.00

SECTION: 1 MAIN ITEMS

Alt Set ID:

Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0360	508.14 HIGH PERFORMANCE WATERPROOFING MEMBRANE	LUMP SUM	LUMP	SUM	_____	_____
0370	511.07 COFFERDAM: ABUTMENT 1	LUMP SUM	LUMP	SUM	_____	_____
0380	511.07 COFFERDAM: ABUTMENT 2	LUMP SUM	LUMP	SUM	_____	_____
0390	514.06 CURING BOX FOR CONCRETE CYLINDERS	1.000 EA	_____	_____	_____	_____
0400	515.21 PROTECTIVE COATING FOR CONCRETE SURFACES	LUMP SUM	LUMP	SUM	_____	_____
0410	520.232 EXPANSION DEVICE - ASPHALTIC PLUG JOINT	64.000 LF	_____	_____	_____	_____
0420	526.34 PERMANENT CONCRETE TRANSITION BARRIER	4.000 EA	_____	_____	_____	_____
0430	527.34 WORK ZONE CRASH CUSHIONS	4.000 UN	_____	_____	_____	_____
0440	530.30 GFRP, REINFORCEMENT BARS, FABRICATED & DELIVERED	43,500.000 LF	_____	_____	_____	_____
0450	530.31 GFRP, REINFORCEMENT BARS, PLACING	43,500.000 LF	_____	_____	_____	_____
0460	603.159 12 INCH CULVERT PIPE OPTION III	12.000 LF	_____	_____	_____	_____

12/9/2019

Maine Department of Transportation

Proposal Schedule of Items

Page 5 of 11

Proposal ID: 023909.00

Project(s): 023909.00

SECTION: 1 MAIN ITEMS

Alt Set ID:

Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0470	603.169 15 INCH CULVERT PIPE OPTION III	142.000 LF				
0480	604.246 CATCH BASIN TYPE F5	1.000 EA				
0490	606.1301 31" W-BM GR, MID-WAY SPLICE-SGL FACED	425.000 LF				
0500	606.1305 31" W-BM GR, MID-WAY SPLICE FLARED TERMINAL	4.000 EA				
0510	606.1307 BRIDGE TRANSITION (ASYMMETRICAL) - TYPE 1A	4.000 EA				
0520	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	8.000 EA				
0530	606.47 SINGLE WOOD POST	2.000 EA				
0540	609.31 CURB TYPE 3	44.000 LF				
0550	610.08 PLAIN RIPRAP	1,890.000 CY				
0560	610.18 STONE DITCH PROTECTION	100.000 CY				
0570	613.319 EROSION CONTROL BLANKET	370.000 SY				
0580	615.07 LOAM	140.000 CY				

12/9/2019

Maine Department of Transportation

Proposal Schedule of Items

Page 6 of 11

Proposal ID: 023909.00

Project(s): 023909.00

SECTION: 1 MAIN ITEMS

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0590	618.14 SEEDING METHOD NUMBER 2	22.000 UN	_____	_____	_____	_____
0600	619.12 MULCH	22.000 UN	_____	_____	_____	_____
0610	619.14 EROSION CONTROL MIX	270.000 CY	_____	_____	_____	_____
0620	620.58 EROSION CONTROL GEOTEXTILE	2,280.000 SY	_____	_____	_____	_____
0630	620.66 DRAINAGE GEOCOMPOSITE	110.000 SY	_____	_____	_____	_____
0640	621.267 LARGE DECIDUOUS TREE (1.75 INCH - 2 INCH CALIPER) GROUP A	3.000 EA	_____	_____	_____	_____
0650	621.52 DECIDUOUS SHRUBS (8 INCH - 15 INCH) ROOTED CUTTINGS	36.000 EA	_____	_____	_____	_____
0660	621.546 DECIDUOUS SHRUBS (2 FOOT - 3 FOOT) GROUP A	30.000 EA	_____	_____	_____	_____
0670	621.552 DECIDUOUS SHRUBS (3 FOOT - 4 FOOT) GROUP A	6.000 EA	_____	_____	_____	_____
0680	621.71 HERBACEOUS PERENNIALS GROUP A	60.000 EA	_____	_____	_____	_____
0690	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	2,400.000 LF	_____	_____	_____	_____
0700	629.05 HAND LABOR, STRAIGHT TIME	40.000 HR	_____	_____	_____	_____

12/9/2019

Maine Department of Transportation

Proposal Schedule of Items

Page 7 of 11

Proposal ID: 023909.00

Project(s): 023909.00

SECTION: 1 MAIN ITEMS

Alt Set ID:

Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0710	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	30.000 HR	_____	_____	_____	_____
0720	631.14 GRADER (INCLUDING OPERATOR)	20.000 HR	_____	_____	_____	_____
0730	631.15 ROLLER, EARTH AND BASE COURSE (INCLUDING OPERATOR)	20.000 HR	_____	_____	_____	_____
0740	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	30.000 HR	_____	_____	_____	_____
0750	631.22 FRONT END LOADER (INCLUDING OPERATOR)	10.000 HR	_____	_____	_____	_____
0760	639.18 FIELD OFFICE TYPE A	1.000 EA	_____	_____	_____	_____
0770	645.103 DEMOUNT GUIDE SIGN	1.000 EA	_____	_____	_____	_____
0780	645.106 DEMOUNT REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	6.000 EA	_____	_____	_____	_____
0790	645.113 REINSTALL GUIDE SIGN	1.000 EA	_____	_____	_____	_____
0800	645.116 REINSTALL REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	3.000 EA	_____	_____	_____	_____
0810	652.31 TYPE I BARRICADE	10.000 EA	_____	_____	_____	_____

12/9/2019

Maine Department of Transportation

Proposal Schedule of Items

Page 8 of 11

Proposal ID: 023909.00

Project(s): 023909.00

SECTION: 1 MAIN ITEMS

Alt Set ID:

Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0820	652.312 TYPE III BARRICADE	10.000 EA	_____	_____	_____	_____
0830	652.33 DRUM	20.000 EA	_____	_____	_____	_____
0840	652.34 CONE	40.000 EA	_____	_____	_____	_____
0850	652.35 CONSTRUCTION SIGNS	500.000 SF	_____	_____	_____	_____
0860	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES 200 CD	LUMP SUM	LUMP SUM		_____	_____
0870	652.38 FLAGGER	850.000 HR	_____	_____	_____	_____
0880	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	2.000 EA	_____	_____	_____	_____
0890	653.22 2 INCH POLYSTYRENE PLASTIC INSULATION	10.000 SY	_____	_____	_____	_____
0900	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM	LUMP SUM		_____	_____
0910	659.10 MOBILIZATION	LUMP SUM	LUMP SUM		_____	_____
0920	801.03 TEST PITS	2.000 EA	_____	_____	_____	_____
0930	801.071 TEMPORARY SEWER BY-PASS	LUMP SUM	LUMP SUM		_____	_____

12/9/2019

Maine Department of Transportation

Proposal Schedule of Items

Page 9 of 11

Proposal ID: 023909.00

Project(s): 023909.00

SECTION: 1 MAIN ITEMS

Alt Set ID:

Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0940	822.3405 8 INCH CLASS 52 DUCTILE IRON PIPE PUSH ON JOINT	140.000 LF	_____	_____	_____	_____
0950	822.34051 8 INCH CLASS 52 DUCTILE IRON PIPE PUSH ON JOINT - PREINSULATED	80.000 LF	_____	_____	_____	_____
0960	822.34052 8" CLASS 52 DUCTILE IRON PIPE RESTRAINED JOINT, PREINSUL	320.000 LF	_____	_____	_____	_____
0970	822.3605 12" CLASS 52 DUCTILE IRON PIPE PUSH ON JOINT	200.000 LF	_____	_____	_____	_____
0980	822.3632 12" CLASS 52 DUCTILE IRON PIPE RESTRAINED JOINT - PREINSULATED	320.000 LF	_____	_____	_____	_____
0990	823.3101 12" CUT-IN MJ GATE VALVE	2.000 EA	_____	_____	_____	_____
1000	823.3254 8" INSERTION VALVE	1.000 EA	_____	_____	_____	_____
1010	823.34 BLOW OFF VALVE ASSEMBLY	2.000 EA	_____	_____	_____	_____
1020	823.341 AIR RELEASE VALVE	1.000 EA	_____	_____	_____	_____
1030	825.431 1 1/2 INCH COPPER SERVICE	20.000 LF	_____	_____	_____	_____
1040	830.13 SEWER MAIN BRIDGE CROSSING 8 INCH	LUMP SUM	LUMP SUM		_____	_____

12/9/2019

Maine Department of Transportation

Proposal Schedule of Items

Page 10 of 11

Proposal ID: 023909.00

Project(s): 023909.00

SECTION: 1 MAIN ITEMS

Alt Set ID:

Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1050	830.15 WATER MAIN BRIDGE CROSSING HANGER SYSTEM 12 INCH	LUMP SUM		LUMP SUM		
Section: 1			Total:			

SECTION: 2 ONE LANE TEMPORARY DETOUR

Alt Set ID: AL

Alt Mbr ID: 1

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1060	461.131 TEMPORARY PAVEMENT	250.000 T				
1070	510.10 SPECIAL DETOUR _____ ROADWAY WIDTH VEHICULAR & PEDESTRIAN TRAFFIC NOT SEPARATED 16 FOOT	LUMP SUM		LUMP SUM		
1080	526.301 TEMPORARY CONCRETE BARRIER TYPE I	LUMP SUM		LUMP SUM		
1090	627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	1,740.000 LF				
1100	643.72 TEMPORARY TRAFFIC SIGNAL	LUMP SUM		LUMP SUM		
Section: 2			Total:			

12/9/2019

Maine Department of Transportation

Proposal Schedule of Items

Page 11 of 11

Proposal ID: 023909.00

Project(s): 023909.00

SECTION: 3 TWO LANE TEMPORARY DETOUR

Alt Set ID: AL

Alt Mbr ID: 2

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1110	461.131 TEMPORARY PAVEMENT	530.000 T	_____	_____	_____	_____
1120	510.10 SPECIAL DETOUR _____ ROADWAY WIDTH VEHICULAR & PEDESTRIAN TRAFFIC NOT SEPARATED 28 FOOT	LUMP SUM	LUMP	SUM	_____	_____
1130	526.301 TEMPORARY CONCRETE BARRIER TYPE I	LUMP SUM	LUMP	SUM	_____	_____
1140	627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	3,250.000 LF	_____	_____	_____	_____
Section: 3			Total:		_____	_____
			Total Bid:		_____	_____

ESTIMATED QUANTITIES - PROJECT TOTALS (INCLUDING UTILITY WORK)			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.13	REMOVING EXISTING RAILINGS (RETAINED BY DEPARTMENT)	206	LF
202.19	REMOVING EXISTING BRIDGE (CONCRETE: 220 CY ~ STEEL: 130,000 LB)	1	LS
202.20	REMOVING BITUMINOUS CONCRETE PAVEMENT	1,010	SY
202.202	REMOVING PAVEMENT SURFACE	270	SY
203.20	COMMON EXCAVATION	2,450	CY
203.23/8	DISPOSAL OF SPECIAL WASTE	680	T
203.24	COMMON BORROW	50	CY
203.25	GRANULAR BORROW	880	CY
203.33	SPECIAL FILL	100	CY
206.082	STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	1,140	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	2,400	CY
403.208/	HOT MIX ASPHALT - 12.5 MM NOMINAL MAXIMUM SIZE (POLYMER MODIFIED)	270	T
403.209	HOT MIX ASPHALT, 9.5 MM NOMINAL MAXIMUM SIZE (SIDEWALKS, DRIVES, ISLANDS & INCIDENTALS)	17	T
403.213	HOT MIX ASPHALT, 12.5 MM NOMINAL MAXIMUM SIZE (BASE & INTERMEDIATE BASE COURSE)	280	T
403.213/	HOT MIX ASPHALT, 12.5 MM NOM. MAX. SIZE (BASE & INTERMED. BASE COURSE, POLYMER MODIFIED)	260	T
409.15	BITUMINOUS TACK COAT, APPLIED	200	G
501.239	DYNAMIC LOADING TESTS - PROVIDING FOR	14	EA
501.50	STEEL H-BEAM PILES 89 LBS/FT, DELIVERED	1,010	LF
501.50/	STEEL H-BEAM PILES 89 LBS/FT, IN PLACE	920	LF
501.90	PILE TIPS	11	EA
501.903	PILE TIPS - ROCK INJECTOR POINT	7	EA
501.91	PILE SPLICES	16	EA
501.92	PILE DRIVING EQUIPMENT MOBILIZATION	1	LS
502.219	STRUCTURAL CONCRETE, ABUTMENTS & RETAINING WALLS (105 CY)	1	LS
502.26	STRUCTURAL CONCRETE ROADWAY & SIDEWALK SLAB ON STEEL BRIDGES (209 CY)	1	LS
502.31	STRUCTURAL CONCRETE APPROACH SLABS (24 CY)	1	LS
502.49	STRUCTURAL CONCRETE CURBS AND SIDEWALKS (17 CY)	1	LS
503.12	REINFORCING STEEL, FABRICATED & DELIVERED	27,770	LB
503.13	REINFORCING STEEL, PLACING	27,770	LB
503.26	STAINLESS STEEL REINFORCEMENT, FABRICATED & DELIVERED	9,080	LB
503.27	STAINLESS STEEL REINFORCEMENT, PLACING	9,080	LB
504.702	STRUCTURAL STEEL FABRICATED & DELIVERED, WELDED (218,200 LB)	1	LS
504.71	STRUCTURAL STEEL ERECTION (218,200 LB)	1	LS
505.08	SHEAR CONNECTORS (1,360 EA)	1	LS
507.082/	STEEL BRIDGE RAIL, 3 BAR (256 LF)	1	LS
508.14	HIGH PERFORMANCE WATERPROOFING MEMBRANE (516 SY)	1	LS
511.07	COFFERDAM, ABUTMENT 1	1	LS
511.07	COFFERDAM, ABUTMENT 2	1	LS
514.06	CURING BOX FOR CONCRETE CYLINDERS	1	EA
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES (190 SY)	1	LS
520.232	EXPANSION DEVICE - ASPHALTIC PLUG JOINT	64	LF
526.34	PERMANENT CONCRETE TRANSITION BARRIER	4	EA
527.34	WORK ZONE CRASH CUSHIONS	4	UN
530.30	GFRP, REINFORCEMENT BARS, FABRICATED & DELIVERED	43,500	LF
530.31	GFRP, REINFORCEMENT BARS, PLACING	43,500	LF
603.159	12" CULVERT PIPE OPTION III	12	LF
603.169	15" CULVERT PIPE OPTION III	142	LF
604.244	CATCH BASIN TYPE F4	1	EA
606.130/	31" W-BEAM GUARDRAIL, MID-WAY SPLICE - SINGLE FACED	425	LF
606.1305	31" W-BEAM GUARDRAIL, MID-WAY SPLICE FLARED TERMINAL	4	EA
606.1307	BRIDGE TRANSITION (ASYMMETRICAL) TYPE 1A	4	EA
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	8	EA
606.47	SINGLE WOOD POST	2	EA
609.31	CURB, TYPE 3	44	LF
610.08	PLAIN RIPRAP	1,890	CY
610.18	STONE DITCH PROTECTION	100	CY
613.319	EROSION CONTROL BLANKET	370	SY
615.07	LOAM	140	CY
618.14	SEEDING METHOD NUMBER 2	22	UN
619.12	MULCH	22	UN
619.14	EROSION CONTROL MIX	270	CY
620.58	EROSION CONTROL GEOTEXTILE	2,280	SY
620.66	DRAINAGE GEOCOMPOSITE	110	SY
621.267	LARGE DECIDUOUS TREE (1.75 INCH - 2 INCH CALIPER) GR. A	3	EA
621.54	DECIDUOUS SHRUB GROUP A 18" - 24" CONT.	36	EA
621.546	DECIDUOUS SHRUB 2'-3' GR. A	30	EA
621.552	DECIDUOUS SHRUB 3'-4' GR. A	6	EA
621.71	HERBACEOUS PERENNIALS GR. A 1 GALLON CONT.	60	EA
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	2,400	LF
629.05	HAND LABOR, STRAIGHT TIME	40	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	30	HR

ESTIMATED QUANTITIES - PROJECT TOTALS (INCLUDING UTILITY WORK), CONTINUED			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
631.14	GRADER (INCLUDING OPERATOR)	20	HR
631.15	ROLLER EARTH BASE COURSE (INCLUDING OPERATOR)	20	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	30	HR
631.22	FRONT END LOADER (INCLUDING OPERATOR)	10	HR
639.18	FIELD OFFICE TYPE A	1	EA
645.103	DEMOUNT GUIDE SIGN	1	EA
645.106	DEMOUNT REGULATORY, WARNING, CONFIRMATION & ROUTE MARKER ASSEMBLY SIGN	6	EA
645.113	REINSTALL GUIDE SIGN	1	EA
645.116	REINSTALL REGULATORY, WARNING, CONFIRMATION & ROUTE MARKER ASSEMBLY SIGN	3	EA
652.31	TYPE I BARRICADE	10	EA
652.312	TYPE III BARRICADE	10	EA
652.33	DRUM	20	EA
652.34	CONE	40	EA
652.35	CONSTRUCTION SIGNS	500	SF
652.36/	MAINTENANCE OF TRAFFIC CONTROL DEVICES (200 CD)	1	LS
652.38	FLAGGER	850	HR
652.41	PORTABLE CHANGEABLE MESSAGE SIGN	2	EA
653.22	2" EXTRUDED POLYSTYRENE INSULATION	10	SY
656.75	TEMPORARY SOIL EROSION & WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS
801.03	TEST PITS	2	EA
801.07/	TEMPORARY SEWER BY-PASS, 8 INCH	1	LS
822.3405	8" CL 52 DI PIPE PUSH ON JOINT	140	LF
822.3405/	8" CL 52 DI PIPE PUSH ON JOINT - PREINSULATED	80	LF
822.34052	8" CL 52 DI PIPE RESTRAINED JOINT - PREINSULATED	320	LF
822.3605	12" CL 52 DI PIPE PUSH ON JOINT	200	LF
822.3632	12" CL 52 DI PIPE RESTRAINED JOINT - PREINSULATED	320	LF
823.310/	12" CUT-IN MJ GATE VALVE	2	EA
823.3254	8" INSERTION VALVE	1	EA
823.34	BLOW OFF VALVE ASSEMBLY	2	EA
823.34/	AIR RELEASE VALVE - 1"	1	EA
825.431	1/2" COPPER SERVICE	20	LF
830.13	SEWER MAIN BR CROSS HANGER SYSTEM, 8 INCH	1	LS
830.15	WATER MAIN BR CROSS HANGER SYSTEM, 12 INCH	1	LS
BID OPTION NO. 1 - ONE-LANE TEMPORARY DETOUR			
461.131	TEMPORARY PAVEMENT	250	T
510.10	SPECIAL DETOUR, 16 FOOT ROADWAY WIDTH VEHICULAR AND PEDESTRIAN TRAFFIC NOT SEPARATED	1	LS
526.30/	TEMPORARY CONCRETE BARRIER TYPE 1 (1,050 LF)	1	LS
627.78	TEMPORARY 4" PAINT PAVEMENT MARKING LINE WHITE OR YELLOW	1740	LF
643.72	TEMPORARY TRAFFIC SIGNAL: MOSHER ROAD	1	LS
BID OPTION NO. 2 - TWO-LANE TEMPORARY DETOUR			
461.131	TEMPORARY PAVEMENT	530	T
510.10	SPECIAL DETOUR, 28 FOOT ROADWAY WIDTH VEHICULAR AND PEDESTRIAN TRAFFIC NOT SEPARATED	1	LS
526.30/	TEMPORARY CONCRETE BARRIER TYPE 1 (1275 LF)	1	LS
627.78	TEMPORARY 4" PAINT PAVEMENT MARKING LINE WHITE OR YELLOW	3250	LF
ESTIMATED QUANTITIES - UTILITY WORK SUBTOTALS			
203.25	GRANULAR BORROW	200	CY
629.05	HAND LABOR, STRAIGHT TIME	20	HR
631.12	ALL PURPOSE EXCAVATOR, INCLUDING OPERATOR	10	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	10	HR
631.22	FRONT END LOADER (INCLUDING OPERATOR)	10	HR
652.38	FLAGGER	350	HR
653.22	2" EXTRUDED POLYSTYRENE INSULATION	10	SY
801.03	TEST PITS	2	EA
801.07/	TEMPORARY SEWER BY-PASS, 8 INCH	1	LS
822.3405	8" CL 52 DI PIPE PUSH ON JOINT	140	LF
822.3405/	8" CL 52 DI PIPE PUSH ON JOINT - PREINSULATED	80	LF
822.34052	8" CL 52 DI PIPE RESTRAINED JOINT - PREINSULATED	320	LF
822.3605	12" CL 52 DI PIPE PUSH ON JOINT	200	LF
822.3632	12" CL 52 DI PIPE RESTRAINED JOINT - PREINSULATED	320	LF
823.310/	12" CUT-IN MJ GATE VALVE	2	EA
823.3254	8" INSERTION VALVE	1	EA
823.34	BLOW OFF VALVE ASSEMBLY	2	EA
823.34/	AIR RELEASE VALVE - 1"	1	EA
825.431	1/2" COPPER SERVICE	20	LF
830.13	SEWER MAIN BR CROSS HANGER SYSTEM, 8 INCH	1	LS
830.15	WATER MAIN BR CROSS HANGER SYSTEM, 12 INCH	1	LS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

2390900

WIN023909.00

BRIDGE NO. 3112BRIDGE PLANS

Hoyle, Tanner & Associates, Inc.

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

DATE
Nov 2019
Nov 2019

BY
B. Nichols
S. Hodgdon

Special Detour Widths

12-9-19

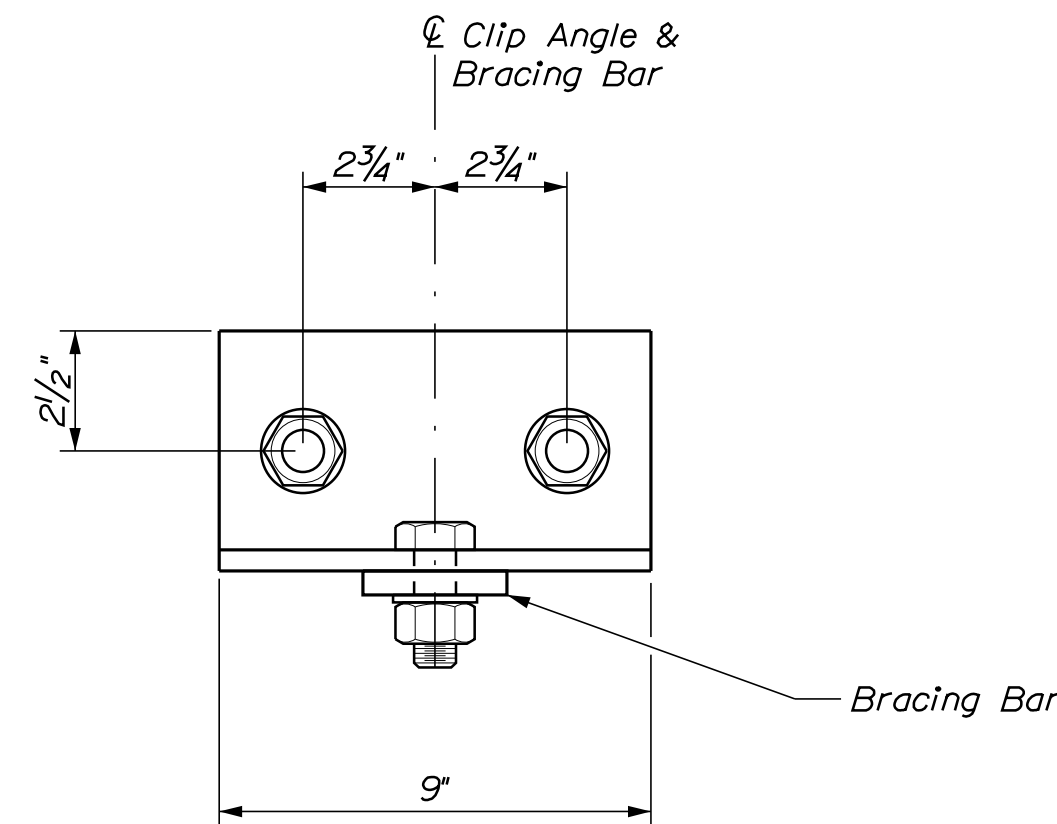
LITTLE RIVER BRIDGE
LITTLE RIVER
GORHAM CUMBERLAND COUNTY

ESTIMATED QUANTITIES

SHEET NUMBER

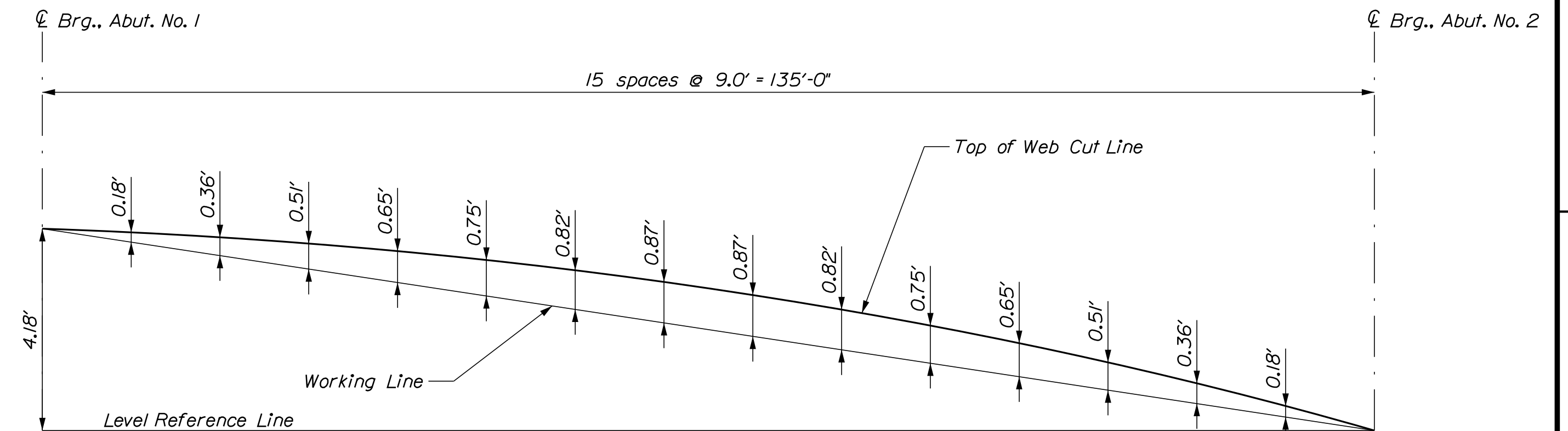
2

OF 42



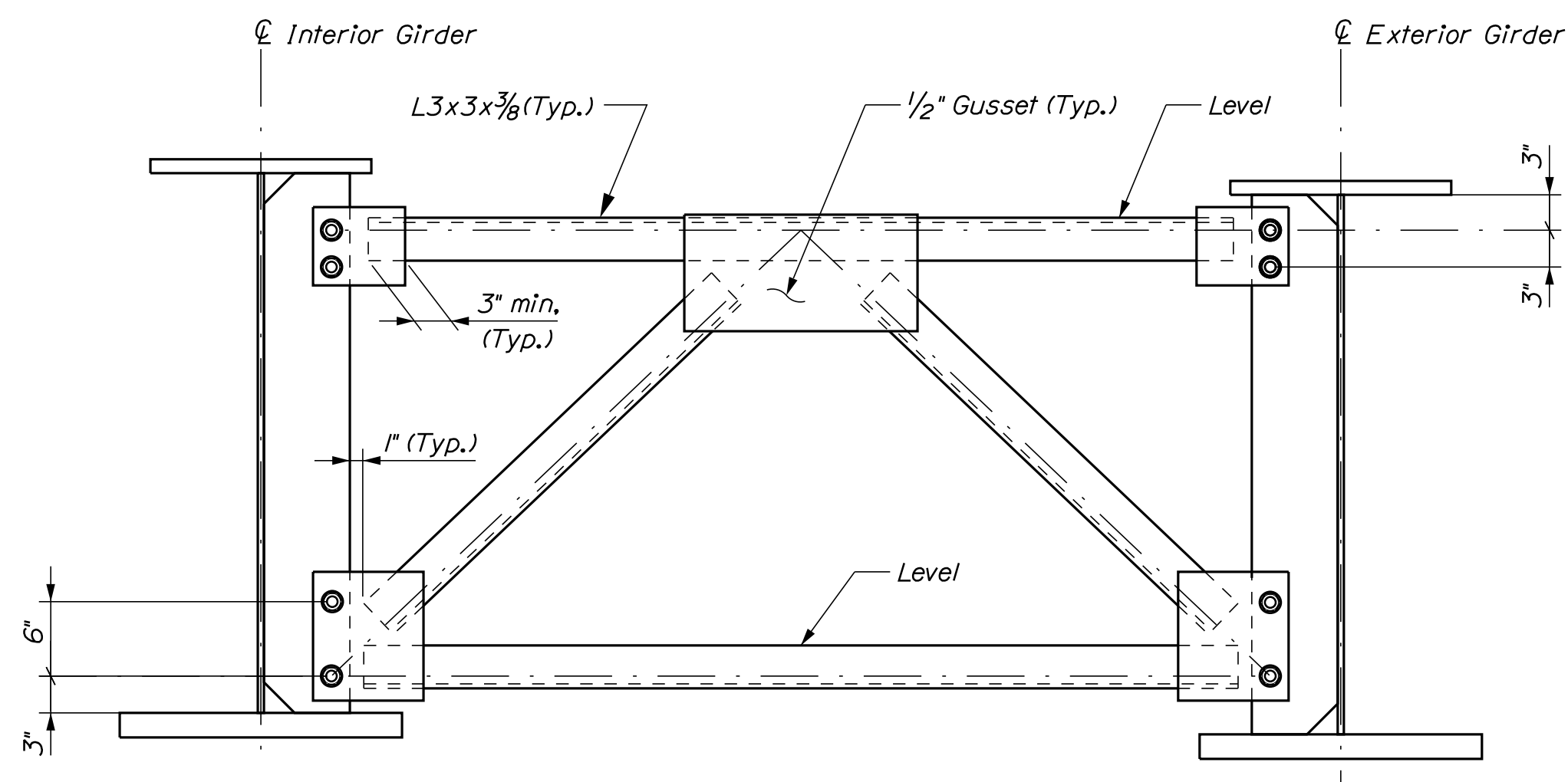
CLIP ANGLE DETAIL
View "A-A"

1. Camber ordinates, as shown, are computed to compensate for all dead load deflections. Girder deflections at mid-span from utility loads is less than $\frac{1}{2}$ ".
2. No transverse butt weld splices will be allowed in the flange plates or web plates within 10 percent of the span length from the point of maximum positive moment. Butt weld splices in flanges shall be not less than one foot from transverse butt welds in the web plates and no transverse web or flange butt welds shall be located within one foot of other transverse welds (e.g. connection plates to web welds) on either flange or web.
3. Sections of flange plates or web plates between transverse shop splices or between a transverse shop splice and a field splice shall be not less than 10 feet in length unless otherwise shown on the plans.
4. Bearing stiffeners shall be plumb after erection and dead loading of the structure.
5. Crossframe or diaphragm connection plates may be either plumb or normal to the top flange.
6. All Diaphragm & Crossframe notes in Standard Detail 504(07) shall apply.
7. All web and bottom flange plates shall conform to Zone 2 Charpy V-notch impact test requirements of AASHTO M270.
8. Install all crossframes and utility supports with horizontal angle legs oriented north (up station).
9. Coat girder ends and cross frames to a distance of 10 feet from each Abutment centerline of bearing in accordance with Standard Specification Section 506, Shop Applied Protective Coating - Steel (Zinc Rich Coating System), except NEPCOAT Qualified Products List C may be used.
10. After placement of the superstructure concrete, thoroughly clean the abutments of all stains with a method approved by the Resident. Payment will be considered incidental to related Contract items.
11. Provide a "drip bar" at Abutment No. 2 on all girders in accordance with Standard Detail 504(10).



CAMBER DIAGRAM

BOTTOM OF SLAB ELEVATIONS																	
Girder	℄ A1	9.0'	18.0'	27.0'	36.0'	45.0'	54.0'	63.0'	72.0'	81.0'	90.0'	99.0'	108.0'	117.0'	126.0'	℄ A2	Girder
G1	94.43	94.22	94.01	93.79	93.59	93.35	93.11	92.85	92.57	92.27	91.96	91.63	91.28	90.94	90.59	90.25	G1
G2	94.58	94.36	94.16	93.94	93.73	93.50	93.25	93.00	92.72	92.42	92.11	91.78	91.43	91.09	90.74	90.39	G2
G3	94.72	94.51	94.31	94.09	93.88	93.65	93.40	93.14	92.86	92.56	92.25	91.93	91.58	91.24	90.88	90.54	G3
G4	94.58	94.36	94.16	93.94	93.73	93.50	93.25	93.00	92.72	92.42	92.11	91.78	91.43	91.09	90.74	90.39	G4
G5	94.43	94.22	94.01	93.79	93.59	93.35	93.11	92.85	92.57	92.27	91.96	91.63	91.28	90.94	90.59	90.25	G5



TYPE "X" CROSSFRAME



1. The theoretical blocking used for design of the structure is 6.9 inch at the centerline of bearing of the abutments. Refer to Standard Detail 502(03) for blocking details.
2. Reinforcing shall have a minimum concrete cover of 2 inches unless otherwise noted.
3. Form a one inch V-groove on the fascias at the horizontal joint between the curb and slab.
4. The superstructure slab and upper portions of the abutments shall be placed in one continuous operation and shall be kept plastic until the entire placement has been made.
5. Precast Deck Panels shall not be used.
6. The Contractor shall install Transition Barrier vertical closed stirrups, as shown in Standard Details Section 526, prior to the placement of the curb concrete.
7. Reinforcement in Transition Barriers shall be stainless steel and shall be in accordance with Standard Detail Section 526.

DESIGN-DETAILED	R. Wood	B. Nichols	Oct 2019
CHECKED-REVIEWED	E. Wang	S. Hodgdon	Oct 2019
DESIGN-DETAILED2			
DESIGN-DETAILED3			
REVISIONS 1	Note Added		12-6-19
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CANNOT BE USED TO ESTABLISH LEGAL BOUNDARIES BETWEEN ABUTTING PROPERTY OWNERS.

Scale of Feet

25 0 25 50 75 100

STATE OF MAINE
REGISTRY OF DEEDS

COUNTY OF _____

RECEIVED _____, 20____

AT _____ HRS. _____ MINS. _____ M.
AND RECORDED IN _____

PLAN BOOK _____, PAGE _____

ATTEST: _____ REGISTRAR

PLAN LEGEND

Existing Proposed

Sanitary Sewer Telephone Line Electric Line Water Line Underdrain Line Gas Line Guardrail Culvert

Traveled Way Ditch Catch Basin Manhole Sewer Manhole Utility Pole Fire Hydrant Curbing

Cut Line Stone Wall Baseline Monument Iron Rod Found Replacement Pin Set

Fill Line Retaining Wall Traverse Point Pipe Found

10+00 11+00 12+00

CONTROL INFORMATION
HORIZONTAL DATUM - US STATE PLANE NAD83 (2011)
ZONE - MAINE 2000 WEST ZONE
VERTICAL DATUM - NAVD 88
COMBINED SCALE FACTOR - 0.9999805

MARK D. MOSHER
ROSALIE B. MOSHER

ALBERT E. MOSHER
ALBERT E. MOSHER, TRUSTEE
MARK D. MOSHER, TRUSTEE
ELIZABETH M. HILTON, TRUSTEE
MOSHER MAINE ELECTIVE TRUST
ITEM NO. (2)
TEMP. CONST. RIGHTS = 407± S.F. (1)
TOTAL AREA = 14.8± AC. (TOWN)

LINDA A. BOYNTON
TIMMY J. BOYNTON
ITEM NO. (4)
SLOPE EASE. = 0.05± AC. (1)
DRAINAGE EASE. = (1)
TEMP. CONST. RIGHTS = 938± S.F. (1)
TOTAL AREA = 3.0± AC. (TOWN)

STATE HIGHWAY "124" / ROUTE 237 / MOSHER ROAD

CURVE #1

CURVE #2

TO ROUTE 25

BEGIN B.L.

SEE S.H.C. FILE NO. S-3-83

SEE S.H.C. FILE NO. S-3-83

PCC = STA. 113+39.20

TOE OF SLOPE DITCH STA. 115+35± RT. TO STA. 116+68± RT.

0.53± AC.

TEMP. ROAD LIMITS

PT = STA. 116+57.98

PHILIP C. MASON
JONATHAN S. MASON
SANDRA R. MASON
ITEM NO. (1)
SLOPE EASE. = 0.27± AC. (1)
TEMP. ROAD RIGHTS = 0.53± AC. (1)
TOTAL AREA = 43.2± AC. (TOWN)

TOE OF SLOPE DITCH STA. 117+97± RT. TO STA. 119+25± RT.

0.38± AC.

TEMP. CONST. LIMITS

PC = STA. 119+35.74

PRESUMPTOT REGIONAL LAND TRUST
ITEM NO. (3)
SLOPE EASE. = 0.06± AC. (1)
DRAINAGE EASE. = 544± S.F. (2)
TEMP. CONST. RIGHTS = 0.11± AC. (1)
TEMP. ROAD RIGHTS = 0.38± AC. (1)
TOTAL AREA = 2.6± AC. (TOWN)

24' WIDE RIGHT-OF-WAY
SEE C.C.R.D. BOOK 1985, PAGE 250

DRAINAGE STA. 119+20 P.T. STA. 120

LITTLE RIVER BRIDGE OVER LITTLE RIVER

BRIDGE NO. 3112

WIN 023909.00

EXISTING RIGHT OF WAY INFORMATION

1) MAINE STATE HIGHWAY COMMISSION, RIGHT-OF-WAY MAP, STATE HIGHWAY "2", GORHAM, CUMBERLAND COUNTY FEDERAL AID SECONDARY PROJECT NO. S-0124(1), S.H.C. FILE NO. S-3-83, DATED JUNE 1950

2) MOSHER ROAD: CUMBERLAND COUNTY COMMISSIONER'S RECORD, VOL. 19, PG. 409, 4 RODS, 1928, ALSO SEE CUMBERLAND COUNTY COMMISSIONER'S PLAN BOOK 5, PAGE 10.

PLAN OF LAND ON MOSHER ROAD, ROUTE 237 IN GORHAM MAINE FOR ROGER P. MASON, DATED DECEMBER 2009, PREPARED BY WAYNE T. WOOD & COMPANY AND RECORDED AT THE C.C.R.D. IN PLAN BOOK 206, PAGE 230.

REVISIONS

NO. DATE DESCRIPTION BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO. GRANTOR INSTRUMENT DATE BOOK PAGE

BRUCE A. VAN NOTE

COMMISSIONER

JOYCE NOEL TAYLOR

CHIEF ENGINEER

DATE

STATE HIGHWAY "124"
ROUTE 237 / MOSHER ROAD
GORHAM CUMBERLAND COUNTY
STATE PROJECT NO. 23909.00

SEPTEMBER 2019
SCALE 1" = 25'

RIGHT-OF-WAY MAP
SHEET 1 OF 2

D.O.T FILE NO. 3-648

SHEET NUMBER

38

OF 42

Date:12/9/2019

Username: devon.c.eaton

Division: BRIDGE

Filenam: ... \00\ROW\MSTA\039_RWPLAN2.dgn

