



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

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

July 27, 2023
Subject: Red Bridge Replacement
State WIN: 021700.01
Location: **Rumford & Mexico**
Amendment No. 3

Dear Sir/Ms.:

Make the following changes to the Bid Documents:

In the Bid Book **REMOVE** the "Proposal Schedule of items" 17 paged dated 7/20/23 added in amendment #2 and **REPLACE** with the attached new "Proposed Schedule of Items" 17 pages dated 7/27/2023.

Insert SPECIAL PROVISION SECTION 524 TEMPORARY STRUCTURAL SUPPORTS totaling two pages

In the Plans:

REMOVE sheet two titled Estimated quantities and **REPLACE** the attached Estimated Quantities dated 7/27/23

Insert the attached MAINTENANCE of TRAFFIC PLANS totaling two pages

The following questions have been received:

Question:

To construct the Temporary Detour and to be outside the existing bridge wingwall/footing limits for bridge removal and rip rap installation, the TEMPORARY ROADWAY LIMITS shown on the Rumford side of the project, will not be enough to run out the fill slopes within the limits shown without additional temporary land easements being taken. A temporary earth retaining wall could be installed to retain the fill slopes but would be very expensive to construct. Is it the Department's intention for the contractor to run an earth retaining wall most of the length of this fill slope? Would the Department consider acquiring more ROW for the fill slopes? Please advise.

Response: The Contractor needs to work inside the right of way obtained for the project as shown on the Plans. The Department has no plans to acquire additional ROW for the project.

The temporary roadway limits were not established considering the temporary bridge and temporary roadway alignment to be clear of all portions of the existing bridge and the proposed riprap limits. It was assumed the removal of the existing bridge and placement of the proposed riprap could be phased and coordinated with the

construction/removal of the temporary bridge and temporary roadway with earth support between the new abutments and the Special Detour.

MaineDOT will post a copy of the conceptual detour plan developed for the project for the Contractor's information. This plan is conceptual, used only for determining property impacts during preliminary design. The Contractor is still responsible for the design of the Special Detour in accordance with the Specifications. Note that property references or owner names on this conceptual plan may be outdated. The Contractor shall use the final ROW map in the Contract Plans for any property references.

Question: Notations associated with the new 120V electrical feed for the scoreboard as shown on Sheets 52 & 53 indicate that the 120V electrical feed is by others. Please confirm if this is correct.

Response: The new electrical feed (conduit and wiring) will be installed by the Contractor. Please strike out "(by Others)" using pen and ink.

Question: If the new 120V electrical feed for the scoreboard as shown on Sheets 52 & 53 is by others, are we to assume that the work by others includes both the conduit and the wire?

Response: The new electrical feed including both conduit and wiring for the scoreboard will be provided and installed by the Contractor.

Consider these changes and information prior to submitting your bid on **August 2, 2023**.

Sincerely,



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

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 021700.01

Project(s): 021700.01

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	201.23 REMOVING SINGLE TREE TOP ONLY	27.000 EA	_____	 _____	_____	 _____
0020	201.24 REMOVING STUMP	27.000 EA	_____	 _____	_____	 _____
0030	202.01 REMOVING STRUCTURES AND OBSTRUCTIONS	LUMP SUM	LUMP SUM		_____	 _____
0040	202.15 REMOVING EXISTING MANHOLE OR CATCH BASIN	1.000 EA	_____	 _____	_____	 _____
0050	202.19 REMOVING EXISTING BRIDGE	LUMP SUM	LUMP SUM		_____	 _____
0060	202.202 REMOVING PAVEMENT SURFACE	970.000 SY	_____	 _____	_____	 _____
0070	202.203 PAVEMENT BUTT JOINTS	90.000 SY	_____	 _____	_____	 _____
0080	202.2111 REMOVING, STORING, AND RESETTING OBJECTS	1.000 EA	_____	 _____	_____	 _____
0090	203.20 COMMON EXCAVATION	1,860.000 CY	_____	 _____	_____	 _____
0100	203.2318 DISPOSAL OF SPECIAL WASTE	2,160.000 T	_____	 _____	_____	 _____
0110	203.24 COMMON BORROW	10.000 CY	_____	 _____	_____	 _____
0120	203.25 GRANULAR BORROW	530.000 CY	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 021700.01

Project(s): 021700.01

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	206.061 STRUCTURAL EARTH EXCAVATION - DRAINAGE AND MINOR STRUCTURES, BELOW GRADE	6.000 CY	_____	 _____	_____	 _____
0140	206.07 STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES	2.000 CY	_____	 _____	_____	 _____
0150	206.082 STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	1,300.000 CY	_____	 _____	_____	 _____
0160	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	1,505.000 CY	_____	 _____	_____	 _____
0170	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	235.000 T	_____	 _____	_____	 _____
0180	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	105.000 T	_____	 _____	_____	 _____
0190	403.2131 12.5 MM POLYMER MODIFIED HMA BASE	450.000 T	_____	 _____	_____	 _____
0200	409.15 BITUMINOUS TACK COAT - APPLIED	230.000 G	_____	 _____	_____	 _____
0210	411.131 STONE DUST SURFACE COURSE	1,675.000 SF	_____	 _____	_____	 _____
0220	461.131 TEMPORARY PAVEMENT	515.000 T	_____	 _____	_____	 _____
0230	501.231 DYNAMIC LOADING TEST	6.000 EA	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 021700.01

Project(s): 021700.01

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
0240	501.50 STEEL H-BEAM PILES 89 LBS/FT, DELIVERED	580.000 LF	_____	_____	_____	_____
0250	501.501 STEEL H-BEAM PILES 89 LBS/FT, IN PLACE	580.000 LF	_____	_____	_____	_____
0260	501.903 PILE TIPS - ROCK INJECTOR POINT	25.000 EA	_____	_____	_____	_____
0270	501.92 PILE DRIVING EQUIPMENT MOBILIZATION	LUMP SUM	LUMP SUM	LUMP SUM	_____	_____
0280	502.219 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS	LUMP SUM	LUMP SUM	LUMP SUM	_____	_____
0290	502.22 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS (PLACED UNDER WATER)	215.000 CY	_____	_____	_____	_____
0300	502.26 STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLABS ON STEEL BRIDGES	LUMP SUM	LUMP SUM	LUMP SUM	_____	_____
0310	502.31 STRUCTURAL CONCRETE APPROACH SLABS	LUMP SUM	LUMP SUM	LUMP SUM	_____	_____
0320	502.49 STRUCTURAL CONCRETE CURBS AND SIDEWALKS	LUMP SUM	LUMP SUM	LUMP SUM	_____	_____
0330	502.83 PRECAST BLOCK MAT	1,500.000 SF	_____	_____	_____	_____

Maine Department of Transportation

Proposal Schedule of Items

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Project(s): 021700.01

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
0340	503.12 REINFORCING STEEL, FABRICATED AND DELIVERED	49,200.000 LB	_____	 _____	_____	 _____
0350	503.13 REINFORCING STEEL, PLACING	49,200.000 LB	_____	 _____	_____	 _____
0360	503.19 LOW-CARBON, CHROMIUM REINFORCEMENT - FABRICATED & DELIVERED	16,200.000 LB	_____	 _____	_____	 _____
0370	503.20 LOW-CARBON, CHROMIUM REINFORCEMENT - PLACING	16,200.000 LB	_____	 _____	_____	 _____
0380	504.702 STRUCTURAL STEEL FABRICATED AND DELIVERED, WELDED	LUMP SUM		LUMP SUM	_____	 _____
0390	504.71 STRUCTURAL STEEL ERECTION	LUMP SUM		LUMP SUM	_____	 _____
0400	505.08 SHEAR CONNECTORS	LUMP SUM		LUMP SUM	_____	 _____
0410	507.08161 STEEL APPROACH RAILING, 4 BAR	4.000 EA	_____	 _____	_____	 _____
0420	507.0831 STEEL BRIDGE RAILING, 4 BAR	LUMP SUM		LUMP SUM	_____	 _____
0430	507.084 STEEL PIPE HAND RAILING	120.000 LF	_____	 _____	_____	 _____
0440	508.14 HIGH PERFORMANCE WATERPROOFING MEMBRANE	LUMP SUM		LUMP SUM	_____	 _____

Maine Department of Transportation

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Project(s): 021700.01

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
0450	510.12 SPECIAL DETOUR__FOOT ROADWAY WIDTH, VEHICULAR AND PEDESTRIAN TRAFFIC SEPARATED 24 FT	LUMP SUM	LUMP	SUM	_____	_____
0460	511.07 COFFERDAM: ABUT NO.1	LUMP SUM	LUMP	SUM	_____	_____
0470	511.07 COFFERDAM: ABUT NO.1 RIPRAP	LUMP SUM	LUMP	SUM	_____	_____
0480	511.07 COFFERDAM: ABUT NO.2 RIPRAP & PIER REMOVAL	LUMP SUM	LUMP	SUM	_____	_____
0490	511.07 COFFERDAM: BOAT LAUNCH	LUMP SUM	LUMP	SUM	_____	_____
0500	512.081 FRENCH DRAINS	LUMP SUM	LUMP	SUM	_____	_____
0510	513.22 CRUSHED STONE SLOPE PROTECTION	33.000 SY	_____	_____	_____	_____
0520	515.21 PROTECTIVE COATING FOR CONCRETE SURFACES	LUMP SUM	LUMP	SUM	_____	_____
0530	520.22 EXPANSION DEVICE - COMPRESSION SEAL	1.000 EA	_____	_____	_____	_____
0540	523.52 BEARING INSTALLATION	10.000 EA	_____	_____	_____	_____
0550	523.5401 LAMINATED ELASTOMERIC BEARINGS, FIXED	5.000 EA	_____	_____	_____	_____

Maine Department of Transportation

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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
0560	523.5402 LAMINATED ELASTOMERIC BEARINGS, EXPANSION	5.000 EA	_____	 _____	_____	 _____
0565	524.301 TEMPORARY STRUCTURAL SUPPORT	LUMP SUM	LUMP SUM		_____	 _____
0570	526.301 PORTABLE CONCRETE BARRIER TYPE I	LUMP SUM	LUMP SUM		_____	 _____
0580	527.34 WORK ZONE CRASH CUSHIONS	4.000 UN	_____	 _____	_____	 _____
0590	530.30 GFRP, REINFORCEMENT BARS, FABRICATED & DELIVERED	60,700.000 LF	_____	 _____	_____	 _____
0600	530.31 GFRP, REINFORCEMENT BARS, PLACING	60,700.000 LF	_____	 _____	_____	 _____
0610	603.199 24 INCH CULVERT PIPE OPTION III	60.000 LF	_____	 _____	_____	 _____
0620	603.229 42 INCH CULVERT PIPE OPTION III	160.000 LF	_____	 _____	_____	 _____
0630	604.072 CATCH BASIN TYPE A1-C	2.000 EA	_____	 _____	_____	 _____
0640	604.077 72 INCH CATCH BASIN TYPE A1-C	1.000 EA	_____	 _____	_____	 _____
0650	604.15 MANHOLE	1.000 EA	_____	 _____	_____	 _____
0660	604.18 ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	5.000 EA	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 021700.01

Project(s): 021700.01

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
0670	605.09 6 INCH UNDERDRAIN TYPE B	402.000 LF	_____	 _____	_____	 _____
0680	605.11 12 INCH UNDERDRAIN TYPE C	45.000 LF	_____	 _____	_____	 _____
0690	606.1301 31" W-BM GR, MID-WAY SPLICE-SGL FACED	368.000 LF	_____	 _____	_____	 _____
0700	606.1304 31" W-BM GR, MID-WAY SPLICE-OVER 15' RAD	37.500 LF	_____	 _____	_____	 _____
0710	606.1305 31" W-BM GR, MID-WAY SPLICE FLARED TERMINAL	1.000 EA	_____	 _____	_____	 _____
0720	606.1721 BRIDGE TRANSITION - TYPE 1	4.000 EA	_____	 _____	_____	 _____
0730	606.265 TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	4.000 EA	_____	 _____	_____	 _____
0740	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	8.000 EA	_____	 _____	_____	 _____
0750	606.358 GUARDRAIL, MODIFY	9.000 LF	_____	 _____	_____	 _____
0760	607.156 SWING GATE - SECURITY CHAIN LINK FENCE 20FT X 8FT TALL	1.000 EA	_____	 _____	_____	 _____
0770	607.1701 TEMPORARY CHAIN LINK FENCE - 6' MOVEABLE	150.000 LF	_____	 _____	_____	 _____

Maine Department of Transportation

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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
0780	607.181 CHAIN LINK FENCE - 8 FOOT HIGH SECURITY	185.000 LF	_____	 _____	_____	 _____
0790	607.24 REMOVE AND RESET FENCE	300.000 LF	_____	 _____	_____	 _____
0800	608.08 REINFORCED CONCRETE SIDEWALK	35.000 SY	_____	 _____	_____	 _____
0810	608.26 CURB RAMP DETECTABLE WARNING FIELD	54.000 SF	_____	 _____	_____	 _____
0820	609.11 VERTICAL CURB TYPE 1	946.000 LF	_____	 _____	_____	 _____
0830	609.12 VERTICAL CURB TYPE 1 - CIRCULAR	15.000 LF	_____	 _____	_____	 _____
0840	609.221 TERMINAL CURB TYPE 1	160.000 LF	_____	 _____	_____	 _____
0850	609.222 TERMINAL CURB TYPE 1 - CIRCULAR	20.000 LF	_____	 _____	_____	 _____
0860	609.38 RESET CURB TYPE 1	10.000 LF	_____	 _____	_____	 _____
0870	610.08 PLAIN RIPRAP	30.000 CY	_____	 _____	_____	 _____
0880	610.16 HEAVY RIPRAP	2,935.000 CY	_____	 _____	_____	 _____
0890	610.18 STONE DITCH PROTECTION	10.000 CY	_____	 _____	_____	 _____
0900	613.319 EROSION CONTROL BLANKET	70.000 SY	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 021700.01

Project(s): 021700.01

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
0910	615.07 LOAM	46.000 CY	_____	 _____	_____	 _____
0920	618.13 SEEDING METHOD NUMBER 1	8.000 UN	_____	 _____	_____	 _____
0930	619.12 MULCH	8.000 UN	_____	 _____	_____	 _____
0940	619.14 EROSION CONTROL MIX	10.000 CY	_____	 _____	_____	 _____
0950	620.58 EROSION CONTROL GEOTEXTILE	2,880.000 SY	_____	 _____	_____	 _____
0960	626.11 PRECAST CONCRETE JUNCTION BOX	1.000 EA	_____	 _____	_____	 _____
0970	626.21 METALLIC CONDUIT	55.000 LF	_____	 _____	_____	 _____
0980	626.22 NON-METALLIC CONDUIT	380.000 LF	_____	 _____	_____	 _____
0990	626.421 24 INCH DIAMETER FOUNDATION	8.000 LF	_____	 _____	_____	 _____
1000	627.18 12 " SOLID WHITE PAVEMENT MARKING	345.000 LF	_____	 _____	_____	 _____
1010	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	2,300.000 LF	_____	 _____	_____	 _____
1020	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	475.000 SF	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 021700.01

Project(s): 021700.01

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
1030	627.77 REMOVING PAVEMENT MARKINGS	300.000 SF	_____	 _____	_____	 _____
1040	627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	4,700.000 LF	_____	 _____	_____	 _____
1050	629.05 HAND LABOR, STRAIGHT TIME	20.000 HR	_____	 _____	_____	 _____
1060	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	20.000 HR	_____	 _____	_____	 _____
1070	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	30.000 HR	_____	 _____	_____	 _____
1080	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	10.000 HR	_____	 _____	_____	 _____
1090	634.160 HIGHWAY LIGHTING	LUMP SUM	LUMP SUM		_____	 _____
1100	634.2042 LED LUMINARIES	3.000 EA	_____	 _____	_____	 _____
1110	634.210 CONVENTIONAL LIGHT STANDARD	3.000 EA	_____	 _____	_____	 _____
1120	634.25 SERVICE POLE COMPLETE WITH CABINET AND CONTROLS	1.000 EA	_____	 _____	_____	 _____
1130	634.314 #6 AWG COPPER WIRE	350.000 LF	_____	 _____	_____	 _____
1140	639.18 FIELD OFFICE TYPE A	1.000 EA	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 021700.01

Project(s): 021700.01

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
1150	641.95 SPORTS SHELTER	1.000 EA	_____	 _____	_____	 _____
1160	642.17 CAST-IN-PLACE CONCRETE STEPS	1.500 CY	_____	 _____	_____	 _____
1170	643.61 FLASHING BEACON MODIFICATION	LUMP SUM	LUMP SUM		_____	 _____
1180	652.312 TYPE III BARRICADE	4.000 EA	_____	 _____	_____	 _____
1190	652.33 DRUM	30.000 EA	_____	 _____	_____	 _____
1200	652.34 CONE	100.000 EA	_____	 _____	_____	 _____
1210	652.35 CONSTRUCTION SIGNS	400.000 SF	_____	 _____	_____	 _____
1220	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	LUMP SUM	LUMP SUM		_____	 _____
1230	652.38 FLAGGER	2,000.000 HR	_____	 _____	_____	 _____
1240	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	2.000 EA	_____	 _____	_____	 _____
1250	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM	LUMP SUM		_____	 _____
1260	659.10 MOBILIZATION	LUMP SUM	LUMP SUM		_____	 _____

Maine Department of Transportation

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Project(s): 021700.01

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
1270	660.21 ON-THE-JOB TRAINING (BID)	1,000.000 HR	_____	 _____	_____	 _____
1280	674.10 PREFABRICATED CONCRETE MODULAR GRAVITY WALL	1,084.000 SF	_____	 _____	_____	 _____
1290	801.071 TEMPORARY SEWER BY-PASS	LUMP SUM		 LUMP SUM	_____	 _____
1300	801.18 12 INCH PVC SANITARY SEWER (SDR-35)	115.000 LF	_____	 _____	_____	 _____
1310	812.162 ADJUSTING SEWER MANHOLE TO GRADE	5.000 EA	_____	 _____	_____	 _____
1320	853.16 BOAT RAMP PLANKS	25.000 EA	_____	 _____	_____	 _____
Section: 1			Total:		_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 021700.01

Project(s): 021700.01

SECTION: 2

MEXICO WATER DISTRICT - RUMFORD WATER DISTRICT

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
1330	823.3251 8 INCH GATE VALVE WITH BOX	1.000 EA	_____	_____	_____	_____
1340	823.36 CUT & PLUG WATER MAIN W/ THRUST BLOCK	2.000 EA	_____	_____	_____	_____
1350	824.30 FIRE HYDRANT	2.000 EA	_____	_____	_____	_____
Section: 2			Total:		_____	_____
			Total Bid:		_____	_____

SPECIAL PROVISION
SECTION 524
TEMPORARY STRUCTURAL SUPPORTS
(Roadway Support During Staged Construction)

The following is added to Standard Specification Section 524:

524.01 Description

This work shall consist of designing, fabricating, erecting, maintaining, and dismantling temporary structural support wall(s) for the purpose of supporting the Roadway during construction of the ADA ramp between station 3+15 right and station 3+92 right. Temporary Structural Support shall include support, bracing, or otherwise stabilizing any structures disturbed or partially removed as part of the Work.

524.03 Design

The temporary structure and approaches shall achieve acceptable minimum factors of safety. Minimum factors of safety for slope stability are 1.3 for approach embankment slopes and 1.5 for embankment slopes that contain or support structures. The minimum factor of safety for sliding and overturning is 1.3.

The design for the Temporary Structural Support shall be submitted to the Resident at least 3 weeks prior to the start of Work.

524.05 Method of Measurement

Temporary Structural Supports for Roadway support during staged construction will be measured as one lump sum satisfactorily designed, installed, maintained, dismantled, and removed for the entire project. Installation and reinstallation of Temporary Structural Supports between construction phases, if required, will not be measured separately, but will be considered incidental to the Temporary Structural Support Pay Item. Any work associated with support, bracing, or otherwise stabilizing any structures disturbed or partially removed as part of the Work or with removal and reinstallation of existing highway appurtenances (e.g. guardrails, sign supports, etc.) to facilitate the erection of Temporary Structural Supports will not be measured for payment, but will be considered incidental to the Temporary Structural Support Pay Item.

524.06 Basis of Payment

Temporary Structural Support for Roadway support will be paid for at the Contract lump sum price, which shall be full compensation for all materials, equipment, labor, and incidentals necessary for the design, installation, maintenance, dismantling, and removal of such supports in accordance with the Standard Specifications and as specified herein.

Rumford-Mexico
Red Bridge #2707
WIN 21700.01
August 27, 2023

Payments will be made under:

<u>Pay Item</u>		<u>Pay Unit</u>
524.301	Temporary Structural Support	Lump Sum

Date: 7/27/2023

Username:

Division: HIGHWAY

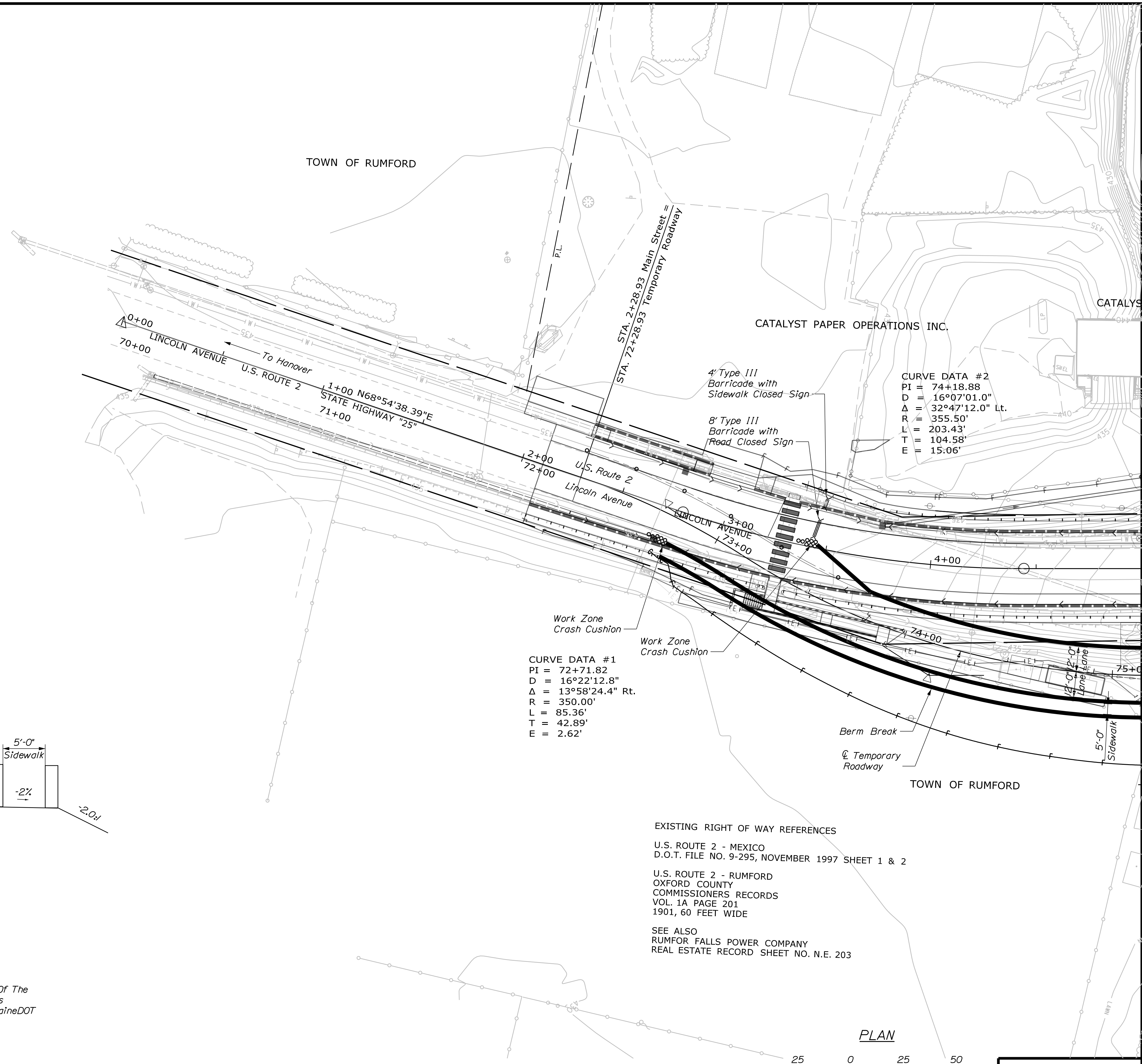
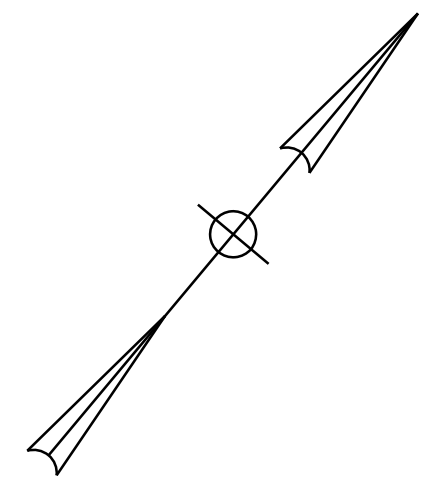
Filename: ... \BRIDGE\MSTA\... Quantities.dgn

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
201.23	Removing Single Tree - Top Only	27	EA
201.24	Removing Stump	27	EA
202.01	Removing Structures And Obstructions	1	LS
202.15	Removing Manhole Or Catch Basin	1	EA
202.19	Removing Existing Bridge (1050 CY)	1	LS
202.202	Removing Pavement Surface	970	SY
202.203	Pavement Butt Joints	90	SY
202.2111	Removing, Storing, And Resetting Object	1	EA
203.20	Common Excavation	1860	CY
203.2318	Disposal Of Special Waste	2160	TON
203.24	Common Borrow	10	CY
203.25	Granular Borrow	530	CY
206.061	Structural Earth Excavation - Drainage And Minor Structures Below Grade	6	CY
206.07	Structural Rock Excavation - Drainage And Minor Structures	2	CY
206.082	Structural Earth Excavation - Major Structures, Plan Quantity	1,300	CY
304.10	Aggregate Subbase Course - Gravel	1505	CY
403.2081	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size	235	TON
403.209	Hot Mix Asphalt, 9.5 mm Nominal Maximum Size (Sidewalks, Drives & Incidentals)	105	TON
403.2131	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (Base And Intermediate Base Course, Polymer Modified)	450	TON
409.15	Bituminous Tack Coat, Applied	230	GAL
411.131	Stone Dust Surface Course	1675	SF
461.131	Temporary Pavement	515	TON
501.231	Dynamic Loading Test	6	EA
501.50	Steel H-Beam Piles, 89 Lb/Lf, Delivered	580	LF
501.501	Steel H-Beam Piles, 89 Lb/Lf, In Place	580	LF
501.903	Pile Tips - Rock Injector Point	25	EA
501.92	Pile Driving Equipment Mobilization	1	LS
502.219	Structural Concrete Abutment And Retaining Walls (447 CY)	1	LS
502.22	Structural Concrete Abutment And Retaining Walls, Placed Under Water	215	CY
502.26	Structural Concrete Roadway And Sidewalk Slabs On Steel Bridge (233 CY)	1	LS
502.31	Structural Concrete Approach Slabs (26 CY)	1	LS
502.49	Structural Concrete Curbs And Sidewalks (78 CY)	1	LS
502.83	Precast Block Mat	1500	SF
503.12	Reinforcing Steel, Fabricated And Delivered	49,200	LB
503.13	Reinforcing Steel, Placing	49,200	LB
503.19	Low-Carbon Chromium Reinforcement, Fabricated And Delivered	16,200	LB
503.20	Low-Carbon Chromium Reinforcement, Placing	16,200	LB
504.702	Structural Steel Fabricated & Delivered, Welded (454000 LB)	1	LS
504.71	Structural Steel Erection (454000 LB)	1	LS
505.08	Shear Connectors (2430 EA)	1	LS
507.08161	Steel Approach Railing, 4-Bar	4	EA
507.0831	Steel Bridge Railing, 4 Bar (410 LF)	1	LS
507.084	Steel Pipe Hand Railing	120	LF
508.14	High Performance Waterproofing Membrane (610 SY)	1	LS
510.12	Special Detour, 24 Foot Roadway Width Vehicular And Pedestrian Traffic Separated	1	LS
511.07	Cofferdam - Abutment No. 1	1	LS
511.07	Cofferdam - Boat Launch	1	LS
511.07	Cofferdam - Abutment No. 1 Riprap	1	LS
511.07	Cofferdam - Abutment No. 2 Riprap And Pier Removal	1	LS
512.081	French Drains (90 LF)	1	LS
513.22	Crushed Stone Slope Protection	33	SY
515.21	Protective Coating For Concrete Structures (390 SY)	1	LS
520.22	Expansion Device - Compression Seal	1	EA
523.52	Bearing Installation	10	EA
523.5401	Laminated Elastomeric Bearings, Fixed	5	EA
523.5402	Laminated Elastomeric Bearings, Expansion	5	EA
524.301	Temporary Structural Support	1	LS
526.301	Temporary Conc. Barrier Type I (100 LF)	1	LS
527.34	Work Zone Crash Cushion	4	UN
530.30	Glass Fiber Reinforced Polymer, Reinforcement Bars, Fabricated & Delivered	60,700	LF
530.31	Glass Fiber Reinforced Polymer, Reinforcement Bars, Placing	60,700	LF
603.199	24" Culv Pipe Option III	60	LF
603.229	42" Culv Pipe Option III	160	LF
604.072	Catch Basin Type A1-C	2	EA
604.077	72" Catch Basin Type A1-C	1	EA
604.15	Manhole	1	EA
604.18	Adjust Manhole Or Catch Basin To Grade	5	EA
605.09	6" Underdrain Type B	402	LF
605.11	12" Inch Underdrain Type C	45	LF
606.1301	31" W-Beam Guardrail - Mid-Way Splice - Single Faced	368	LF
606.1304	31" W-Beam Guardrail - Mid-Way Splice - Over 15' Radius	37.5	LF
606.1305	31" W-Beam Guardrail - Mid-Way Splice Flared Terminal	1	EA
606.1721	Bridge Transition - Type I	4	EA
606.265	Terminal End - Single Rail - Galvanized Steel	4	EA
606.353	Reflectorized Flexible Guardrail Marker	8	EA
606.358	Guardrail, Modify	9	LF
607.156	Swing Gate - Security Chain Link Fence 20 Ft Wide X 8 Ft Tall	1	EA
607.1701	Temporary Chain Link Fence - 6Ft, Moveable	150	LF
607.181	Chain Link Fence - 8 Ft., High-Security Fencing	185	LF
607.24	Remove And Reset Fence	300	LF
608.08	Reinforced Concrete Sidewalk	35	SY
608.26	Curb Ramp Detectable Warning Field	54	SF
609.11	Vertical Curb Type I	946	LF
609.12	Vertical Curb Type I - Circular	15	LF
609.221	Terminal Curb Type I	160	LF

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
609.222	Terminal Curb Type I - Circular	20	LF
609.38	Reset Curb Type I	10	LF
610.08	Plain Riprap	30	CY
610.16	Heavy Riprap	2,935	CY
610.18	Stone Ditch Protection	10	CY
613.319	Erosion Control Blanket	70	SY
615.07	Loom	46	CY
618.13	Seeding Method Number 1	8	UN
619.12	Mulch	8	UN
619.14	Erosion Control Mix	10	CY
620.58	Erosion Control Geotextile	2,880	SY
626.11	Precast Concrete Junction Box	1	EA
626.21	Metallic Conduit	55	LF
626.22	Non Metallic Conduit	380	LF
626.421	24-Inch Diameter Foundation	8	LF
627.18	12-Inch Solid White Pavement Marking Line	345	LF
627.733	4" White Or Yellow Painted Pavement Marking Line	2300	LF
627.75	White Or Yellow Pavement & Curb Marking	475	SF
627.77	Remove Pavement Markings	300	SF
627.78	Temporary 4" Painted Pavement Marking Line, White Or Yellow	4700	LF
629.05	Hand Labor, Straight Time	20	HR
631.12	All Purpose Excavator (Including Operator)	20	HR
631.172	Truck - Large (Including Operator)	30	HR
631.32	Culvert Clearing (Including Operator)	10	HR
634.160	Highway Lighting	1	LS
634.2042	LED Luminaires	3	EA
634.210	Conventional Light Standard	3	EA
634.25	Service Pole Complete With Cabinet And Controller	1	EA
634.314	*6 AWG Copper Wire	350	LF
639.18	Field Office, Type A	1	EA
641.95	Sports Shelter	1	EA
642.17	Cast-In-Place Concrete Steps	1.5	CY
643.61	Flashing Beacon Modification	1	LS
652.312	Type III Barricades	4	EA
652.33	Drum	30	EA
652.34	Cone	100	EA
652.35	Construction Signs	400	SF
652.361	Maintenance Of Traffic Control Devices (420 CD)	1	LS
652.38	Flaggers	2000	HR
652.41	Portable Changeable Message - Sign	2	EA
656.75	Temporary Soil Erosion And Water Pollution Control	1	LS
659.10	Mobilization	1	LS
660.21	On-The-Job Training	1000	HR
674.10	Prefabricated Concrete Modular Gravity Wall	1084	SF
853.16	Boat Ramp Planks	25	EA
ESTIMATED QUANTITIES WATER DISTRICT			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
823.3251	8" Gate Valve With Box	1	EA
823.36	Cut & Plug Water Main W/Thrust Block	2	EA
824.30	Fire Hydrant Assembly	2	EA
ESTIMATED QUANTITIES SEWER DISTRICT			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
801.071	Temporary Sewer Bypass	1	LS
801.18	12" PVC Sanitary Sewer (SDR-35)	115	LF
812.162	Adjusting Sewer Manhole to Grade	5	EA

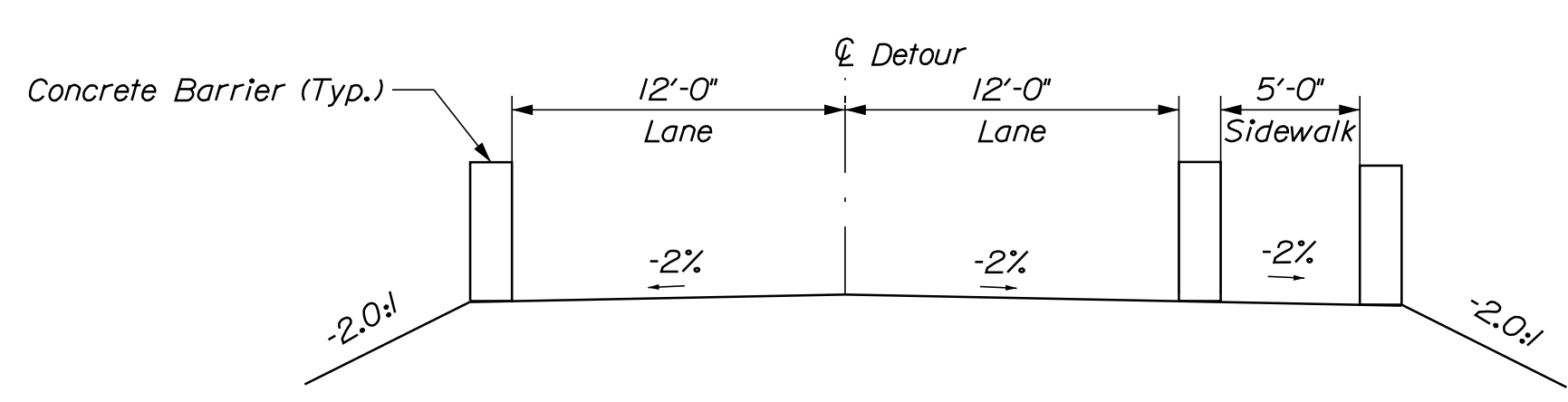
STATE OF MAINE DEPARTMENT OF TRANSPORTATION STP-2170(000)	SIGNATURE	P.E. NUMBER	DATE	PROJ. MANAGER	M. WIGHT	BY	DATE
				DESIGN-DETAILED	D. Bryant	S. Morgan	5/2023
RED BRIDGE OVER SWIFT RIVER RUMFORD - MEXICO OXFORD COUNTY ESTIMATED QUANTITIES	SHEET NUMBER	2	OF 56	DESIGN-REVIEWED	R. Hebert	R. Hebert	5/2023
				DESIGN-DETAILED			
				REVISIONS	Updated Quantities		7/2023
				REVISIONS	Added Item		7/2023
				REVISIONS	4		
				FIELD CHANGES			





CURVE DATA #2
 PI = 74+18.88
 D = 16°07'01.0"
 Δ = 32°47'12.0" Lt.
 R = 355.50'
 L = 203.43'
 T = 104.58'
 E = 15.06'

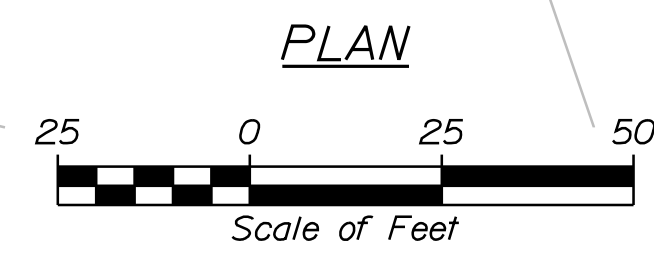
CURVE DATA #1
 PI = 72+71.82
 D = 16°22'12.8"
 Δ = 13°58'24.4" Rt.
 R = 350.00'
 L = 85.36'
 T = 42.89'
 E = 2.62'



Typical Detour Section

EXISTING RIGHT OF WAY REFERENCES
 U.S. ROUTE 2 - MEXICO
 D.O.T. FILE NO. 9-295, NOVEMBER 1997 SHEET 1 & 2
 U.S. ROUTE 2 - RUMFORD
 OXFORD COUNTY
 COMMISSIONERS RECORDS
 VOL. 1A PAGE 201
 1901, 60 FEET WIDE
 SEE ALSO
 RUMFOR FALLS POWER COMPANY
 REAL ESTATE RECORD SHEET NO. N.E. 203

Note:
 The Intent Of This Drawing Is To Show A Conceptual Layout For The Placement Of The Temporary Detour Features. The Actual Location For The Placement Of The Various Features Shall Be Determined By The Contractor and Be In Conformance With MaineDOT Requirements.



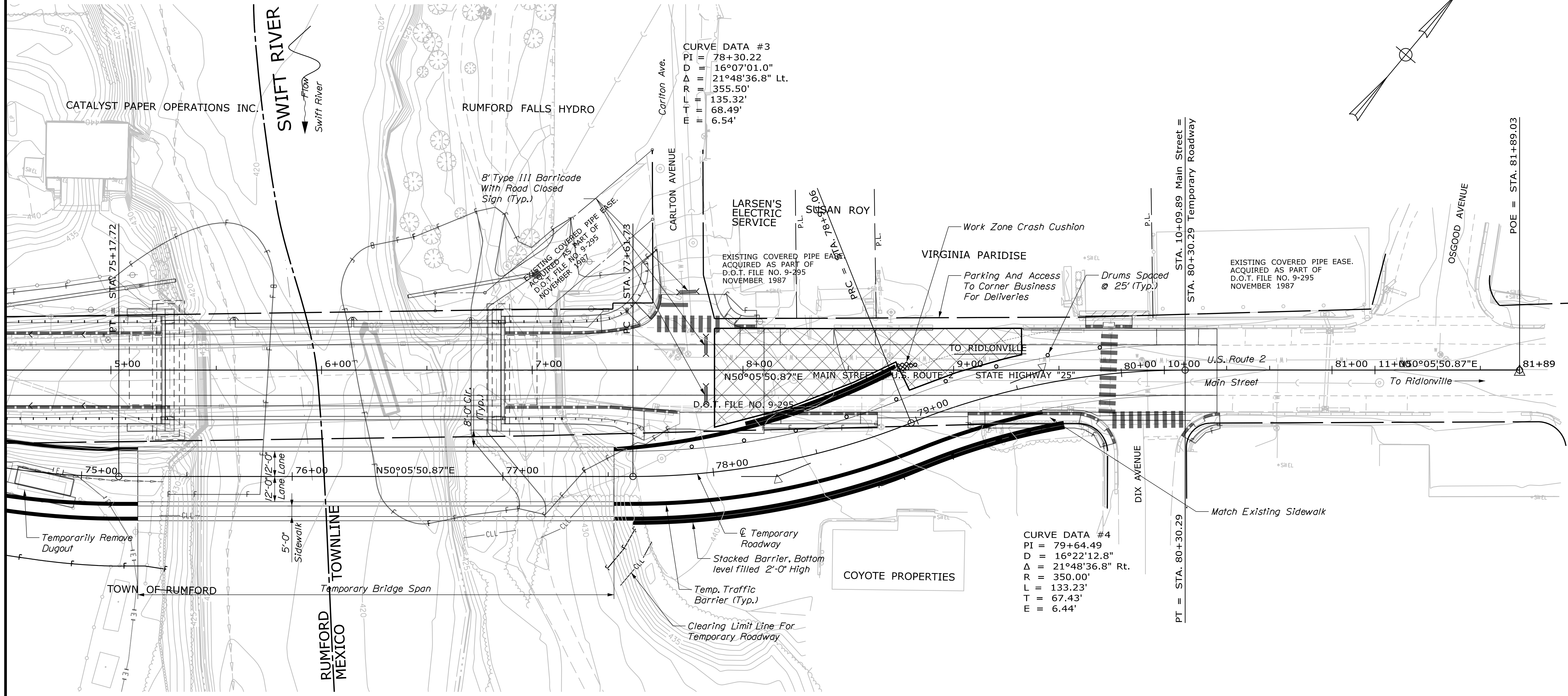
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
STP-2170(000)X		BRIDGE #2707	
WIN		21700.00	
BRIDGE PLANS			
PROJ. MANAGER	M. WIGHT	BY	DATE
DESIGN DETAILED	S. DAVIS	T. KELLEY	1/21/22
CHECKED/REVIEWED	D. BRYANT	S. DAVIS	2/17/22
DESIGN DETAILED			SIGNATURE
REVISIONS 1			P.E. NUMBER
REVISIONS 2			DATE
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
RED BRIDGE		OXFORD COUNTY	
OVER SWIFT RIVER		RUMFORD - MEXICO	
MAINTENANCE OF TRAFFIC			
PLANS 1 of 2			
SHEET NUMBER		20	
		OF 22	

Date: 3/16/2022

Username:

Division: HIGHWAY

Filename: ... \HIGHWAY\MSTA\..._Detour02.dgn



STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 STP-2170(000)X
 WIN 21700.00
 BRIDGE #2707 BRIDGE PLANS

PROJ. MANAGER	M. WIGHT	BY	DATE
DESIGN-DETAILED	S. Davis	J. Rolins	1/7/22
CHECKED-REVIEWED	D. Bryant	S. Davis	2/17/22
DESIGN-DETAILED			SIGNATURE
REVISIONS 1			P.E. NUMBER
REVISIONS 2			DATE
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PROJ. MANAGER	M. WIGHT	BY	DATE
DESIGN-DETAILED	S. Davis	J. Rolins	1/7/22
CHECKED-REVIEWED	D. Bryant	S. Davis	2/17/22
DESIGN-DETAILED			SIGNATURE
REVISIONS 1			P.E. NUMBER
REVISIONS 2			DATE
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

RED BRIDGE
 OVER SWIFT RIVER
 RUMFORD - MEXICO OXFORD COUNTY
 MAINTENANCE OF TRAFFIC
 PLAN 2 of 2

SHEET NUMBER

21
 OF 22

