



Janet T. Mills
GOVERNOR

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

Bruce A. Van Note
COMMISSIONER

January 9, 2020
Subject: Palmer Bridge Replacement
State WIN: 022246.00
Location: **Litchfield**
Amendment No. 1

Dear Sir/Ms.:

Please make the following changes to the Bid Documents:

In the Bid Book:

REMOVE pages 11 through 14, Proposal Schedule of Items, 4 pages, dated 12/16/2019, and **REPLACE** with the attached, revised Proposal Schedule of Items, 4 pages, dated 1/9/2020.

REMOVE page 71, SPECIAL PROVISION - SECTION 502 - STRUCTURAL CONCRETE – (QC/QA Acceptance Methods), 1 page, dated December 2, 2019, and **REPLACE** with the attached, revised SPECIAL PROVISION - SECTION 502 - STRUCTURAL CONCRETE – (QC/QA Acceptance Methods), 1 page, dated January 3, 2020.

REMOVE pages 72 through 80, SPECIAL PROVISION - SECTION 509 - COMPOSITE ARCH BRIDGE SYSTEM, 9 pages, dated December 6, 2019, and **REPLACE** with the attached, revised SPECIAL PROVISION - SECTION 509 - COMPOSITE ARCH BRIDGE SYSTEM, 9 pages, dated January 9, 2020.

REMOVE pages 81 – 85, SPECIAL PROVISION - SECTION 531 – DETAIL-BUILD BRIDGE STRUCTURE – (Lump Sum), 5 pages, dated December 10, 2019, and **REPLACE** with the attached, revised SPECIAL PROVISION - SECTION 531 – DETAIL-BUILD BRIDGE STRUCTURE – (Lump Sum), 5 pages, dated January 3, 2020.

In the Plan Set:

REMOVE SHEET NUMBER 2 OF 20 ESTIMATED QUANTITIES & GENERAL CONSTRUCTION NOTES dated 12/10/19 and **REPLACE** with the attached, revised SHEET NUMBER 2 OF 20 ESTIMATED QUANTITIES & GENERAL CONSTRUCTION NOTES dated 1/9/20.

The following questions have been received:

Question: Regarding Detail Build Options Section 531.2, are beveled end structures allowable in lieu of a headwall/wingwall system?

Response: Beveled end structures are allowed, providing that the hydraulic opening is not reduced, and that the roadway slopes stay within the provided ROW for the project.

Question: Regarding Detail Build Options Section 531.2, are MSE type wall systems allowed for retaining walls or wingwalls?

Response: No, MSE type wall systems are not allowed for retaining walls or wingwalls for this project.

Question: Are the signs and Type III Barricades shown on Sheet 19 paid for by contract bid items, or are they incidental to another bid item?

Response: The Type III Barricades and Signs shall be paid for under their respective item numbers, they are not incidental to other items.

Consider these changes and information prior to submitting your bid on **January 15, 2020**.

Sincerely,

A handwritten signature in black ink, appearing to read "G. Macdougall" followed by "FOR" in a separate, slightly larger and bolder script.

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

1/9/2020

Maine Department of Transportation

Proposal Schedule of Items

Page 1 of 4

Proposal ID: 022246.00

Project(s): 022246.00

SECTION: 1 Project 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	202.202 REMOVING PAVEMENT SURFACE	488.000 SY	_____	 _____	_____	 _____
0020	203.20 COMMON EXCAVATION	916.000 CY	_____	 _____	_____	 _____
0030	203.24 COMMON BORROW	50.000 CY	_____	 _____	_____	 _____
0031	206.07 STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES	10.000 CY	_____	 _____	_____	 _____
0032	206.092 STRUCTURAL ROCK EXCAVATION - MAJOR STRUCTURES	10.000 CY	_____	 _____	_____	 _____
0040	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	830.000 CY	_____	 _____	_____	 _____
0050	403.208 HOT MIX ASPHALT 12.5 MM HMA SURFACE	145.000 T	_____	 _____	_____	 _____
0060	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	6.000 T	_____	 _____	_____	 _____
0070	403.213 HOT MIX ASPHALT 12.5 MM BASE	172.000 T	_____	 _____	_____	 _____
0080	409.15 BITUMINOUS TACK COAT - APPLIED	63.000 G	_____	 _____	_____	 _____
0081	502.22 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS (PLACED UNDER WATER)	10.000 CY	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022246.00

Project(s): 022246.00

SECTION: 1 Project 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
0090	511.07 COFFERDAM: DOWNSTREAM	LUMP SUM	LUMP	SUM	_____	_____
0100	511.07 COFFERDAM: UPSTREAM	LUMP SUM	LUMP	SUM	_____	_____
0110	526.301 TEMPORARY CONCRETE BARRIER TYPE I	LUMP SUM	LUMP	SUM	_____	_____
0120	531.51 BRIDGE STRUCTURE - DETAIL BUILD	LUMP SUM	LUMP	SUM	_____	_____
0130	603.16 15 INCH CULVERT PIPE OPTION I	34.000 LF	_____	_____	_____	_____
0140	606.1301 31" W-BM GR, MID-WAY SPLICE-SGL FACED	341.000 LF	_____	_____	_____	_____
0150	606.1303 31" W-BM GR, MID-WAY SPLICE-15' RAD AND LESS	25.000 LF	_____	_____	_____	_____
0160	606.1305 31" W-BM GR, MID-WAY SPLICE FLARED TERMINAL	3.000 EA	_____	_____	_____	_____
0170	606.265 TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	1.000 EA	_____	_____	_____	_____
0180	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	8.000 EA	_____	_____	_____	_____
0190	610.18 STONE DITCH PROTECTION	50.000 CY	_____	_____	_____	_____
0200	613.319 EROSION CONTROL BLANKET	135.000 SY	_____	_____	_____	_____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022246.00

Project(s): 022246.00

SECTION: 1 Project 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
0210	615.07 LOAM	75.000 CY	_____	 _____	_____	 _____
0220	618.14 SEEDING METHOD NUMBER 2	12.000 UN	_____	 _____	_____	 _____
0230	619.12 MULCH	12.000 UN	_____	 _____	_____	 _____
0240	619.14 EROSION CONTROL MIX	145.000 CY	_____	 _____	_____	 _____
0250	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	1,425.000 LF	_____	 _____	_____	 _____
0260	629.05 HAND LABOR, STRAIGHT TIME	20.000 HR	_____	 _____	_____	 _____
0270	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	20.000 HR	_____	 _____	_____	 _____
0280	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	20.000 HR	_____	 _____	_____	 _____
0290	639.19 FIELD OFFICE TYPE B	1.000 EA	_____	 _____	_____	 _____
0300	645.271 REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS, TYPE I	10.000 SF	_____	 _____	_____	 _____
0310	652.312 TYPE III BARRICADE	8.000 EA	_____	 _____	_____	 _____
0320	652.33 DRUM	10.000 EA	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022246.00

Project(s): 022246.00

SECTION: 1 Project 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
0330	652.34 CONE	20.000 EA	_____	 _____	_____	 _____
0340	652.35 CONSTRUCTION SIGNS	500.000 SF	_____	 _____	_____	 _____
0350	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	LUMP SUM	LUMP SUM		_____	 _____
0360	652.38 FLAGGER	200.000 HR	_____	 _____	_____	 _____
0370	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	2.000 EA	_____	 _____	_____	 _____
0380	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM	LUMP SUM		_____	 _____
0390	659.10 MOBILIZATION	LUMP SUM	LUMP SUM		_____	 _____
Section: 1			Total:		_____	 _____
			Total Bid:		_____	 _____

SPECIAL PROVISION
SECTION 502
STRUCTURAL CONCRETE
(QC/QA Acceptance Methods)

CLASS OF CONCRETE	ITEM NUMBER	DESCRIPTION	P	METHOD
A	502.22	Structural Concrete, Abut. & Retaining Wall (placed under water)		C
A	531.51	Bridge Structure Detail-Build	*	*

*The quality control for cast-in-place concrete included in the detail build structure shall be determined based on the total volume of cast-in-place concrete. If the volume of cast-in place concrete is less than 75 CY, Method C in accordance with Standard Specification 502.1702 shall be used. If the volume of cast-in-place concrete is equal to or greater than 75 CY Method A in accordance with Standard Specification 502.1701 shall be used with a P value of \$400.00.

P values listed above reflect the price per cubic yard (CY) for all pay adjustment purposes.

SPECIAL PROVISION
SECTION 531
DETAIL-BUILD BRIDGE STRUCTURE
(Lump Sum)

531.1 DESCRIPTION

This work shall consist of the design, detailing, fabrication, delivery, and construction of a single span, buried Bridge Structure (including associated retaining wall/wingwall systems and foundations) in accordance with these Specifications, and in conformity with the lines, grades, and dimensions shown on the Contract Plans. This work shall include, but is not limited to, the following*:

- Design, load rating, and detailing of the new Bridge Structure
- Design and detailing of the new bridge substructure which consists of spread footings on bedrock/fill concrete
- Design and detailing of new headwalls, retaining walls and wingwalls and their foundations
- Precast Structural Concrete Bridge Structure
- Cast-in-place Structural Concrete Bridge Structure
- Composite Arch Bridge System
- Retaining Walls/Wingwall Systems
- Reinforced Concrete Foundations for Bridge Structure and Retaining Wall/Wingwall Systems
- Structural Concrete including quality control program, with the exception of fill/seal concrete which will be paid for separately,
- Reinforcing Steel
- Membrane waterproofing on concrete surfaces
- Structural Earth Excavation – Major Structures
- Structural Earth Excavation - Drainage and Minor Structures Below Grade
- Granular Borrow
- French Drains
- Protective Coating for Concrete Surfaces
- Plain Riprap

*Notes:

1. Some of the items listed above may not be applicable, depending on the structure option chosen.
2. Any items specifically needed for the construction of the proposed bridge as shown on the contract drawings that are not specifically covered by a separate item shall be considered incidental to the work included under this item.

531.2 DETAIL-BUILD OPTIONS

All Bridge Structure options and associated retaining wall/wingwall systems shall be supported by detail-build foundations consistent with the Bridge Structure and retaining wall/wingwall systems selected by the Contractor. The detail-build Bridge Structure shall have a headwall on each end of the structure to retain the Route 1 embankments. Allowable detail-build Bridge Structure options are limited to the following:

1. Precast structural concrete arch or three-sided frame with concrete headwalls and wing-walls
2. Composite Arch Bridge System in accordance Special Provision 509 with concrete headwalls and wing-walls
3. Cast-in-place structural concrete arch or three-sided frame with concrete headwalls and wing-walls

The Bridge Structure shall be constructed over the Maggoty Meadow Brook in accordance with the Plans. Allowable retaining wall/wingwall/headwall systems are the following:

- Cast-In-Place Concrete Headwall, Retaining Wall, or Wingwall System
- Precast structural concrete Headwall, Retaining Wall, or Wingwall System

531.3 DESIGN REQUIREMENTS

The Bridge Structure, Bridge Structure foundation, retaining wall/wingwall systems, and retaining wall/wingwall system foundations shall be designed by a Professional Engineer (Engineer of Record) licensed in the State of Maine. The designs shall be completed in accordance with the latest editions of the AASHTO LRFD Bridge Design Specifications, the MaineDOT Bridge Design Guide (BDG), MaineDOT Standard Details, MaineDOT Standard Specifications, and project-specific Special Provisions. The geotechnical design of the Bridge Structure foundation and the retaining wall/wingwall systems shall follow the design requirements and recommendations specified in the project Geotechnical Design Report (GDR) For the Replacement of Palmer Bridge. Where differences exist between the information contained in the GDR and the information shown on the Contract Plans and project-specific Special Provisions, the information shown on the Contract Plans and project-specific Special Provisions shall take precedence.

All structural components of the Bridge Structure and retaining wall/wingwall design, in their entirety, shall be checked through independent calculations by a Professional Engineer (different than the Engineer of Record) licensed in the State of Maine. Proof of the independent check shall be submitted to the Department as part of the final design submittal in accordance with 531.5 Submittals.

The Bridge Structure shall be load rated in accordance with the AASHTO Manual for Bridge Evaluation, latest edition using the LRFR method. The Bridge Structure shall be rated based on

the HL-93 live load and the HL-93 modified live load (defined below). The live load rating computations shall include a completed MaineDOT Summary of Rating Form based on the rating factors for the HL-93 live load only. The MaineDOT Summary of Rating Form may be accessed at the following MaineDOT web address: <http://www.state.me.us/mdot/publications/>.

The Bridge Structure shall be designed for a modified HL-93 live load. The modification to the HL-93 loading shall be an increase in the truck live load by 25% for the Strength I load combination only; all other load combinations shall use the standard HL-93 live load. The proposed structure shall have a rating factor of at least 1.0 for HL-93 at inventory.

The Bridge Structure clear span shall be a minimum of 17'-0" at the streambed and have a minimum hydraulic opening of 115 square feet. The vertical alignment and finished grades of Route 197 shown in the Contract Plans shall not be modified. The proposed structure centerline shall be aligned with the stream centerline. The proposed wingwalls shall be skewed to keep the approach roadway fill from spilling into the waterway.

Riprap shall be placed around the structure as shown on the Plans.

531.4 MATERIALS

All materials shall meet the minimum requirements of the MaineDOT Standard Specifications, project-specific Special Provisions, and the MaineDOT BDG and shall apply to all work included within this Special Provision with additional project-specific requirements listed below:

Structural Concrete

- Precast concrete shall be in accordance with Standard Specification 712.061
- All other concrete shall be Class A unless otherwise noted
- All steel hardware and fasteners shall be galvanized per ASTM A153

Backfill material shall meet the requirements of Standard Specification 703.19, Granular Borrow unless otherwise noted.

Riprap shall meet the requirements of Standard Specification 610 - Stone Fill, Stone Blanket, and Stone Ditch Protection.

Drainage items shall meet the requirements of Standard Specifications 603 Pipe Culverts and Storm Drains and 604 Manholes, Inlets and Catch Basins.

531.5 SUBMITTALS

The Contractor shall submit to the Department a formal design package submittal at the 50% design development stage containing plans that show the type of Bridge Structure, Bridge Structure foundation, and associated retaining wall/wingwall/headwall systems to be constructed and an overall layout of the bridge and its foundation including a plan, profile, and typical section drawing. The Department shall have up to ten business days to return comments on the 50%

submittal. All comments by the Department shall be addressed by the Contractor with written verification of resolution from the Department prior to the final submittal.

The final submittal shall be submitted by the Contractor to the Department electronically and shall include the final Design Drawings, Design Computations, Load Rating Computations (including the MaineDOT Load Rating form), Independent Design Check Computations for the Bridge Structure, Bridge Structure foundation, and retaining wall/wingwall/headwall systems. The Department shall have up to ten business days to return comments on the final submittal. All comments made by the Department on the final submittal shall be addressed by the Contractor. The resolution of all comments shall be tracked, reconciled, and submitted to the Department for review and verification. Fabrication shall not proceed until written acceptance of the final design is received by the Contractor from the Department. The Design Computations and Load Rating Computations shall be signed and sealed by the Engineer of Record and the Engineer responsible for the design check. The Design Drawings shall be signed and sealed by the Engineer of Record.

Upon completion of construction, the Contractor shall submit an electronic submission of as-built drawings signed and sealed by the Engineer of Record with any field changes or alterations noted. If any field changes or alterations do occur and will affect the bridge structure load capacity, the load rating shall be updated and resubmitted.

531.6 CONSTRUCTION REQUIREMENTS

All included work shall meet the applicable sections of the Standard Specifications, project-specific Special Provisions, the project GDR, and Standard Details as well as the following:

Precast concrete options shall have standard membrane waterproofing over the entire structure. For a three-sided frame, the membrane shall be placed on the top and to 12 inches down on the vertical portion of the exterior sides. For an arch, the membrane shall be placed all the way down to the bottom of the extrados of the arch.

All work shall be completed within the right of way limits shown on the Plans.

531.7 METHOD OF MEASUREMENT

The accepted Bridge Structure will be measured by lump sum for the design, detailing, fabrication, delivery, and construction of the new Bridge Structure.

531.8 BASIS OF PAYMENT

The accepted Bridge Structure will be paid for at the contract lump sum price for the pay item listed below. Such payment shall be full compensation for the design, detailing, fabrication, delivery, and construction of one of the options listed under 531.2 Detail-Build Options, and all of the applicable items listed under 531.1 Description required for that option. The individual items shall be governed by their respective Specifications and Special Provisions.

Litchfield
Palmer Br.
WIN 22246.00
January 3, 2020

The Lump Sum will be payable in installments as follows:

Upon acceptance of the design plans, computations, and load rating	20%
Completion of the foundation and erection of the Bridge Structure	40%
Completion of retaining wall/wingwall systems, foundations, and headwalls	20%
Upon acceptance of Bridge Structure	10%
Upon acceptance of As-Built plans	10%

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
531.51 Bridge Structure Detail-Build	Lump Sum

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.202	REMOVING PAVEMENT SURFACE	488	SY
203.20	COMMON EXCAVATION	916	CY
203.24	COMMON BORROW	50	CY
206.07	STRUCTURAL ROCK EXCAVATION - DRAINAGE & MINOR STRUCTURES	10	CY
206.092	STRUCTURAL ROCK EXCAVATION - MAJOR STRUCTURES	10	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	830	CY
403.208	HOT MIX ASPHALT 12.5 MM HMA SURFACE	145	T
403.209	HOT MIX ASPHALT 9.5 MM (DRIVES & INCIDENTALS)	6	T
403.213	HOT MIX ASPHALT 12.5 MM BASE	172	T
409.15	BITUMINOUS TACK COAT - APPLIED	63	G
502.22	STR. CONCRETE, ABUT. & RETAINING WALLS (PLACED UNDER WATER)	10	CY
511.07	COFFERDAM - UPSTREAM	1	LS
511.07	COFFERDAM - DOWNSTREAM	1	LS
526.301	TEMPORARY CONCRETE BARRIER TYPE I (100 LF)	1	LS
531.51	BRIDGE STRUCTURE - DETAIL BUILD	1	LS
603.16	15 INCH CULVERT PIPE OPTION I	34	LF
606.1301	31" W-BM GR, MID-WAY SPLICE-SGL FACED	341	LF
606.1303	31" W-BM GR, MID-WAY SPLICE-15' RAD AND LESS	25	LF
606.1305	31" W-BM GR, MID-WAY SPLICE FLARED TERMINAL	3	EA
606.265	TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	1	EA
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	8	EA
610.18	STONE DITCH PROTECTION	50	CY
613.319	EROSION CONTROL BLANKET	135	SY
615.07	LOAM	75	CY
618.14	SEEDING METHOD NUMBER 2	12	UN
619.12	MULCH	12	UN
619.14	EROSION CONTROL MIX	145	CY
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	1425	LF
629.05	HAND LABOR, STRAIGHT TIME	20	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	20	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	20	HR
639.19	FIELD OFFICE TYPE B	1	EA
645.271	REGULATORY, WARNING, CONFIRMATION & RTE MKR SIGNS, TYPE I	10	SF
652.312	TYPE III BARRICADE	8	EA
652.33	DRUM	10	EA
652.34	CONE	20	EA
652.35	CONSTRUCTION SIGNS	500	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES (60 CD)	1	LS
652.38	FLAGGER	200	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

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GENERAL CONSTRUCTION NOTES

- During construction, the road will be closed to traffic for a time period specified in the Special Provisions.
- For easements, construction limits and right of way lines, refer to Right of Way Map.
- The clearing limits as shown on the plans are approximate. The exact limits will be established in the field by the Resident. Payment for clearing will be considered incidental to Contract items.
- All utility facilities shall be adjusted by the respective utilities unless otherwise noted.
- Do not excavate for Aggregate Subbase Course where existing material is suitable as determined by the Resident.
- In areas where the Resident directs the Contractor not to excavate to the subgrade line shown on the plans, payment for removing existing pavement, grubbing, shaping, ditching, and compacting the existing subbase and layers of new subbase 6 inches or less thick will be made under appropriate equipment rental items.
- All embankment material, except as otherwise shown, placed below EL. 143.0 shall be Granular Borrow meeting the requirements of Subsection 703.19. Material for Underwater Backfill.
- Place riprap on sideslopes up to EL. 149.0±
- Place loam 2 inches deep on all new or reconstructed sideslopes or as directed by the Resident.
- Erosion Control Mix may be substituted in those areas normally receiving loam and seed as directed by the Resident. Placement shall be in accordance with Standard Specifications Section 619, Mulch. Payment will be made under Item No. 619.14, Erosion Control Mix.
- Place a 24-in. wide strip of Temporary Erosion Control Blanket on the sideslopes along the top of the riprap and behind the wingwalls.
- Guardrail posts as shown in the Standard Details shall be modified from the indicated length of 6 feet to a length of 8 feet with an embedment of 5.5 feet. Payment will be considered incidental to the guardrail pay items.
- Extended-use Erosion Control Blanket, seeded gutters, riprap downspouts, and other gutters lined with Stone Ditch Protection shall be constructed after paving and shoulder work is completed, where it is apparent that runoff will cause continual erosion. Payment will be made under the appropriate Contract items.
- Protective Coating for Concrete Surfaces shall be applied to the following areas:

On all concrete headwalls and concrete wall surfaces that are exposed and to limit lines, one foot beyond intersections of concrete surface with the ground.
- Project information referred to below may be accessed at the following MaineDOT web address: <http://www.maine.gov/mdot/contractors/>.
- The existing bridge plans may be accessed at the MaineDOT web address. The plans are reproductions of the original drawings as prepared for the construction of the bridge. It is very unlikely that the plans will show any construction field changes or any alterations which may have been made to the bridge during its life span.
- The hydrologic report of the bridge site may be accessed at the MaineDOT web address. The hydrologic report is based on MaineDOT's interpretation of the information obtained for the subject site. No assurance is given that the information or the conclusions of the report will be representative of actual conditions at the time of construction.

25. The project geotechnical report titled: Geotechnical Design Report for the replacement of Palmer Bridge, Richmond Road (State Route 197) over Magotty Meadow Brook, Litchfield, Maine, Soils Report 2019-46 may be accessed at the MaineDOT web address.

26. Geotechnical information furnished or referred to in this plan set is for the use of the Bidders and the Contractor. No assurance is given that the information or interpretations will be representative of actual subsurface conditions at the construction site. MaineDOT will not be responsible for the Bidders' or Contractor's interpretations of, or conclusions drawn from, the geotechnical information. The boring logs contained in the plan set present factual and interpretive subsurface information collected at discrete locations. Data provided may not be representative of the subsurface conditions between the boring locations.

27. Quantities included for pay items measured and paid for by Lump Sum are estimated quantities and are provided by MaineDOT for informational purposes only. Lump Sum pay items will be paid for at the Contract Bid amount, with no addition or reduction in payment to the Contractor if the actual final quantities are different from the MaineDOT provided estimated quantities, except as follows:

- If a Lump Sum pay item is eliminated, the requirements of Standard Specifications Section 109.2, Elimination of Items, will take precedence.
- If other Contract Documents specifically allow a change in payment for a Lump Sum pay item, those requirements will be followed.
- If a design change results in changes to estimated quantities for Lump Sum pay items, price adjustments will be made in accordance with Standard Specifications Section 109.7, Equitable Adjustments to Compensation.

28. Regulatory signs shall be installed on Route 197 approximately 0.125 miles south of Upper Pond RD. as approved by the Resident. These signs shall display the posted speed limit of 45 MPH for Route 197.

△ 29. The appropriate structural rock excavation item shall be utilized for this contract based on the type of structure chosen by the Contractor.

△ 30. Concrete Fill or Seal concrete, as appropriate, shall be installed as needed and as shown on the plans. All Fill/Seal concrete shall be Class A. Payment shall be made under Item 502.22 Structural Concrete, Abutments and Retaining Walls (placed under water).

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		22246.00		WIN		022246.00		BRIDGE NO. 5141		BRIDGE PLANS	
PALMER BRIDGE		MAGOTTY MEADOW BROOK		KENNEBEC COUNTY		LITCHFIELD		ESTIMATED QUANTITIES & GENERAL CONSTRUCTION NOTES		SHEET NUMBER		2	
PROJ. MANAGER		DEVAN EATON		BY		DATE		SIGNATURE		P.E. NUMBER		DATE	
DESIGN-DETAILED		D. EATON		M.R.P.		OCT-2019		OCT-2019					
CHECKED-REVIEWED		G. GUSTAFSON		J. LEVITZ		OCT-2019							
DESIGNS DET AILED		Additional Items & Notes		1-3-20									
REVISIONS 1													
REVISIONS 2													
REVISIONS 3													
REVISIONS 4													
FIELD CHANGES													