



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

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

April 21, 2020
Subject: Durrells Mill Bridge
Replacement
State WIN: 022234.00
Location: **Dixfield**
Amendment No. 1

Dear Sir/Ms.:

Please make the following changes to the Bid Documents:

In the Bid Book:

REMOVE pages 16 - 20, Proposal Schedule of Items, 5 pages, dated 3/12/2020 and **REPLACE** with the attached, revised Proposal Schedule of Items, 5 pages, dated 4/21/2020.

REMOVE pages 21 - 28, CONTRACT AGREEMENT, OFFER & AWARD, 2 copies, 4 pages each, and **REPLACE** with the attached, revised CONTRACT AGREEMENT, OFFER & AWARD, 2 copies, 4 pages each.

REMOVE page 59, SPECIAL PROVISION – SECTION 107 – TIME – (Contract Completion Date), 1 page, dated February 14, 2020, and **REPLACE** with the attached, revised SPECIAL PROVISION – SECTION 107 – TIME – (Contract Completion Date), 1 page, dated April 17, 2020.

REMOVE pages 92 - 93, SPECIAL PROVISION - SECTION 403 – HOT MIX ASPHALT PAVEMENT, 2 pages, dated February 14, 2020, and **REPLACE** with the attached, revised SPECIAL PROVISION - SECTION 403 – HOT MIX ASPHALT PAVEMENT, 2 pages, dated April 17, 2020.

ADD the attached SPECIAL PROVISION – SECTION 461 – LIGHT CAPITAL PAVEMENT – (Temporary Pavement), 1 page, dated April 17, 2020.

REMOVE page 94, SPECIAL PROVISION – SECTION 510 – SPECIAL DETOUR, 1 page, dated February 27, 2020, and **REPLACE** with the attached, revised SPECIAL PROVISION – SECTION 510 – SPECIAL DETOUR, 1 page, dated April 17, 2020.

In the Plan Set:

REMOVE SHEET NUMBER 2 OF 13, ESTIMATED QUANTITIES AND GENERAL CONSTRUCTION NOTES **REPLACE** with the attached SHEET NUMBER 2A OF 13, ESTIMATED QUANTITIES AND GENERAL CONSTRUCTION NOTES.

The following question has been received:

Question: Can the shop drawings for the state supplied precast box be made available so pick weights can be figured?

Response: The shop drawings have been posted to the MaineDOT web site and to BidExpress.

Consider these changes and information prior to submitting your bid on **April 22, 2020**.

Sincerely,

A handwritten signature in black ink, reading "George M. A. Macdougall". The signature is written in a cursive style with a large initial "G".

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

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022234.00

Project(s): 022234.00

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	40.000 SY	_____	 _____	_____	 _____
0020	203.20 COMMON EXCAVATION	440.000 CY	_____	 _____	_____	 _____
0030	203.2318 DISPOSAL OF SPECIAL WASTE	34.000 T	_____	 _____	_____	 _____
0040	203.24 COMMON BORROW	10.000 CY	_____	 _____	_____	 _____
0050	203.25 GRANULAR BORROW	172.000 CY	_____	 _____	_____	 _____
0060	203.33 SPECIAL FILL	169.000 CY	_____	 _____	_____	 _____
0070	206.061 STRUCTURAL EARTH EXCAVATION - DRAINAGE AND MINOR STRUCTURES, BELOW GRADE	68.000 CY	_____	 _____	_____	 _____
0080	206.07 STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES	27.000 CY	_____	 _____	_____	 _____
0090	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	440.000 CY	_____	 _____	_____	 _____
0100	403.208 HOT MIX ASPHALT 12.5 MM HMA SURFACE	64.000 T	_____	 _____	_____	 _____
0110	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	2.000 T	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022234.00

Project(s): 022234.00

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
0120	403.213 HOT MIX ASPHALT 12.5 MM BASE	101.000 T	_____	 _____	_____	 _____
0130	409.15 BITUMINOUS TACK COAT - APPLIED	40.000 G	_____	 _____	_____	 _____
0140	461.131 TEMPORARY PAVEMENT	86.000 T	_____	 _____	_____	 _____
0150	508.13 SHEET WATERPROOFING MEMBRANE	LUMP SUM		 LUMP SUM	_____	 _____
0160	510.10 SPECIAL DETOUR _____ ROADWAY WIDTH VEHICULAR & PEDESTRIAN TRAFFIC NOT SEPARATED 12 FT	LUMP SUM		 LUMP SUM	_____	 _____
0170	511.07 COFFERDAM: DOWNSTREAM	LUMP SUM		 LUMP SUM	_____	 _____
0180	511.07 COFFERDAM: UPSTREAM	LUMP SUM		 LUMP SUM	_____	 _____
0190	513.22 CRUSHED STONE SLOPE PROTECTION	50.000 SY	_____	 _____	_____	 _____
0200	515.21 PROTECTIVE COATING FOR CONCRETE SURFACES	LUMP SUM		 LUMP SUM	_____	 _____
0210	526.301 TEMPORARY CONCRETE BARRIER TYPE I	LUMP SUM		 LUMP SUM	_____	 _____
0220	527.34 WORK ZONE CRASH CUSHIONS	5.000 UN	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022234.00

Project(s): 022234.00

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
0230	534.7101 PRECAST CONCRETE BOX CULVERT - STATE SUPPLIED	LUMP SUM		LUMP SUM		
0240	603.17 18 INCH CULVERT PIPE OPTION I	110.000 LF				
0250	606.23 GUARDRAIL TYPE 3C - SINGLE RAIL	250.000 LF				
0260	606.231 GUARDRAIL TYPE 3C - 15 FOOT RADIUS AND LESS	75.000 LF				
0270	606.265 TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	3.000 EA				
0280	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	8.000 EA				
0290	610.08 PLAIN RIPRAP	225.000 CY				
0300	610.18 STONE DITCH PROTECTION	16.000 CY				
0310	610.210 STREAM CHANNEL ROCK	88.000 CY				
0320	610.2121 STREAMBED ROCK FEATURES	LUMP SUM		LUMP SUM		
0330	613.319 EROSION CONTROL BLANKET	73.000 SY				
0340	615.07 LOAM	15.000 CY				

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022234.00

Project(s): 022234.00

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
0350	618.13 SEEDING METHOD NUMBER 1	4.000 UN	_____	 _____	_____	 _____
0360	618.14 SEEDING METHOD NUMBER 2	3.000 UN	_____	 _____	_____	 _____
0370	619.12 MULCH	3.000 UN	_____	 _____	_____	 _____
0380	619.14 EROSION CONTROL MIX	30.000 CY	_____	 _____	_____	 _____
0390	620.58 EROSION CONTROL GEOTEXTILE	378.000 SY	_____	 _____	_____	 _____
0400	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	132.000 LF	_____	 _____	_____	 _____
0410	627.76 TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	LUMP SUM		 LUMP SUM	_____	 _____
0420	627.77 REMOVING PAVEMENT MARKINGS	44.000 SF	_____	 _____	_____	 _____
0430	629.05 HAND LABOR, STRAIGHT TIME	50.000 HR	_____	 _____	_____	 _____
0440	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	25.000 HR	_____	 _____	_____	 _____
0450	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	25.000 HR	_____	 _____	_____	 _____
0460	637.071 DUST CONTROL	LUMP SUM		 LUMP SUM	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 022234.00

Project(s): 022234.00

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
0470	639.19 FIELD OFFICE TYPE B	1.000 EA	_____	 _____	_____	 _____
0480	643.72 TEMPORARY TRAFFIC SIGNAL	LUMP SUM	LUMP SUM		_____	 _____
0490	652.312 TYPE III BARRICADE	4.000 EA	_____	 _____	_____	 _____
0500	652.33 DRUM	25.000 EA	_____	 _____	_____	 _____
0510	652.34 CONE	50.000 EA	_____	 _____	_____	 _____
0520	652.35 CONSTRUCTION SIGNS	400.000 SF	_____	 _____	_____	 _____
0530	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	LUMP SUM	LUMP SUM		_____	 _____
0540	652.38 FLAGGER	300.000 HR	_____	 _____	_____	 _____
0550	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	2.000 EA	_____	 _____	_____	 _____
0560	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM	LUMP SUM		_____	 _____
0570	659.10 MOBILIZATION	LUMP SUM	LUMP SUM		_____	 _____
Section: 1			Total:		_____	 _____
			Total Bid:		_____	 _____

CONTRACT AGREEMENT, OFFER & AWARD

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street, Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and

_____ a corporation or other legal entity organized under the laws of the State of _____, with its principal place of business located at _____

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

A. **The Work.**

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, **WIN 022234.00** for the **Durrells Mill Bridge Replacement** in the town of **Dixfield**, County of **Oxford**, Maine. The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

B. **Time.**

The Contractor agrees to complete all Work, except warranty work, on or before **November 26, 2021**. Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the *State of Maine Department of Transportation Standard Specifications, November 2014 Edition* and related Special Provisions.

C. Price.

The quantities given in the Schedule of Items of the Bid Package will be used as the basis for determining the original Contract amount and for determining the amounts of the required Performance Surety Bond and Payment Surety Bond, and that the amount of this offer is _____

\$ _____ Performance Bond and Payment Bond each being 100% of the amount of this Contract.

D. Contract.

This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, *Standard Specifications, November 2014 Edition, Standard Details November 2014 Edition* as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds. It is agreed and understood that this Contract will be governed by the documents listed above.

E. Certifications.

By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in the Federal Contract Provisions Supplement, and the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.
3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

F. Offer.

The undersigned, having carefully examined the site of work, the Plans, *Standard Specifications November 2014 Edition*, *Standard Details November 2014 Edition* as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds contained herein for construction of: **WIN 022234.00 Durrells Mill Bridge Replacement plus other incidental work**, State of Maine, on which bids will be received until the time specified in the “Notice to Contractors” do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract at the unit prices in the attached “Schedule of Items.”

The Offeror agrees to perform the work required at the price specified above and in accordance with the bids provided in the attached “Schedule of Items” in strict accordance with the terms of this solicitation, and to provide the appropriate insurance and bonds if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, not covered by the attached “Schedule of Items,” which may be ordered by the Resident, and to accept as full compensation the amount determined upon a “Force Account” basis as provided in the *Standard Specifications, November 2014 Edition*, and as addressed in the contract documents.

Second: That the bid bond at 5% of the bid amount or the official bank check, cashier’s check, certificate of deposit or U. S. Postal Money Order in the amount given in the “Notice to Contractors”, payable to the Treasurer of the State of Maine and accompanying this bid, shall be forfeited, as liquidated damages, if in case this bid is accepted, and the undersigned shall fail to abide by the terms and conditions of the offer and fail to furnish satisfactory insurance and Contract bonds under the conditions stipulated in the Specifications within 15 days of notice of intent to award the contract.

Third: To begin the Work as stated in Section 107.2 of the *Standard Specifications November 2014 Edition* and complete the Work within the time limits given in the Special Provisions of this Contract.

Fourth: The Contractor will be bound to the Disadvantaged Business Enterprise (DBE) Requirements contained in the attached Notice (Additional Instructions to Bidders) and submit a completed Contractor’s Disadvantaged Business Enterprise Utilization Plan with their bid.

Fifth: That this offer shall remain open for 30 calendar days after the date of opening of bids.

Sixth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

CONTRACTOR

Date

(Signature of Legally Authorized Representative
of the Contractor)

Witness

(Name and Title Printed)

G. Award.

Your offer is hereby accepted.
documents referenced herein.

This award consummates the Contract, and the

MAINE DEPARTMENT OF TRANSPORTATION

Date

By: Bruce A. Van Note, Commissioner

Witness

CONTRACT AGREEMENT, OFFER & AWARD

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street, Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and

_____ a corporation or other legal entity organized under the laws of the State of _____, with its principal place of business located at _____

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The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

B. **Time.**

The Contractor agrees to complete all Work, except warranty work, on or before **November 26, 2021**. Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the *State of Maine Department of Transportation Standard Specifications, November 2014 Edition* and related Special Provisions.

C. Price.

The quantities given in the Schedule of Items of the Bid Package will be used as the basis for determining the original Contract amount and for determining the amounts of the required Performance Surety Bond and Payment Surety Bond, and that the amount of this offer is _____

\$ _____ Performance Bond and Payment Bond each being 100% of the amount of this Contract.

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This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, *Standard Specifications, November 2014 Edition, Standard Details November 2014 Edition* as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds. It is agreed and understood that this Contract will be governed by the documents listed above.

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By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in the Federal Contract Provisions Supplement, and the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.
3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

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The Offeror agrees to perform the work required at the price specified above and in accordance with the bids provided in the attached “Schedule of Items” in strict accordance with the terms of this solicitation, and to provide the appropriate insurance and bonds if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, not covered by the attached “Schedule of Items,” which may be ordered by the Resident, and to accept as full compensation the amount determined upon a “Force Account” basis as provided in the *Standard Specifications, November 2014 Edition*, and as addressed in the contract documents.

Second: That the bid bond at 5% of the bid amount or the official bank check, cashier’s check, certificate of deposit or U. S. Postal Money Order in the amount given in the “Notice to Contractors”, payable to the Treasurer of the State of Maine and accompanying this bid, shall be forfeited, as liquidated damages, if in case this bid is accepted, and the undersigned shall fail to abide by the terms and conditions of the offer and fail to furnish satisfactory insurance and Contract bonds under the conditions stipulated in the Specifications within 15 days of notice of intent to award the contract.

Third: To begin the Work as stated in Section 107.2 of the *Standard Specifications November 2014 Edition* and complete the Work within the time limits given in the Special Provisions of this Contract.

Fourth: The Contractor will be bound to the Disadvantaged Business Enterprise (DBE) Requirements contained in the attached Notice (Additional Instructions to Bidders) and submit a completed Contractor’s Disadvantaged Business Enterprise Utilization Plan with their bid.

Fifth: That this offer shall remain open for 30 calendar days after the date of opening of bids.

Sixth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

CONTRACTOR

Date

(Signature of Legally Authorized Representative
of the Contractor)

Witness

(Name and Title Printed)

G. Award.

Your offer is hereby accepted.
documents referenced herein.

This award consummates the Contract, and the

MAINE DEPARTMENT OF TRANSPORTATION

Date

By: Bruce A. Van Note, Commissioner

Witness

Dixfield
Durrells Mills Bridge
WIN 22234.00
April 17, 2020

SPECIAL PROVISION
SECTION 107
TIME
(Contract Completion Date)

The specified Contract completion date is November 26, 2021.

SPECIAL PROVISION
SECTION 403
HOT MIX ASPHALT PAVEMENT

Desc. Of Course	Grad Design.	Item Number	Total Thick	No. Of Layers	Comp. Notes
<u>4" – Norton Rd. Travel Way, Shoulders, Guardrail Flareouts & Widening</u>					
<u>Full Depth Construction</u>					
Wearing	12.5 mm	403.208	1½"	1	4,10,22,24
Base	12.5 mm	403.213	2½"	1	4,10,22,24
<u>1½" – Norton Rd. Travel Way – Mill & Overlay</u>					
Wearing	12.5 mm	403.208	1½"	1	4,10,22,24
<u>3" – Temporary Bridge Approaches</u>					
Temp.	12.5 mm	461.131	3"	2	28
<u>2" – Drives & Incidentals</u>					
Wearing	9.5 mm	403.209	2"	2/more	2,4,10,11,14

COMPLEMENTARY NOTES

2. The incentive/disincentive provisions for density shall not apply. Rollers shall meet the requirements of this special provision. The use of an oscillating steel roller shall be required to compact all mixtures pavements placed on bridge decks.
4. The design traffic level for mix placed shall be 0.3 to <3 million ESALS. The design, verification, Quality Control, and Acceptance tests for this mix will be performed at 65 gyrations.
10. Section 106.6 Acceptance, (2) Method D. The Contractor shall submit a QCP to the Department no less than 21 days prior to beginning paving operations and shall not begin paving operations until the Department approves the QCP in writing. The QCP shall address any items that affect the quality of the Hot Mix Asphalt Pavement including, but not limited to, the following:
 - a. All Method D Requirements as specified in Section 401 of the Standard Specifications.
 - b. Sections a, d – k, n, o-q, and u – v of the QCP Requirements as specified in Section 401.18 of the Standard Specification.
 - c. Anticipated Compaction Temperature Zones during placement.
11. The combined aggregate gradation required for this item shall be classified as a 9.5mm “**fine graded**” mixture, (using the Primary Control Sieve control point) as defined in 703.09.
14. A mixture meeting the requirements of section 703.09 Grading ‘D’, with a minimum PGAB content of 6%, and the limits of Special Provision 401, Table 9 (Drives and Sidewalks) for PGAB content and gradation may be substituted for this item. A job mix formula shall be submitted to the department for approval.
22. The Contractor shall supply a QCP Administrator, Process Control Technician (PCT), and a Quality Control Technician (QCT) with the requirements as specified in Section 401.18 of the Standard Specifications. Prior to placing any mix, the Department and the Contractor shall hold a Pre-paving Conference to discuss the paving schedule, source of mix, type and amount of equipment to be used, sequence of paving pattern,

project lots and traffic control. All personnel of the Department and the Contractor who have significant information relevant to the paving items shall attend, including the responsible onsite paving supervisor for the Contractor. The Resident will prepare minutes of the conference and distribute them to all attendees. Any requests to revise the minutes must be made to the Resident within 7 Days of Receipt. These minutes will constitute the final record of the Pre-paving conference.

24. Summaries of each day's results, including a daily paving report, summarizing the mixture type, mixture temperature, equipment used, environmental conditions, and number of roller passes, shall be recorded and signed by the QCT and presented to the Department's representative by the end of the working day.
28. See Special Provision 461 – Temporary Pavement for project specifics.

Tack Coat

A tack coat of emulsified asphalt, RS-1, RS-1h, CRS-1, or CRS-1h Item 409.15 shall be applied to any existing pavement at a rate of approximately 0.03 gal/yd², and on milled pavement approximately 0.05 gal/yd² prior to placing a new course. A fog coat of emulsified asphalt shall be applied between shim /base courses and surface course as well as to any bridge membrane prior to the placement of HMA layers at a rate not to exceed 0.03 gal/yd². Tack used will be paid for at the contract unit price for Item 409.15 Bituminous Tack Coat.

SPECIAL PROVISION
SECTION 461
LIGHT CAPITAL PAVEMENT
(Temporary Pavement)

Description:

This work shall consist of furnishing all labor, materials and equipment, for the manufacturing, installation and removal of all Temporary Pavement in accordance with these specifications, Special Provision 403 Hot Mix Asphalt, and the Plans. Temporary pavement shall meet all mix design requirements of a 12.5 mm surface mix for the top 1½ inches, and a 12.5 mm base mix for the remaining 1½ inches.

Method of Measurement:

This work will be measured for payment by the Ton, complete in place and accepted.

Basis of Payment:

The work shall be paid for at the contract Ton price for the manufacturing, installation and removal of all Temporary Pavement.

Payment will be made under:

<u>Pay Item</u>		<u>Pay Unit</u>
461.131	Temporary Pavement	Ton

SPECIAL PROVISION
SECTION 510
SPECIAL DETOUR

This specification is amended as follows:

510.032 Geometric and Approach Design

Remove paragraphs (c) and (f) of this subsection and replace with the following:

c. Approach Road Guardrail The Special Detour approaches shall have guardrail or concrete barrier where side slopes are steeper than 3 horizontal to 1 vertical, or as specified on the Plans. Approach guardrail shall be Type 3 guardrail or an approved equal and shall be attached to the bridge rail in a manner that develops the guardrail in tension. Approach barrier shall be attached to the bridge rail with a rigid connection with a similar strength capacity to the bridge rail. If the Plans specify a type of rail or barrier, that type shall be used.

The termination of approach guardrail or barrier and the end treatment of the rail shall be in accordance with the current AASHTO Roadside Design Guide.

f. Approach Road Surface The approach road surface, including the shoulders, shall be paved with a 3 inch, minimum, thickness hot bituminous pavement layer if construction is to be completed in 2021. The approach road surface, including the shoulders, shall have a gravel surface if construction is to be completed in 2020. When a gravel surface is specified, it shall consist of an approved gravel.

510.09 Basis of Payment

Add the following sentence after the second sentence of the first paragraph of this subsection:

All guardrail or concrete barrier required solely for the Special Detour shall be incidental to this item.

Replace the second paragraph of this subsection with the following:

Traffic control devices, work zone crash cushion, temporary erosion control, pavement, and dust control will be paid for in accordance with the applicable Contract items.

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.202	REMOVING PAVEMENT SURFACE	40	SY
203.20	COMMON EXCAVATION	440	CY
203.2318	DISPOSAL OF SPECIAL WASTE	34	T
203.24	COMMON BORROW	10	CY
203.25	GRANULAR BORROW	172	CY
203.33	SPECIAL FILL	169	CY
206.061	STRUCTURAL EARTH EXCAVATION - DRAINAGE AND MINOR STRUC.	68	CY
206.07	STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUC.	27	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	440	CY
403.208	HOT MIX ASPHALT 12.5 MM HMA SURFACE	64	T
403.209	HOT MIX ASPHALT 9.5 MM (SIDEWALK, DR., ISLANDS, & INCIDENT.)	2	T
403.213	HOT MIX ASPHALT 12.5 MM BASE	101	T
409.15	BITUMINOUS TACK COAT - APPLIED	40	G
461.131	TEMPORARY PAVEMENT	86	T
508.13	SHEET WATERPROOFING MEMBRANE (134 SY)	1	LS
510.10	SPECIAL DETOUR, 12' ROADWAY WIDTH VEH. & PED. TRAF. NOT SEP.	1	LS
511.07	COFFERDAM, UPSTREAM	1	LS
511.07	COFFERDAM, DOWNSTREAM	1	LS
513.22	CRUSHED STONE SLOPE PROTECTION	50	SY
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES (38 SY)	1	LS
526.301	TEMPORARY CONCRETE BARRIER TYPE I (60 LF)	1	LS
527.34	WORK ZONE CRASH CUSHIONS	5	UN
534.7101	PRECAST CONCRETE BOX CULVERT - STATE SUPPLIED (169 CY)	1	LS
603.17	18 INCH CULVERT PIPE OPTION I	110	LF
606.23	GUARDRAIL TYPE 3C - SINGLE RAIL	250	LF
606.231	GUARDRAIL TYPE 3C - 15 FOOT RADIUS AND LESS	75	LF
606.265	TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	3	EA
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	8	EA
610.08	PLAIN RIPRAP	225	CY
610.18	STONE DITCH PROTECTION	16	CY
610.210	STREAM CHANNEL ROCK	88	CY
610.2121	STREAMBED ROCK FEATURES (5 CY)	1	LS
613.319	EROSION CONTROL BLANKET	73	SY
615.07	LOAM	15	CY
618.13	SEEDING METHOD NUMBER 1	4	UN
618.14	SEEDING METHOD NUMBER 2	3	UN
619.12	MULCH	3	UN
619.14	EROSION CONTROL MIX	30	CY
620.58	EROSION CONTROL GEOTEXTILE	378	SY
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	132	LF
627.76	TEMP. 4" PAVEMENT MARKING LINES, WHITE OR YELLOW	1	LS
627.77	REMOVING PAVEMENT MARKINGS	44	SF
629.05	HAND LABOR, STRAIGHT TIME	50	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	25	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	25	HR
637.071	DUST CONTROL	1	LS
639.19	FIELD OFFICE TYPE B	1	EA
643.72	TEMPORARY TRAFFIC SIGNAL: ROUTE 2, NORTON RD. & COMMON RD.	1	LS
652.312	TYPE III BARRICADE	4	EA
652.33	DRUM	25	EA
652.34	CONE	50	EA
652.35	CONSTRUCTION SIGNS	400	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES (120 CD)	1	LS
652.38	FLAGGER	300	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

GENERAL CONSTRUCTION NOTES

- For easements, construction limits and right of way lines, refer to Right of Way Map.
- All utility facilities shall be adjusted by the respective utilities unless otherwise noted.
- 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.
- 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 granular borrow, except as otherwise shown, shall meet the requirements of Subsection 703.19, Material for Underwater Backfill.
- Stones which cannot be rolled or compacted into the surface of the shoulder shall be removed by hand raking. Payment for hand raking will be considered incidental to Item No. 304.10, Aggregate Subbase Course - Gravel.
- 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 guardrail.
- A Terminal End shall be installed concurrently with the placement of each section of beam guardrail.
- 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:
 - Concrete headwalls, including to one foot inside the box;
 - Exposed tops of vertical walls and one foot below the ground on the back side;
 - Exposed faces of vertical walls and to one foot inside the box.
- Project information referred to below may be accessed at the following MaineDOT web address: <http://www.maine.gov/mdot/contractors/>.
- 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.
- The project geotechnical report titled: Geotechnical Design Report for the Replacement of Durrells Mill Bridge, Norton Road over Newton Brook, Dixfield, Maine, Soils Report No. 2019-39., dated August 28, 2019 may be accessed at the MaineDOT web address.
- 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.
- 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.

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
DURRELLS MILL BRIDGE		OXFORD COUNTY	
NEWTON BROOK		DIXFIELD	
ESTIMATED QUANTITIES AND		GENERAL CONSTRUCTION NOTES	
SHEET NUMBER		2A	
OF 13		BRIDGE NO. 0656	
WIN		22234.00	
BRIDGE PLANS		02234.00	
PROJ. MANAGER	J. STETSON	BY	D. SHAW
CHECKED/REVIEWED	A. SHAW	DATE	FEB 2020
DESIGNS DET ALEDO	J. STETSON	DATE	FEB 2020
DESIGNS DET ALEDO	T. WHITE	DATE	JUL 2019
REVISIONS 1		SIGNATURE	
REVISIONS 2		P.E. NUMBER	
REVISIONS 3		DATE	
REVISIONS 4			
FIELD CHANGES			