



Paul R. LePage
GOVERNOR

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

David Bernhardt
COMMISSIONER

August 16, 2013
Subject: **Fort Kent Customs**
Federal Project No: BR-1004(210)X
State WIN: 010042.10
Amendment No. 2

Dear Sir/Ms:

Make the following changes to the Bid Documents:

In the Bid Book (pages 19 thru28) **REMOVE** the "SCHEDULE OF ITEMS" 10 pages dated 130722 and **REPLACE** with the attached new "SCHEDULE OF ITEMS" 10 pages dated 130816.

In the Bid Book (page 75) "SPECIAL PROVISIONS, SECTION 107, SCHEDULING OF WORK" on page 2 of 2, last paragraph, first sentence; **CHANGE** the date of "January 2013" to read "**March 2014**". Make this change in pen and ink.

In the Bid Book (page 86) **REMOVE** "SPECIAL PROVISIONS, SECTION 304, AGGREGATE BASE AND SUBBASE COURSES" 1 page dated June 6, 2012 and **REPLACE** with the attached new "SPECIAL PROVISION, SECTION 304, AGGREGATE BASE AND SUBBASE COURSES" 2 pages dated August 16, 2013.

In the Bid Book (pages 114 and 115) **REMOVE** "SPECIAL PROVISION, SECTION 403, HOT MIX ASPHALT" 2 pages dated July 19, 2013 and **REPLACE** with the attached new "SPECIAL PROVISION, SECTION 403, HOT MIX ASPHALT" 2 pages dated August 14, 2013.

In the Bid Book, after page 174, **ADD** the attached "SPECIAL PROVISION, SECTION 703, AGGREGATES" 1 page dated August 15, 2013.

The following questions have been received:

Question: Will CBP/PNNL have a full time on site inspector for any work involving LPR's/RPM's? Full time inspection will be critical for mandatory PNNL hold points during phase 2 and 3.



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Response: MaineDOT will make provisions to staff the project for required inspection tasks, activation, and commissioning activities in accordance with equipment installation requirements and tasks and milestones as outlined on the Contractor's Schedule of Work and updates.

Question: Will CBP/PNNL have a full time systems technician on site during excavation/demolition around Rpm's/LPR's that could put systems back online if interruptions were to occur during rework?

Response: No

Question: Will the department have full time on site Geotechnical Inspection for subgrade inspection and foundation backfilling operations?

Response: MaineDOT will make provisions to staff the project for all inspection activities in accordance with the Contractor's tasks and milestones outlined in the Contractor's schedule of work.

Question: Existing RPM/LPR electrical and communication conduits are encased in concrete- Has additional time been considered for excavation/demolition activities near these existing underground utilities?

Response: No "additional time" has been considered for the electrical and communication conduits encased in concrete. Time constraints are based on recognition of the difficulty and complexity of the overall project infrastructure.

Question: Can the department provide additional details on the proposed bridge gate, type, power and communication requirements?

Response: The Bridge Traffic Gate/Pedestrian Sensor information can be found in Section 26 05 01 – General Electrical Requirements. This is stated in Part 2 – Products under Item 2.6 (Page 259 in the Bid Book). The manufacturer of the unit is "Magnetic Automation". Information regarding this unit can be found on the manufacturer's website.

Question: Who is responsible to provide, coordinate, and maintain traffic control and devices on the Canadian side of the bridge?

Response: MaineDOT will aid the Contractor in communicating traffic issues resulting from the approach contract construction progress. The actual placement and maintenance of traffic control devices on the Canadian side will be the responsibility of the Canadians.

Question: Is the proposed new retaining wall under existing canopy included in item 635.32? Quantity of 606 SF seems low including wall on Main St.

Response: Yes. It is included in item 635.32.

Question: Phase 5- Are we to include Note #2 shoring for demolition of existing abutment or is this by others on another contract?

Response: By others on another contract.

Question: Phase 5- Is Note #3 removal of existing abutment by others on another contract?

Response: By others on another contract.

Question: Phase 5- Is Note #4 construct new retaining wall for new bridge abutment part of this project? If so can the department provide details/x sections for the wall?

Response: No, it is not part of this project.

Question: If Fort Kent Utilities rejects the utility bid and performs the work independently, who will be responsible for trench/excavation compaction? If testing is by the town, will reports be given to the department/contractor demonstrating Fort Kent Utilities achieved proper compaction?

Response: The entity performing the utility work will be responsible for trench/excavation compaction. If testing is done by the Town, compaction reports will be given to the Department/Contractor.

Question: Does the department have an area for office trailers and equipment/material laydown storage? If so, where is this area located?

Response: The Department has not designated an area for office trailers, and equipment/material laydown storage.

Question: Can the department confirm quantity of item 618.1301 Seeding Method #1 – 4,600 UN?

Response: Please see the new Schedule of Items.

Question: Due to scheduling of phases 2 and 3, and associated liquidated damages for overages in time, we are having a hard time to find subcontractors willing to bid this project. Most contractors are not staffed to accommodate 24/7 work schedules. Will the Department consider revising phase 2 and 3 to include more time and no 24/7 requirement?

Response: No

Question: Will the department consider extending bid date by one week to allow more time for potential subcontractors to bid this project?

Response: No

Question: Can Sleeve-It post base anchors be used for ornamental fence? If Sleeve-Its cannot be used, is 12" D.A. concrete post base for the ornamental fence to be designed by the wall designer of MDOT?

Response: Yes. It is included in the Quantity for Item 635.32 Wet Cast Small Landscape Block Wall, listed in the Schedule of Items."

Question: Is the retaining wall shown on Section A, sheet 9 a wet-cast small landscape block wall? If so, is this wall included in the quantity of wall listed on line # 40 of the Schedule of Items?

Response: Yes. It is included in the Quantity for Item 635.32 Wet Cast Small Landscape Block Wall, listed in the Schedule of Items.

Question: Elevation 3 on sheet 7 shows 2 concrete columns directly behind the wall blocks. Geo grid will not be able to be installed between the blocks and concrete columns. Is it acceptable to grout the cores of the wall blocks with concrete and steel reinforcing at the column locations?

Response: Design requirements can be found in Special Provision 635 Wet Cast Small Landscape Block Wall, specifically Section 635.01 Description, Section 635.04 Design Requirements, and Section 635.05 Submittals.

Question: Is the MDOT going to require the wall designer or Contractor to do Global Stability Calculations for the wet cast small landscape block walls?

Response: No

Consider these changes and information prior to submitting your bid on August 21, 2013.

Sincerely,



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

MAINE DEPARTMENT OF TRANSPORTATION

PAGE: 1

SCHEDULE OF ITEMS

DATE: 130816

REVISED:

CONTRACT ID: 010042.10

PROJECT(S): BR-1004(210)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
SECTION 0001 PROJECT ITEMS						
0010	201.23 REMOVING SINGLE TREE TOP ONLY	EA 6.000				
0020	201.24 REMOVING STUMP	EA 6.000				
0030	202.15 REMOVING MANHOLE OR CATCH BASIN	EA 5.000				
0040	202.203 PAVEMENT BUTT JOINTS	SY 64.000				
0050	203.20 COMMON EXCAVATION	CY 700.000				
0060	203.25 GRANULAR BORROW	CY 1100.000				
0070	203.26 GRAVEL BORROW	CY 200.000				
0080	206.082 STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	CY 930.000				
0090	304.13 DENSE GRADED CRUSHED AGGREGATE SUBBASE	CY 2610.000				
0100	403.207 HOT MIX ASPHALT 19.0 MM HMA	T 457.500				

MAINE DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF ITEMS

PAGE: 2
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CONTRACT ID: 010042.10

PROJECT(S): BR-1004(210)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	403.2071 19 MM POLYMER MODIFIED HOT MIX ASPHALT	457.500 T				
0120	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	305.000 T				
0130	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	130.000 T				
0140	409.15 BITUMINOUS TACK COAT - APPLIED	140.000 G				
0150	419.30 SAW CUTTING BITUMINOUS PAVEMENT	274.000 LF				
0160	461.131 TEMPORARY PAVEMENT	290.000 T				
0170	502.345 STRUCTURAL CONCRETE - COLORED PAVEMENT	170.000 CY				
0180	502.45 STRUCTURAL CONCRETE APPROACH SLABS	170.000 CY				
0190	502.49 STRUCTURAL CONCRETE CURBS AND SIDEWALKS	LUMP	LUMP			
0200	502.57 ANNULAR SPACE GROUTING	73.000 CY				
0210	603.169 15 INCH CULVERT PIPE OPTION III	40.000 LF				

MAINE DEPARTMENT OF TRANSPORTATION
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PAGE: 3
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PROJECT(S): BR-1004(210)X

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0220	603.179 18 INCH CULVERT PIPE OPTION III	393.000 LF				
0230	603.189 21 INCH CULVERT PIPE OPTION III	48.000 LF				
0240	603.199 24 INCH CULVERT PIPE OPTION III	188.000 LF				
0250	604.072 CATCH BASIN TYPE A1-C	8.000 EA				
0260	604.09 CATCH BASIN TYPE B1	7.000 EA				
0270	604.164 REBUILDING CATCH BASIN	1.000 EA				
0280	604.18 ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	9.000 EA				
0290	604.247 CATCH BASIN TYPE F5-C	3.000 EA				
0300	605.101 4" PVC UNDERDRAIN OUTLET	35.000 LF				
0310	606.23 GUARDRAIL TYPE 3C - SINGLE RAIL	106.000 LF				
0320	606.265 TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	3.000 EA				

MAINE DEPARTMENT OF TRANSPORTATION
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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0330	606.35 GUARDRAIL DELINEATOR POST	2.000 EA				
0340	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	10.000 EA				
0350	607.19 CHAIN LINK FENCE - 8 FOOT C/W BARBED WIRE TOP - METAL POSTS	175.000 LF				
0360	607.23 CHAIN LINK FENCE GATE 6' C/W BARBED WIRE TOP	4.000 EA				
0370	607.24 REMOVE AND RESET FENCE - WOOD	50.000 LF				
0380	607.243 REMOVE CHAIN LINK FENCE	675.000 LF				
0390	607.25 REMOVE AND RESET CHAIN LINK FENCE	300.000 LF				
0400	607.42 ORNAMENTAL PICKET FENCE	242.000 LF				
0410	608.26 CURB RAMP DETECTABLE WARNING FIELD	40.000 SF				
0420	609.11 VERTICAL CURB TYPE 1	1080.000 LF				
0430	609.34 CURB TYPE 5	108.000 LF				

MAINE DEPARTMENT OF TRANSPORTATION
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CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0440	609.441 CURBING REMOVED AND STACKED	1520.000 LF				
0450	615.0701 LOAM - PLAN QUANTITY	60.000 CY				
0460	618.1301 SEEDING METHOD NUMBER 1 - PLAN QUANTITY	1.000 UN				
0470	619.1201 MULCH - PLAN QUANTITY	1.000 UN				
0480	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	550.000 LF				
0490	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	20.000 SF				
0500	627.76 TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	LUMP	LUMP			
0510	627.9011 PAVEMENT MARKING SYMBOL	3.000 EA				
0520	629.05 HAND LABOR, STRAIGHT TIME	25.000 HR				
0530	631.10 AIR COMPRESSOR (INCLUDING OPERATOR)	40.000 HR				
0540	631.11 AIR TOOL (INCLUDING OPERATOR)	40.000 HR				

MAINE DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF ITEMS

PAGE: 6
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PROJECT(S): BR-1004(210)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0550	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	40.000 HR				
0560	631.132 SMALL BULLDOZER (INCLUDING OPERATOR)	20.000 HR				
0570	631.133 SKID STEER (INCLUDING OPERATOR)	10.000 HR				
0580	631.14 GRADER (INCLUDING OPERATOR)	20.000 HR				
0590	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	20.000 HR				
0600	634.2041 LUMINAIRES	8.000 EA				
0610	634.2082 REMOVE EXISTING LIGHT STANDARD AND RESET	9.000 EA				
0620	635.32 WET CAST SMALL LANDSCAPE BLOCK WALL	606.000 SF				
0630	639.18 FIELD OFFICE TYPE A	1.000 EA				
0640	642.15 PRECAST CONCRETE STEPS	1.000 EA				
0650	652.312 TYPE III BARRICADE	8.000 EA				

MAINE DEPARTMENT OF TRANSPORTATION
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PAGE: 7
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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0660	652.33 DRUM	15.000 EA				
0670	652.34 CONE	60.000 EA				
0680	652.35 CONSTRUCTION SIGNS	416.000 SF				
0690	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	LUMP	LUMP			
0700	652.38 FLAGGER	2300.000 HR				
0710	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	4.000 EA				
0720	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP	LUMP			
0730	659.10 MOBILIZATION	LUMP	LUMP			
0740	815.00 BUILDING CANOPY AND FOUNDATIONS	LUMP	LUMP			
0750	815.00 BUILDING GATE AND TRAFFIC LIGHTS	LUMP	LUMP			
0760	815.00 BUILDING HI LOW BOOTH	LUMP	LUMP			

MAINE DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF ITEMS

PAGE: 8
 DATE: 130816
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CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0770	815.00 BUILDING LICENSE PLATE READERS	LUMP	LUMP			
0780	815.00 BUILDING RADIATION PORTAL MONITORS	LUMP	LUMP			
0790	815.00 BUILDING REGULAR BOOTH	LUMP	LUMP			
0800	832.41 TYPE A STEEL SITE BOLLARD	EA 16.000				
0810	832.42 TYPE B STEEL SITE BOLLARD	EA 6.000				
0820	832.43 TYPE C STEEL SITE BOLLARD	EA 8.000				
0830	832.44 TYPE D STEEL SITE BOLLARD	EA 12.000				
0840	832.51 REMOVAL AND DISPOSAL OF EXISTING STEEL SITE BOLLARD	EA 18.000				
0850 LS	507.0841 STEEL PIPE HAND RAILING	LUMP	LUMP			
	SECTION 0001 TOTAL					.

SECTION 0002 UTILITIES ITEMS

MAINE DEPARTMENT OF TRANSPORTATION
SCHEDULE OF ITEMS

PAGE: 9
DATE: 130816
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CONTRACT ID: 010042.10

PROJECT(S): BR-1004(210)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0860	812.164 REBUILDING SEWER MANHOLE	EA 1.000				
0870	822.322 6 INCH DUCTILE IRON PIPE	LF 10.000				
0880	822.3252 6 " TAPPING SLEEVE AND VALVE	EA 1.000				
0890	824.303 FIRE HYDRANT WITH VALVE BOX, COMPLETE	EA 1.000				
0900	824.31 REMOVE FIRE HYDRANT	EA 1.000				
0910	825.311 3/4 INCH CORPORATION	EA 7.000				
0920	825.312 3/4 INCH CURB STOP	EA 7.000				
0930	825.32 2 INCH CORPORATION	EA 1.000				
0940	825.322 2" CURB STOP	EA 1.000				
0950	825.41 3/4 COPPER SERVICE	LF 68.000				
0960	825.42 2" COPPER SERVICE	LF 45.000				

MAINE DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF ITEMS

PAGE: 10
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PROJECT(S): BR-1004(210)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0970	827.331 TRENCH INSULATION	10.000 SY				
	SECTION 0002 TOTAL					
	TOTAL BID					

SPECIAL PROVISION
SECTION 304
AGGREGATE BASE AND SUBBASE COURSE
(Dense Graded Crushed Aggregate Base with Fine Aggregate Material)

Description This work shall consist of manufacturing, placing, grading and compacting of dense graded crushed aggregate base and use of MDOT approved fine aggregate material. The fine aggregate material shall be used for the top **50mm (2")** of dense graded crushed aggregate base for all areas receiving Dense Graded Crushed Aggregate Base.

MATERIALS

Dense graded crushed aggregate base may be manufactured from ledge or natural aggregates and shall be obtained from a source approved by the Resident. When tested by the Los Angeles wear test, the percent loss shall not exceed 25. The material will be tested before being used and retested at intervals of approximately 25%, 50%, and 75% completion of the course.

At least 50 percent by weight of the material coarser than the No. 4 sieve shall have at least one fractured face as tested by ASTM D5821.

The material shall meet the grading requirements of the following table:

Sieve Designation	Percentage by Weight Passing Square Mesh Sieves
90 mm (3 ½ inches)	100
75 mm (3 inches)	90-100
50 mm (2 inches)	75-100
25 mm (1 inch)	50-80
13 mm (½ inch)	30-60
No. 4	15-40
No. 200	0-6

The top **50mm (2")** of fine aggregate material shall be made of quarried stone and meet the gradation requirements of Item 411.09 Untreated Aggregate Surface Course. When tested by the Los Angeles wear test, the percent loss shall not exceed 25. The material will be tested before being used and retested at intervals of approximately 25%, 50%, and 75% completion of the course.

The fine aggregate material shall meet the grading requirements of the following table:

Sieve Designation	Percentage by Weight Passing Square Mesh Sieves
25 mm (1 inches)	95-100
19mm (3/4 inches)	90-100
4.75 mm (No.4)	10-45
2.00mm (No10)	10-35
No. 200	0-6

CONSTRUCTION REQUIREMENTS

The surface of the dense graded crushed aggregate base shall be fine graded to +/- 19mm (¾”) and compacted prior to placing the layer of fine aggregate material. Density of the dense graded crushed aggregate base shall be as required by the Standard Specifications. Placing, shaping, compacting and surface tolerance for the fine aggregate material shall be in accordance with the Standard Specifications.

Traffic will not be allowed on the dense graded crushed aggregate base (natural aggregate or ledge options) within the traveled way width until the fine aggregate material has been placed.

Method of Measurement Processing, placing, grading and compacting of fine aggregate material will be measured as item 304.13 Dense Graded Crushed Aggregate Base.

All Dense graded crushed aggregate material will be measured as provided in Section 304.06.

Basis of Payment Section 304.07 is amended by addition of the following: The fine aggregate material to be placed atop the dense graded crushed aggregate base will be paid for under item 304.13 Dense Graded Crushed Aggregate Base.

The accepted quantity of dense graded crushed aggregate base will be paid for at the contract unit price per cubic meter (yard) complete in place.

Payment will be made under:

Pay Item

304.13 Dense Graded Crushed Aggregate Base

Pay Unit

Cubic Meter [Cubic Yard]

SPECIAL PROVISION
SECTION 403
HOT MIX ASPHALT

Desc. Of Course	Grad Design.	Item Number	Bit Cont. % of Mix	Total Thick	No. Of Layers	Comp. Notes
<u>8" HMA Overlay Areas</u>						
<u>Route 1 (Pleasant Street) Mainline and Shoulders, Approach Overlay Areas</u>						
Wearing	12.5 mm	403.2081	N/A	2.0"	1	1,5,8
Base	19.0 mm	403.2071	N/A	3.0	1	1,4,8
Base	19.0 mm	403.207	N/A	3.0"	1	4,8
<u>Temporary Pavement</u>						
Wearing	12.5 mm	461.131	N/A	variable	1/more	17,28
<u>Drives, Sidewalks, Islands, Misc.</u>						
Wearing	9.5 mm	403.209	N/A	2.0"	1	2,3,10,11,14

COMPLEMENTARY NOTES

1. The required PGAB for this mixture will meet a **PG 70-28** to **PG 76-28** grading. The use of Recycled Asphalt Pavement (RAP) will not be permitted in mixtures utilizing modified PGAB's. Refer to Special Provision 400 - Polymer Modified PGAB for HMA, for additional testing and documentation requirements.
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.
3. The design traffic level for mix placed shall be <0.3 million ESALS. The design, verification, Quality Control, and Acceptance tests for this mix will be performed at **50 gyrations**.
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 **75 gyrations**.
5. The aggregate qualities shall meet the design traffic level of 3 to <10 million ESALS for mix placed under this contract. The design, verification, Quality Control, and Acceptance tests for this mix will be performed at **75 gyrations**.
8. Section 106.6 Acceptance, (2) Method B.
10. Section 106.6 Acceptance, (2) Method D.
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.

**Fort Kent
BR-1004(210)X
International Bridge Approach
July 19, 2013**

17. Compaction of the new Hot Mix Asphalt Pavement will be obtained using a minimal roller train consisting of a **10 ton** vibratory, **12 ton** pneumatic, and a **10 ton** finish roller for roadway work. 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. An approved release agent is required to ensure the mixture does not adhere to hand tools, rollers, pavers, and truck bodies. The use of petroleum based fuel oils, or asphalt stripping solvents will not be permitted.
28. Temporary pavement (item #461.131) shall meet the gradation and asphalt requirements of a current MDOT approved 12.5 mm JMF. The mixture will not be evaluated for PGAB content, gradation, or volumetrics. The Department will accept the mixture based upon visual acceptance. All mixtures placed as temporary pavement will be removed in its entirety and replaced as required with mixtures that meet contract requirements. Any temporary pavement placed within the roadway limits shall have a minimum depth of 3". Temporary pavement placed outside the roadway limits will be at depths directed by the Resident.

Tack Coat

A tack coat of emulsified asphalt, RS-1, Item 409.15 shall be applied to any existing pavement at a rate of approximately 0.025 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 / intermediate course and the surface course, at a rate not to exceed 0.025 gal/yd². Tack used between layers of pavement will be paid for at the contract unit price for Item 409.15 Bituminous Tack Coat.

SPECIAL PROVISION
SECTION 703
AGGREGATES

703.06 Aggregates for Base and Subbase. Part “A” and “B” of this subsection is amended by the addition of the following:

Dense graded crushed aggregate base may be manufactured from ledge or natural aggregates and shall be obtained from a source approved by the Resident. When tested by the Los Angeles wear test, the percent loss shall not exceed 25. The material will be tested before being used and retested at intervals of approximately 25%, 50%, and 75% completion of the course.

At least 50 percent by weight of the material coarser than the No. 4 sieve shall have at least one fractured face.

The material shall meet the grading requirements of the following table:

Sieve Designation	Percentage by Weight Passing Square Mesh Sieves
90 mm (3 ½ inches)	100
75 mm (3 inches)	90-100
50 mm (2 inches)	75-100
25 mm (1 inch)	50-80
13 mm (½ inch)	30-60
No. 4	15-40
No. 200	0-6

If Dense graded aggregate is used, the top two inches in the subbase shall meet the requirements of 411.12 Crushed Stone Surface. Payment to be considered incidental to item 304.10