

THE FOLLOWING ADDENDUM SUPERCEDES INFORMATION CONTAINED IN DRAWINGS AND SPECIFICATIONS ISSUED FOR THE PROJECT TO THE EXTENT REFERENCED. THE FOLLOWING CHANGES IN THE TENDER DOCUMENTS ARE EFFECTIVE IMMEDIATELY. THIS ADDENDUM WILL FORM PART OF THE CONTRACT DOCUMENTS.

Clarifications to Bidders

The Scope of Work has been increased to incorporate the following locations for surface patching as optional work:

- Km 140.2 approximate area 11mx31m for 341 sq. m
- Km 170.6 approximate area 11mx28m for 308 sq. m
- Km 172.0 approximate area 11mx30m for 330 sq. m
- Km 177.0 approximate area 11mx19m for 209 sq. m
- Km 179.0 approximate area 12mx74m for 888 sq. m
- Km 197.0 (Townsend) approximate area 11mx35.5m for 391 sq. m
- Km 202.5 approximate area 11mx24m for 264 sq. m
- Km 205.0 approximate area 06mx18m for 108 sq. m
- Km 229.8 approximate area 12mx260m for 3120 sq. m
- Km 360.0 approximate area 11mx28m for 308 sq. m
- Km 362.0 approximate area 11mx20m for 220 sq. m
- Km 371.7 approximate area 11mx28m for 308 sq. m
- Km 375.0 approximate area 10mx20m for 200 sq. m
- Km 379.0 approximate area 10mx24m for 240 sq. m
- Km 384.5 approximate area 10mx24m for 240 sq. m
- Km 399.0 approximate area 06mx60m for 360 sq. m

The total area of surface patching is 7,835 square meters. Works are to include:

- Milling of the roadway at the tie-ins as required (Incidental)
- Supply and application of tack coat (7,835 square metres)
- Supply and installation of 100mm depth hot-mix asphalt (2,000 Tonnes)
- Supply and installation of pavement centreline sealing (1.1 Km)

Payment for these additional works will be per unit rates specified in the Tender form under section "Km 140 – 400 Surface Patching – Optional Items". Payment for traffic control, saw cutting, and milling of asphalt as required is incidental to the Item Hot Mix Asphalt Concrete Pavement (100mm) under Km 140-400 Surface Patching – Optional Items.

Terminology used in Specifications, Unit Bid Tender Form and Contract Drawings referring to "Variable Depth Reclamation", "Full Depth Reclamation" and "Pulverize & Grade" shall be considered and used interchangeably.

The approximate quantities of geotextile that are to be incidental to the Supply, Load, Haul, Place and Compact Crushed base Course item are as follows:

- Approximately 11,000 m² as per Addendum 1 scope and revisions for Km 485-520

The CSP culvert and coupler required for the Culvert Extension for Culvert Widening at Km 511+044 is to be supplied by PSPC with pick up of the pipe by the Contractor from PSPC in Fort Nelson. The Contractor shall coordinate access for pick up with the Departmental Representative.

Appendix 1 – Combined Price Form

DELETE: Unit Price Table dated March 29, 2022

ADD: Revised Unit Price Table included in Addendum 002

Specifications

Add new Paragraph 1.17.3 to Section 01 11 55 General Instructions as follows:

Supply and deliver 20 litres of potable bottled drinking water per week to the Departmental Representatives site trailer each week for the entire duration of work on-site. Supply and deliver 20 litres of potable bottled drinking water per week to the Departmental Representatives mobile asphalt lab each week for the entire duration in which the mobile asphalt lab is operational. Supply and deliver water (including storage tanks) as required for operation of the Departmental Representatives mobile asphalt lab for the entire duration in which the mobile asphalt lab is operational.

Delete in its entirety Paragraph 1.4.5 of Section 31 24 14 Excavation, Embankment and Compaction and replace with the following:

Payment for Common Excavation to Waste for embankment, deep patching, and ditch Excavation - Haul to Waste from the embankment, deep patching and ditch Excavation will be made on the basis of the Price per Unit Bid for Common Excavation to Waste in the Tender Form. The Price per Unit Bid Shall include all costs for loading of ditch, deep patching, or embankment excavation, hauling, and disposing the material at an approved disposal site or area, and all other items necessary for the successful completion of the work. The Contractor shall undertake and submit to the Departmental Representative before and after surveys of the embankment, deep patching, and ditch excavations to confirm the quantity of excavation.

Add new Paragraph 1.4.11 to Section 31 24 14 Excavation, Embankment and Compaction as follows:

Payment for Common Excavation to Embankment Fill will be made on the basis of price for unit bid for removal and loading of ditch, deep patching, or embankment excavations, and then placing and compacting as embankment fill. The Price per Unit Bid shall include all costs for removal, loading, hauling, benching into existing soils, placement as embankment, compaction, and all other items necessary for successful completion of the work.

Add new Paragraph 1.4.12 to Section 31 24 14 Excavation, Embankment and Compaction as follows:

Measurement for payment for Topsoil Import for Placement (100mm) will be made based on surveyed area in square metres where required for the completion of Topsoil Transport and Placement works. Topsoil that is available to contractor under Topsoil Stripping shall be used in priority and Topsoil Import for Placement (100mm) shall only be used with the approval of the Departmental Representative and when no site source is available.

Add Paragraph 1.3.5 of Section 32 11 34 Variable Depth Reclamation:

Measurement for payment for FDR Removal & Grading will be made based on volume of material measured in cubic meters. The price per unit bid for FDR Removal & Grading shall include excavating, loading, hauling, placing, grading, and compacting excess pulverised material within the roadway to make up design levels in accordance with contract drawings. Measurement is to be surveyed volume measured in cut, when comparing existing roadway surface in relation to prepared roadway surface prior to sealing.

Delete in its entirety Paragraph 1.3.1 of Section 32 11 34 Variable Depth Reclamation and replace with the following:

Payment for Variable Depth Reclamation will be made on Payment the basis of the Price per Unit for "60mm Depth Reclamation (Pulverize & Grade)", "100-120mm Depth Reclamation (Pulverize & Grade)", and "200mm Depth Reclamation at Bridge Approaches (Pulverize & Grade)", as appropriate for the treatment depth, in the Tender Form. The Price per Unit shall include all costs associated with scarifying, mixing, regrading to the design lines and grades, grading of excess materials onto shoulder /embankment, adding water and/or drying material for compaction, compaction, grading of intersecting roads (up to radii) prior to Hot Mix Asphalt Concrete Pavement, and all other items necessary for successful completion of the work. The Variable Depth Reclamation Design Verification required by the Contractor shall be considered incidental to the work.

Add Section 02 41 13.13 Paving Removals.

End of Addendum 002

PART 1 - GENERAL

<u>1.1 Section Includes</u>	.1	Summary.
	.2	Related Requirements.
	.3	References.
	.4	Quality Assurance.
	.5	Site Conditions.
	.6	Measurement and Payment.
	.7	Equipment.
	.8	Preparation.
	.9	Removal.
	.10	Finished Tolerances.
	.11	Cleaning.
<u>1.2 Summary</u>	.1	Section includes descriptions for removing and saw cutting of the asphalt paving identified in whole or in part.
<u>1.3 Related Requirements</u>	.1	Section 01 35 00 Traffic Control
	.2	Section 01 35 43 Environmental Procedures
<u>1.4 References</u>	.1	Department of Justice Canada (Jus) .1 Canadian Environmental Assessment Act (CEAA), 1995, c. 37.
	.2	Canadian Environmental Protection Act, 1999 (CEPA), c. 33.

- 1.5 Quality Assurance .1 Comply with hauling and disposal regulations of Authority Having Jurisdiction.
- 1.6 Site Conditions .1 Perform pavement removal work to prevent adverse effects to adjacent watercourses, groundwater and wildlife, and to prevent excess air and noise pollution:
.1 Do not pump water containing suspended materials into watercourses, storm or sanitary sewers or onto adjacent properties.
.2 Control disposal or runoff of water containing suspended materials or other harmful substances in accordance with Authorities Having Jurisdiction.
.2 Protect existing site features and structures, trees, plants and foliage on site and adjacent properties.
- 1.7 Measurement and Payment .1 Asphalt cutting will be incidental to other works.
.2 Cold Milling of Asphalt Pavement to equal 100mm depth or the thickness directed by the Departmental Representative. Payment will be made at the unit bid price per square metre for asphalt milling for the corresponding depth.
.3 Payment under the above items will include operations involved in removing, hauling and disposing of the asphalt at an approved asphalt disposal site and cleaning of remaining pavement surface.

PART 2 - PRODUCTS

- 2.1 Equipment .1 Cold milling, planning or grinding equipment with automatic grade controls capable of operating from stringline, and capable of milling part of pavement surface to depths or grades indicated. Maximum particle size of milled materials shall be 50mm.
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- 2.1 Equipment (Cont'd) .2 The Contractor may utilize any cutting methodology, provided the methods and equipment result in a clean and straight vertical cut. All proposed methods and equipment employed by the Contractor shall be reviewed and accepted by the Department Representative prior to the start of work

PART 3 - EXECUTION

- 3.1 Preparation .1 Verify extent and location of asphalt identified for removal, disposal, alternative disposal, recycling, salvage and items to remain.
- .2 Prior to beginning removal operation, inspect and verify with Departmental Representative areas, depths and lines of asphalt pavement to be removed.
- 3.2 Removal .1 Remove existing asphalt pavement to lines and grades as indicated.
- .2 Use equipment and methods of removal and hauling which do not damage or disturb underlying pavement.
- .3 Prevent contamination of removed asphalt pavement by topsoil, underlying gravel or other materials.
- .4 Suppress dust generated by removal process.
- .5 Sweep remaining asphalt pavement surfaces clean of debris resulting from removal operations using rotary power brooms and hand broom as required.
- .6 All asphalt concrete pavement and base course material that is cut-away shall be excavated, loaded, hauled and disposed of at an approved disposal site provided by the Contractor.
- 3.3 Finished Tolerances .1 Finished surfaces in areas where asphalt pavement has been removed within +/-5 mm of grade specified but not uniformly high or low.

- 3.4 Cleaning
- .1 Progress Cleaning:
 - .1 Leave Work area clean at end of each day.
 - .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment.
 - .3 Sweep remaining asphalt pavement surfaces clean of debris resulting from removal operations using rotary power brooms and hand brooming as required.
 - .4 Waste Management:
 - .1 Removed asphalt pavement which could be recycled in hot mix asphalt concrete under this contract may be stockpiled at an approved designated asphalt plant site.