

## Specification Changes:

- Section 01 01 10 Table of Contents
  - Civil Drawing Index table: latest version added revision number “Rev 0” to all civil drawings
  - **DELETED – Reference Documents: “BC MoTI Section 941 Precast Concrete Barrier - Pinned Barrier Detail” (originally Reference Document No. 13).**
- Section 01 11 00 SUMMARY OF WORK
  - 1.2 Definitions:
    - Added “.10 Watercourse is as defined in the National Parks Act.”
  - 1.4 Work Covered by Contract Documents:
    - Removed “.11 Supply and install crack sealant product, mix with aggregate and place as Asphalt Pavement Spray Patching in accordance with Section 32 01 12 – Asphalt Pavement Spray Patching.”
    - Replaced with “.11 Supply and install crack sealant product, mix with aggregate and place as Asphalt Pavement Spray Patching in accordance with Section 32 01 12 – Asphalt Pavement Spray Patching **and Section 32 01 11 – Asphalt Crack Sealing.**
  - 1.7 Work Sequence
    - Removed “.5.1 Complete all crack sealing and mill and fill pavement repairs by June 28, 2018”.
    - Replaced with “.5.1 Complete all crack sealing / **spray patching** and mill and fill pavement repairs by June 28, 2018”.
  - 1.10 Owner Furnished Items
    - Deleted “.5 Contractor Produced Asphalt Millings – 1,500 m<sup>3</sup>”
- Section 01 14 00 WORK RESTRICTIONS
  - 1.3 Working Times
    - Removed “Work in GNP is permitted during daylight hours from 07:00 to 19:00, Monday to Saturday unless stipulated otherwise in the Contract documents”.
    - Replaced with “Work in GNP is permitted during daylight hours from **06:00 to 22:00**, Monday to Saturday unless stipulated otherwise in the Contract documents”.
    - All long weekends / Stat Holidays (no work) times updated from “19:00 Thursday to 07:00 Tuesday” to “22:00 Thursday to 06:00 Tuesday”
    - .4 Wording changed: Removed “Variance of the Working Times and any others **are** provided on the strict condition of satisfactory performance...”; Replaced with “Variance of the Working Times and any others **may be** provided on the strict condition of satisfactory performance...”
  - 1.8 Fish Habitat Assessments
    - Removed “.2 The period of least risk for instream works is as noted in the BIA.”
    - Replaced with “.2 The period of least risk for instream works is **June 1 – August 31. Work outside of the period of least risk will only be conducted if approved by the Departmental Representative, MRG Field Unit and DFO. These dates supersede the dates in the FHA and**

**the BIA. If the Contractor requests to complete any instream works outside of the least risk window they shall be responsible for the coordination of approvals with DFO. The Contractor shall not start the DFO approval process without written approval by the Departmental Representative.”**

- Section 01 21 00 ALLOWANCES
  - 1.2 Prime Cost Sum
    - Removed “.7.2 Additional supply and implementation of full depth reclamation additives”
    - Replaced with “.7.2 Supply and implementation of full depth reclamation additives”
    - Removed “.7.4 Installation of integral asphalt curb”
    - Replaced with “.7.4 **Additional** installation of integral asphalt curb”
    - Added “.7.38 **Supply and maintenance of office and washroom facilities for the use of the Departmental Representative”**.
- Section 01 32 16 CONSTRUCTION PROGRESS SCHEDULES
  - 1.7 Project Schedule
    - Deleted “.3.5 Clearing”
- Section 01 33 00 SUBMITTAL PROCEDURES
  - 1.3 “DESIGN AND BUILD”, SHOP DRAWINGS, PRODUCT DATA, AND MIX DESIGNS
    - Removed “.3 The term “Mix Design” means an engineered design for proportioning materials in concrete or asphalt concrete pavement including all supporting test results, materials properties, that is acceptable to the Departmental Representative. Asphalt and concrete mix designs to be performed by a qualified member of **the Association of Professional Engineers and Geoscientist** who is licenced to practice in British Columbia, or by a qualified technician registered in British Columbia who has CCIL Asphalt Certification”.
    - Replaced with “.3 The term “Mix Design” means an engineered design for proportioning materials in concrete or asphalt concrete pavement including all supporting test results, materials properties, that is acceptable to the Departmental Representative. Asphalt and concrete mix designs to be performed by a qualified member of **the Engineers and Geoscientist of British Columbia** who is licenced to practice in British Columbia, or by a qualified technician registered in British Columbia who has CCIL Asphalt Certification”.
- Section 01 35 31 SPECIAL PROCEDURES FOR TRAFFIC CONTROL
  - 1.5 Protection of Public Traffic
    - Removed “.5 The Contractor shall submit a Traffic Management Plan prior to commencement of work. Short closures may be allowed by the Departmental Representative for some activities such as asphalt removal as long as the delay to motorists does not exceed 20 minutes”.
    - Replaced with “.5 The Contractor shall submit a Traffic Management Plan prior to commencement of work **in accordance with Section 01 33 00 – Submittal Procedures**. Short closures may be allowed by the

Departmental Representative for some activities such as asphalt removal as long as the delay to motorists does not exceed 20 minutes.

- Section 01 35 43 ENVIRONMENTAL PROCEDURES

- Added “**2.1 INSTREAM WORK**

**.1 In accordance with this Section, the National BMPs and the BIAs.**

**.2 A QEP hired by the contractor will provide surveillance while working within 30 metres of a watercourse and during any instream works, in accordance with the applicable BIA. The QEP is considered incidental to the Work and no additional payment will be made.**

**.3 The period of least risk for instream works is in accordance Section 01 14 00 – Work Restrictions”.**

- Section 01 52 00 CONSTRUCTION FACILITIES

- 1.1 Measurement and Payment Procedures

- Removed “.1 All work of this section shall be incidental to Contract and will not be measured for payment”

- Replaced with “.1 All work of this section **except for the provision of the Departmental Representatives office trailer**, shall be incidental to Contract and will not be measured for payment.

- Section 10 14 53 TRAFFIC SIGNAGE

- 1.2 Measurement and Payment Procedures

- Removed “.3 Measurement and Payment Procedures for supplying, loading, hauling and installation of sign faces will be based on the area of sign face supplied and installed according to the Contract Documents, and shall include all labour, equipment and material to satisfactorily complete this item of work. Payment will be made under “Unit Price Item **2b** – Traffic Signage – Supply and Install – Sign Face”.

- Replaced with “.3 Measurement and Payment Procedures for supplying, loading, hauling and installation of sign faces will be based on the **square meter** area of sign face supplied and installed according to the Contract Documents, and shall include all labour, equipment and material to satisfactorily complete this item of work. Payment will be made under “Unit Price Item **2c** – Traffic Signage – Supply and Install – Sign Face”.

- Section 31 11 00 CLEARING AND GRUBBING

- 1.3 Definitions

- Removed “.3 Grubbing consists of excavation and disposal of stumps, roots and wood debris to a depth of 0.6m below the ground line”.

- Replaced with “.3 Grubbing consists of excavation and disposal of stumps, roots and wood debris to a depth of **60mm** below the ground line”.

- 1.5 Protection

- Removed “.4 Contractor shall take all measures to ensure that trees do not fall into streams, rivers, wetlands or water bodies or outside the clearing limits as marked by colored flagging. **Generally, work** within a 30 metre buffer of watercourses, water bodies or wetlands **requires consultation with the ESO or the Departmental Representative**”.
    - Replaced with “.4 Contractor shall take all measures to ensure that trees do not fall into streams, rivers, wetlands or water bodies or outside the clearing limits as marked by colored flagging. **Work** within a 30 metre buffer of watercourses, water bodies or wetlands **to be in accordance with Section 01 35 43 – Environmental Procedures**”.
  - 3.3 Grubbing
    - Removed “.1 Grub out stumps and wood debris including roots and embedded logs up to a depth of **0.6m** below the ground surface”.
    - Replaced with “.1 Grub out stumps and wood debris including roots and embedded logs up to a depth of **600mm** below the ground surface”.
- Section 31 24 13 ROADWAY AND DRAINAGE EXCAVATION
  - 1.3 Measurement and Payment Procedures
    - Removed “.2.2.1 Contractor must have Traffic Control Personnel at the entrance and exits for any borrow site(s) while hauling borrow material. Traffic Accommodation at the borrow site(s) is considered incidental to the Work and no additional payment will be made”.
    - Replaced with “.2.2.1 Contractor must have Traffic Control Personnel at the entrance and exits for any borrow site(s) while hauling borrow material **in accordance with Section 01 35 31 Special Procedures for Traffic Control**. Traffic Accommodation at the borrow site(s) is considered incidental to the Work and no additional payment will be made.
    - Removed “.2.2.5 The Contractor shall take care not to contaminate suitable surplus materials with unsuitable materials. Surplus materials to be stockpiled as directed by the Departmental Representative”.
    - Replaced with “.2.2.5 .5 The Contractor shall take care not to contaminate suitable **embankment** materials with unsuitable materials.”
  - 3.5 Excavating
    - Removed “.1.1 Notify the Departmental Representative when **waste** materials are encountered and remove to depth and extent as approved by the Departmental Representative. This material shall be hauled to and stockpile at the designated pit locations”.
    - Replaced with “.1.1 Notify the Departmental Representative when **unsuitable** materials are encountered and remove to depth and extent as approved by the Departmental Representative. This material shall be hauled to and stockpile at the designated pit locations.
- Section 31 37 00 RIPRAP
  - 2.1 Stone
    - Added “.4           Riprap for spillways and barrier drains:

.1           BC MoTI Class 10 Riprap”

- Section 32 01 11 ASPHALT PAVEMENT CRACK SEALING
  - 2.1 Materials
    - Removed “The Contractor must use a seal product from the BC MoTI Recognized Products List”.
    - Replaced with “The Contractor must use a seal product from the **current BC MoTI Recognized Products List**”.
- Section 32 17 31 GUIDE POSTS
  - 2.1 Round Plastic Posts
    - Removed “.3.1 The round posts shall have a minimum outer diameter of 90 mm and **on** overall length of **1.97 metres**”.
    - Replaced with “.3.1 The round posts shall have a minimum outer diameter of 90 mm and **an** overall length of **1970 mm**”.
- Section 32 32 34 REINFORCED SOIL RETAINING WALL
  - 1.2 Measurement and Payment Procedures
    - Removed “.1 The installation of the retaining wall system shall include the retrieval of the stored owner supplied materials from Glacier Station, transportation of the materials to site, and the installation of the retaining wall system. Payment shall be made under “Unit Price Item 13a - Retaining Wall – Install Owner Supplied Retaining Wall” and shall include all labour, equipment, consumables, and incidentals required to complete the Work in accordance with the Contract Documents”.
    - Replaced with “.1 The installation of the retaining wall system shall include the retrieval of the stored owner supplied materials from Glacier Station, transportation of the materials to site, and the installation of the retaining wall system **an will be measure by square metre of wall face installed and accepted in accordance with the Contract Documents.** Payment shall be made under “Unit Price Item 13a - Retaining Wall – Install Owner Supplied Retaining Wall” and shall include all labour, equipment, consumables, and incidentals required to complete the Work in accordance with the Contract Documents”.
    - Removed “.3 The supply, placement and compaction of suitable Granular Fill material within the Retaining Wall Engineered Fill zone **shall not** be measured for payment and will be considered incidental to “Unit Price Item 13 – Retaining Wall”.
    - Replaced by “.3 The supply, placement and compaction of suitable Granular Fill material within the Retaining Wall Engineered Fill zone **will not** be measured for payment and will be considered incidental to “Unit Price Item 13 – Retaining Wall”.
    - Removed “.4 The supply and installation of imported Drain Rock, geotextiles, geogrids, surface and sub-surface drainage systems, leveling pads and any other materials / elements required for the Retaining Wall construction, **shall not** be measured for payment and will be considered incidental to “Unit Price Item 13 – Retaining Wall”.
    - Replaced with “.4 The supply and installation of imported Drain Rock, geotextiles, geogrids, surface and sub-surface drainage systems, leveling pads and any other materials / elements required for the Retaining Wall

construction, **will not** be measured for payment and shall be considered incidental to “Unit Price Item 13 – Retaining Wall”.

- 2.2 Materials
  - Added “.1.1 Granular Fill material placed within the Engineered Fill zone shall meet all requirements specified in the Contract Documents”.
- Section 33 42 13 PIPE CULVERTS
  - 2.3 Granular Bedding and Backfill
    - Removed “.2 BC MoTI 50mm Well-Graded Base Material **or** backfill to be supplied by the Contractor from outside the Park”.
    - Replaced with “.2 BC MoTI 50mm Well-Graded Base Material **for** backfill to be supplied by the Contractor from outside the Park”.
- Section 33 71 13 PRECAST CONCRETE BARRIERS
  - 2.1 Materials
    - Removed “.3 Crash attenuator devices shall meet or exceed NCHRP 350 TL-3 crash requirements and be approved for use in the current Products List as published by BC MoTI”.
    - Replaced with “.3 Crash attenuator devices shall meet or exceed NCHRP 350 TL-3 crash requirements and be approved for use in the current **Recognized** Products List as published by BC MoTI”.

## Drawings:

SHEET NO.	SHEET TITLE	CHANGES
1	COVER	Date change in bottom right
2	LOCATION PLAN	Illecillewaet Curve Area label changed. 'Phase 1A' added. Dates changed (3)
3	LEGEND & DRAWING INDEX	Rev 0 Note added. Dates changed (3)
4	PLAN & PROFILE - PHASE 1 TIE IN STA 25+850 TO STA 26+500	Crash Attenuator label changed. Dates changed (3)
5	PLAN & PROFILE STA 26+500 TO STA 27+150	Dates changed (3)
6	PLAN & PROFILE STA 27+150 TO STA 27+800	Culvert line type changed for culvert 26. Dates changed (3)
7	PLAN & PROFILE STA 27+800 TO STA 28+450	Barrier labels changed (pinned barrier removed). Dates changed (3)
8	PLAN & PROFILE – WESTBOUND STA 125+800 TO STA 126+300	Dates changed (3)
9	PLAN & PROFILE – WESTBOUND STA 126+300 TO STA 126+800	Dates changed (3)
10	PLAN & PROFILE – WESTBOUND STA 126+800 TO STA 127+300	Dates changed (3)
11	PLAN & PROFILE – WESTBOUND STA 225+850 TO STA 226+500	Dates changed (3)
12	PLAN & PROFILE – WESTBOUND STA 226+500 TO STA 227+150	Dates changed (3)
13	TYPICAL SECTIONS TRANS-CANADA HIGHWAY	All dimensions changed / made consistent. Note added re: dimensions. Dates changed (3)
14	TYPICAL SECTIONS MISCELLANEOUS DETAILS	All dimensions changed / made consistent. Note added re: dimensions. Dates changed (3)
15	INTERSECTION DETAILS ILLECILLEWAET CAMPGROUND & ASULKAN TRAILHEAD	Barrier labels corrected, arrows added, vertical curve profile note changed. Dates changed (3)
16	INTERSECTION DETAILS CP ACCESS AND WEST TURNAROUND	Dates changed (3)

17	INTERSECTION DETAILS GUN PLATFORM RELOCATION (GLACIER CP)	Gun Position note changed. Dates changed (3)
18	SIGNAGE & PAVEMENT MARKINGS STA 25+850 TO STA 27+150	Arrows added. Dates changed (3)
19	SIGNAGE & PAVEMENT MARKINGS STA 27+150 TO STA 28+450	Dates changed (3)
20	CULVERT INSTALLATION TABLE	Culvert 26 length changed to 26.2m. Dates changed (3)
21	EAST GATE LANDSLIDE BORROW EXCAVATION AREA STA 2+900 TO STA 4+200	Dates changed (3)
22	PAVING PLAN STA 0+000 TO STA 5+650	Label colours changed. GNP label added. Dates changed (3)
23	PAVING PLAN STA 5+650 TO STA 12+150	Label colours changed. Dates changed (3)
24	PAVING PLAN STA 12+150 TO STA 18+650	Label colours changed. Dates changed (3)
25	PAVING PLAN STA 18+650 TO STA 25+150	Label colours changed. RP label added. Dates changed (3)
26	PAVING PLAN STA 25+150 TO STA 31+650	Label colours changed. Dates changed (3)
27	PAVING PLAN STA 31+650 TO STA 38+150	Label colours changed. Dates changed (3)
28	PAVING PLAN STA 38+150 TO STA 43+794	Label colours changed. GNP label added. Dates changed (3)