

**SPECIAL PROVISIONS APPENDIX  
FOR AMENDMENTS TO THE 2009 STANDARD SPECIFICATIONS  
FOR HIGHWAY CONSTRUCTION**

The Amendments to the 2009 Standard Specifications for Highway Construction are as follows:

**SECTION 125 - ENGINEER OF RECORD AND RECORD DRAWINGS**

Issued Date: June 4, 2010

**125.05.01** The Contractor will, for all engineering works required for each implemented VEP:

- a)** comply with the requirements of Ministry Technical Circular T-06/09 “Engineer of Record and Field Review Guidelines” ([http://www.th.gov.bc.ca/publications/Circulars/Current/T\\_Circ/2009/t06-09%20.pdf](http://www.th.gov.bc.ca/publications/Circulars/Current/T_Circ/2009/t06-09%20.pdf)), or any update or replacement thereof, including, without limitation, identifying Engineers of Record, Field Reviewers, and, if appropriate, a Coordinating Professional Engineer, and submitting all related letters of assurance to the Ministry Representative;
- b)** coordinate with the Coordinating Professional Engineer responsible for the original design as tendered by the Ministry to ensure that all aspects of engineering between the original design and the VEP are covered by the Contractor’s engineers; and
- c)** provide to the Ministry Representative complete signed and sealed record drawings, electronically and in original hard copy, prepared in accordance with Ministry Technical Circular T-07/09 “Record Drawings Amended April 2010” ([http://www.th.gov.bc.ca/publications/Circulars/Current/T\\_Circ/2009/t07-09b.pdf](http://www.th.gov.bc.ca/publications/Circulars/Current/T_Circ/2009/t07-09b.pdf)), or any update or replacement thereof.

**SECTION 145 – GENERAL REQUIREMENTS FOR HIGHWAY, BRIDGE AND MARINE CONSTRUCTION**

Issued Date: February 12, 2009

**SS 145.33.03 a) and b) – Traffic Control Signs** are amended in their entirety and are replaced with the following:

**SS 145.33.03 - Traffic Control Signs:**

The Contractor is required to use:

- a)** Prismatic lens sheeting (identified by the diamond shaped pattern) on:
  - C-27 – Stop/Slow Paddle; and
- b)** ASTM D 4956-04 Type 9 sheeting on all other traffic control signs in the Work zone, including:
  - Crew Working;
  - Single Lane Traffic;
  - Traffic Control Person Ahead; and
  - Prepare to Stop Ahead.

Signs should meet the specifications outlined in the Traffic Control Manual for Work on Roadways under:

[http://www.th.gov.bc.ca/publications/eng\\_publications/TCM/Traffic\\_Control\\_Manual.htm](http://www.th.gov.bc.ca/publications/eng_publications/TCM/Traffic_Control_Manual.htm)

and, the Sign Pattern Manual under:

[http://www.th.gov.bc.ca/publications/eng\\_publications/geometsigns.htm](http://www.th.gov.bc.ca/publications/eng_publications/geometsigns.htm)

All costs to provide, replace and use the required traffic control signs in the Work zone shall be included in the price bid for Traffic Management/Control and no additional compensation will be made.

## **SECTION 207: SLOPE MESH FOR ROCK CUTS**

Issued Date: April 29, 2009

**SS 207.32 - Soil Anchors**, last paragraph is amended in its entirety to read as: The Contractor shall load test 10% of the overburden soil anchors or as specified by the Ministry Representative. Soil anchors shall be tested by applying a lateral load of 10 kN or as specified by the Ministry Representative.

## **SECTION 211: PORTLAND CEMENT CONCRETE**

Issued Date: March 05, 2009

The following Sub-section was inadvertently omitted and is added after SS 211.05.04 – Other Materials:

**SS 211.05.05 – Aggregates:** Each nominal size of aggregate, including coarse and fine shall be separately stockpiled, stored and handled in a manner that will prevent contamination, intermixing and segregation. A minimum of 10 m<sup>3</sup> of each aggregate size, in excess of the requirements of the daily concrete operations, shall be maintained in identifiable stockpiles at the batch site in order to ensure proper continuity of the work with approved aggregates.

## **SECTION 213: TIMBER BRIDGES - CONSTRUCTION**

Issued Date: August 18, 2010

**213.03 Work Practice** – The Standard of work shall be first-class throughout and in accordance with AASHTO LRFD Bridge Construction Specifications, **3<sup>rd</sup> Edition 2010** including any subsequent interim revisions and updates.

## **SECTION 232: METAL BIN WALL**

Issued Date: November 26, 2008

The following have been omitted and are attached to these Special Provisions:

[1-SP 232](#) (Nov. 26, 2008) – Type 2 Metal Bin Wall Designs A, B, & C

[2-SP 232](#) (Nov. 26, 2008) – Type 2 Metal Bin Wall Designs D, E & F

[3-SP 232](#) (Nov. 26, 2008) – Metal Bin Wall Type 1

## **SECTION 303: CULVERTS**

Issued Date: February 12, 2009

[Section 303](#) – Culverts is amended in its entirety to include the Standard Specifications drawings which were inadvertently omitted and is attached to these Special Provisions.

## **SECTION 316: STEEL AND WIRE FENCE MATERIALS**

Issued Date: April 29, 2009

**SS 316.06, f), iii) - Coating Mass**, last line, the reference to “SS 16.06 (c)” should read as “SS 316.06 (c)”.

## **SECTION 320: CORRUGATED STEEL PIPE**

Issued Date: July 17, 2009

**SS 320, Table 320-A: Quality Assurance Tasting**, the word “Tasting” should be “Testing”.

## **SECTION 415: MANUFACTURE AND ERECTION OF PRECAST AND PRESTRESSED CONCRETE MEMBERS**

Issued Date: October 30, 2009

**SS 415.02.02**, the first sentence is amended to read as: Precast concrete elements shall be manufactured in plants certified to the current CSA A23.4 requirements in the appropriate category by CSA or by a certification organization accredited by the Canadian Precast Prestressed Concrete Institute (CPCI), in the subject area of building products and structures.

## **SECTION 421 – STRUCTURAL STEELWORK**

Issued Date: August 18, 2010

**SS 421.01 Scope** – This section covers the supply, fabrication, erection and quality management program of all major structural steel elements.

In general, all shop connections shall be welded, and all field connections high-strength bolted.

Except as otherwise specified herein, steelwork shall be fabricated and erected in accordance with the **AASHTO LRFD Bridge Construction Specifications, 3<sup>rd</sup> Edition 2010**. Welding and associated work shall be in accordance with the current edition of CAN/CSA W59 – Welded Steel Construction. Fracture control requirements, welding requirements for fracture critical members and welding requirements for primary tension members shall be in accordance with CAN/CSA-S6-06.

### **421.06 Quality Assurance, and 421.39 Shop Assembly of Bolted Connections**

The same for other subsections including 421.06 Quality Assurance, and 421.39 Shop Assembly of Bolted Connections. The **AASHTO LRFD Bridge Construction Specifications, 3<sup>rd</sup> Edition 2010** including any subsequent interim revisions and updates shall be replacing the AASHTO Standard Specifications for Highway Bridges (17<sup>th</sup> Edition -2002)

## **SECTION 508: GRADED AGGREGATE SEAL COAT (EPS)**

Issued Date: November 26, 2008

The [Pot Hole and Streaking](#) [pages 18 of 20 to 20 of 20] photographs have been omitted and are attached to these Special Provisions.

With the addition of the Pot Hole photograph as page 18 of 20, the Raveling or Stripping photographs is now numbered as page 19 of 20.

## **SECTION 582: CONCRETE CURB AND GUTTER AND STORM DRAINAGE**

Issued Date: May 7, 2010

The following Standard Specifications drawing has been updated and is now included in this package:

**SP 582-07.03** (May 7)

### **SECTION 635 – ELECTRICAL AND SIGNING**

Issued Date: February 12, 2009

The following Subsections are amended to read as:

**SS 635.26 – Breakaway Sign Structures**, paragraph eight, the word “and” before the words “pressure treated” is deleted and replaced with the word “or”.

**SS 635.27 – Wood Post Sign Structures**, paragraphs four and twelve, the word “and” before the words “pressure treated” is deleted and replaced with the word “or”.

### **SECTION 741 – FENCE CONSTRUCTION**

Issue Date: August 18, 2010

**SS 741.12.01 Gates** – Gates shown on the Drawings shall be of the prefabricated type indicated on Drawings SP741-04.04, SP741-04.05 and as specified in SS 316.11 and/or as specified in the Special Provisions

Issued Date: February 12, 2009

**SS 741.38 – Steel Sidewalk Fencing**, the “Note: These are guide fences only, not intended for use adjacent to drop-offs or high slopes.” is deleted.

SP741-07.01: Sidewalk Fence – Welded for Slip-on is outdated and is replaced with [SP741-07-01](#): Pedestrian Sidewalk Fence – Welded or Slip-on and is attached to these Special Provisions.

[SP741-07.02](#): Bicyclist Sidewalk Fence – Welded or Slip-on is revised to remove the wording “Suitable for locations where gathering of many people improbable” and is attached to these Special Provisions.

### **SECTION 941 – PRECAST REINFORCED CONCRETE BARRIERS**

Issued Date: February 12, 2009

**Precast Concrete Median Barrier 810 mm – CMB-E Details**, SP941-02.01.04 [941 (8 of 28)] is deleted as it is duplicated [see 941 (13 of 28)].

**Precast Concrete Roadside Barrier 690 mm – CRB-E Details**, [SP941-01.02.04](#) [941 (8 of 28)] (Nov. 26, 2008) has been omitted and is attached to these Special Provisions.