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**REVISION INFORMATION**  
**DIVISION 4 – SURFACE WORKS**  
**STANDARD CONSTRUCTION SPECIFICATIONS**

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## **REVISION SUMMARY**

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### **Revised Specifications**

- CW 3110-R7 – Sub-grade, Sub-base and Base Course Construction
- CW 3235-R4 – Renewal of Existing Miscellaneous Concrete Slabs
- CW 3240-R4 – Renewal of Existing Curbs
- CW 3250-R5 – Joint and Crack Maintenance
- CW 3310-R8 – Portland Cement Concrete Pavement Works

### **Revised to the Four-Section Format**

- CW 3120-R1 – Installation of Subdrains
- CW 3130-R1 – Supply and Installation of Geotextile Fabrics

### **Deleted Specification**

- CW 3710 – Products Approved for Use in Surface Works

### **New Specification**

- Approved Products for Surface Works

### **Revised Standard Details**

- Revised SD-202B, SD-203B; SD-211B, SD-212, SD-213B, SD-214A, SD-214B, SD-214C, SD-227B, SD-228B, SD-228C, SD-229A, SD-229B, SD-229C, SD-229D, SD-229E

### **Approved Concrete Mix Designs**

- Concrete Suppliers approved for 2004

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## **EXPLANATION OF THE REVISION SUMMARY**

*(All revisions are highlighted yellow in Specifications)*

### **Revised Specifications**

#### **CW 3110-R7 – Sub-grade, Sub-base and Base Course Construction**

- Clause 3.3.5 Deleted
- Clause 3.2.5 Revised to include limits of excavation increased to 750 millimeters when slip form paving equipment is specified
- Section 3.4 Added "Placement of Sub-base Material with Geotextile Fabric"

#### **CW 3235-R4 – Renewal of Existing Miscellaneous Concrete Slabs**

- Section 1.3 Deleted reference to CW 3710 – Products Approved for Use in Surface Works
- Clause 3.4.4 Added filler sand for existing concrete sidewalk blocks and reference to Sections 5.2.3 and 5.2.4 of CW 3330
- Clause 3.4.7 Added bedding sand for existing concrete sidewalk blocks and revised to Section 9.2 of CW 3330
- Clause 3.5.2 Added concrete piles for isolations

#### **CW 3240-R4 – Renewal of Existing Curbs**

- Clause 1.3.7 Replace reference to CW 3710 with "Approved Products for Surface Works"
- Clause 2.1.3 Added reference to "Approved Products for Surface Works"
- Clause 3.3.14 Revised to, "For complete renewal, install curbs, curb and gutter sections and splash strips utilizing slip-form paving equipment unless otherwise directed by the Contract Administrator"
- Clause 4.4.3 Added clause to clarify pay item for concrete curb renewal greater than 30m

#### **CW 3250-R5 – Joint and Crack Maintenance**

- Section 1.3 Replace reference to CW 3710 with "Approved Products for Surface Works"
- Clause 2.1.2 Add reference to "Approved Products for Surface Works"
- Clause 3.2.3 Revise to, "Clean cracks greater than 10 millimeters to 25 millimeters wide to a maximum depth of 20 millimeters to the satisfaction of the Contract Administrator"
- Clause 4.2.1 Revise pay item to, "Greater than 10 mm to 25mm Wide"

#### **CW 3310-R8 – Portland Cement Concrete Pavement Works**

- Clause 5.4.1 Replace reference to CW 3710 with "Approved Products for Surface Works"
- Section 6.6 Added "Concrete for Temporary Restoration of Utility Pavement Cuts"

### **New Specification**

#### **Approved Products for Surface Works**

Revised to new format

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*Explanation of the Revision Summary – Cont'd.*

**Revised Standard Details**

**SD-202B 40mm Lip Curb**

- Added, “NOTE 3. NOT APPLICABLE FOR BACK LANE APPROACHES”
- Added, “NOTE 4. NOT APPLICABLE FOR PRIVATE APPROACHES ON REGIONAL STREETS”

**SD-203B Modified Barrier Curb**

- Revised dimension of modified barrier curb without asphalt
- Revised NOTE 1. Added, “RADII” and “BACK LANE”

**SD-211B Construction Joint and Contraction Joint for Plain Concrete and Plain-Dowelled Pavements**

- Deleted Keyed and Butt Joint reference
- Added reference “SAWN JOINT REF. SD-212”
- Revised dowel size and spacing requirements

**SD-212 Sawn Joint, Keyed Joint and Butt Joint for Reinforced, Plain Concrete and Plain-Dowelled Pavements**

- Added “NOTE 1. SEALING OF CONCRETE JOINTS NOT REQUIRED IF THE JOINTS ARE BEING OVERLAYED WITH ASPHALT”

**SD-213B Full-Depth Patches; Details of Moving and Tied Joints**

- Revised joint detail for transverse (moving) joints
- Added “SAWN JOINT REF. SD-212”
- Revised dowel size and spacing requirements

**SD-214A Longitudinal Joint Repair Details; Full-Width Patch**

- Revised drawing to remove center line
- Added “EXISTING” to Center Line Joint
- Deleted reference “SAWN JOINT REF. SD-212 (JOINT SEALING NOT REQUIRED IF OVERLAID WITH ASPHALT)”

**SD-214B Longitudinal Joint Repair Details; Lane-at-a-Time Patch**

- Added “NO SAWING OR SEALING REQUIRED” to tied joints
- Revised drawing to remove joint reservoir from tied joints
- Added “EXISTING” to center line joint

**SD-214C Longitudinal Joint Patch Details; One Side Only**

- Added “EXISTING” to center line joint
- Revised drawing to remove joint reservoir from one tied joint
- Added “NO SAWING OR SEALING REQUIRED”
- Deleted arrow from “BUTT JOINT REF. SD-212” to the tied joint

**SD-227B Concrete Splash Strip**

- Added, “NOTE 2. CONSTRUCT MODIFIED BARRIER CURB REF. SD-203B APPLICABLE AT INTERSECTION RADII”

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*Explanation of the Revision Summary – Cont'd.*

**SD-228B Monolithic Curb and Sidewalk**

- Added, “NOTE 2. CONSTRUCT MODIFIED BARRIER CURB REF. SD-203B APPLICABLE AT INTERSECTION RADII”

**SD-228C Miscellaneous Isolations**

- Added “CONCRETE PILE(S)”

**SD-229A Ramp Curb Layout; Intersections**

- Deleted from NOTE: “OR RADII <3000”
- Alternate Layout redrawn to scale
- Revised NOTE: Added “SEE SD-229C”

**SD-229B Ramp Curb Layout; Medians and Approaches**

- Revised NOTE: Added “SEE SD-229C”

**SD-229C Ramp Curb for Concrete Pavement**

- Added “CONSTRUCT CURB INTEGRAL, THE FULL LENGTH OF THE RAMP CURB REF. SD-229A AND SD-229B”
- Added “REMOVE AND REPLACE CONCRETE PAVEMENT, CONSTRUCT RAMP INTEGRAL WITH THE CONCRETE PAVEMENT OR MONOLITHIC WITH THE SIDEWALK RAMP, THE FULL LENGTH OF THE RAMP CURB. REF. SD-229A AND SD-229B”
- Deleted “NOTE: 1. CURB MAY BE REPLACED INTEGRAL WITH THE SIDEWALK RAMP”
- Added (from SD-229E) “NOTE: 1. 15M TIE BARS SHALL BE PLACED PRIOR TO THE PLACING OF ANY CONCRETE. TIE BARS SHALL BE BENT AS REQUIRED AND PLACED SO AS TO ENSURE A MINIMUM CONCRETE COVER OF 50”

**SD-229D Ramp Curb for Asphalt Overlay**

- Added, “CONSTRUCT MONOLITHIC CURB, FULL LENGTH OF THE RAMP CURB. REF. SD-229A AND SD-229B”
- Revised to “REMOVE EXISTING CURB REF. SD-206A”
- Deleted “NOTE: 1. CURB MAY BE REPLACED INTEGRAL WITH THE SIDEWALK RAMP”
- Added (from SD-229E) “NOTE: 1. 15M TIE BARS SHALL BE PLACED PRIOR TO THE PLACING OF ANY CONCRETE. TIE BARS SHALL BE BENT AS REQUIRED AND PLACED SO AS TO ENSURE A MINIMUM CONCRETE COVER OF 50”
- Revised NOTE 2. “EXISTING PAVEMENT MAY BE CUT FULL DEPTH. REF. SD-229C”

**SD-229E Ramp Curb Construction Detail**

- Deleted “NOTE 2) 15M TIE BARS SHALL BE PLACED PRIOR TO THE PLACING OF ANY CONCRETE. TIE BARS SHALL BE BENT AS REQUIRED AND PLACED SO AS TO ENSURE A MINIMUM CONCRETE COVER OF 50. (REF. SD-229D)”