



**GENERAL NOTES**

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- SNOW PLOW GUARDS ARE REQUIRED FOR BRIDGE SKEW ANGLES RANGING FROM 20° TO 45° INCLUSIVE.
- SNOW PLOW GUARDS ARE NORMALLY REQUIRED FOR LHF SKEWS ONLY. HOWEVER, FOR DIVIDED HIGHWAYS WHERE IT IS LIKELY FOR SNOW REMOVAL VEHICLES TO THROW SNOW TOWARD THE MEDIAN, SNOW PLOW GUARDS ARE REQUIRED FOR BOTH RH AND LHF SKEWS.
- REFER TO SITE SPECIFIC DRAWINGS FOR DIMENSIONS "A" THROUGH "K", "W" AND "X" AND SITE SPECIFIC DETAILS NOT SHOWN ON THIS DRAWING.
- MAXIMUM GAP "X" SHALL NOT EXCEED 115 mm. FOR FIXED JOINTS "X" = 70 mm.
- ALL STEEL SHALL CONFORM TO THE REQUIREMENTS OF CAN3- G40.21M-300W OR ASTM A36.

**MATERIALS AND FABRICATION**

- CONTINUOUS SEALING SYSTEM TO BE ONE OF THE FOLLOWING TYPES:
  - ELASTOMETAL "EFE400" WITH TYPE "E" EXTRUSION (SHOWN)
  - HONEL GSH 141 "W-AS" SYSTEM
  - DS BROWN "0400" SEAL WITH TYPE "SSE2" EXTRUSION
  - RJ SERIES STRIP SEAL WITH TYPE RJE EXTRUSION
  - AJ BRAUN BI-100 CELLULAR SEALING SYSTEM
- MULTI-WEB STRIP SEAL SHALL BE NEOPRENE, NATURAL RUBBER OR APPROVED EQUIVALENT.
- ALL REQUIREMENTS OF THE CURRENT SPECIFICATION FOR BRIDGE CONSTRUCTION (SECTION 6) SHALL BE MET.
- METAL EXTRUSIONS SHALL BE SUPPLIED IN TWO PIECES UNLESS NOTED OTHERWISE. STRIP SEAL SHALL BE SUPPLIED IN ONE CONTINUOUS LENGTH.
- BOLTED CURB COVER PLATES SHALL BE HOT DIP GALVANIZED AFTER FABRICATION. ALL OTHER METAL PARTS EXCEPT ERUCTION ANGLES, SPACER PLATES AND STAINLESS STEEL BOLTS SHALL BE HOT DIP GALVANIZED OR ZINC METALLIZED AFTER FABRICATION.
- ALL GALVANIZING SHALL MEET ASTM SPEC A123 OR A153 AS APPLICABLE.
- ZINC METALLIZING SHALL BE 180 MICRONS THICK AND IN ACCORDANCE WITH CSA G-189.
- ALL WELDING SHALL CONFORM TO CURRENT AWS SPECIFICATION D 1.5.
- SHOP ASSEMBLE FOR INSPECTION IN A RELAXED CONDITION WITH ERUCTION ANGLES REMOVED. APPROVAL OF ASSEMBLY REQUIRED PRIOR TO APPLICATION OF ERUCTION ANGLES.
- PRESET GAP IN SHOP FOR A TEMPERATURE OF 15°C.
- JOINT SHALL BE TRANSPORTED WITH ERUCTION ANGLES ATTACHED AND THE EXTRUSION CAVITY SEALED WITH TAPE.

**BLOCKOUT PREPARATION (AS SPECIFIED ON SITE SPECIFIC DRAWING)**

- CONSTRUCT BLOCKOUTS AS SHOWN ON SITE SPECIFIC DRAWINGS.
- INSTALL CURB COVER PLATE ASSEMBLIES AND PLACE CONCRETE AS SPECIFIED IN ABUTMENT AND DECK CURB BLOCKOUTS. REMOVE CURB ASSEMBLY ERUCTION ANGLES IMMEDIATELY AFTER CONCRETE IS PLACED.

**JOINT INSTALLATION**

- ERECT ASSEMBLY.
- FORM AND SEAL OPENING BETWEEN EXTRUSIONS.
- USE ERUCTION ANGLES TO ADJUST ASSEMBLY PARALLEL TO EXISTING ROADWAY GRADE AS SHOWN ON SECTION C.
- MAINTAIN THE DECK JOINT'S PRESET GAP UNLESS ADVISED TO RESET GAP BY THE CONSULTANT.
- PLACE ELASTOMERIC CONCRETE IN BLOCKOUTS AS SHOWN.
- REMOVE ERUCTION ANGLES IMMEDIATELY AFTER ELASTOMERIC CONCRETE HAS SET TO PREVENT DAMAGE DUE TO TEMPERATURE VARIATION.
- REMOVE ALL FORMWORK AND CLEAN EXCESS CONCRETE AND DEBRIS FROM ASSEMBLY.
- WELD SNOW PLOW GUARD PLATES AFTER SEAL INSTALLATION.
- APPLY TWO COATS OF ZINC RICH PAINT ON ON AREAS DAMAGED BY FIELD WELDING.
- FIELD WELDED SPLICE SHALL BE AS PER SECTION 13 OF THE SPECIFICATIONS FOR BRIDGE CONSTRUCTION.

**SEAL INSTALLATION**

- REMOVE CURB COVER PLATES WHEN JOINT IS READY FOR STRIP SEAL INSTALLATION. SUPPLIER SHALL INSTALL SEAL AND TORQUE CURB COVER PLATE BOLTS TO 1/3 TURN FROM SNUG TIGHT CONDITION.

DESIGNED RY		DRAWN WJW		DATE 98-01-20		CHECKED CTC		DATE 98-10-06		STREAM		LOCATION		HIGHWAY		FILE		SHEET 1 of 1		DRAWING S-1627-98	
98-10-02 SECTION D ADDED, GENERAL UPDATE APPROVED [Signature] [Signature] [Signature] DATE Oct 27/02										<b>Alberta TRANSPORTATION AND UTILITIES</b> TECHNICAL STANDARDS BRANCH <b>TYPE III STRIP SEAL</b> <b>DECK JOINT</b> <b>WITH SNOW PLOW GUARD</b>											