



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 RHF 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.
- PREFERRED MOVEMENT RANGE FOR EXPANSION JOINTS "X" = 65 mm TO 100 mm, FOR FIXED JOINTS "X" = 65 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 "M" EXTRUSION
 - HONEL GSH 141 "W-DE" SYSTEM (SHOWN)
 - DS BROWN "0400" SEAL WITH TYPE SSCM EXTRUSION
 - AJ BRAUN BI-100 CELLULAR SYSTEM
 - RJ SERIES STRIP SEAL WITH TYPE RJM EXTRUSION.
 - HEXEL FYFE "FPS57" SEAL WITH TYPE C EXTRUSION
- 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 ERECTION 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 D1.5.
- SHOP ASSEMBLE FOR INSPECTION IN A RELAXED CONDITION WITH ERECTION ANGLES REMOVED. APPROVAL OF ASSEMBLY REQUIRED PRIOR TO APPLICATION OF ERECTION ANGLES.
- PRESET GAP IN SHOP FOR A TEMPERATURE OF +15°C.
- JOINT SHALL BE TRANSPORTED WITH ERECTION ANGLES ATTACHED AND THE EXTRUSION CAVITY SEALED WITH TAPE.
- **JOINT INSTALLATION**
- ERECT ASSEMBLY.
- SECURE ROADWAY PORTION OF ASSEMBLY TO GIRDERS AND BACKWALL BY WELDING.
- MAINTAIN THE DECK JOINTS' PRESET GAP UNLESS ADVISED TO RESET GAP BY THE ENGINEER.
- THE ATTACHMENT SHALL BE STRONG ENOUGH TO MAINTAIN THE CORRECT GAP, GRADE AND ALIGNMENT OF THE ASSEMBLY UNTIL AFTER CONCRETE PLACEMENT. ADDITIONAL SUPPORTS MAY BE REQUIRED TO ENSURE THESE CONDITIONS ARE MET.
- REMOVE ERECTION ANGLES IMMEDIATELY AFTER ASSEMBLY IS SECURELY ATTACHED TO PREVENT DAMAGE DUE TO TEMPERATURE VARIATION.
- PLACE CONCRETE AS SPECIFIED IN BLOCKOUTS AS SHOWN.
- REMOVE ALL FORMWORK AND CLEAN EXCESS CONCRETE AND DEBRIS FROM ASSEMBLY.
- INSTALL THE CURB PORTIONS OF THE DECK JOINT ASSEMBLY AND PLACE CONCRETE AS SPECIFIED. REMOVE CURB ASSEMBLY IMMEDIATELY AFTER CONCRETE IS PLACED.
- APPLY SILANE SEALER TO EXPOSED CONCRETE SURFACES.
- WELD SNOW PLOW GUARD PLATES AFTER SEAL INSTALLATION.
- APPLY TWO COATS OF GALVALON ON AREAS DAMAGED BY FIELD WELDING.
- FIELD WELDED SPLICE SHALL BE AS PER SECTION I3 OF THE BRIDGE CONSTRUCTION SPECIFICATION
- **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.

SUPERSEDED

DESIGNED		DRAWN		DATE		CHECKED		DATE		BY		STREAM		LOCATION		HIGHWAY		FILE		SHEET		DRAWING	
RJW		WJW		98-01-20		CTC														1 of 1		S-1626-98	
APPROVED												Alberta TRANSPORTATION AND UTILITIES TECHNICAL STANDARDS BRANCH TYPE I STRIP SEAL DECK JOINT WITH SNOW PLOW GUARD											
REV		DATE		REVISIONS		BY		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE	