



NOTES

MATERIALS AND SPECIFICATIONS

1. PROVIDE STEEL PLATE AND EXTRUSION IN ACCORDANCE WITH ASTM A709 GRADE 36, AND GALVANIZE IN ACCORDANCE WITH ASTM A123.
2. PROVIDE STRIP SEALS IN ACCORDANCE WITH ASTM D5973 AND PROVIDE AND INSTALL IN ONE CONTINUOUS PIECE.
3. WELD IN ACCORDANCE WITH CURRENT AASHTO SPECIFICATIONS.

FABRICATION

4. SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH 105.02.
5. DUE TO THE LENGTH OF STEEL EXTRUSIONS AND THE JOINT PROFILE, PARTIAL PENETRATION GROOVE WELD SHOP SPLICES WILL BE PERMITTED. DO NOT WELD IN THE INTERNAL SECTION OF THE STEEL EXTRUSION WHERE THE NEOPRENE STRIP SEAL IS LOCATED.
6. SHOW THE LOCATION OF SPLICES, THE FINAL LINE AND GRADE OF THE JOINT, NECESSARY WELDING INFORMATION, AND THE METHOD OF SUPPORT DURING THE DECK POURS ON THE SHOP DRAWINGS.
7. THE LINE AND GRADE OF THE JOINT MUST CONFORM TO THAT SHOWN ON THIS SHEET. THE ELEVATION OF THE POINTS SHOWN IN THE JOINT PROFILE DETAIL MAY VARY NO MORE THAN ±.02 FEET FROM THE VALUES SHOWN.
8. WHEN THE JOINT ANGLES EXCEED 60' IN LENGTH, A MAXIMUM OF TWO PARTIAL PENETRATION GROOVE WELD FIELD SPLICES WILL BE PERMITTED. DO NOT LOCATE THE FIELD SPlice IN THE WHEEL PATH, AND SHOW THE LOCATION ON THE SHOP DRAWINGS.

INSTALLATION

9. INSTALL THE JOINT SYSTEM IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
10. BOND NEOPRENE EXTRUSION TO THE STEEL EXTRUSION WITH AN ELASTIC ADHESIVE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE ADHESIVE LUBRICANT IN ACCORDANCE WITH ASTM D4070.
11. ADJUST THE EXPANSION JOINT X" FOR EVERY 10°F CHANGE IN TEMPERATURE FROM THE MEDIAN TEMPERATURE OF 60°F AT THE TIME OF INSTALLATION OF THE JOINT.
12. FLOOD THE JOINT AREA WITH WATER AND INSPECT FROM BELOW FOR LEAKAGE AFTER THE JOINT IS INSTALLED. REPAIR THE JOINT SYSTEM IF LEAKAGE IS OBSERVED, IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND APPROVED.
13. FABRICATE THE COMPLETED JOINT ASSEMBLY, INCLUDING COMPONENTS AND SUBASSEMBLIES, BY ONE MANUFACTURER.

TABLE OF ELEVATIONS				
LOCATION	HORIZONTAL BEND LEFT SIDE 1'-0" FROM TRAFFIC FACE OF PARAPET		HORIZONTAL BEND RIGHT SIDE 1'-0" FROM TRAFFIC FACE OF PARAPET	
	ANGLE A	ELEVATION 1	ANGLE B	ELEVATION 2

RECOMMENDED MANUFACTURERS OF THE SHOWN JOINT ASSEMBLY **			
LOCATION	MANUFACTURER	STYLE	EXTRUSION TYPE
	WATSON BOWMAN ACME		
	D.S. BROWN		
	TECHSTAR		

** OR APPROVED EQUAL

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	
DESIGN CHECKED	
DETAILED	
DWG. CHECKED	
CORRECTIONS	

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME
Standards/Bridge Standard Drawings
B14_2.DGN

DRAWING DATE:
OCT 2023

APPROVED BY:
BRIDGE ENGINEER **MICHAEL T. JOHNSON** DATE: _____

IDAHO TRANSPORTATION DEPARTMENT

YOUR Safety → YOUR Mobility → YOUR Economic Opportunity

ENGLISH

PROJECT NO.

STRIP SEAL EXPANSION JOINT

BRIDGE LRFD DESIGN MANUAL, B14.2

BRIDGE PLANS	
BRIDGE KEY NO.	
COUNTY	KEY NO.
BRIDGE DWG. NO.	SHEET OF