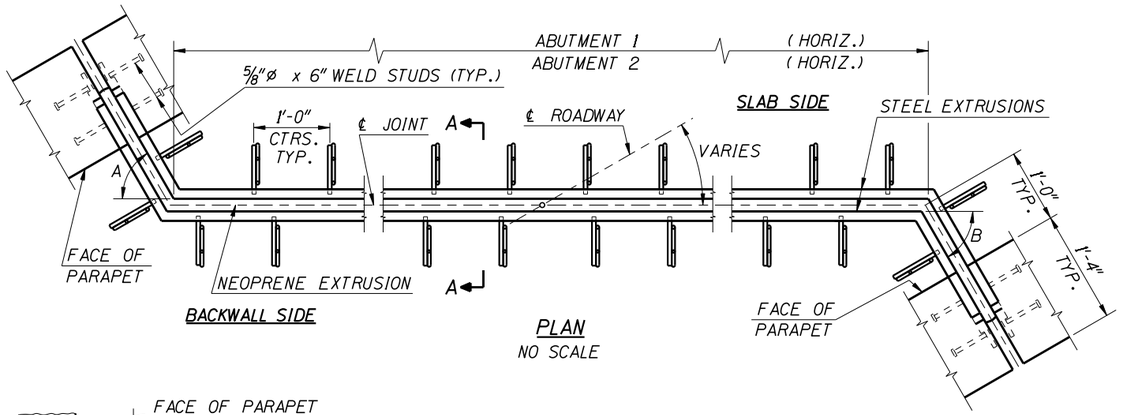
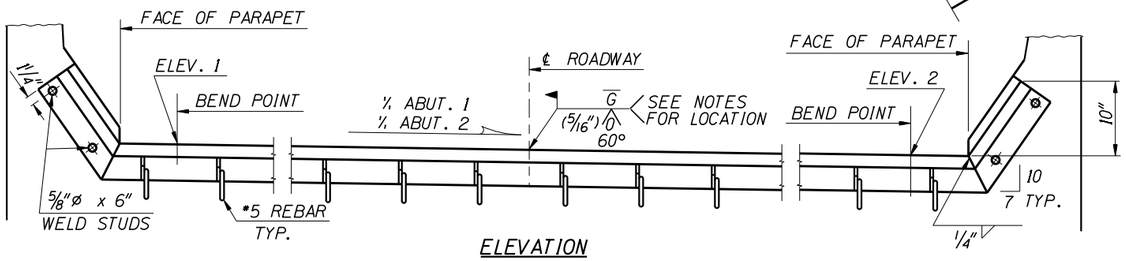
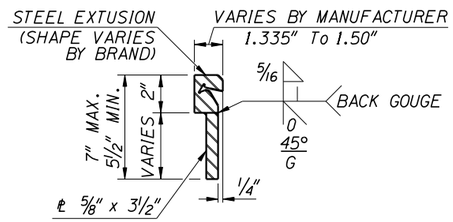


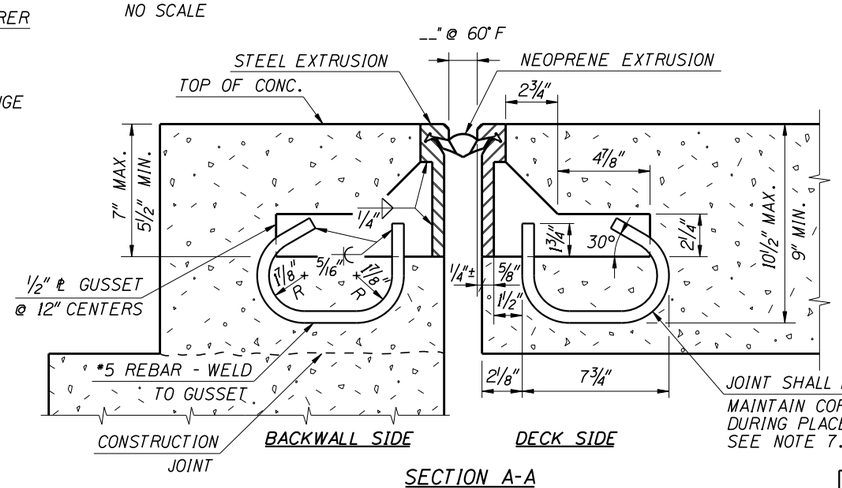
PLAN
NO SCALE



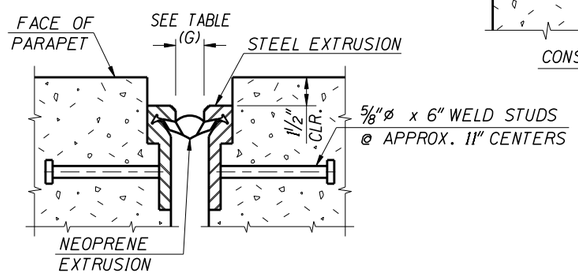
ELEVATION
LOOKING AHEAD STATION
NO SCALE



BUILT-UP EXTRUSION
3"=1'-0"



SECTION A-A
3"=1'-0"



SECTION THRU PARAPET
3"=1'-0"

NOTES

MATERIALS AND SPECIFICATIONS

1. STEEL PLATE AND EXTRUSION SHALL CONFORM TO AASHTO M270, GRADE 36.
2. STRIP SEALS SHALL CONFORM TO ASTM D-5973 AND SHALL BE FURNISHED AND INSTALLED IN ONE CONTINUOUS PIECE.
3. WELDING SHALL BE DONE ACCORDING TO CURRENT AASHTO SPECIFICATIONS.

FABRICATION

4. ALL EXPOSED SURFACES SHALL BE PAINTED CONCRETE GRAY. THE PAINT SYSTEM TO BE USED SHALL BE SHOWN ON THE SHOP DRAWINGS.
5. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER IN ACCORDANCE WITH SECTION 504 AND SHALL INCLUDE COMPLETE DIMENSIONS AND DETAILS OF FABRICATION INCLUDING AN ERECTION DIAGRAM. MATERIALS BEING USED SHALL BE CLEARLY SPECIFIED. BEFORE PROJECT COMPLETION, THE CONTRACTOR SHALL FURNISH THE ENGINEER A 22" X 34" REPRODUCIBLE MYLAR COPY OF THE SHOP DRAWINGS.
6. DUE TO THE LENGTH OF STEEL EXTRUSIONS AND THE JOINT PROFILE, COMPLETE PENETRATION GROOVE WELD SHOP SPLICES WILL BE PERMITTED. NO WELD SHALL BE PERMITTED IN THE INTERNAL SECTION OF THE STEEL EXTRUSION WHERE THE NEOPRENE STRIP SEAL IS LOCATED.
7. THE SHOP DRAWINGS SHALL SHOW THE LOCATION OF ALL SPLICES, THE FINAL LINE AND GRADE OF THE JOINT, ALL NECESSARY WELDING INFORMATION, AND THE METHOD OF SUPPORT DURING THE DECK POURS.
8. THE LINE AND GRADE OF THE JOINT SHALL 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.
9. WHEN THE JOINT ANGLES EXCEED 60' IN LENGTH, A MAXIMUM OF TWO FIELD SPLICES WILL BE PERMITTED. THE FIELD SPLICE SHALL NOT BE LOCATED IN THE WHEEL PATH, AND THE LOCATION SHALL BE SHOWN ON THE SHOP DRAWINGS.

INSTALLATION

10. SETTING OF THE JOINT SYSTEM SHALL BE AS RECOMMENDED BY THE MANUFACTURER.
11. NEOPRENE EXTRUSION SHALL BE BONDED TO THE STEEL EXTRUSION WITH AN ELASTIC ADHESIVE AS RECOMMENDED BY THE JOINT MANUFACTURER. THE ADHESIVE SHALL MEET THE REQUIREMENTS OF ASTM D-4070-81.
12. THE EXPANSION JOINT SHALL BE ADJUSTED 0" FOR EVERY 10° F CHANGE IN TEMPERATURE FROM THE MEDIAN TEMPERATURE OF 60° F AT THE TIME OF INSTALLATION OF THE JOINT.
13. AFTER THE JOINT SYSTEM IS INSTALLED, THE JOINT AREA SHALL BE FLOODED WITH WATER AND INSPECTED FROM BELOW THE JOINT FOR LEAKAGE. IF LEAKAGE IS OBSERVED, THE JOINT SYSTEM SHALL REPAIRED AT THE EXPENSE OF THE CONTRACTOR, AS RECOMMENDED BY THE MANUFACTURER AND APPROVED THE ENGINEER.
14. THE COMPLETED JOINT ASSEMBLY, INCLUDING ALL COMPONENTS AND SUBASSEMBLIES, SHALL BE FABRICATED BY ONE MANUFACTURER.

TABLE OF ELEVATIONS

LOCATION	HORIZONTAL BEND LEFT SIDE 2'-4" FROM OUTSIDE OF PARAPET		HORIZONTAL BEND RIGHT SIDE 2'-4" FROM OUTSIDE OF PARAPET	
	ANGLE A	ELEVATION 1	ANGLE B	ELEVATION 2

RECOMMENDED MANUFACTURERS OF THE SHOWN JOINT ASSEMBLY

LOCATION	MANUFACTURER	STYLE	INSTALLATION WIDTH NORMAL TO JOINT		EXTRUSION TYPE
			MIN.	MAX.	

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1			
2			
3			
4			
5			

DESIGNED
DESIGN CHECKED
DETAILED
DWG. CHECKED
CORRECTIONS

SCALES SHOWN ARE FOR 34" X 22" PRINTS ONLY

CADD FILE NO.
\prj00000\bridge\ b14_2.dgn

DRAWING DATE:
JUNE 2006

ORIGINAL SIGNED BY:

DATE SIGNED: DATE

ORIGINAL STORED AT ITD BRIDGE SECTION

IDAHO TRANSPORTATION DEPARTMENT

English

PROJECT NO.

STRIP SEAL EXPANSION JOINT

BRIDGE PLANS

BRIDGE LRFD MANUAL, PAGE B14.2

COUNTY | KEY NO.

BRIDGE DRAWING NO. | SHEET OF