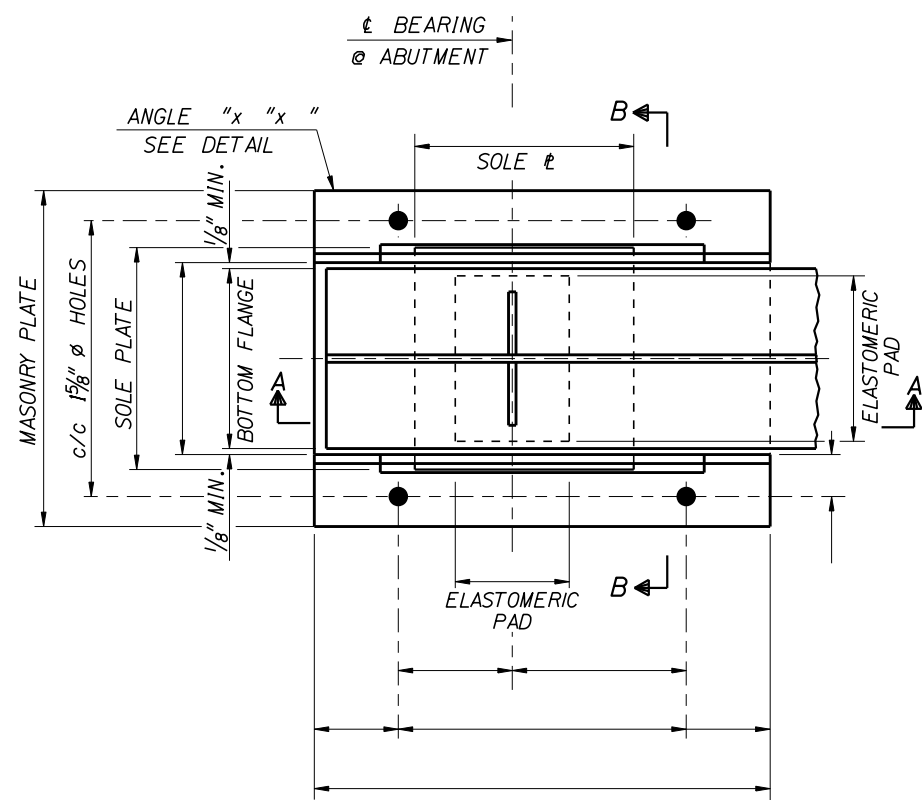
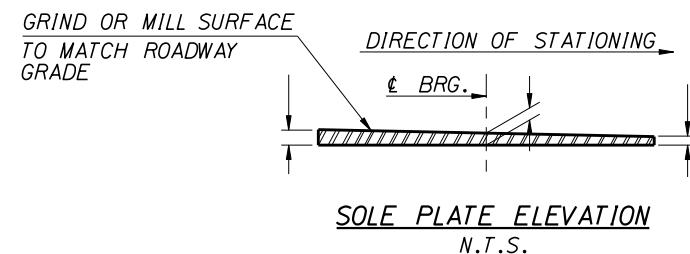
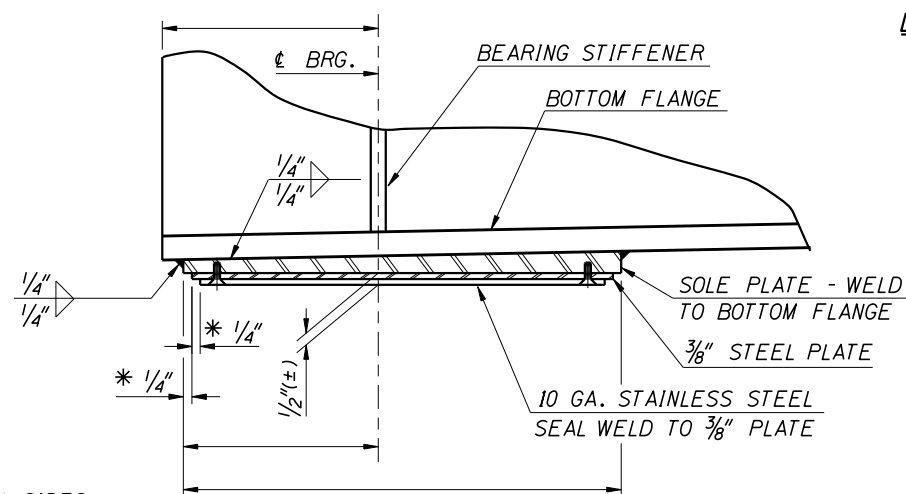
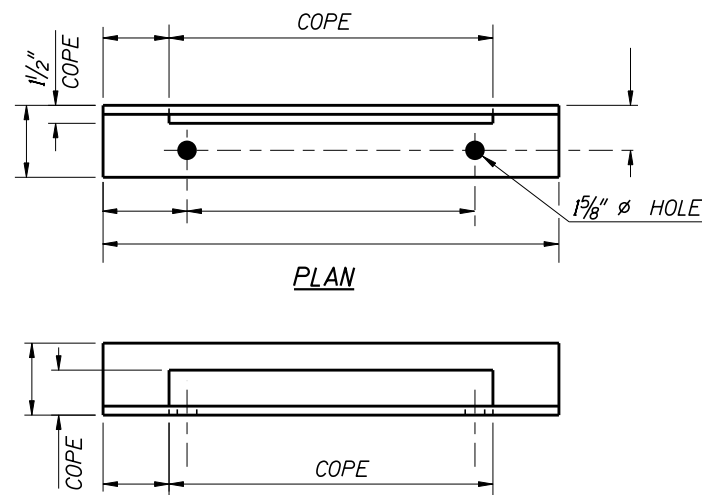




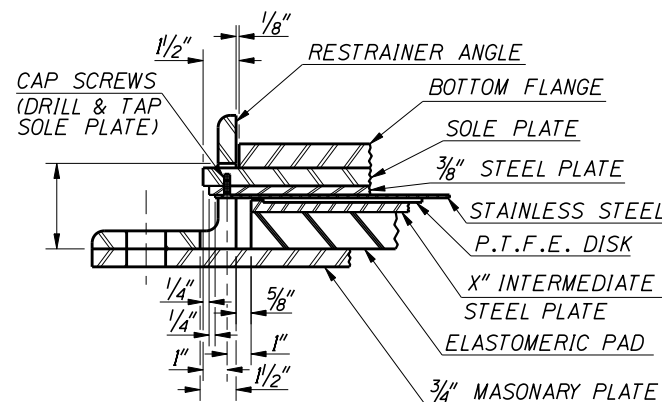
EXPANSION BEARING PLAN @ ABUTMENT
(SHOWN @ 60° F)
1 1/2"=1'-0"



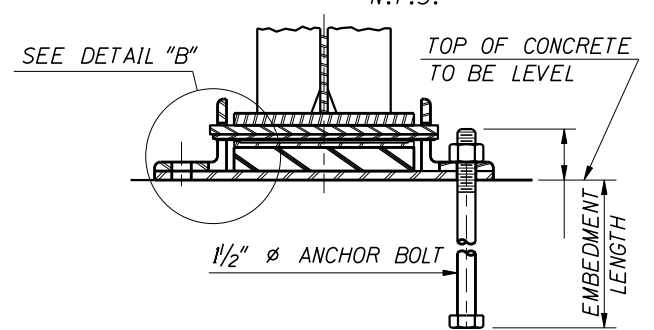
SECTION A-A
POSITION OF UPPER PORTION OF EXPANSION BEARING



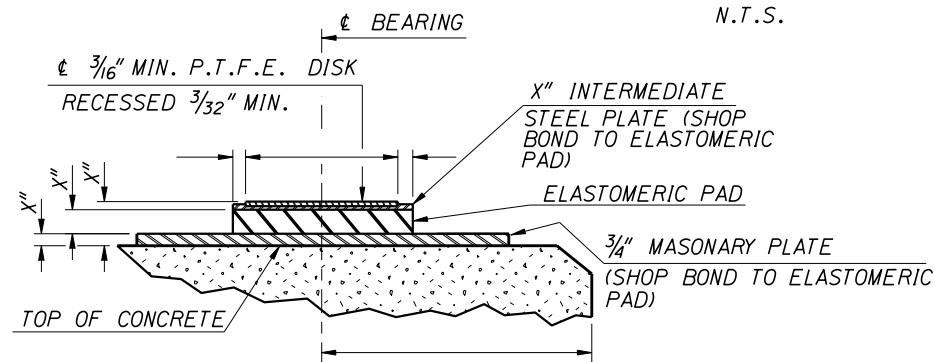
RESTRAINER ANGLE DETAIL
1 1/2"=1'-0"



DETAIL "B"
N.T.S.



SECTION B-B
1 1/2"=1'-0"



SECTION A-A
POSITION OF LOWER PORTION OF EXPANSION BEARING

NOTES

- ANCHOR BOLTS SHALL CONFORM WITH A.S.T.M. F-1554 GRADE 36 AND SHALL BE GALVANIZED IN ACCORDANCE WITH A.S.T.M. A-153.
- ALL STEEL, UNLESS OTHERWISE SPECIFIED, SHALL BE M270 GRADE 50.
- AFTER PLACEMENT OF DECK CONCRETE, EACH PAD SHALL BEAR ON BOTH TOP AND BOTTOM SEATS THROUGHOUT ITS AREA.
- STAINLESS STEEL SHEETS SHALL CONFORM WITH ASTM A240, TYPE 304 WITH A NO. 8 RMS FINISH.
- CAP SCREWS SHALL BE 1/4"- 20 UNC X 3/4" STAINLESS STEEL 82° HEXAGON SOCKET FLAT COUNTERSUNK HEAD CAP SCREWS 18-8 SS.
- THE COST OF FURNISHING AND INSTALLING BEARING UNITS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR "504-005A STEEL BRIDGE".
- ELASTOMERIC PADS SHALL MEET THE REQUIREMENTS OF AASHTO LRFD BRIDGE CONSTRUCTION SECTION 18.
- P.T.F.E. SHALL MEET THE REQUIREMENTS OF AASHTO LRFD BRIDGE CODE ARTICLE 14.7.2, FOR VIRGIN, UNFILLED DIMPLED LUBRICATED SHEETS. FABRICATION SHALL BE IN ACCORDANCE WITH AASHTO LRFD BRIDGE CONSTRUCTION SECTION 18. CERTIFICATION TESTING FROM THE P.T.F.E. PRODUCTION LOT SHALL BE REQUIRED TO ENSURE THAT THE MINIMUM COEFFICIENT OF FRICTION FOR THE BEARING UNIT MEETS AASHTO SPECIFICATIONS.
- METAL SURFACES EXPOSED TO VIEW IN THE COMPLETED WORK, EXCEPT STAINLESS STEEL SURFACE, SHALL BE SOLVENT CLEANED AND PAINTED IN ACCORDANCE WITH SECTION 627. PAINT SHALL BE 4 - 6 MILS OF INORGANIC ZINC AND SHALL BE APPLIED IN THE SHOP. PAINTED SURFACES DAMAGED OR BURNED DURING INSTALLATION SHALL BE CLEANED FREE OF DAMAGED PAINT AND REPAINTED.
- DURING INSTALLATION THE TOP OF THE ASSEMBLY SHALL BE REMOVED AND A 1/16" THICK COATING OF SILICONE GREASE SHALL BE APPLIED TO THE ENTIRE TFE SURFACE AND THE BEARING REASSEMBLED WITHOUT DAMAGE TO THE MATING SLIDING SURFACE. SILICONE GREASE SHALL CONFORM TO MILITARY SPECIFICATION: MIL-S-8660.
- THE MASONRY PLATE SHALL BE SET ON A THIN GROUT PAD CONFORMING TO TYPE "B", CLASS 1 AS SPECIFIED IN SUBSECTION 506.03, PARAGRAPH H2A.
- SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER IN ACCORDANCE WITH SECTION 504 AND SHALL INCLUDE COMPLETE DIMENSIONS AND DETAILS OF FABRICATION. MATERIALS BEING USED SHALL BE CLEARLY SPECIFIED. THE CONTRACTOR SHALL FURNISH THE ENGINEER A 3 MIL 22" X 34" REPRODUCIBLE MYLAR COPY OF THE APPROVED SHOP DRAWINGS.
- AT THE ASSUMED MEDIAN TEMPERATURE OF 60°F AT THE TIME OF GIRDER ERECTION, THE CENTERLINES OF THE UPPER AND LOWER BEARING ASSEMBLIES ALIGN. FOR GIRDER ERECTION AT TEMPERATURES OTHER THAN 60°F, THE POSITION OF THE CENTERLINE OF THE UPPER BEARING ASSEMBLY WILL BE OFFSET WITH RESPECT TO THE LOWER BEARING ASSEMBLY BY .1" FOR EVERY 10°F CHANGE IN TEMPERATURE FROM 60°F.

* TYPICAL ALL SIDES

REVISIONS				DESIGNED	SCALES SHOWN ARE FOR 34" X 22" PRINTS ONLY CADD FILE NO. prj000000\bridge\ b14_7a.dgn DRAWING DATE: APR 2008	ORIGINAL SIGNED BY: DATE SIGNED: DATE ORIGINAL STORED AT: ITO-BRIDGE SECTION
NO.	DATE	BY	DESCRIPTION	DESIGN CHECKED		
△				DETAILED		
△				DWG. CHECKED		
△				CORRECTIONS		

IDAHO TRANSPORTATION DEPARTMENT	
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English	PROJECT NO.
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TFE/STAINLESS STEEL EXPANSION BEARING	BRIDGE PLANS
STEEL GIRDER DETAILS	BRIDGE LRFD MANUAL, PAGE B14.7A
	COUNTY KEY NO.
	BRIDGE DRAWING NO. SHEET OF