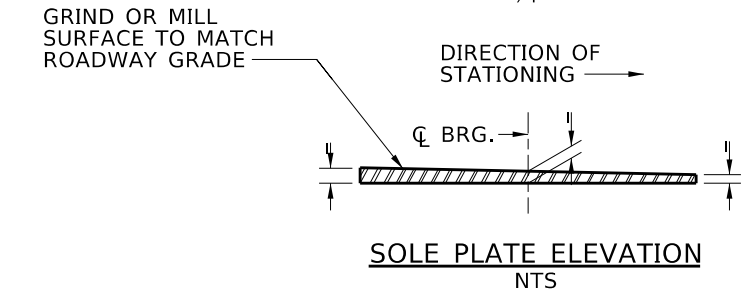
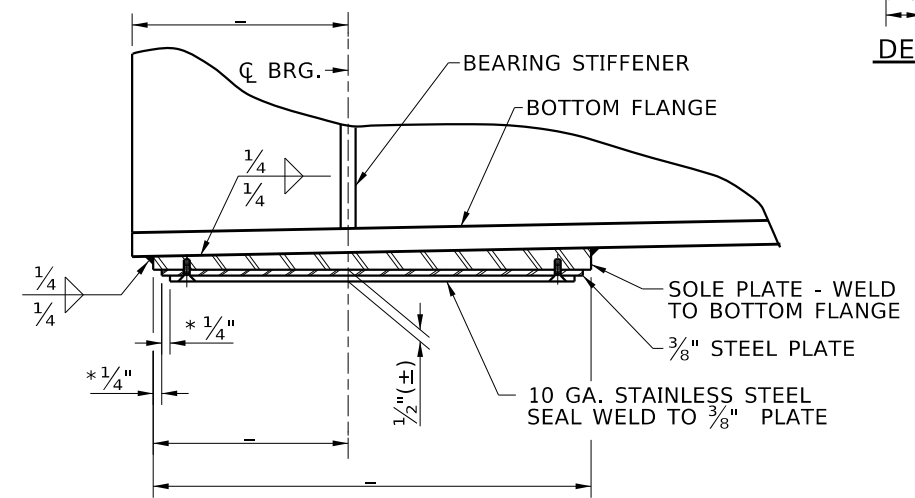


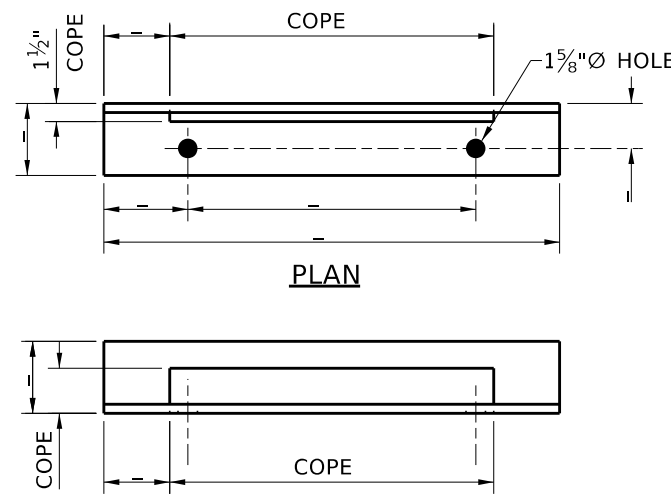
**EXPANSION BEARING PLAN @ ABUTMENT**  
(SHOWN @ 60°F)  
3/4"=1'-0"



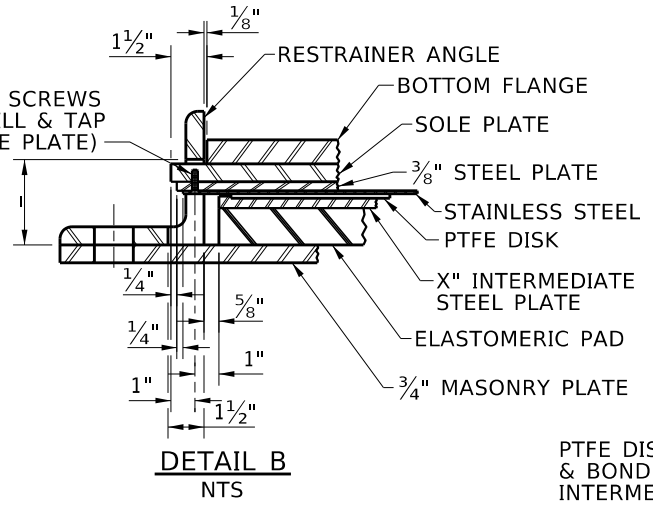
**SOLE PLATE ELEVATION**  
NTS



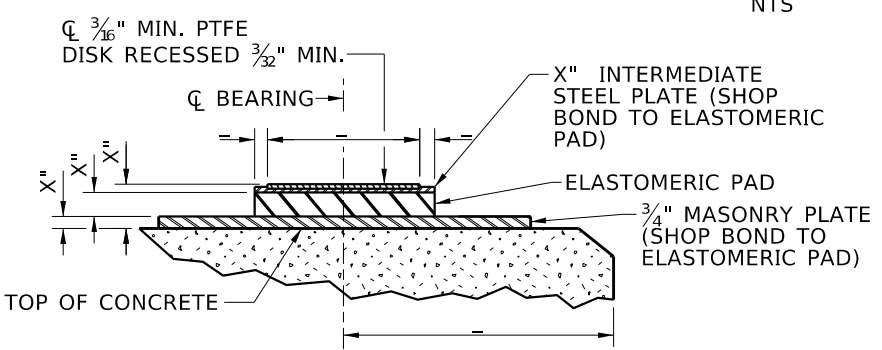
**SECTION A-A**  
POSITION OF UPPER PORTION OF EXPANSION BEARING  
NTS



**RESTRAINER ANGLE DETAIL**  
3/4"=1'-0"



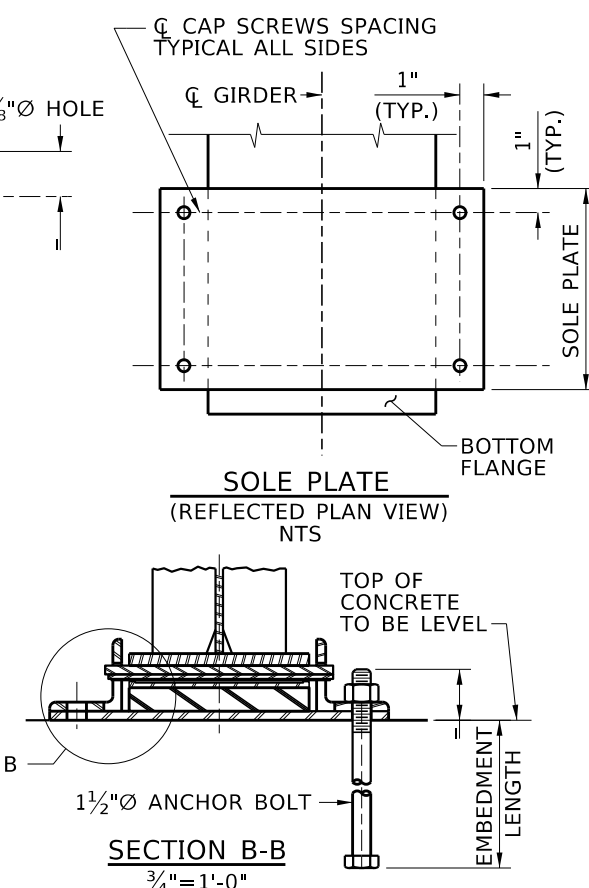
**DETAIL B**  
NTS



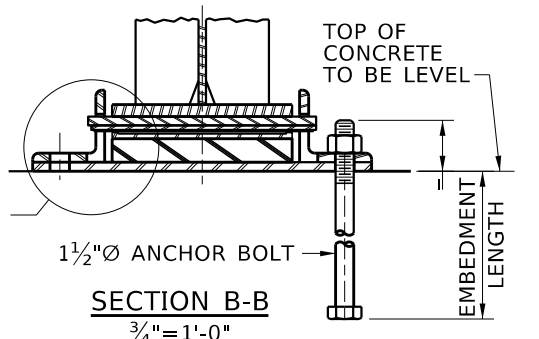
**SECTION A-A**  
POSITION OF LOWER PORTION OF EXPANSION BEARING  
NTS

**ELEVATION**

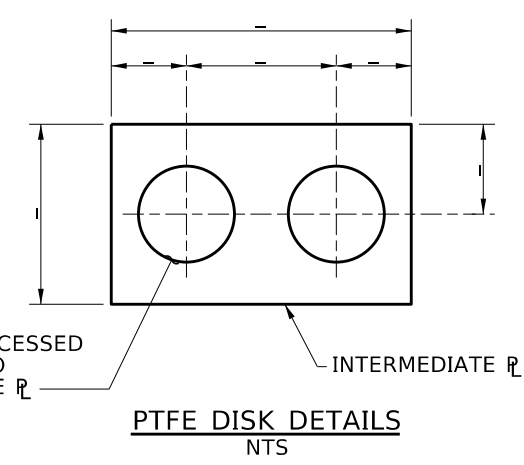
**PLAN**



**SOLE PLATE**  
(REFLECTED PLAN VIEW)  
NTS



**SECTION B-B**  
3/4"=1'-0"



**PTFE DISK DETAILS**  
NTS

**NOTES**

1. PROVIDE ANCHOR BOLTS IN ACCORDANCE WITH ASTM F1554 GRADE 36 AND GALVANIZE IN ACCORDANCE WITH ASTM A153.
2. PROVIDE STEEL, IN ACCORDANCE WITH ASTM A709 GRADE 50 UNLESS OTHERWISE SPECIFIED.
3. AFTER PLACEMENT OF DECK CONCRETE, EACH PAD MUST BEAR ON BOTH TOP AND BOTTOM SEATS THROUGHOUT ITS AREA.
4. PROVIDE STAINLESS STEEL SHEETS IN ACCORDANCE WITH ASTM A240, TYPE 304 WITH A NO. 8 RMS FINISH.
5. PROVIDE 1/4"- 20 UNC X 3/4" STAINLESS STEEL 82° HEXAGON SOCKET FLAT COUNTERSUNK HEAD CAP SCREWS 18-8 SS.
6. THE COST OF PROVIDING AND INSTALLING BEARING UNITS IS INCIDENTAL TO PAY ITEM 507-015A.
7. PROVIDE ELASTOMERIC PADS IN ACCORDANCE WITH 720.02.
8. PROVIDE PTFE IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS ARTICLE 14.7.2, FOR VIRGIN, UNFILLED DIMPLED LUBRICATED SHEETS AND FABRICATE IN ACCORDANCE WITH AASHTO LRFD BRIDGE CONSTRUCTION SECTION 18. PERFORM CERTIFICATION TESTING FOR THE PTFE TO ENSURE THAT THE FRICTION ACTUALLY ACHIEVED IN THE BEARING MEETS THE ASSUMED DESIGN VALUE xxx.
9. SOLVENT CLEAN AND PAINT METAL SURFACES EXPOSED TO VIEW IN THE COMPLETED WORK, EXCEPT STAINLESS STEEL SURFACE, IN ACCORDANCE WITH 627. PAINT WILL BE 4 - 6 MILS OF INORGANIC ZINC AND WILL BE APPLIED IN THE SHOP. PAINT TOP COAT COLOR 20122 AMS-STD-595. CLEAN AND REPAINT SURFACES DAMAGED DURING INSTALLATION.
10. REMOVE THE TOP OF THE ASSEMBLY DURING INSTALLATION AND APPLY A 1/16" THICK COATING OF SILICONE GREASE TO THE ENTIRE TFE SURFACE AND THE BEARING REASSEMBLED WITHOUT DAMAGE TO THE MATING SLIDING SURFACE. PROVIDE SILICONE GREASE IN ACCORDANCE WITH SPECIFICATION SAE-AS8660.
11. SET THE MASONRY PLATE ON A THIN GROUT PAD IN ACCORDANCE WITH TYPE "B", CLASS 1 AS SPECIFIED IN 705.02.
12. SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH 105.02.
13. ALIGN THE CENTERLINES OF THE UPPER AND LOWER BEARING ASSEMBLIES AT THE TIME OF GIRDER ERECTION AT THE ASSUMED MEDIAN TEMPERATURE OF 60°F.
14. OFFSET THE CENTERLINE OF THE UPPER BEARING ASSEMBLY WITH RESPECT TO THE CHANGE IN TEMPERATURE FROM 60°F FOR GIRDER ERECTION AT TEMPERATURES OTHER THAN 60°F, BY \_\_\_" FOR EVERY 10°F CHANGE IN TEMPERATURE FROM 60°F.

\* TYPICAL ALL SIDES

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	CADD FILE NAME
DETAILED	Standards/Bridge Standard Drawings
DWG. CHECKED	B14_7A.DGN
CORRECTIONS	DRAWING DATE: OCT 2023

**IDAHO TRANSPORTATION DEPARTMENT**

YOUR Safety → YOUR Mobility → YOUR Economic Opportunity

APPROVED BY: BRIDGE ENGINEER **MICHAEL T. JOHNSON** DATE: \_\_\_\_\_

**ENGLISH**  
PROJECT NO. \_\_\_\_\_

**TFE/STAINLESS STEEL EXPANSION BEARING**  
  
**STEEL GIRDER DETAILS**  
**BRIDGE LRFD DESIGN MANUAL, B14.7A**

<b>BRIDGE PLANS</b>	
BRIDGE KEY NO. _____	
COUNTY _____	KEY NO. _____
BRIDGE DWG. NO. _____	SHEET _____ OF _____