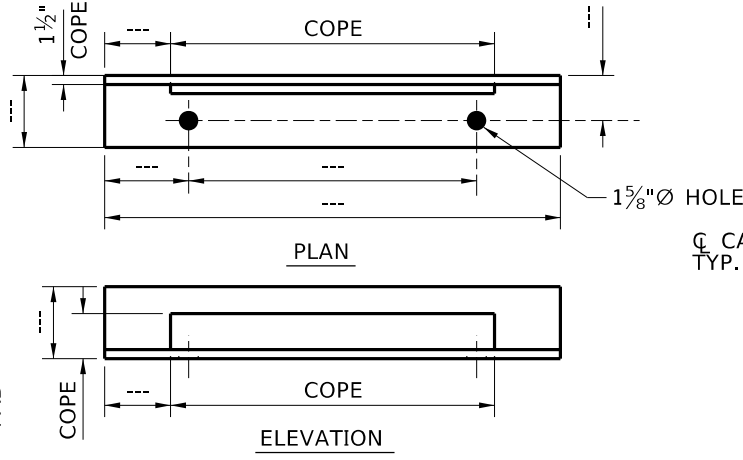
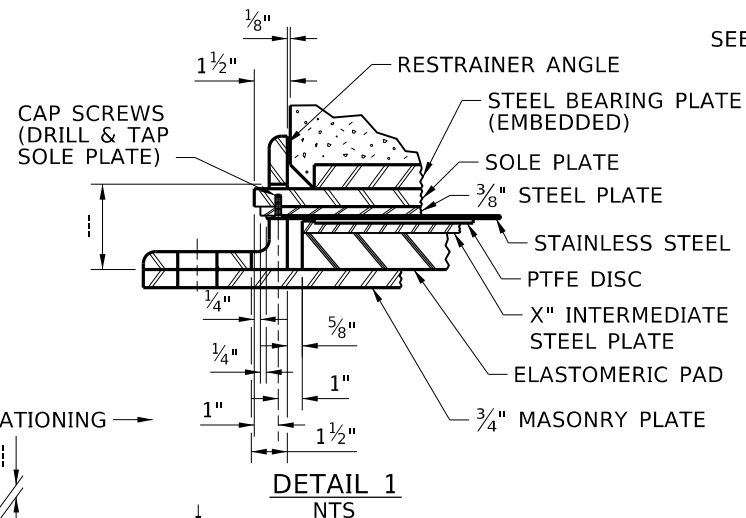


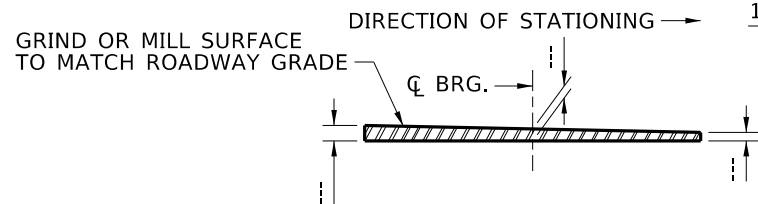
EXPANSION BEARING PLAN & ABUTMENT
(SHOWN AT 60°F
1 1/2" = 1'-0")



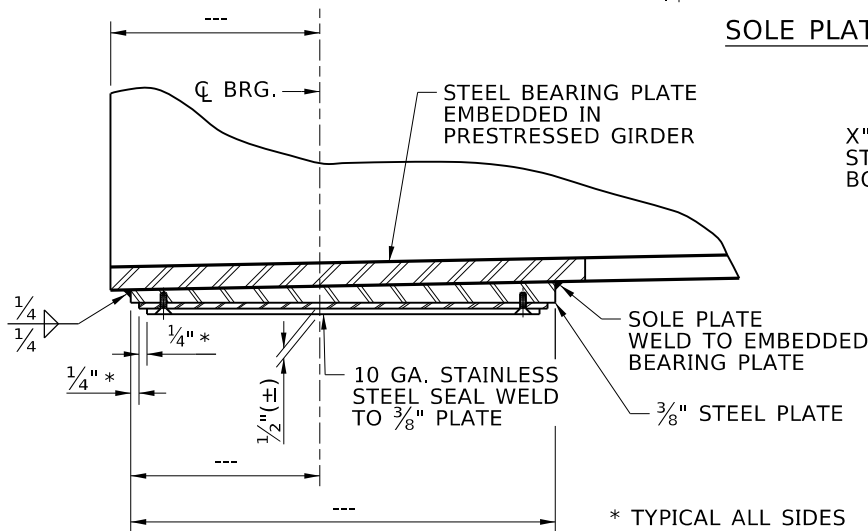
RESTRAINER ANGLE DETAIL
1 1/2" = 1'-0"



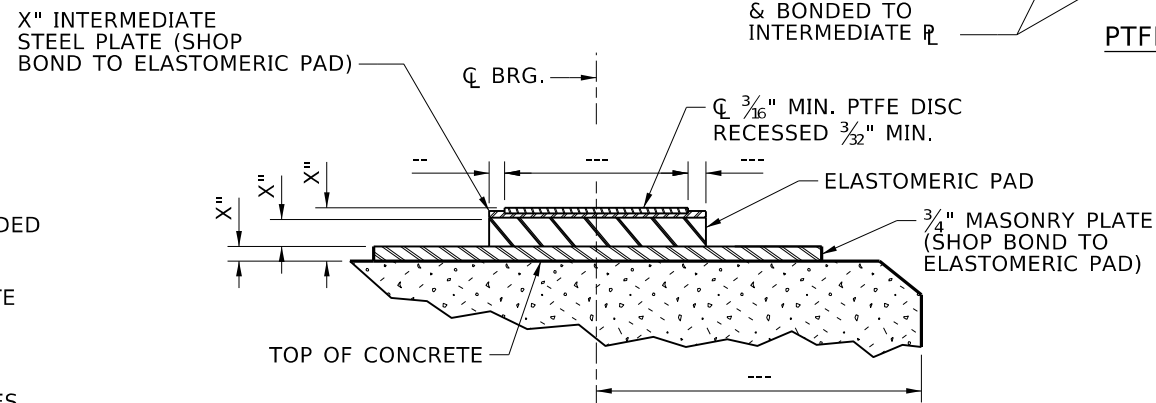
DETAIL 1
NTS



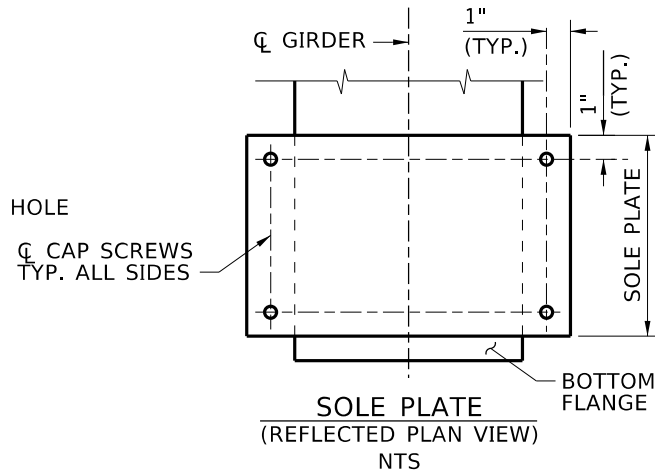
SOLE PLATE ELEVATION
NTS



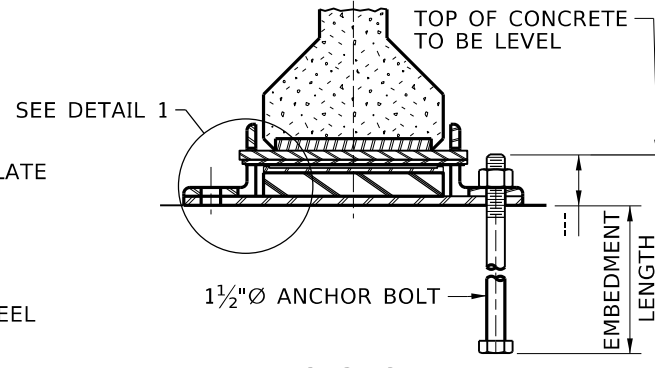
SECTION A-A
POSITION OF UPPER PORTION OF EXPANSION BEARING
NTS



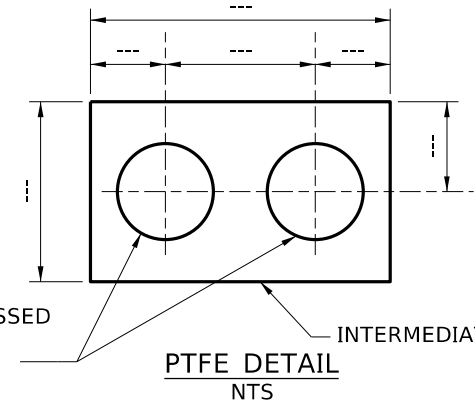
SECTION A-A
POSITION OF LOWER PORTION OF EXPANSION BEARING
NTS



SOLE PLATE
(REFLECTED PLAN VIEW)
NTS



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



PTFE DETAIL
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 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 26492 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 PTFE SURFACE AND THE BEARING ASSEMBLED WITHOUT DAMAGE TO THE MATING SLIDING SURFACE. PROVIDE SILICONE GREASE IN ACCORDANCE WITH SPECIFICATION SAE-AS8660.
 11. SET THE MASONRY PLATE ON A TIN GROUT PAD IN ACCORDANCE WITH TYPE "B", CLASS 1 AS SPECIFIED IN 105.02.
 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 60° F, BY ___" FOR EVERY 10° F CHANGE IN TEMPERATURE FROM 60°F.

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_7B.DGN
DRAWING DATE:
DEC 2024

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
CONCRETE GIRDER DETAIL BRIDGE LRFD DESIGN MANUAL, B14.7B

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