



- * 2 - 1/4" EXTERIOR LAYERS OF ELASTOMER
- 4 - 3/8" INTERIOR LAYERS OF ELASTOMER
- 5 - 1/16" STEEL REINFORCING PLATES

ELASTOMERIC BEARING DETAIL

SCALE 3" = 1'-0"

ELASTOMERIC BEARING NOTES

1. BEARINGS SHALL CONFORM TO THE APPLICABLE SUBSECTIONS OF STANDARD SPECIFICATIONS SECTIONS 531 AND 731.
2. ALL STEEL IN BEARING DEVICES SHALL BE AASHTO M270M/M270 GRADE 36 AND SHALL BE GALVANIZED PER SUBSECTION 531.04 (b).
3. ALL ANCHOR BOLTS SHALL BE EMBEDDED A MINIMUM OF 15" AND SHALL MEET THE REQUIREMENTS OF SUBSECTION 714.08.
4. ANCHOR BOLT NUTS SHALL BE HAND TIGHTENED AND BACKED OFF 1/8". THREADS SHALL BE BURRED ABOVE THE NUT TO PREVENT NUT REMOVAL.
5. ALL REINFORCEMENT BETWEEN LAYERS OF ELASTOMER SHALL BE STEEL AASHTO M270M/M270 GRADE 36. ALL INTERNAL STEEL PLATES SHALL BE SAND BLASTED AND FREE OF COATINGS, RUST, AND MILL SCALE. THE PLATES SHALL BE FREE OF SHARP EDGES AND BURRS.
6. STEEL REINFORCED ELASTOMERIC BEARINGS SHALL HAVE A MINIMUM 1/8" EDGE SEAL OF ELASTOMER INTEGRAL WITH BEARING OVER ALL INTERNAL PLATES.
7. THE STEEL REINFORCED ELASTOMERIC BEARING PADS SHALL BE VULCANIZED TO THE STEEL SOLE PLATES. THE STEEL SURFACES TO BE BONDED TO THE PAD SHALL NOT BE METALIZED.
8. THE ELASTOMER WAS DESIGNED WITH A SHEAR MODULUS OF 130 PSI +/- 15%.
9. THE ELASTOMER SHALL MEET THE REQUIREMENTS OF LOW TEMPERATURE ZONE D, GRADE 4.
10. THE CONCRETE UNDER THE BEARING DEVICE SHALL BE LEVEL.
11. ALL DESIGNS DONE FOR THE BEARINGS SHALL BE PER THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS REFERENCED ON THE PROJECT NOTES SHEET.
12. ALTERNATE CONFIGURATIONS FOR BEARINGS MAY BE SUBMITTED FOR APPROVAL. ANY ALTERNATE SUBMITTED SHALL BE DESIGNED AND CERTIFIED TO MEET THE DESIGN LOADS AND CRITERIA SHOWN ON THE PLANS.
13. BRIDGE SEAT ELEVATIONS MAY BE REVISED TO ACCOMMODATE AN ALTERNATIVE CONFIGURATION.

DESIGN CRITERIA (SERVICE LIMIT STATE)

AASHTO METHOD A
 DEAD LOAD = 62.7 KIPS
 LIVE LOAD = 96.7 KIPS
 LONGITUDINAL MOVEMENT = 0.30 IN. (ABUTMENT NO 1 & 2)



PROJECT NAME: HUNTINGTON
 PROJECT NUMBER: BF 0211(32)

FILE NAME: z13j080brg.dgn
 PROJECT LEADER: S.E. BURBANK
 DESIGNED BY: R.H. BARNES
 BEARING DETAILS (2 OF 2)

PLOT DATE: 8/15/2016
 DRAWN BY: R.H. BARNES
 CHECKED BY: S.E. BURBANK
 SHEET 33 OF 62