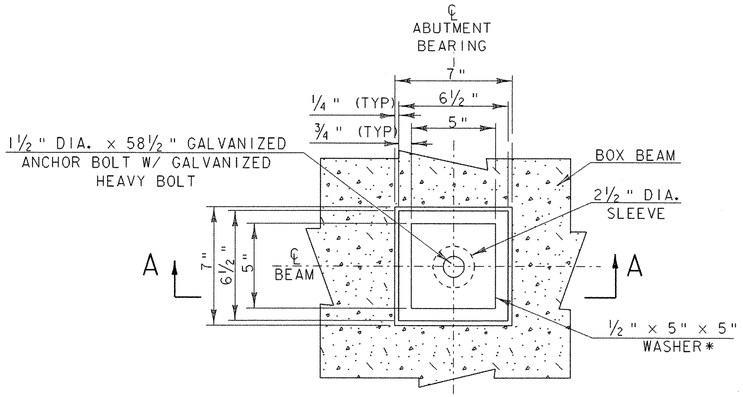
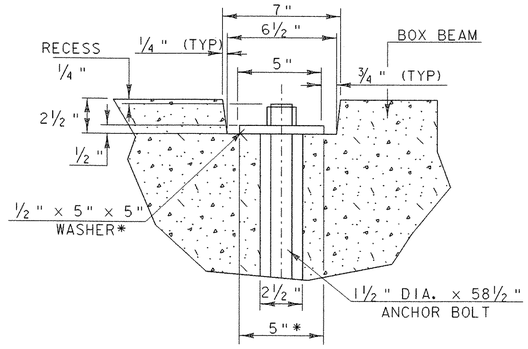


END BRIDGE ANCHOR BOLT DETAIL

NTS

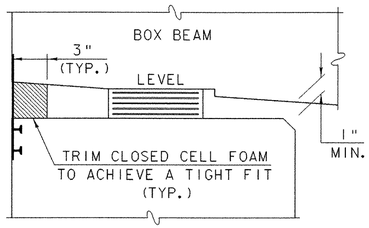


SECTION A-A

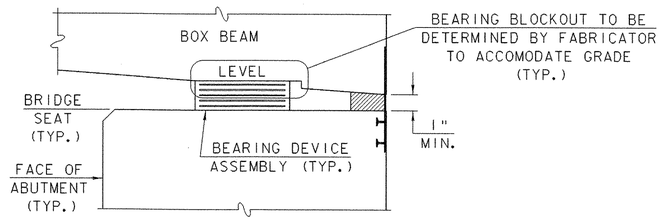
NTS

NOTE:
SEE VAOT SPECIFICATION 714.08 FOR ANCHOR BOLTS & NUTS

* 1/2" x 5" x 5" WASHER WITH 1 1/2" DIA. HOLE (GALVANIZED)



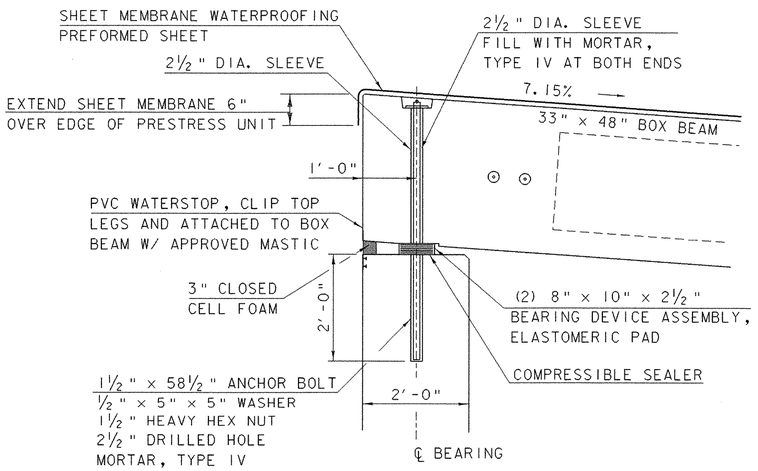
ABUTMENT NO. 1



ABUTMENT NO. 2

BEARING BLOCKOUT DETAILS

NTS



BRIDGE END DETAIL

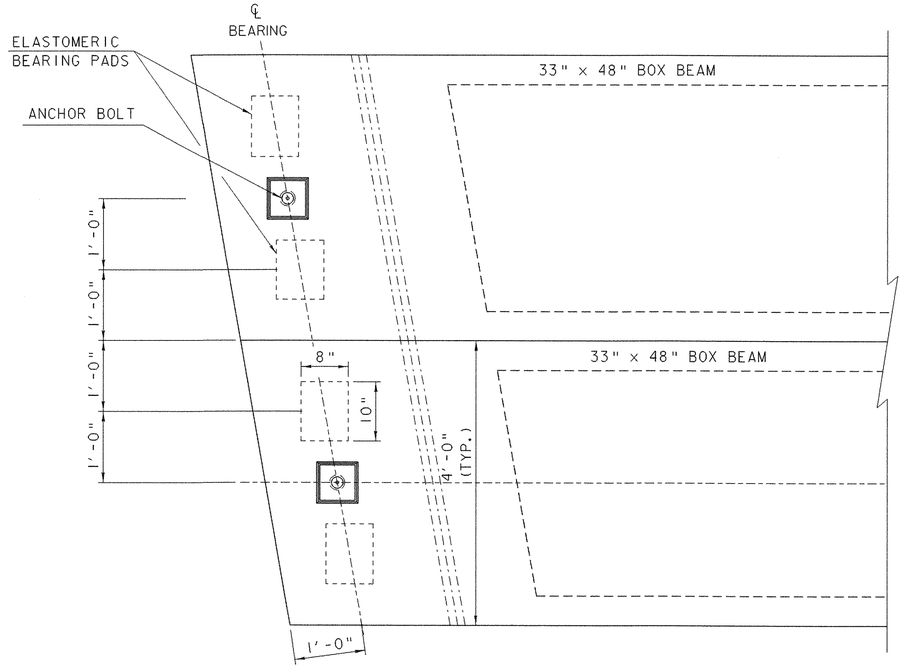
SCALE 3/4" = 1'-0

1 0 1 2

BEARING DEVICE NOTES

1. BEARINGS SHALL BE PAID FOR UNDER ITEM 531.11, "BEARING DEVICE ASSEMBLY, ELASTOMERIC PAD"
2. ALTERNATE CONFIGURATIONS FOR ELASTOMERIC BEARINGS MAY BE SUBMITTED FOR APPROVAL. ANY ALTERNATE BEARING SUBMITTED SHALL BE DESIGNED AND CERTIFIED TO MEET THE LOADS AND CRITERIA SHOWN ON THIS SHEET AND MAINTAIN THE ANCHORAGE SYSTEM SHOWN. THE BEARINGS SHALL BE DESIGNED ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" 2002 EDITION AND ITS LATEST REVISIONS.
3. THE BEARING SHAPE FACTOR SHALL BE BETWEEN 5.0 AND 12.0.
4. ALL REINFORCMENT BETWEEN LAYERS OF ELASTOMERIC SHALL BE STEEL GRADE 50.3 NO FABRIC REINFORCEMENT WILL BE PERMITTED.
5. ELASTOMERIC BEARINGS REINFORCED WITH STEEL SHALL HAVE A 1/8" EDGE SEAL OF ELASTOMERIC INTEGRAL WITH THE BEARING OVER ALL PLATES.
6. ALL MATERIALS AND FABRICATION SHALL BE PER AASHTO DIVISION II SECTION 18.2 AND AASHTO MATERIAL SPECIFICATION M251.
7. DESIGN CRITERIA:
   - A. TEMPERATURE RANGE: 80 F
   - B. 60 DUROMETER ELASTOMERIC
   - C. MAXIMUM BEARING STRESS: 1000 psi
   - D. DESIGN ROTATION: 0.015 rad
   - E. REACTION/BEAM:
     - RDL: 101 kips
     - RLL: 17 kips
8. COMPRESSIBLE SEALER. THE FABRICATOR SHALL SUPPLY A SELF ADHESIVE COMPRESSIBLE SEALER BETWEEN THE BOTTOM OF THE UNITS AND THE BRIDGE SEAT. THIS COMPRESSIBLE SEALER SHALL SURROUND THE 2 1/2" DIA SLEEVE IN THE UNIT. THE PURPOSE OF THE SEALER IS TO FACILITATE PLACEMENT OF THE "MORTAR, TYPE IV" AROUND THE ANCHOR BOLTS.
9. PAYMENT FOR PROVIDING AND INSTALLING PVC WATERSTOP SHALL BE INCIDENTAL TO ITEM 501.34, "CONCRETE HIGH PERFORMANCE, CLASS B".

KEY	DATE	BY	REVISION
1	06/11/2007	VAOT	ADDENDUM NO. 1

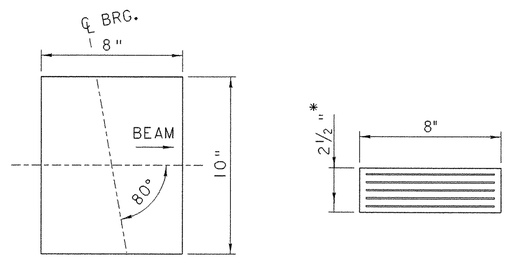


BEARING PAD PLACEMENT DETAIL

(TYPICAL EACH END)

SCALE 1" = 1'-0

1 9 6 3 0 1 2



ELASTOMERIC BEARING DETAIL

* 4 - 3/8" LAYERS OF ELASTOMERIC BETWEEN 5 LAYERS OF 14 GAGE STEEL REINFORCING PLATES

SCALE 3" = 1'-0

1 9 6 3 0 1

BRIDGE END DETAILS

PROJECT NAME: SPRINGFIELD
PROJECT NUMBER: ST CULV(5)

FILE NAME: /04c178/str/s04c178fp.dgn
PROJECT LEADER: R. WHITCOMB
DESIGNED BY: D. PETERSON
PLOT DATE: 11-JUN-2007
DRAWN BY: D. PETERSON
CHECKED BY: W. LAMMER
SHEET 32 OF 52