

REVISIONS					
ZONE	REV	DESCRIPTION	DATE	REV. BY	APPROVED
-	AAS	PER ENGINEER & CHECKER'S MARKS	9/29/11	E.J.G.	R.F.

(E)-STAINLESS STEEL SLIDING SURFACES SHALL CONFORM TO ASTM A-240 TYPE 304 WITH A SURFACE FINISH OF #8 MIRROR (AASHTO LRFD 14.7.2.2)

9. MANUFACTURING REQUIREMENTS

(A)-POTS AND PISTONS SHALL BE MACHINED FROM A SOLID PIECE OF STEEL AS PER AASHTO LRFD SECTION 18.3.3.2.1 POT BEARINGS.

(B)-ELASTOMERIC DISC TOLERANCES SHALL BE PER AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS 18.1.4.2.

(C)-PITE SLIDING SURFACE TOLERANCES SHALL BE PER AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS 18.1.4.2.

(D)-STAINLESS STEEL SLIDING SURFACES SHALL BE EPOXY BONDED & SEAL WELDED, CONFORMING TO THE AMERICAN WELDING SOCIETY REQUIREMENTS FOR STAINLESS STEEL. AROUND IT'S PERIMETER USING TECHNIQUES WHICH WILL ENSURE IT REMAINS IN CONTACT WITH THE BACKING PLATE. FINISH SHALL BE #8 MIRROR (AASHTO 14.7.2.2). FLATNESS SHALL CONFORM TO CLASS "A" OR BETTER.

(E)-SOLE PLATE TOLERANCES SHALL CONFORM TO AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS 18.1.4.2.

(F)-GUIDE BAR TOLERANCES SHALL CONFORM TO AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS 18.1.4.2.

(G)-OVERALL HEIGHT OF BEARING SHALL NOT EXCEED THE NOMINAL HEIGHT BY MORE THAN 3/16".

(H)-THE EDGES OF ALL PARTS SHALL BE BROKEN BY GRINDING SO THAT THERE ARE NO SHARP EDGES.

(I)-EXTERNAL STEEL PLATE SURFACES TO BE HOT DIP GALVANIZED AS PER SPECIFICATIONS.

10. TOLERANCES FOR FLATNESS

(A)-FLATNESS OF BEARING SURFACES SHALL BE DETERMINED BY THE FOLLOWING METHOD:

(1)-A PRECISION STRAIGHT EDGE LONGER THAN THE NOMINAL DIMENSION TO BE MEASURED SHALL BE PLACED IN CONTACT WITH THE SURFACE TO BE MEASURED AS PARALLEL TO IT AS POSSIBLE.

(2)-SELECT A FEELER GAUGE HAVING AN ACCURACY OF ±.001" EQUAL TO THE TOLERANCE ALLOWED AND ATTEMPT TO INSERT IT UNDER THE STRAIGHT EDGE.

(3)-PLATES ARE "ACCEPTABLE" IF THE FEELER GAUGE DOES NOT PASS UNDER THE STRAIGHT EDGE.

(B)-FLATNESS TOLERANCES SHALL BE AS FOLLOWS:

(1)-CLASS "A" 0.001" X NOMINAL DIMENSION PER AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATION 18.1.4.2-1.

(C)-"NOMINAL DIMENSIONS" SHALL BE INTERPRETED AS THE ACTUAL DIMENSION OF THE PLATE UNDER THE STRAIGHT EDGE WHERE THE STRAIGHT EDGE IS NOT PARALLEL TO ANY PLAN DIMENSION OF THE PLATE BEING MEASURED.

(D)-IN DETERMINING THE FLATNESS THE STRAIGHT EDGE MAY BE LOCATED IN ANY POSITION ON THE SURFACE BEING MEASURED.

11. REFERENCE

(A)-AASHTO LRFD STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 4TH EDITION 2007 WITH CURRENT INTERIMS, AS MODIFIED BY THE 2006 STANDARD SPECIFICATIONS FOR CONSTRUCTION, AS MODIFIED BY THE SPECIAL PROVISIONS.

12. ADDITIONAL COMMENTS

(A)-BEARINGS SHALL BE TESTED ACCORDING TO SECTION 531 OF VERMONT'S 2006 STANDARD SPECIFICATION FOR CONSTRUCTION.

(B)-ALL WELDERS SHALL BE QUALIFIED AS PER AWS D1.5.

(C)-ALL BEARINGS SHALL BE PLACED ON A 1/8" THK. BEARING PAD SAME SIZE AS MASONRY PLATE.

(D) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

(E) SCALE = N.T.S.

(F) NEW BRIDGE SEAT ELEVATIONS SHALL BE ADJUSTED BY THE G/C BASED ON THE FINAL CONFIGURATION OF THE BEARINGS.

(F) MANUFACTURING LOCATION:
AMSCOT STRUCTURAL PRODUCTS CORP. INC.
241 EAST BLACKWELL STREET
DOVER, NJ 07801

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CONTACT: PETER SOMOGYI

NOTES FOR LAMINATED ELASTOMERIC BEARING PADS (ITEM NO. 531.12):

1. ALL STEEL BEARINGS SHALL BE AASHTO M270 GRADE 50.

2. ALL BEARING DEVICES SHALL BE GALVANIZED AS PER STANDARD SPECIFICATIONS 506.15 AND 531.04(b), AS MODIFIED BY THE GENERAL SPECIAL PROVISIONS.

3. BEARINGS TO BE MANUFACTURED ACCORDING TO AASHTO LRFD STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SECTION 14 & 18, 17th EDITION, 2002

4. ELASTOMERIC NATURAL RUBBER MATERIAL TO BE 50+/-5 DUROMETER HARDNESS, GR. 4

5. ALL STEEL PRODUCED IN THE U.S.A.

6. THE BEARINGS ARE DESIGNED SO THAT THE SUPERSTRUCTURE MAY BE ERECTED WHEN THE AMBIENT AIR TEMPERATURE IS WITHIN THE RANGE OF 40 DEG. F. TO 90 DEG. F.

7. ALL SWEDGED ANCHOR BOLTS F1554, GR. 105, HH NUTS A-563, AND WASHERS F-436, SHALL BE GALVANIZED

8. PRIOR TO GALVANIZING, ALL CORNERS AND EDGES OF STEEL PLATES, SHAPES, ETC. SHALL BE GROUND TO A 1/16" MIN. RADIUS (TYP).

VERMONT AGENCY OF TRANSPORTATION
PROJECT NAME: BETHEL
PROJECT NUMBER: BRF-022-1(14)

BEARING NOTES

AMSCOT

STRUCTURAL PRODUCTS CORP.
DOVER, NJ

SCALE: N.T.S. CHECKED: B.F. DRAWN BY: C.A.M.
DATE: 8/19/11 REVISION: A

FOR: BECK & BELLUCCI

DWG NO: BB11A7RA SHEET NO. 7 OF 7