

ARKANSAS HIGHWAY DEPARTMENT  
 BRIDGE DESIGN SECTION  
 CALCULATIONS FOR

MADE BY F.H. DATE 3/11/80 SHEET NO. \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_ JOB NO. \_\_\_\_\_  
 BRIDGE NO. \_\_\_\_\_

MARCH 11, 1980  
 Information from Robert Patrick  
 Oil States Rubber Co.

SUBJECT: Maximum Practical Size of Elastomeric Bearings

Recent manufactured bearings:

48" x 48" x 7" for Dallas Sports Arena.  
 (1600 lbs ±)

35" x 35" x 7 1/4" for Saudi Arabia Power Plant  
 (900 ± lbs)

largest bearing they have made weighed 3300 lbs

Maximum size possible of their molds = 50" x 75" x 12" ±

Note: large bearings could require some relaxing of tolerances.

Oil States can produce bearings with holes for Anchor bolts without any problem.

Oil States recommends that Sole Plate be made part of bid item for bearings and plans call for vulcanization of bearing to plate instead of epoxy bonded.

