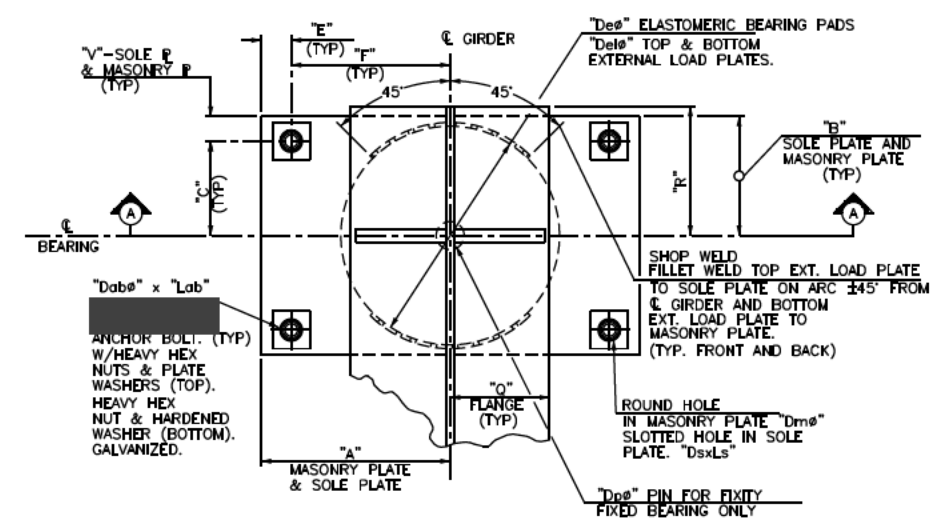


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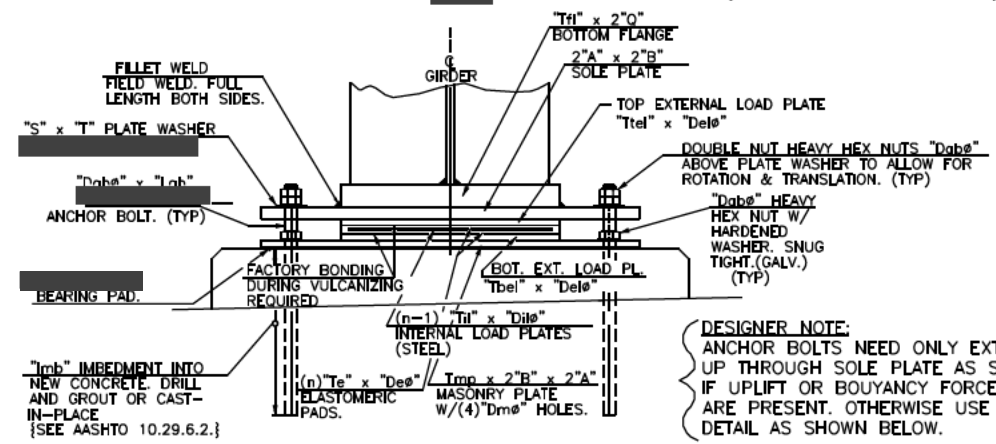
DESIGNED BY: JA

IN CHARGE OF: JA

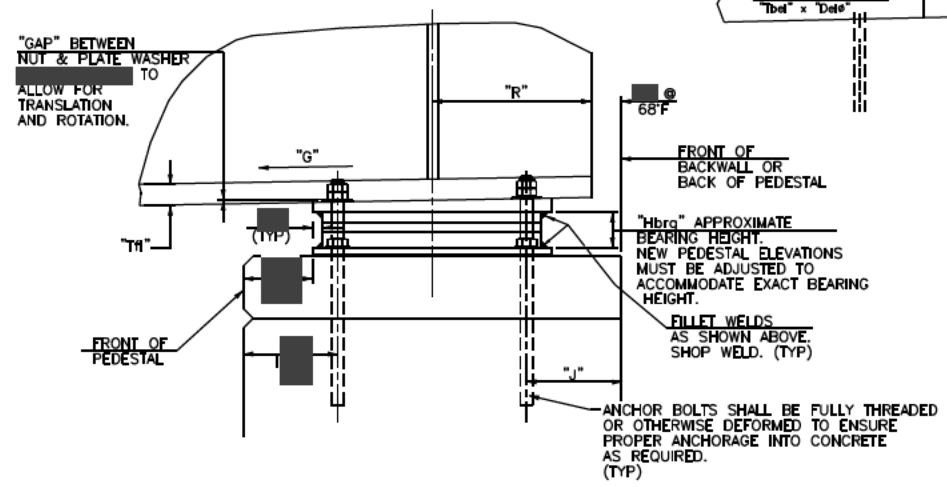


ELASTOMERIC BEARING  
PLAN VIEW

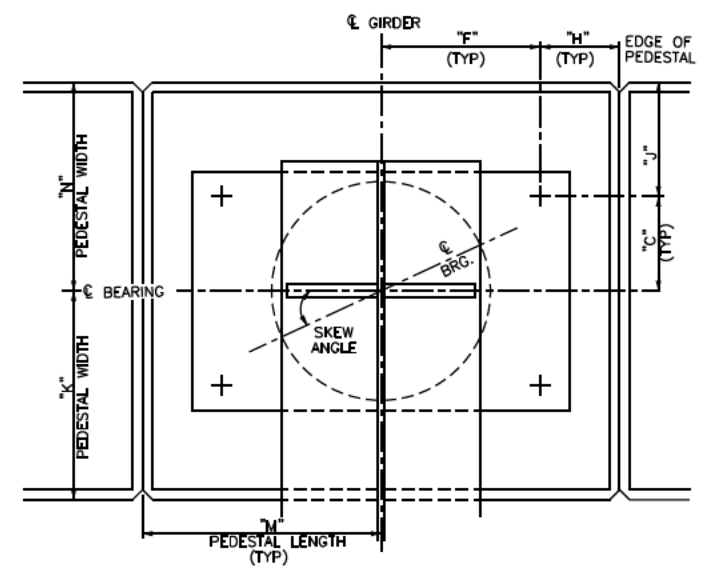
{DESIGNER SHALL INDICATE  
REQUIRED SIZE OF ALL WELDS. }



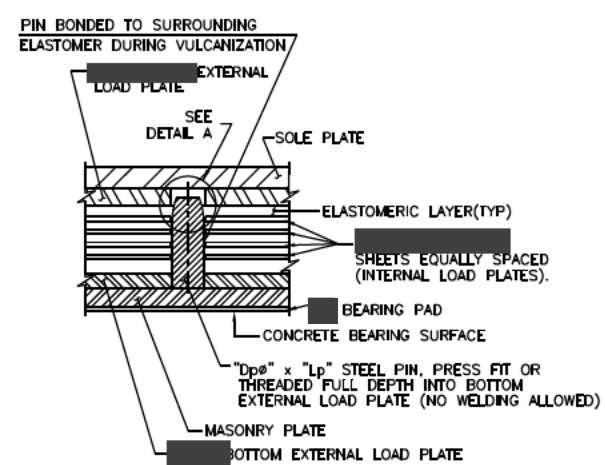
ELASTOMERIC BEARING  
SECTION A-A



ELASTOMERIC BEARING  
SIDE VIEW



TYPICAL BEARING ANCHOR  
BOLT LAYOUT



PIN DETAIL  
FOR FIXED ELASTOMERIC BEARING

\*\*HOLE SIZE IN SOLE PLATE  
DEPENDENT ON:  
AMOUNT OF ROTATION IN FIXED BEARINGS.  
AMOUNT OF TRANSLATION IN EXPANSION BEARINGS

SOLE PLATE										TOP EXTERNAL LOAD PLATE		BOTTOM EXTERNAL LOAD PLATE	
A	B	C	V	E	F	G	Tsp MIN.	Tsp MAX.	DsxLs**	Delø	Ttel	Delø	Tbel
#	#	#	#	#	#	#	#	#	#	#	#	#	#

INTERNAL LOAD PLATE(S)			ELASTOMERIC PAD(S)			PIN		MASONRY PLATE							
Dilø	Til	n-1	Deø	Te	n	Dpø	Lp	A	B	C	V	E	F	Dmø	Tmp
#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#

ANCHOR BOLTS			ASSUMED BEARING HEIGHT	SKEW ANGLE	PEDESTAL								FLANGE	
Imb	Dabø	Lab	Hbrg		C	F	H	J	K	N	M	Q	R	Tl
#	#	#	#	#	#	#	#	#	#	#	#	#	#	#

PLATE WASHER				
GAP	S	T	Tw	Dwø
#	#	#	#	#

{ NOTE: "{ }" INDICATES NOTES TO DESIGNER.  
DO NOT INCLUDE IN CONTRACT  
DRAWINGS. }

NOTES:

1. ANCHOR BOLTS, WASHERS AND NUTS SHALL BE GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF MATERIAL SPECIFICATIONS 719-01. "GALVANIZED COATING AND REPAIR METHODS". THEIR COST (INCLUDING GALVANIZING) SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BEARING ITEM. ANY ADJUSTMENTS IN ELEVATION NECESSARY TO ACCOMMODATE THE ACTUAL BEARING THAT IS SUPPLIED SHALL BE MADE BY CHANGING THE TOP OF THE PEDESTAL ELEVATIONS. THE MINIMUM PEDESTAL HEIGHT ALLOWED WILL BE NO CHANGE IN BRIDGE SEAT ELEVATION WILL BE ALLOWED WITHOUT WRITTEN APPROVAL OF THE D.S.D. IN LIEU OF CHANGING PEDESTAL ELEVATIONS THE CONTRACTOR MAY ELECT ONE OF THE FOLLOWING AT NO ADDITIONAL COST TO THE THRUWAY AUTHORITY:

AUSE A SHIM PLATE UNDER THE MASONRY PLATE. THE SIZE AND MATERIAL OF THE SHIM PLATE SHALL BE THE SAME AS THAT OF THE MASONRY PLATE. ONLY ONE SHIM PLATE SHALL BE PERMITTED AND MINIMUM THICKNESS SHALL BE INCREASE THE THICKNESS OF THE MASONRY PLATE.

2. THE HARDNESS (SHORE "A" DUROMETER) OF THE ELASTOMER MATERIAL SHALL BE

3. CONCRETE SURFACES UNDER THE BEARING SHALL CONFORM TO SECTION 565-3.02, "CONCRETE BEARING SURFACE PREPARATION" OF THE NEW YORK STATE STANDARD SPECIFICATIONS, CONSTRUCTION & MATERIALS.

4. THE COST OF FURNISHING THE ANCHOR BOLTS SHALL BE INCLUDED IN THE BEARING ITEM.

5. STEEL FOR THE BEARINGS SHALL BE / UNLESS OTHERWISE NOTED.

6. THE TEMPERATURE OF THE STEEL ADJACENT TO THE ELASTOMER SHALL NOT EXCEED 200°F. TEMPERATURE SHALL BE CONTROLLED BY WELDING PROCEDURES AND TEMPERATURE INDICATING CRAYONS OR OTHER DEVICES APPROVED BY THE THRUWAY AUTHORITY ENGINEER.

7. BEVELING OF PLATE WASHERS AND SOLE PLATES, WHERE REQUIRED TO MATCH THE FINISHED FLANGE GRADE, SHALL BE DONE AT INCREMENTS NO SMALLER THAN THE FLATTEST BEVEL DETAILED SHALL NOT BE LESS THAN MEASURED BETWEEN THE FRONT EDGE AND REAR EDGE OF THE PLATE.

8. THE BEARING PAD LOCATED BETWEEN THE MASONRY PLATE AND THE CONCRETE SURFACE SHALL BE SUPPLIED WITH THE BEARING DEVICE AND HAVE THE SAME FOOTPRINT SIZE AS THE MASONRY PLATE. THE BEARING PAD MATERIAL SHALL CONFORM TO N.Y.S. STANDARD SPEC. 728-01 OR 728-02.

9. THE COST OF INSTALLING THE ANCHOR BOLTS SHALL BE INCLUDED IN THE BEARING INSTALLATION ITEM.

10. THE SOLE PLATE, MASONRY PLATE, AND EXTERNAL LOAD PLATES (TOP & BOTTOM) SHALL BE SHOP METALIZED OR GALVANIZED (MANUFACTURER'S PREFERENCE). THE EXTERNAL LOAD PLATES SHALL BE BONDED TO THE ELASTOMERIC MATERIAL DURING VULCANIZATION. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE BEARING ITEM.

11. ELASTOMERIC BEARINGS AND ALL RELATED MATERIALS SHALL BE PAID FOR UNDER ITEM 565.20(21-35) - TYPE E.B. BEARING (XXXX TO XXXX Kips). {DESIGNER FILL-IN CORRECT ITEM #}

12. SHOP DRAWINGS SHALL BE SUBMITTED TO THE THRUWAY AUTHORITY FOR APPROVAL AND SHALL INCLUDE ALL WELDING AND BONDING PROCEDURES.

13. DESIGN CRITERIA:

14. THE CONTRACTOR SHALL SUPPLY AND INSTALL CIRCULAR ELASTOMERIC BRIDGE BEARINGS CONFORMING TO THE REQUIREMENTS OF THE BEARING ITEM SHOWN ON THIS SHEET.

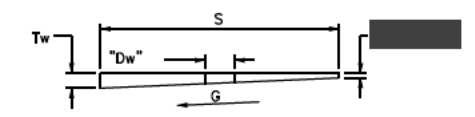
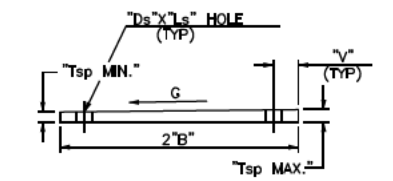


PLATE WASHER DETAIL  
BOLT LAYOUT

N.T.S.



SOLE PLATE DETAIL

PE STAMP &  
SIGNATURE ARE  
REQUIRED  
ON THIS SHEET.

DATE	DESCRIPTION	BY	SYM.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING 200 SOUTHERN BLVD., ALBANY, N.Y. 12209			
TITLE OF PROJECT TITLE OF PROJECT LINE 1 TITLE OF PROJECT LINE 2			
LOCATION OF PROJECT LOCATION OF PROJECT LINE 1 LOCATION OF PROJECT LINE 2			
TITLE OF DRAWING CIRCULAR ELASTOMERIC BEARING DETAILS			
CONTRACT NUMBER: TA		DATE: 3/10	
DRAWING NUMBER: *			