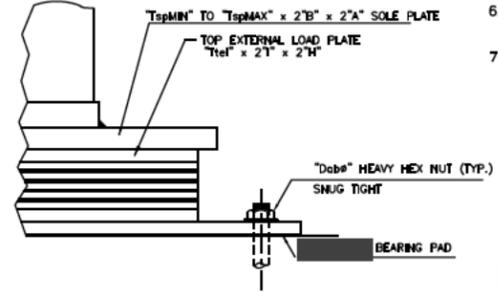
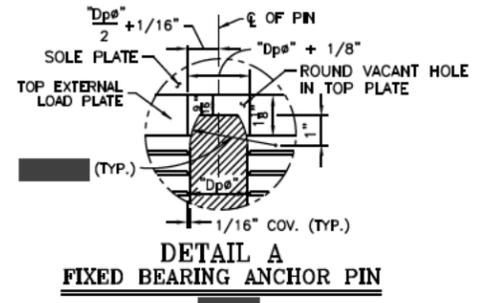
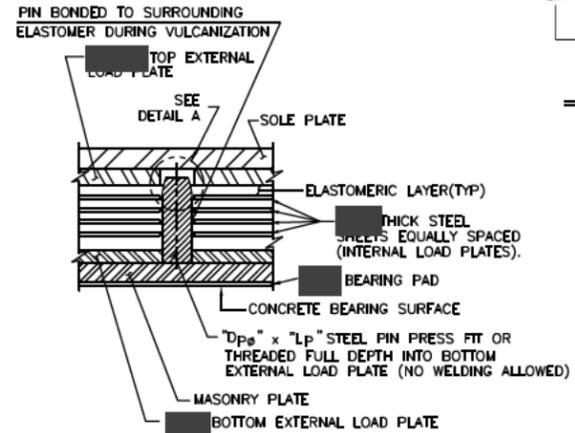


DESIGNER NOTE:
ANCHOR BOLTS NEED ONLY EXTEND UP THROUGH SOLE PLATE AS SHOWN IF UPLIFT OR BOUANCY FORCES ARE PRESENT. OTHERWISE USE THE DETAIL AS SHOWN BELOW.

NOTES:

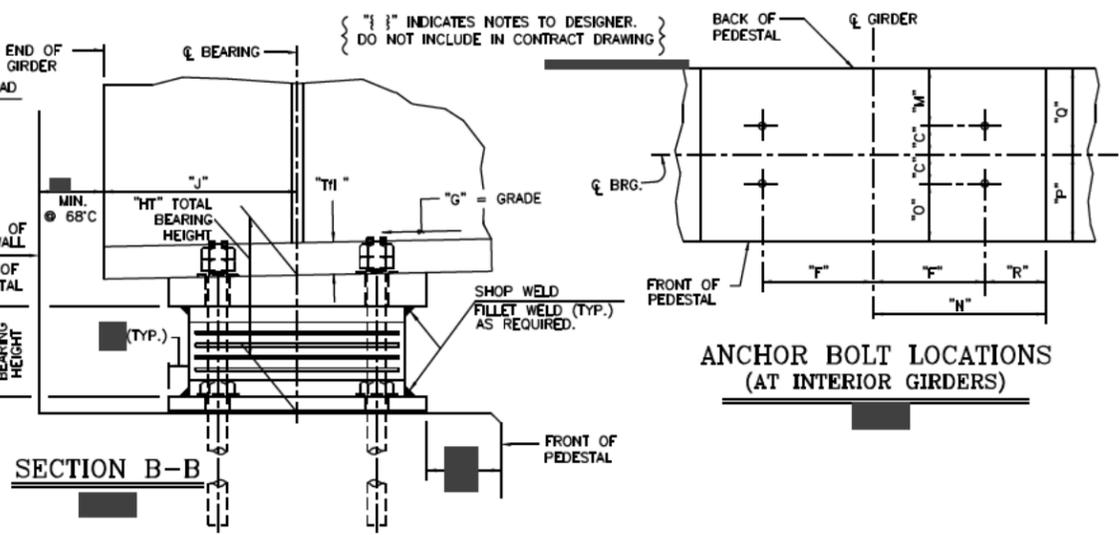
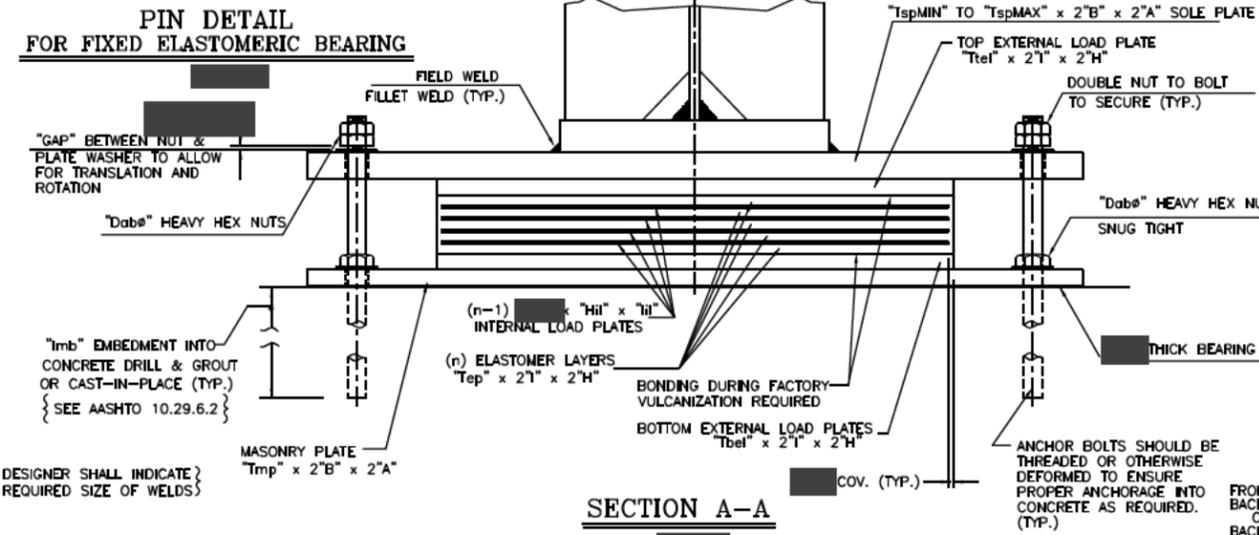
- ANCHOR BOLTS, WASHERS AND NUTS SHALL BE GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF MATERIAL SPECIFICATIONS 719-01. "GALVANIZED COATINGS AND REPAIR METHODS". THEIR COST (INCLUDING GALVANIZING) AND THE COST OF WASHER PLATES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BEARING ITEM.
- THE BEARINGS ARE DESIGNED SO THAT THE SUPERSTRUCTURE MAY BE ERECTED WHEN THE AMBIENT AIR TEMPERATURE IS WITHIN THE RANGE [REDACTED]
- THE HARDNESS (SHORE "A" DUROMETER) OF THE ELASTOMER MATERIAL SHALL BE [REDACTED]
- CONCRETE SURFACES UNDER THE BEARINGS SHALL CONFORM TO SECTION 565-3.02. "CONCRETE BEARING SURFACE PREPARATION" OF THE NEW YORK STATE STANDARD SPECIFICATIONS, CONSTRUCTION & MATERIALS. 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 [REDACTED]'. 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 AUTHORITY:
 - USE 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 THE MINIMUM THICKNESS SHALL BE [REDACTED]
 - INCREASE THE THICKNESS OF THE MASONRY PLATE.
- THE COST OF INSTALLING THE ANCHOR BOLTS SHALL BE INCLUDED IN THE BEARING INSTALLATION ITEM.
- STEEL FOR THE BEARINGS SHALL BE ASTM A709-06a GR50 UNLESS OTHERWISE NOTED.
- THE TEMPERATURE OF THE STEEL ADJACENT TO THE ELASTOMER SHALL NOT EXCEED [REDACTED] TEMPERATURE SHALL BE CONTROLLED BY WELDING PROCEDURES AND TEMPERATURE INDICATING CRAYONS OR OTHER DEVICES APPROVED BY THE ENGINEER.
- THE BEARING PAD LOCATED BETWEEN MASONRY PLATE AND THE CONCRETE SURFACE SHALL BE SUPPLIED WITH THE BEARING. THIS BEARING PAD SHALL 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.
- 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 BEARING ITEM.
- ELASTOMERIC BEARINGS AND ALL RELATED MATERIALS SHALL BE PAID FOR UNDER ITEM 565.20(21-35) - TYPE E.B. BEARING (XXX TO XXX kips). {DESIGNER SHALL INSERT} CORRECT ITEM No.
- SHOP DRAWINGS SHALL BE SUBMITTED TO THE THRUWAY AUTHORITY FOR APPROVAL AND SHALL INCLUDE ALL WELDING AND BONDING PROCEDURES.
- DESIGN CRITERIA: [REDACTED]
- THE CONTRACTOR SHALL SUPPLY RECTANGULAR ELASTOMERIC BRIDGE BEARINGS CONFORMING TO THE REQUIREMENTS OF THE BEARING ITEM SHOWN ON THIS SHEET.
- BEVELING OF PLATE WASHERS AND SOLE PLATES, WHERE REQUIRED TO MATCH THE FINISHED FLANGE GRADE, SHALL BE DONE AT INCREMENTS NO SMALLER THAN [REDACTED] THE FLATTEST BEVEL DETAILED SHALL NOT BE LESS THAN [REDACTED] MEASURED BETWEEN THE FRONT EDGE AND REAR EDGE OF THE PLATE.

PE STAMP & SIGNATURE ARE REQUIRED ON THIS SHEET.



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

SOLE PLATE										PLATE WASHER				TOP EXTERNAL LOAD PLATE		BOTTOM EXTERNAL LOAD PLATE				
Tsp MIN.	Tsp MAX.	A	B	C	S	E	F	G	DaxLs	X	Y	Tw	Dw#	G	H	I	Tfel	H	I	Tbel
#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
INTERNAL LOAD PLATES		ELASTOMERIC PADS				PIN		MASONRY PLATE				ANCHOR BOLTS								
III	II	n-1	H	I	Tap	n	Dp#	Lp	A	B	C	S	E	F	Tmp	Dmp#	Dab#	Lab	lmb	
#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
PEDESTAL					FLANGE			ASSUMED BEARING HEIGHT Hbrg	ASSUMED TOTAL HEIGHT HT	SKEW ANGLE										
C	F	M	N	O	P	Q	R	J	K	TH	#	#	#							
#	#	#	#	#	#	#	#	#	#	#	#	#	#							



ANCHOR BOLT LOCATIONS (AT INTERIOR GIRDERS)

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
RECTANGULAR ELASTOMERIC BEARING DETAILS

CONTRACT NUMBER: TA

DATE: 3/10

DRAWING NUMBER: *

DRAFTED BY: IA
DESIGNED BY: IA
IN CHARGE OF: IA