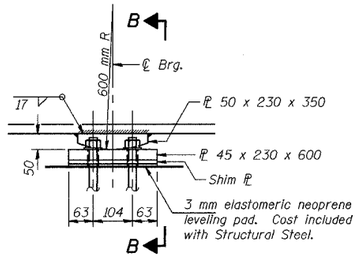
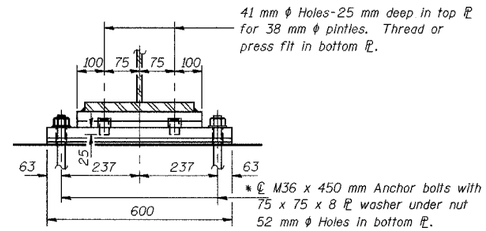
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80/94	2626.2-R-1-2	LAKE COUNTY, INDIANA	452	277
	ILLINOIS	FED. AID PROJECT-		

SHEET NO. S-45
72 SHEETS

CONTRACT NO. 62113 INDOT DES. NO. 0100987

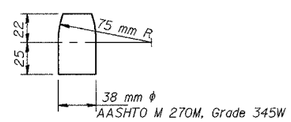


ELEVATION AT PIER

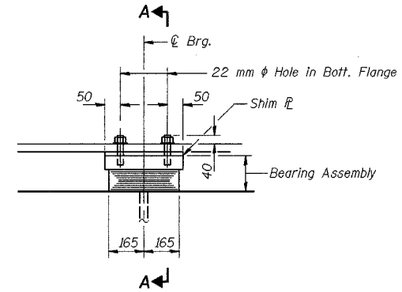


SECTION B-B

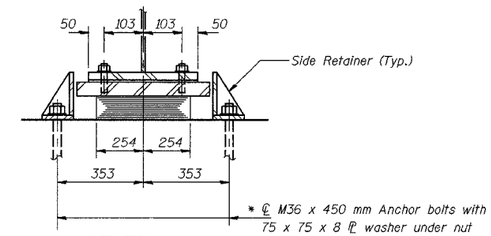
FIXED BEARING AT PIER 4



PINTLE



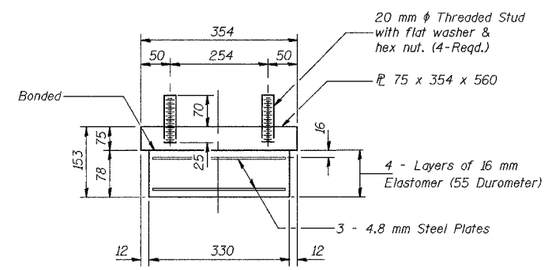
ELEVATION AT ABUT.



SECTION A-A

TYPE I ELASTOMERIC EXP. BRG. AT PIER 5

Notes: Anchor bolts at fixed bearings may be built into the masonry.
See Sheet S-47 for Anchor Bolt Installation.
All dimensions are in millimeters (mm) except as noted.

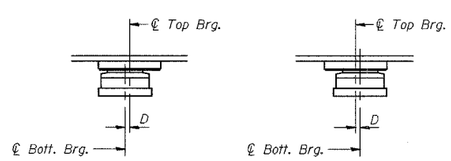


BEARING ASSEMBLY

Note: Shim plates shall not be placed under Bearing Assembly.

Note: The 3 mm TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of 3 mm TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

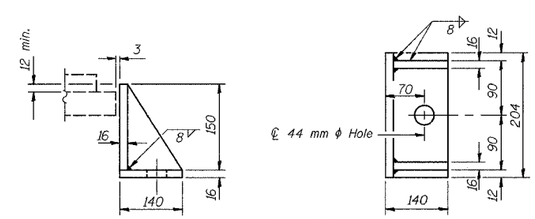


BELOW 10 °C
(Move bott. brg. away from fixed brg.)

ABOVE 10 °C
(Move bott. brg. toward fixed brg.)

SETTING ANCHOR BOLTS AT EXP. BRG.

D= 1 mm per each 10 m of expansion for every 8 °C temp. change from the normal temp. of 10 °C.



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.
Mass included with Structural Steel.

BILL OF MATERIAL

Item	Unit	Total
* Furnishing Elastomeric Bearing Assembly, Type I	Each	28

DESIGNED	BHS
CHECKED	KFA
DRAWN	MJB
CHECKED	GSP

*** FURNISHING BEARINGS AND ANCHOR BOLTS FOR BEARINGS ERECTED IN PHASE 3 ARE NOT INCLUDED IN THIS CONTRACT**

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (BORMAN EXPRESSWAY)
OVER LITTLE CALUMET RIVER & N.I.C.T.D. R.O.W.

BEARING DETAILS (4 OF 5)
SECTION 2626.2-R-1
LAKE COUNTY, INDIANA
STATION 8+470.000
STRUCTURE NO. I-80-1-8460 (EB & WB)
DATE 07/04 **(016-1003 & 016-1004)**

AMERICAN CONSULTING ENGINEERS