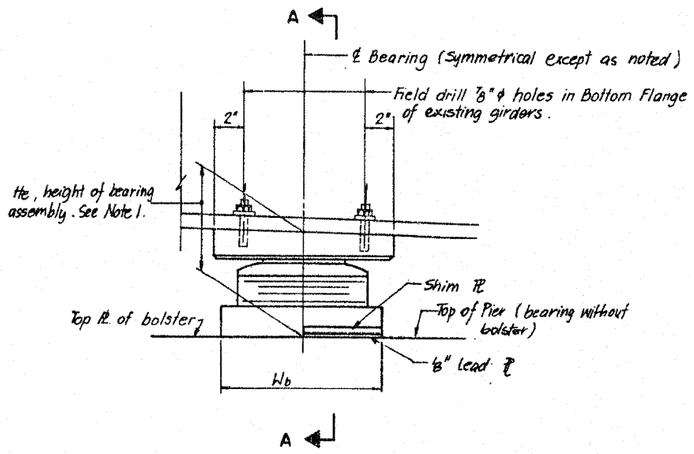
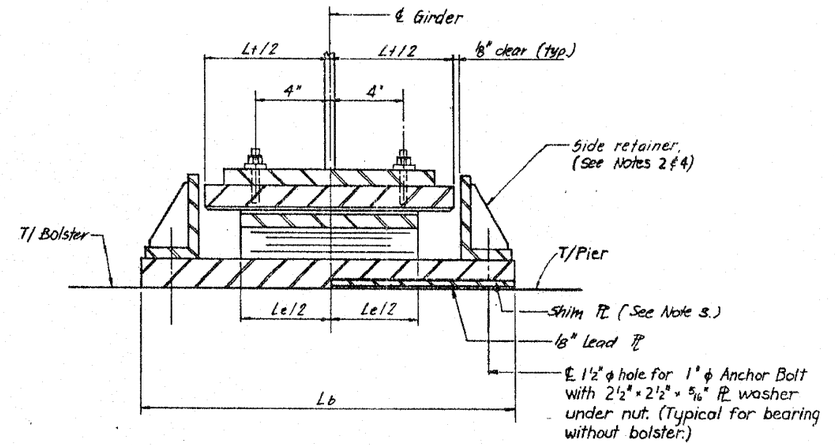


TYPICAL ELEVATION

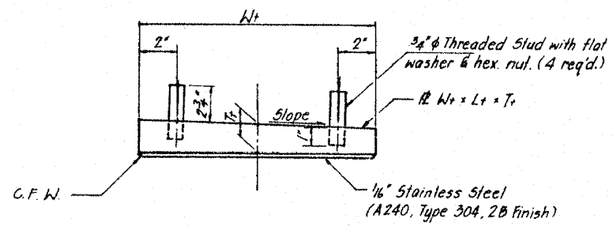


SECTION A-A

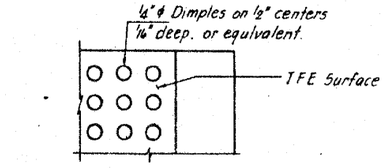
W_e	L_e	SERIES	T_p	N_p	T_s	N_s	T_e
9	12	b	5/8	7	3/32	6	4 1/16
10	14	a	7/16	5	1/8	4	3 3/16
11	16	a	1/2	4	1/8	3	3/4

T_p - denotes thickness of each elastomeric layer
N_p - denotes number of elastomeric layers
T_s - denotes thickness of each steel plate
N_s - denotes number of steel plates

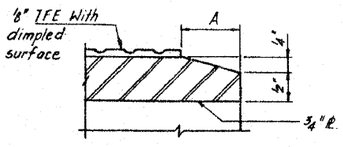
TYPE II TFE ELASTOMERIC EXPANSION BEARING



TOP BEARING ASSEMBLY



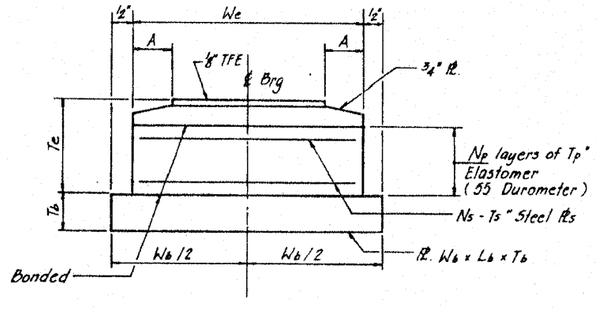
PLAN-TFE SURFACE



SECTION THRU TFE

Note: The 1/8" 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 surface

Bonding of 1/8" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.



BOTTOM BEARING ASSEMBLY

W_e	6"	7"	9"	10"	11"	12"
A	1"	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"

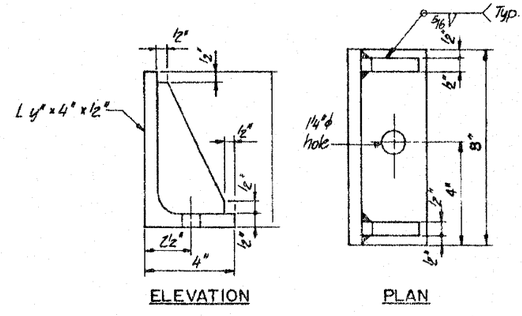
TYPE II ELASTOMERIC BEARING SCHEDULE

STRUCTURE NO.	PIER LOCATION	GIRDER NO.	W_e	L_e	SERIES	TOP PLATE T_t	TOP PLATE W_t	TOP PLATE L_t	TOP PLATE SLOPE %	BOTTOM PLATE T_b	BOTTOM PLATE W_b	BOTTOM PLATE L_b	y	H_E	NO. REQ'D	REMARKS
016-1113	10(N)	GR-1 → GR-11	11	16	a	2 1/2	12	18	2.6	1	12	26 1/2	⊛	⊛	11	R, B
	C3(N)	GC1 → GC7	11	16	a	1 7/8	11 3/4	18	2.6	1 1/8	12	26 1/2	6	6 7/16	7	R
		G1-C	11	16	a	1 7/8	11 3/4	18	2.6	1 1/8	12	26 1/2	6	6 7/16	1	N
	C6(S)	GC-2 → GC-12	10	14	a	2 1/2	11	16	2.6	1 1/2	11	24 1/2	7	7 3/4	11	R
		G1-C, G2-C	10	14	a	2 1/2	11	16	2.6	1 1/2	11	24 1/2	7	7 3/4	11	N
	C10(S)	G3-C	9	12	b	2	10	14	2.1	1	10	22 1/2	⊛	⊛	1	N, B
	C10(N)	G1-C	9	12	b	2	10 1/4	14	2.1	1	10	22 1/2	⊛	⊛	1	N, B

Remarks: B - Bolster required. See Bolster Schedule and Details.
R - Replacement bearings for existing girders.
N - New bearings for Roadway Widening
⊛ - See Bolster Schedule for y and H_E dimensions.

ALL MATERIALS SHOWN ON THIS SHEET ARE FURNISHED UNDER A SEPARATE SUPPLY CONTRACT (SECTION 1988-004 I), UNLESS NOTED OTHERWISE.

NOTES:
1. Height of bearing assembly, H_E, includes top plate, elastomeric assly, bottom plate, and 1/8" lead plate. H_E does not include shim plate.
2. Side retainer details for bearings located on top of pier are shown on this sheet. For bearings requiring a bolster, see bolster details for side retainer details.
3. See shim thickness schedule for required shims.
4. For Bearings without Bolster the Side Retainer shall be tack welded as shown after the girder and bearing assembly have been set into their final position.



ELEVATION PLAN

SIDE RETAINER DETAILS

FILE NAME =	USER NAME = rgall	DESIGNED - AMR	REVISED -
		DRAWN - AMR	REVISED -
	PLOT SCALE = 1.0000 ' / IN.	CHECKED - JMH	REVISED -
	PLOT DATE = 3/28/2011	DATE - MARCH, 2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPE II ELASTOMERIC EXPANSION BEARING DETAILS – LOCATION 1
STRUCTURE NO. 016-1113

SCALE: NTS | SHEET NO. 37 OF 40 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2010-127-BP	COOK	160	43
		CONTRACT NO. 60N01		
	ILLINOIS FED. AID PROJECT			