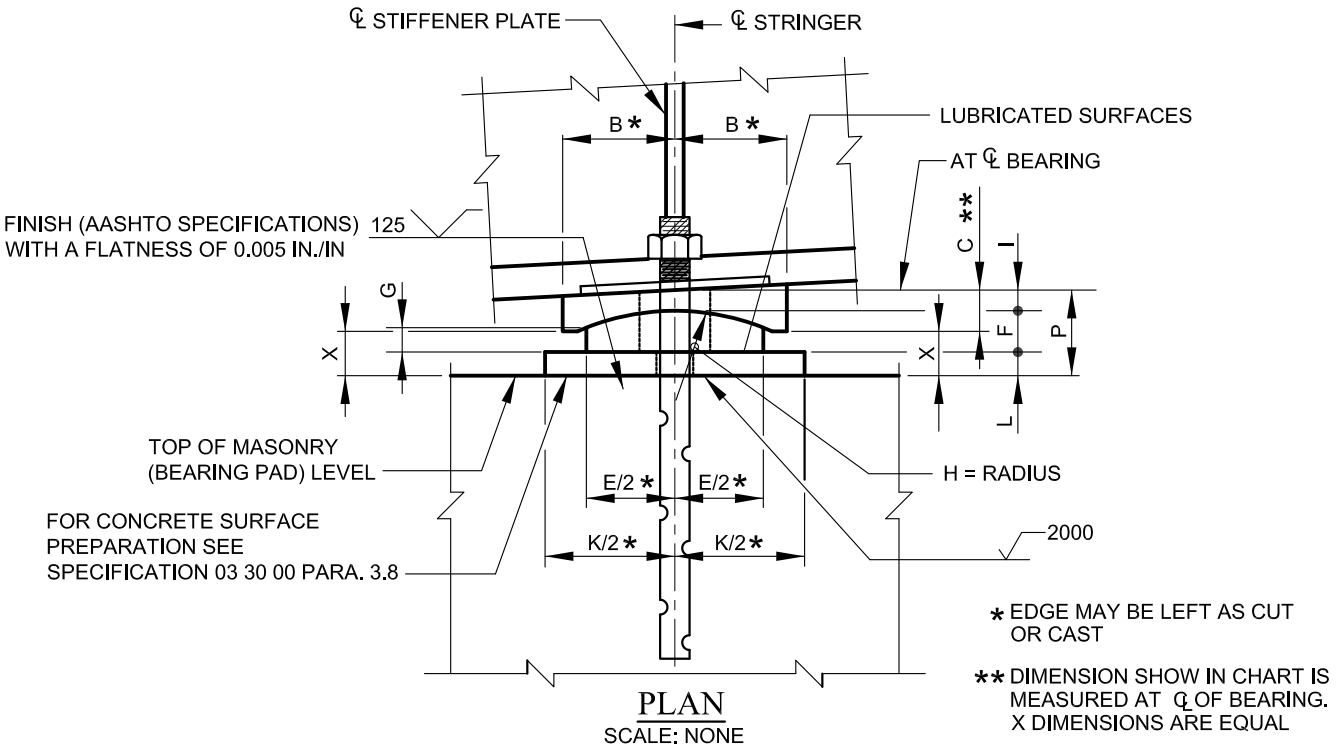

PLAN
SCALE: NONE

DATA SCHEDULE

TYPE	SOLE PLATE			SLIDING PLATE				RADIUS	MASONRY PL			HOLE LOC.		HGT.	LOADS (KIPS)			TOTAL EXPANSION ± (0° F - 120°)
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	VERT.	HORIZ.	DEAD	
ME36 - I	21	9 ½	1 ¾	20	7 ½	1 ¾	1 ±	11	21	11	1	8 ½	1 ½	3 ¾	145	10	70	1 ½
ME36 - II	23	10 ½	1 ⅞	22	8 ½	1 ¾	1 ±	12	23	12	1	9 ½	1 ½	3 ¾	185	15	90	1 ½
ME36 - III	25	11 ½	2	24	9 ½	1 ¾	1 ±	15	25	13	1	10 ½	1 ½	3 ¾	225	20	110	1 ½
ME36 - IV	26	14 ½	2 ⅛	25	12 ½	2	1 ±	18	26	16	1	11	2	4	310	30	155	2 ½
ME36 - V	29	15 ½	2 ⅜	28	13 ½	2 ¼	1 ±	18	29	17	1 ½	12 ½	2	4 ¾	375	35	185	2 ½
ME36 - VI	30	16 ½	2 ½	29	14 ½	2 ⅜	1 ±	19	30	20	1 ½	13	2 ½	4 ⅞	420	40	210	3 ½
ME36 - VII	31	18 ½	2 ½	30	15 ½	2 ⅜	1 ±	22	31	23	2	13 ½	3	5 ⅜	460	45	230	4 ½
ME36 - VIII	32	19 ½	2 ⅝	31	16 ½	2 ½	1 ±	23	32	24	2 ½	14	3 ½	6	510	50	255	5 ½

NOTE: ALL DIMENSIONS ARE IN INCHES.

NOTE:

1. SOLE AND MASONRY PLATES TO BE ASTM A 709 GRADE 50 STEEL PAINTED TO MATCH FINISHED BRIDGE COLOR, CONVEX PLATE SHALL BE A SELF LUBRICATING BRONZE BEARING PLATE CONFORMING TO SPECIFICATION 03 15 15.
2. FILL SLOTS AND HOLES AROUND ANCHOR BOLTS WITH NONHARDENING CAULKING COMPOUND OR ELASTIC JOINT SEALER.
3. 1000 RMS (FINISH ALL OVER) EXCEPT WHERE OTHERWISE NOTED.
4. ROTATION ½° ± MAXIMUM.
5. DESIGN MASONRY BEARING LOAD 1.0 KSI.
6. TOP OF SOLE PLATE MUST BE BEVELED TO FIT GRADE OF BOTTOM FLANGE.
7. UNLESS OTHERWISE NOTED, BEARINGS SHALL BE PLACED NORMAL TO ℄ OF STRINGER.
8. PLATES ARE TO BE SHIPPED AS UNITS.
9. IF MORE THAN ONE SIZE BEARING IS CALLED FOR, CONTRACTOR MAY FURNISH ALL BEARINGS OF LARGER SIZE PROVIDED THE BEARING PADS ARE ALTERED TO ACCOMMODATE SAME. NO INCREASE IN ANY PRICES BID WILL BE ALLOWED IF THIS OPTION IS SELECTED.
10. ALL ANCHOR BOLTS AND WASHERS SHALL BE UNPAINTED ASTM A 709 GRADE 36 GALVANIZED STEEL. ALL NUTS SHALL BE UNPAINTED ASTM A 307 GALVANIZED STEEL.
11. MEDIUM SPAN RANGE IS CONSIDERED 50' TO 150' SIMPLE SPAN LENGTHS AND COMPARABLE SPAN CONTINUOUS UNITS.

APPROVED:

DIVISION CHIEF, TRANSPORTATION ENGINEERING AND CONSTRUCTION

DIRECTOR, DEPARTMENT OF TRANSPORTATION

CITY OF BALTIMORE
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION ENGINEERING AND CONSTRUCTION

ISSUED	REVISED	REVISED
8 / 2010		

BRONZE EXPANSION BEARING MEDIUM LENGTH SPANS (GRADE 50 STEEL)

STANDARD NO.
BC 463.01-2

SCALE : NONE