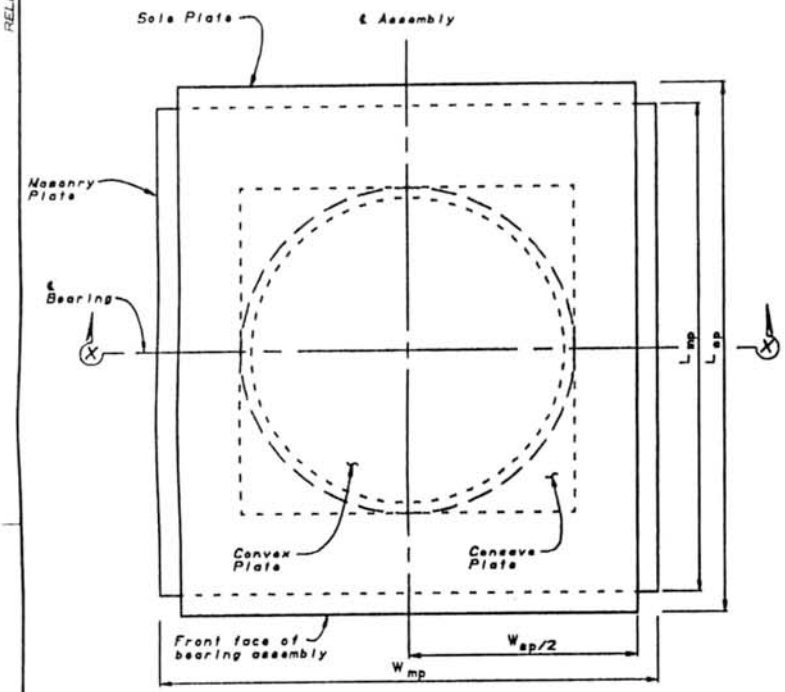
RELEASED 5-11-94

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED ENGINEER - CIVIL

REGISTERED PROFESSIONAL ENGINEER — Exp. — CIVIL — STATE OF CALIFORNIA

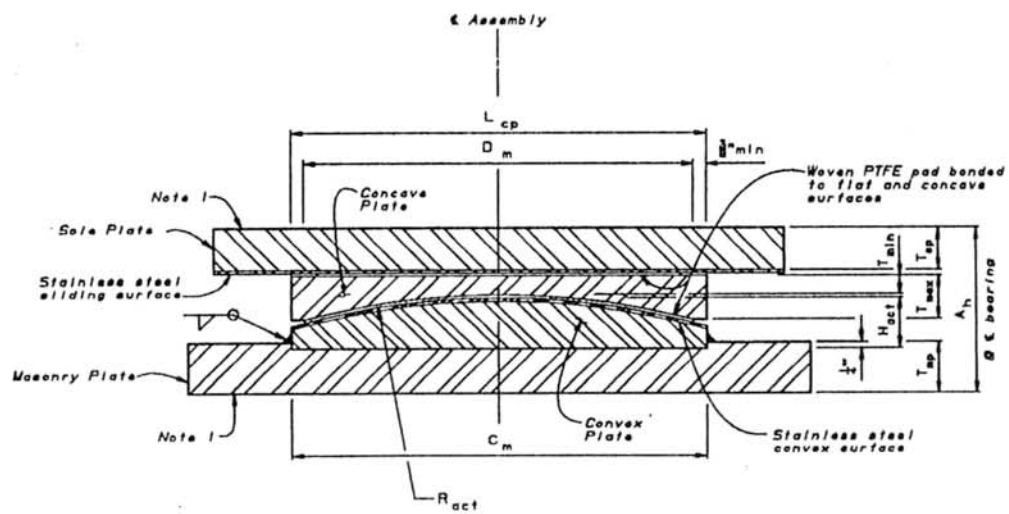
PLANS APPROVAL DATE



PLAN
No scale

EXPANSION BEARING TABLE

LOCATION	MAXIMUM VERTICAL LOAD (Kips)	MINIMUM DEAD LOAD (Kips)	DESIGN ROTATION (Degrees)	CONCAVE PLATE						CONVEX PLATE		MASONRY PLATE			SOLE PLATE			ASSEMBLY HEIGHT
				WIDTH / LENGTH	FLAT PTFE AREA (in^2)	DIAMETER	SPHERICAL RADIUS	MINIMUM THICKNESS	MAXIMUM THICKNESS	DIAMETER	MAXIMUM THICKNESS	WIDTH	LENGTH	THICKNESS	WIDTH	LENGTH	THICKNESS	
				L_{cp}	A_{PTFE}	D_m	R_{act}	T_{min}	T_{max}	C_m	H_{act}	W_{mp}	L_{mp}	T_{mp}	W_{sp}	L_{sp}	T_{sp}	A_h
Hinge 3	321	271	2	12.125	95	11.00	23.75	0.75	1.625	12.625	1.60	15.00	15.00	1.00	16.00	27.00	1.75	5.10



SECTION X-X
No scale

Notes:

1. Anchorage method not shown.
2. All units in inches unless otherwise noted.
3. All dimensions shown are steel only unless otherwise noted.
4. H_{act} includes stainless steel.
5. A_h includes PTFE, substratum and stainless steel, (varies).
6. R_{act} is to sliding surface.

STANDARD DRAWING			
FILE NO. XS 12-60	DESIGN Roberto Lucello	CHECKED Robert E. Travis	APPROVED (REGISTERED CIVIL ENGINEER)
DRAWING DATE 11/93	DETAILS John Tjselker	CHECKED Roberto Lucello	DESIGN SUPERVISOR
	SUBMITTED BY Roberto Lucello		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN

CU
EA

EXAMPLE 4

PTFE/SPHERICAL EXPANSION BEARING DETAILS

DS (REV. 8-94) (CADD 8-94)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3