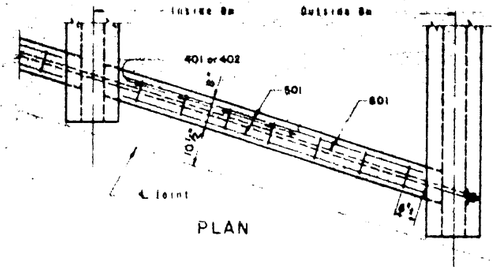
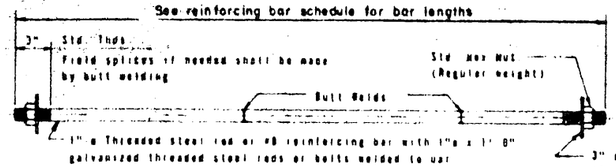
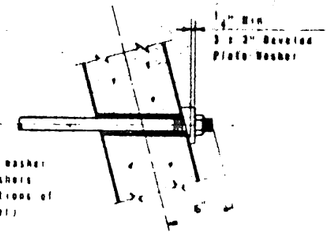


PLAN



NOTE After fabrication the nuts plates sleeves and not less than 10" of each end of the threaded bar shall be galvanized Plate washers nuts and pipe sleeves are to be considered subsidiary to reinforcing steel

BARS 801 (FOR NORMAL DIAPHRAGMS)



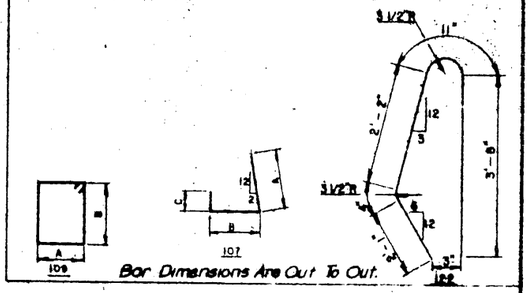
BARS 801
(SKEWS THRU. 15°)

NOTE See span details for skew angles of diaphragms to beams.

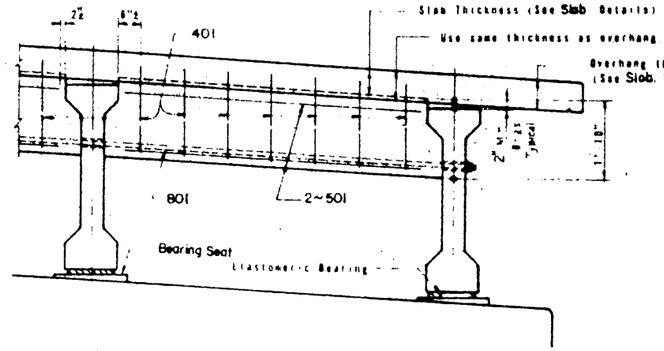
REINFORCEMENT BAR SCHEDULE

MARK	NO. REQ'D.	LENGTH	TYPE	DIMENSIONS A	B	C	D or R	WEIGHT
DIAPHRAGM 401	32	5'-4"	109	0'-4½"	1'-11½"			114
402	16	6'-0"	109	0'-4½"	2'-3½"			64
501	112	1'-3"	STR.					146
801	6	14'-3"	STR.					228
							TOTAL	552
PARAPET CORNER 502	8	2'-4"	107	1'-2"	1'-2"	0'-0"		19
503	8	9'-2"	122					76
504	4	1'-6"	107	0'-9"	0'-9"	0'-0"		6
505	8	3'-6"	107	1'-9"	1'-9"	0'-0"		29
510	4	2'-2"	107	1'-1"	1'-1"	0'-0"		9
							TOTAL	285

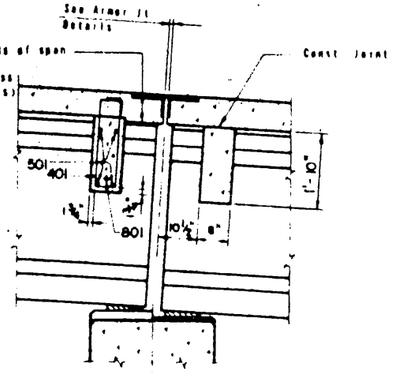
BAR BENDING DIAGRAMS



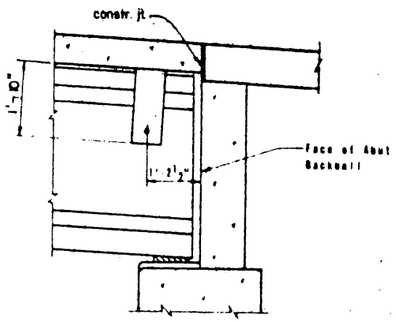
Bar Dimensions Are Out To Out.



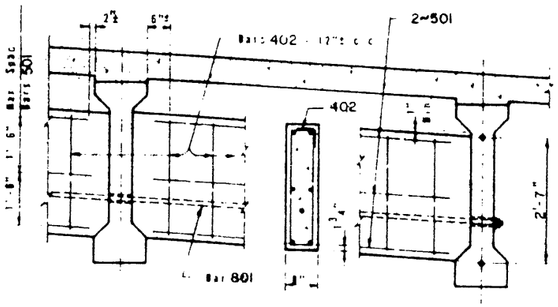
ELEVATION ~ END DIAPHRAGMS



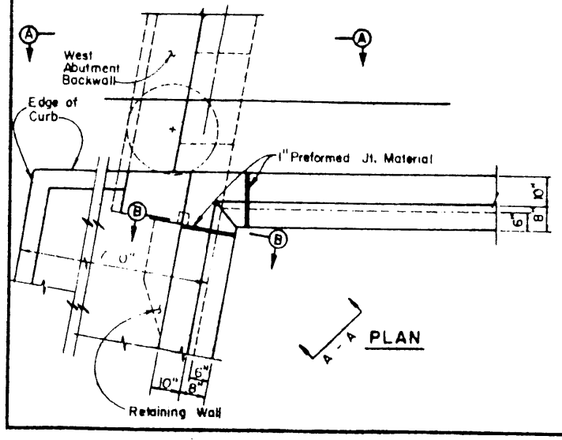
SEC. THRU. END DIAPHRAGMS AT ARMOR JT.



SEC. THRU. STRUCTURE AT ABUTMENT



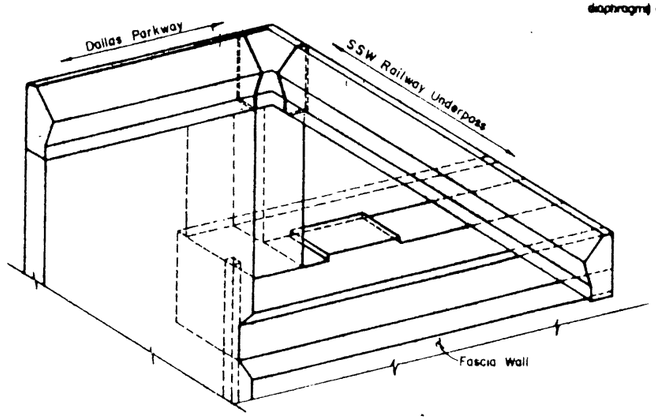
ELEV. ~ INTERIOR DIAPHRAGMS



GENERAL DIAPHRAGM NOTES:

All cast in place concrete shall be Class C unless otherwise shown on span details.

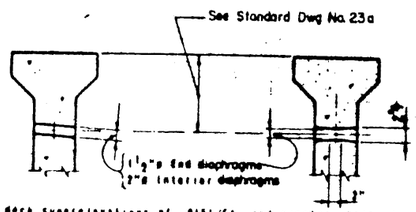
No concrete shall be placed in the bridge slab until the diaphragms are in place, the diaphragm concrete has reached a minimum flexural strength of 388 p.s.i., and the nuts of Bars 801 have subsequently been firmly tightened.



VIEW A-A

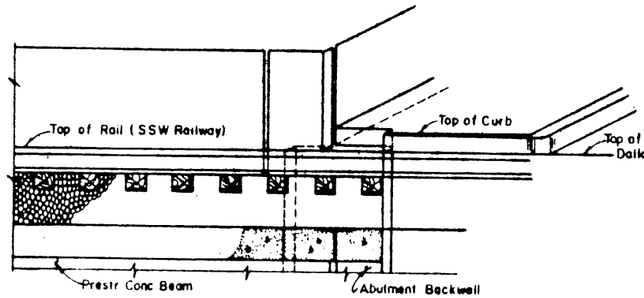
RETAINING WALL TO UNDERPASS STRUCTURE CONNECTION DETAILS

Southwest Corner Shown; Other Corners Similar

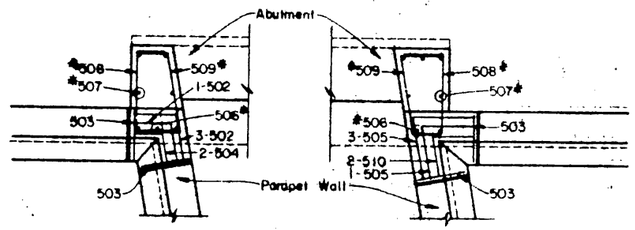


For deck superelevations of .015 ft/ft and greater, holes for diaphragms shall be formed parallel to roadway surface. Holes for square (end-diaphragms) may be formed with a double taper as shown

DIAPHRAGM HOLE DETAILS

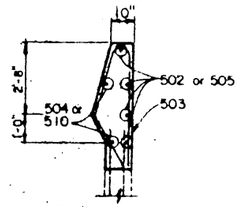


SECTION A-A



PARAPET CORNER TREATMENT DETAILS

*See Abutment Details



SECTION B-B

NO.	REVISION	BY	DATE

TEXAS TURNPIKE AUTHORITY

DALLAS NORTH TOLLWAY

SSW RAILWAY UNDERPASS

MISCELLANEOUS DETAILS

Turner Collie & Braden Inc. Consulting Engineers — SECTION VI

DESIGN BST DATE 7-83 DETAILED JRA DATE 6-83

CHECKED JRA DATE 7-83 SCALE NONE

CONTRACT NO. DNT-114 SHEET S-62 OF S-82

C04130