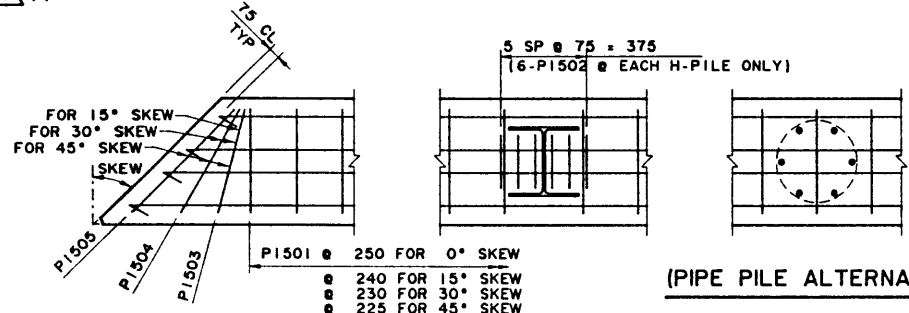


2. DATA FOR STANDARD SM PRECAST GIRDER BRIDGES

DATA FOR STANDARD SM PRECAST GIRDER BRIDGES																										
CLEAR ROADWAY (GIRDERS PER SPAN)			7 600 [7]				8 800 [8]				10 000 [9]				11 200 [10]				12 500 [11]				13 700 [12]			
GENERAL	SKEW		0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°
	OVERALL WIDTH	A	8 700	9 006	10 046	12 304	9 900	10 250	11 432	14 000	11 100	11 492	12 818	15 698	12 300	12 734	14 202	17 394	13 600	14 080	15 704	19 234	14 800	15 322	17 090	20 930
	CROWN	B	87	87	87	87	99	99	99	99	111	111	111	111	123	123	123	123	136	136	136	136	148	148	148	148
	DIFFERENTIAL FOR ROADWAY GRADE OF	C	0	23	50	87	0	27	57	99	0	30	64	111	0	33	71	123	0	36	78	136	0	40	85	141
PILES	2 %		0	47	100	174	0	53	114	198	0	60	128	222	0	66	142	246	0	73	157	272	0	79	171	296
	3 %	D	0	70	151	261	0	80	172	297	0	90	192	333	0	99	213	369	0	109	236	408	0	119	256	444
	ABUT WING PROJECTION	E	1 200	1 250	1 400	1 700	1 200	1 250	1 400	1 700	1 200	1 250	1 400	1 700	1 200	1 250	1 400	1 700	1 200	1 250	1 400	1 700	1 200	1 250	1 400	1 700
	ABUT WING PILE LOCATION	F	1 300	1 350	1 500	1 850	1 300	1 350	1 500	1 850	1 300	1 350	1 500	1 850	1 300	1 350	1 500	1 850	1 300	1 350	1 500	1 850	1 300	1 350	1 500	1 850
DOVELS	MAIN PILE NUMBER	G	5	5	5	5	6	6	6	6	6	6	6	6	7	7	7	7	8	8	8	8	8	8	8	8
	SPACING	H	1 650	1 708	1 905	2 333	1 650	1 708	1 905	2 333	1 650	1 708	1 905	2 333	1 650	1 708	1 905	2 333	1 650	1 708	1 905	2 333	1 650	1 708	1 905	2 333
	END DISTANCE	I	1 050	1 087	1 213	1 486	1 050	1 087	1 213	1 486	1 050	1 087	1 213	1 486	1 050	1 087	1 213	1 486	1 050	1 087	1 213	1 486	1 050	1 087	1 213	1 486
	NUMBER PER LINE	J	7	7	7	7	8	8	8	8	8	8	8	8	9	9	9	9	10	10	10	10	10	10	10	10
REINFORCING ONE ABUTMENT	SPACING	K	1 210	1 253	1 397	1 711	1 210	1 253	1 397	1 711	1 210	1 253	1 397	1 711	1 210	1 253	1 397	1 711	1 210	1 253	1 397	1 711	1 210	1 253	1 397	1 711
	END DISTANCES	L	830	859	959	1 174	830	859	959	1 174	830	859	959	1 174	830	859	959	1 174	830	859	959	1 174	830	859	959	1 174
	NUMBER OF STIRRUPS	A1001	74	76	85	103	76	78	87	105	74	76	85	103	74	76	85	103	74	76	85	103	74	76	85	103
	LENGTH OF MAIN BARS	A2501	12 000	12 000	12 000	12 000	12 000	12 000	12 000	12 000	12 000	12 000	12 000	12 000	12 000	12 000	12 000	12 000	12 000	12 000	12 000	12 000	12 000	12 000	12 000	12 000
REINFORCING ONE PIER	NUMBER	A2502	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	LENGTH	A2502	2 840	3 350	4 990	8 550	4 040	4 590	6 380	10 240	5 240	5 840	7 760	11 940	6 440	7 080	9 150	14 470	7 740	8 420	10 650	16 390	8 940	9 670	12 660	19 230
	NUMBER	A2502	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	NUMBER OF WING BARS	W1501	5	5	6	7	5	5	6	7	5	5	6	7	5	5	6	7	5	5	6	7	5	5	6	7
	NUMBER OF DOWELS	Z2001	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12
	NUMBER OF DOWELS	E2501	30	30	30	30	36	36	36	36	36	36	36	36	42	42	42	42	48	48	48	48	48	48	48	48
	NUMBER OF STIRRUPS	P1501	35	38	44	56	40	43	49	63	45	48	55	70	49	53	60	76	54	58	66	83	59	63	72	90
	NUMBER	P1502	30	30	30	30	36	36	36	36	36	36	36	36	42	42	42	42	48	48	48	48	48	48	48	48
	LENGTH OF MAIN BARS	P2501	8 550	8 850	9 900	--	9 750	10 100	11 280	--	10 950	11 340	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	NUMBER	P2501	13	13	13	--	13	13	13	--	13	13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	LENGTH	P2502	--	--	--	11 720	--	--	--	11 720	--	--	11 720	11 720	11 720	11 720	11 720	11 720	11 720	11 720	11 720	11 720	11 720	11 720	11 720	11 720
	NUMBER	P2502	--	--	--	13	--	--	--	13	--	--	13	13	13	13	13	13	13	13	13	13	13	13	13	13
LENGTH	P2503	--	--	--	1 730	--	--	--	3 420	--	--	2 240	5 120	1 720	2 160	3 630	6 820	3 020	3 500	5 130	8 660	4 220	4 750	6 510	10 350	
NUMBER	P2503	--	--	--	13	--	--	--	13	--	--	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
NUMBER OF DOWELS	Z2001	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	

2. OMIT FOR PIERS WITH PIPE PILES



2. (PIER END DETAIL)

(H-PILE ALTERNATIVE) 2.

2. C SECTION - REINFORCING DETAILS
S-1422 (FOR PIERS ONLY) N T S

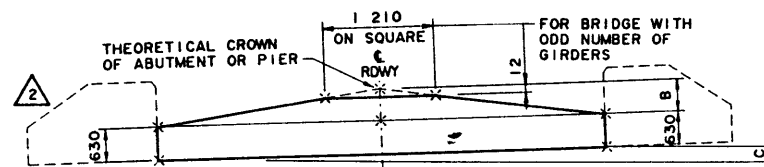
BAR LIST: FOR ABUTMENTS AND PIERS							
MARK	SIZE	TYPE	X	Y	LENGTH	* QTY	* MASS
A1001	10	D			1 880		
A2501	25	STR			12 000		
A2502	25	STR			L		
W1501	15	STR			12 000		
Z2001	20	STR			750		
E2501	25	STR			1 100		
P1501	15	C	400	480	2 040		
P1502	15	C	230	480	1 700		
P1503	15	C	415	480	2 070		
P1504	15	C	460	480	2 160		
P1505	15	C	565	480	2 370		
P2501	25	A	M		M + 560		
P2502	25	B	M = 11 720		12 000		
P2503	25	B	N		N + 280		

* L =
* M =
* N =

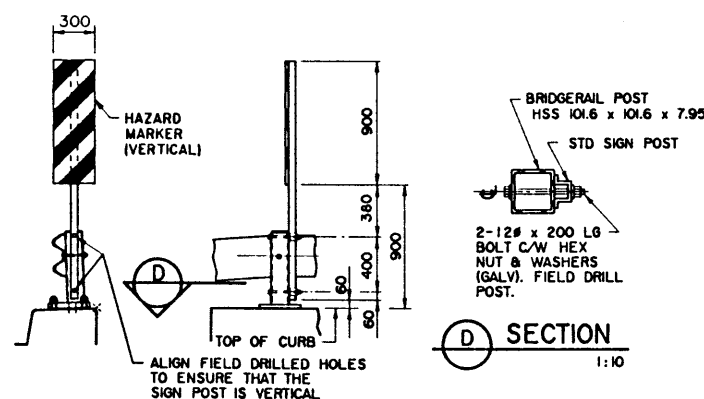
TOTAL kg =

* TO BE FILLED IN WHEN ORDERING MATERIAL FOR EACH BRIDGE.

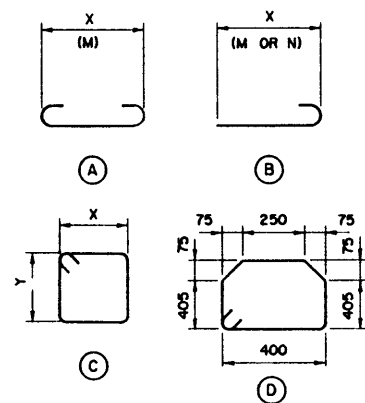
2. OMIT FOR PIERS WITH PIPE PILES



0 VERTICAL DIMENSIONING
S-1422 N T S

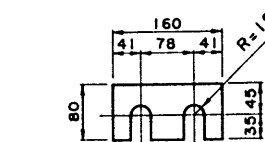


S HAZARD MARKER DETAILS
S-1422 (SHOWN AS FOR DEEP-BEAM BRIDGE RAIL) 1:25
2 REQ'D - RIGHT HAND
2 REQ'D - LEFT HAND



BAR TYPES

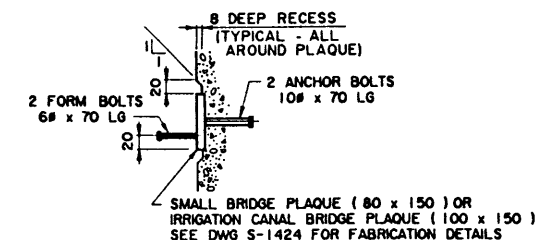
(ALL BAR DIMENSIONS ARE OUT TO OUT) N T S



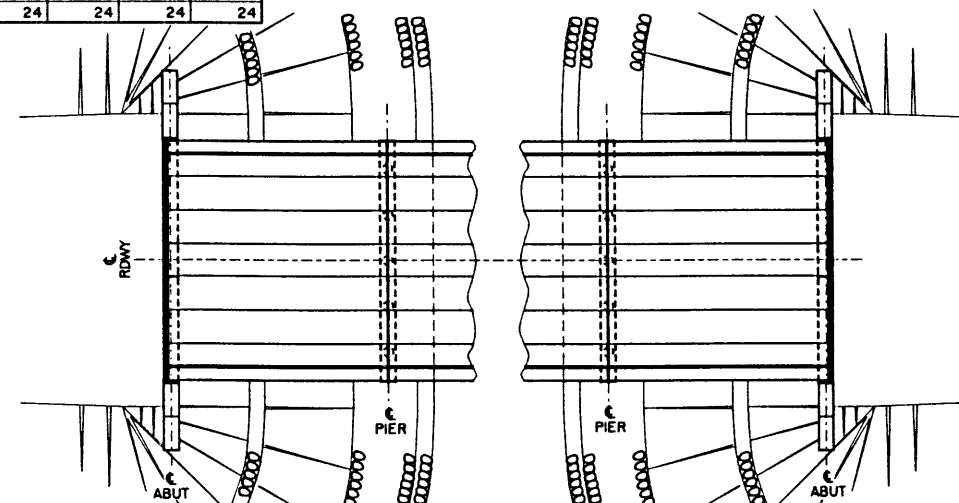
HOT DIP GALVANIZE AFTER FABRICATION

DROP-IN WASHER

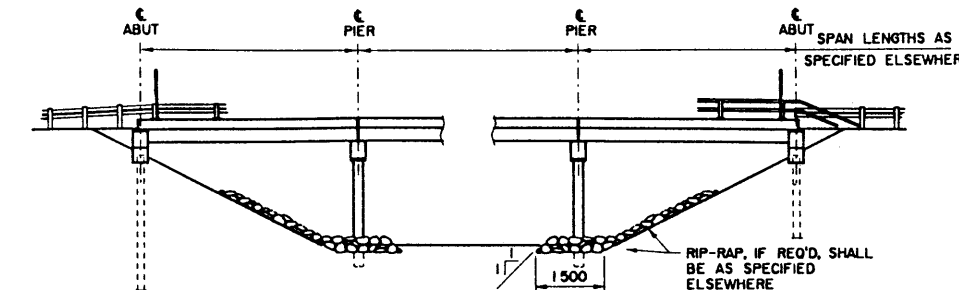
FOR SM-510 GIRDER TO GIRDER CONNECTIONS 1:5
(SUPPLIED BY THE DEPARTMENT
IN 2mm AND 4mm THICKNESSES)



R BRIDGE PLAQUE INSTALLATION
S-1422 1:5



BRIDGE PLAN
N T S



BRIDGE ELEVATION
N T S

* WORK DWGS S-1422 AND S-1423 TOGETHER WITH A SITE SPECIFIC GENERAL LAYOUT OR A BRIDGE AUTHORIZATION.

APPROVED		Albera TRANSPORTATION AND UTILITIES BRIDGE ENGINEERING BRANCH	
88-01-26 P1502 BARS, TABLE TITLE, MISC		D H O	
88-07-13 REDRAWN FROM S-1423-80		D H O	
REV	DATE	DESCRIPTION	BY
REVISIONS			
DESIGNED	DRAWN	DATE	CHECKED
A W	MIK	88-07-13	
STREAM		LOCATION	HIGHWAY
FILE		SHEET	DRAWING
2 of 2		S-1423-88	