			7600 ROADWAY				8 800 ROADWAY				10 000 ROADWAY				11 200 ROADWAY				12 500 ROADWAY				13 700 ROADWAY			
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°
GENERAL	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 1%	C	0	23	50	87	0	27	57	99	0	30	64	111	0	33	71	123	0	36	78	136	0	40	85	148
	DIFFERENTIAL FOR ROADWAY GRADE OF 2%	C	0	47	100	174	0	53	114	198	0	60	128	222	0	66	142	246	0	73	157	272	0	79	171	296
	DIFFERENTIAL FOR ROADWAY GRADE OF 3%	C	0	70	151	261	0	80	172	297	0	90	192	333	0	99	213	369	0	109	236	408	0	119	256	444
PILES	NUMBER		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	D	1 650	1 708	1 905	2 333	1 560	1 615	1 801	2 206	1 800	1 863	2 079	2 545	1 700	1 760	1 963	2 404	1 643	1 701	1 897	2 324	1 814	1 878	2 095	2 565
	END DISTANCES	E	1 050	1 087	1 213	1 486	1 050	1 087	1 213	1 485	1 050	1 088	1 212	1 486	1 050	1 087	1 212	1 485	1 050	1 087	1 212	1 483	1 051	1 088	1 213	1 487
DOWELS	NUMBER PER LINE		7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12
	SPACING	F	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
		G	910	941	1 051	1 288	905	936	1 046	1 280	900	931	1 040	1 274	895	926	1 034	1 266	940	972	1 086	1 330	935	966	1 080	1 323
ABUT. WINGS	WING PILE	H	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
	WING PROJECTION	J	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
REINFORCING ONE ABUTMENT	NUMBER OF DOWELS —Z 2001		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 STIRRUPS —A 1001		44	46	51	62	50	52	57	71	56	58	65	79	62	64	72	88	69	71	79	97	75	77	86	105
	LENGTH OF MAIN BARS—A 2501	K	8 600	8 900	9 950		9 800	10 150	11 300		11 000	11 400														
	NUMBER OF —A 2501		10	10	10		10	10	10		10	10														
	LENGTH OF MAIN BARS—A 2502	K				11750				11750			11750	11750	11750	11750	11750	11750	11750	11750	11750	11750	11750	11750	11750	11750
	NUMBER OF —A 2502					10				10			10	10	10	10	10	10	10	10	10	10	10	10	10	10
	LENGTH OF MAIN BARS —A 2503	K				1500				3200			2010	4900	1500	1930	3400	6590	2800	3270	4900	8430	4000	4520	6280	10120
	NUMBER OF —A 2503					10				10			10	10	10	10	10	10	10	10	10	10	10	10	10	10
REINFORCING ONE PIER	LENGTH OF MAIN BARS—A 2501	K	8600	8900	9950		9800	10 150	11 300		11000	11 400														
	NUMBER OF —A 2501		13	13	13		13	13	13		13	13														
	LENGTH OF MAIN BARS —A 2502	K				11750				11750			11750	11750	11750	11750	11750	11750	11750	11750	11750	11750	11750	11750	11750	11750
	NUMBER OF —A 2502					13				13			13	13	13	13	13	13	13	13	13	13	13	13	13	13
	LENGTH OF MAIN BARS —A 2503	K				1500				3200			2010	4900	1500	1930	3400	6590	2800	3270	4900	8430	4000	4520	6280	10120
	NUMBER OF —A 2503					13				13			13	13	13	13	13	13	13	13	13	13	13	13	13	13
	NUMBER OF DOWELS —Z 2001		14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24
	NUMBER OF DOWELS —E 2501		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 —P 1501		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 OF STIRRUPS —P 1502		30	30	30	30	36	36	36	36	36	36	36	36	42	42	42	42	48	48	48	48	48	48	48	48

ALSO SUPPLY 8 — W1501 AND 12 — W2501

BAR LIST

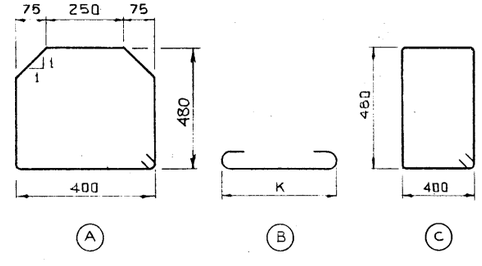
NUMBER *	MARK	SIZE	TYPE	LENGTH	MASS (kg) *
	A 1001	10	A	1 950	
	A 2501	25	B	K + 500	
	A 2502	25	E	K + 250	
	A 2503	25	E	K + 250	
	P 1501	15	C	2 040	
	Z 2001	20	STR	750	
	E 2501	25	STR.	1 100	
	P 1502	15	D	1 700	
	W 1501	15	STR.	12 000	
	W 2501	25	STR.	4 000	

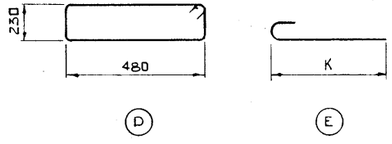
* TO BE FILLED IN WHEN ORDERING MATERIAL FOR EACH BRIDGE.

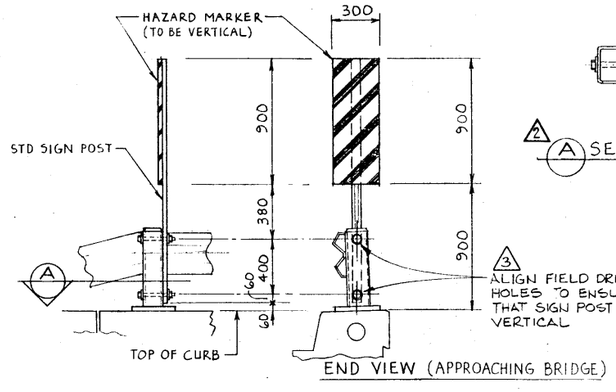
BAR TYPE

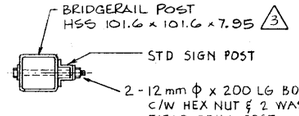
H.T.S.

(ALL BAR DIMENSIONS ARE OUT TO OUT)









2 A SECTION 1:10

- ALL DIMENSIONS ARE GIVEN IN mm.
- WORK THIS DRAWING WITH: S-1422-CONCRETE SUBSTRUCTURE SHEET No 1

3 2 Z HAZARD MARKER S-1422 2 REQ'D - RIGHT HAND 1:20 2 REQ'D - LEFT HAND

SUPERSEDED (3) (4)

(3)(4)

NO.	DATE	DESCRIPTION	BY
3			
2			
1	88-01-20	HAZARD MARKER CLARIFICATION	DHQ
0	87-09-02	DELINEATOR ADDED.	RWK
	80 06 11	REDRAWN	R.Q.

REVISIONS

APPROVED — CHIEF BRIDGE ENGINEER — DATE JULY 7/78

Alberta TRANSPORTATION BRIDGE BRANCH — METRIC

"S M" PRECAST BRIDGES CONCRETE SUBSTRUCTURE SHEET No. 2

DESIGNED	DRAWN BY	DATE	CHECKED BY	DATE	STREAM	LOCATION	HWY. NO.	SCALE	FILE NO.	SHEET	DWG. NO.
R.QUINTON	L.KOHLMANN	80 06 11								OF	S-1423-80

AT A.I.D. - RECORDS CENTRE 7980466