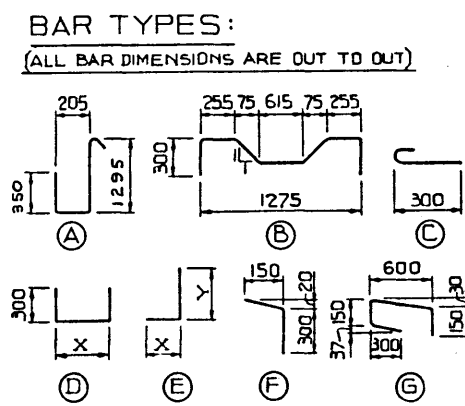


BAR LIST : FOR UNSKEWED GIRDER.

MARK	SIZE	NO.	TYPE	X	Y	LENGTH	MASS
G1001	10	104	C			430	35
G1002	10	40	B			1940	61
G1003	10	112	A			1950	171
G1004	10	8	STR.			600	4
G1501	15	6	STR.			9500	90
G1502	15	80	STR.			1435	180
G1503	15	10	E	450	450	900	14
G2001	20	4	D	1365		1965	19
G2002	20	2	D	1275		1875	9
G2003	20	4	STR.			1270	12
G2004	20	8	E	200	300	500	9
G2005	20	8	STR.			600	11
						TOTAL kg	615
* C1501	15	40	G			1200	75
* C1502	15	5	STR.			9900	78
						TOTAL kg	272
* CG 1501	15	40	E	600	600	1200	75
* CG 1502	15	40	F			450	28
* CG 1503	15	1	STR.			9900	16



DESIGN DATA:

- LOADING:**
 - LIVE LOAD - BRIDGE BRANCH MS-23
 - Δ 20 WHEEL LINE PER GIRDER.
 - DEAD LOAD - GIRDER = 1.46 t/m
 - WEARING SURFACE AND SHEAR KEYS = 0.25 t/m
- FORCE IN PRESTRESSING STEEL:**
 - INITIAL TENSIONING LOAD: 128.6 kN/STRAND
 - DESIGN LOAD AFTER LOSSES: 105.9 kN/STRAND (INTERIOR GIRDER)
 - STRESS-RELIEVED: 128.6 kN/STRAND
 - LOW RELAXATION: 113.3 kN/STRAND
- CONCRETE:**
 - INT 28 DAY STRENGTH: 35 MPa
 - RELEASE STRENGTH: Δ 28 MPa
 - CURB 28 DAY STRENGTH: 35 MPa
 - RELEASE STRENGTH: Δ 28 MPa
- ESTIMATED CAMBER OF BOTTOM OF INTERIOR GIRDER LEG AT TIME OF RELEASE = 1 mm (STRESS RELIEVED STRANDS)**
- THEORETICAL MASS OF ONE GIRDER IS 14.6 t (19.4 t WITH CURB)**

NOTES:

- * QUANTITY BASED ON 3 ANCHOR BOLT ASSEMBLIES. SEE BRIDGE LAYOUT FOR EACH BRIDGE FOR ACTUAL NUMBER OF ANCHOR BOLT ASSY.
- ** LENGTH BASED ON 10 000 mm JOINT SPACING. SEE CURB JOINT LAYOUT FOR EACH BRIDGE FOR ACTUAL JOINT SPACING.

WORK THIS DRAWING IN CONJUNCTION WITH DRAWING NO. S-1399

APPROVED: **Alberta TRANSPORTATION BRIDGE BRANCH** **METRIC**

PRESTRESSED CONCRETE 10 m TYPE FM-1370 GIRDER

DESIGNED: J.A.S. DRAWN BY: W.S. DATE: 78 08 03 CHECKED BY: DATE: STREAM: LOCATION: HWY. NO.: SCALE: FILE NO.: SHEET: 5-1390