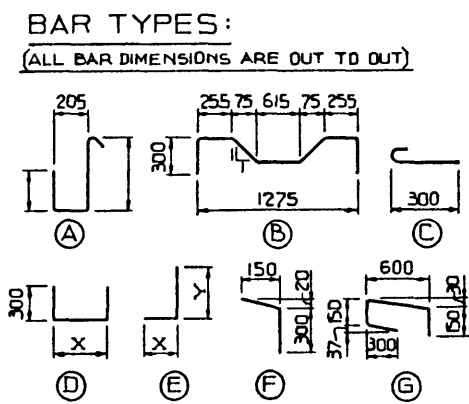


BAR LIST: FOR UNSKEWED GIRDER.							
MARK	SIZE	NO.	TYPE	X	Y	LENGTH	MASS
G1001	10	292	C			430	99
G1002	10	110	B			1940	168
G1003	10	270	A			1550	329
G1004	10	8	STR.			600	4
G1501	15	18	STR.			9500	268
G1502	15	220	STR.			1435	496
G1503	15	10	E	450	450	900	14
G2001	20	4	D	1365		1965	19
G2002	20	10	D	1275		1875	44
G2003	20	4	STR.			1270	12
G2004	20	8	E	200	300	500	9
G2005	20	8	STR.			600	11
TOTAL kg							1473
* C1501	15	113	G			1200	213
* C1502	15	25	STR.			5900	232
* C61501	15	113	E	600	600	1200	213
* C61502	15	113	F			450	80
* C61503	15	2	STR.			9500	30
TOTAL kg							768



DESIGN DATA:

- LOADING:**
 - LIVE LOAD - BRIDGE BRANCH MS-23
 - 0.90 WHEEL LINE PER GIRDER.
 - DEAD LOAD - GIRDER = 1.25 t/m
 - WEARING SURFACE AND SHEAR KEYS = 0.30 t/m
- FORCE IN PRESTRESSING STEEL:**

	STRESS-RELIEVED	LOW RELAXATION
INITIAL TENSIONING LOAD	128.6 kN/STRAND	128.6 kN/STRAND
DESIGN LOAD AFTER LOSSES (INTERIOR GIRDER)	90.5 kN/STRAND	98.5 kN/STRAND
- CONCRETE:**
 - 28 DAY STRENGTH 35.0 MPa
 - RELEASE STRENGTH 28.0 MPa
- ESTIMATED CAMBER OF BOTTOM OF INTERIOR GIRDER LEG AT TIME OF RELEASE = 47 mm (STRESS RELIEVED STRANDS)**
- THEORETICAL MASS OF ONE GIRDER IS 35.0 t (486t WITH CURB)**

NOTES:

- * QUANTITY BASED ON 10 ANCHOR BOLT ASSEMBLIES. SEE BRIDGERAL LAYOUT FOR EACH BRIDGE FOR ACTUAL NUMBER OF ANCHOR BOLT ASSY.
- * LENGTH BASED ON 6 000 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: *Jalawati*

Albera TRANSPORTATION BRIDGE BRANCH METRIC

PRESTRESSED CONCRETE 28 m TYPE FM-1170 GIRDER

DATE: SEPT 21/01

NO.	DATE	DESCRIPTION	BY

DESIGNED	DRAWN BY	DATE	CHECKED BY	DATE	STREAM	LOCATION	HWY NO.	SCALE	FILE NO.	SHEET	DWG NO.
J.C. YIH	J.P. NG	81-06-15						SHOWN			S-1364