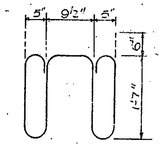
BAR BENDING DIAGRAM

Bar	a	b	c
4C01	1'-9"	5'-8"	13'-6"
4C05	1'-9"	5'-8"	2'-8"
4C07	1'-4"	6'-3 4"	13'-6"
4C08	1'-4"	6'-3 4"	2'-8"

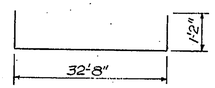
4C01, 4C05, 4C07, 4C08

Bar	a
4C02	7'-4"
4C03(E)	3'-2"
5C01	7'-4"
5C02(E)	3'-7"
6C01	7'-4"
6C02(E)	4'-0"
6C03	1'-0"
7C01	7'-4"
7C02(E)	4'-6"

4C02, 4C03(E), 5C01, 5C02(E), 6C01, 6C02(E), 6C03, 7C01, 7C02(E)



4C09



7C03

BILL OF MATERIAL

BAR	UNIT I No	UNIT I Length	UNIT II No	UNIT II Length	UNIT III No	UNIT III Length	UNIT IV No	UNIT IV Length	UNIT V No	UNIT V Length	UNIT VI No	UNIT VI Length	UNIT VII No	UNIT VII Length	Bent	Str
4C01	14	15'-3"	14	15'-3"	14	15'-3"	14	15'-3"	14	15'-3"	14	15'-3"			•	
4C02							48	16'-6"	48	16'-6"	48	16'-6"			•	
4C03(E)							32	8'-2"	32	8'-2"	32	8'-2"			•	
4C04											8	11'-10"				•
4C05			14	4'-5"	14	4'-5"	14	4'-5"	14	4'-5"	14	4'-5"	14	4'-5"	•	
4C06	16	5'-10"	16	5'-10"	22	5'-10"										
4C07							14	14'-10"	14	14'-10"	14	14'-10"				•
4C08									14	4'-0"	14	4'-0"			•	
4C09	48	10'-0	48	10'-0	48	10'-0	60	10'-0"	54	10'-0"	54	10'-0"	14	4'-0"	•	
															•	
5C01	30	16'-6"	38	16'-6"	38	16'-6"	8	16'-6"	12	16'-6"	12	16'-6"	12	16'-6"	•	
5C02(E)	30	9'-0"	38	9'-0"	38	9'-0"	8	9'-0"	4	9'-0"	4	9'-0"	4	9'-0"	•	
5C03											30	7'-9"				•
6C01	28	16'-6"	28	16'-6"	28	16'-6"	9	16'-6"	9	16'-6"	9	16'-6"			•	
6C02(E)	28	9'-10"	28	9'-10"	28	9'-10"	5	9'-10"	5	9'-10"	5	9'-10"			•	
6C03	48	3'-10	48	3'-10	48	3'-10	60	3'-10	54	3'-10"	54	3'-10			•	
7C01							30	16'-6"	30	16'-6"	30	16'-6"			•	
7C02(E)							20	10'-10"	20	10'-10"	20	10'-10"			•	
7C03											5	35'-0"			•	
7C04											5	34'-9"				•
7C05(E)	2	12'-4"	2	12'-4"	2	16'-6"										•
7C06(E)	2	28'-2"	2	28'-2"	2	35'-8"										•
7C07(E)							2	48'-0"	2	48'-0"	2	48'-0"				•
7C08(E)							4	12'-0"	4	12'-0"	4	12'-0"				•

** Concrete quantities included in Bill of Material Sheets No. 116 & 117.

ESTIMATED QUANTITIES

ITEM	UNIT	TOTAL
Superstructure Concrete	cu. Yd	**
Reinforceing Steel	L.b.	5924.66
Reinforceing Steel Epoxy Coating		16696.31

DESIGNED M.M. C'K'D M.M.
DRAWN T.F. C'K'D M.M.
TRACED T.F. C'K'D M.M.

10-20-81 Revision: Estimate of Quantities

APPROVED FOR CONSTRUCTION
W. P. ABBOTT
Assistant Engineer of Bridge Design 9-17-81

Flye and Muller Engineers Inc.
424 North Calhoun Street
Tallahassee, Florida 32301

CONSTRUCTION JOINT BAR LIST

INDIANA STATE HIGHWAY COMMISSION

LAKE COUNTY - RAMP:- A SECTION:-
SCALE:- N.T.S. DATE:- June 29, 1981
SUBMITTED FOR APPROVAL Eugene C. Flye Jr.
DRAWING:- OF SHEET:- 123 OF
PROJECT:- MM 220-1 (8)
CONTRACT NO. B-12752
BRIDGE FILE:- 912-45-2546 RWX