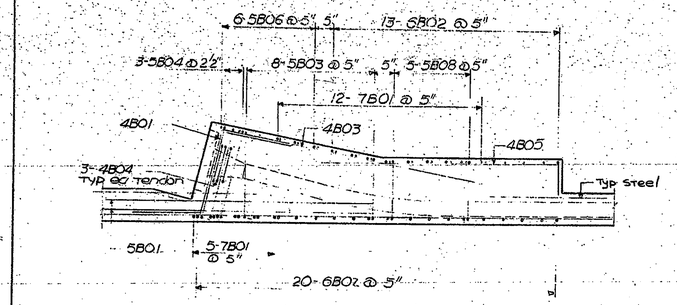
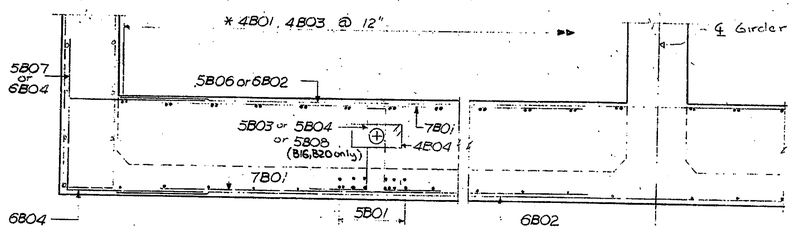
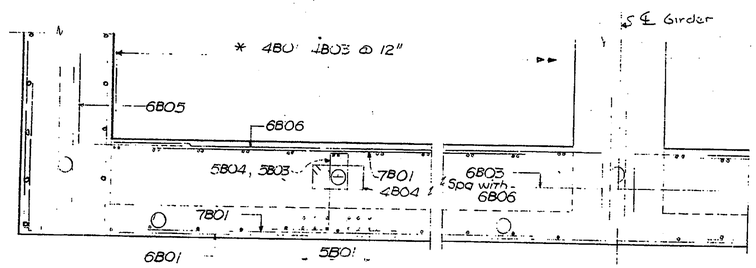


LONGITUDINAL SECTION
316, B20



CROSS SECTION (B14, B16, B17, B20)



CROSS SECTION (B15, B19) (AT CONST. JT.)

CROSS SECTION (B3, B21)

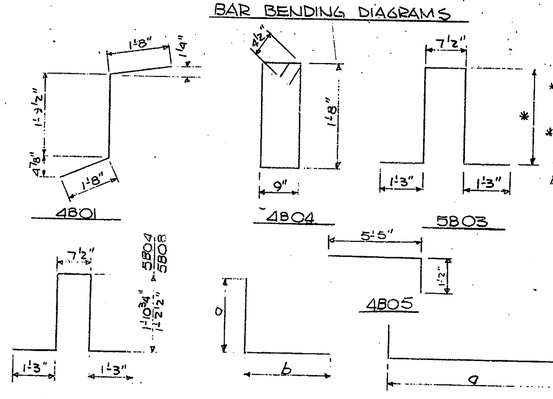
* See Bill of Material for number of bars.

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

BILL OF MATERIAL

Bar	B1, B2, B4-B6		B3, B7		B8		B9		B10		B11		B12		B13		B14		B15		B16		B17		B18		B19		B20		B21		Bolt	Str
	No	Lgth	No	Lgth	No	Length	No	Lgth	No	Lgth	No	Lgth	No	Lgth	No	Lgth	No	Lgth	No	Lgth	No	Lgth	No	Lgth	No	Lgth	No	Lgth	No	Lgth	No	Lgth		
4B01	15	5'-2"	14	5'-2"	17	5'-2"	18	5'-2"	20	5'-2"	21	5'-2"	25	5'-2"	26	5'-2"	26	5'-2"	24	5'-2"	30	5'-2"	31	5'-2"	32	5'-2"	30	5'-2"	32	5'-2"	32	5'-2"	•	
4B02	15	7'-11	14	7'-11			18	7'-11	20	7'-11	21	7'-11			26	7'-11	26	7'-11	24	7'-11			31	7'-11	32	7'-11	30	7'-11	—	—	32	7'-11		•
4B03	—	—	—	—	17	5'-5							25	5'-5							30	5'-5							32	5'-5	—	—		•
4B04	6	5'-7"	6	5'-7	6	5'-7	6	5'-7"	6	5'-7	6	5'-7	6	5'-7	6	5'-7	6	5'-7	6	5'-7	6	5'-7	6	5'-7	12	5'-7	6	5'-7	6	5'-7	12	5'-7"	•	
4B05	—	—	—	—	17	6'-7"							25	6'-7"							30	6'-7"							32	6'7"	—	—	•	
5B01	24	8'-0"	24	8'-0	24	8'-0"	24	8'-0	24	8'-0	24	8'-0	24	8'-0	24	8'-0	24	8'-0	24	8'-0	24	8'-0	24	8'-0	48	8'-0	24	8'-0	24	8'-0	48	8'-0		•
5B02	10	14'-5"	—	—	10	15'-11"	10	16'-10"	10	18'-10"			10	23'-8"	10	24'-8"									10	32'-5"					10	32'-5"		•
5B03	26	4'-9.6'9	26	4'-9.6'9	16	5'-7 to 6'-9	26	4'-9.6'9	26	4'-9.6'9	26	4'-9.6'9	16	5'-7.6'9	26	4'-9.6'9	26	4'-9.6'9	26	4'-9.6'9	16	5'-7.6'9	26	4'-9.6'9	52	4'-9.6'9	26	4'-9.6'9	16	5'-7.6'9	52	4'-9.6'9	•	
5B04	6	6'-11	6	6'-11	6	6'-11	6	6'-11	6	6'-11	6	6'-11	6	6'-11	6	6'-11	6	6'-11	6	6'-11	6	6'-11	6	6'-11	12	6'-11	6	6'-11	6	6'-11"	12	6'-11"	•	
5B05	—	—	10	20'-5"	—	—	—	—	—	—	10	21'-11"	—	—															—	—	—	—	•	
5B06	—	—	—	—																									6	32'-5"	—	—		•
5B07	20	4'-10"	—	—	20	4'-10"	20	4'-10"	20	4'-10"	—	—	20	4'-10"	20	4'-10"	6	26'-8"	—	—	6	29'-11"	6	31'-1"	—	—	—	—	12	4'-10"	20	4'-10"	•	
5B08	—	—	—	—	10	5'-7"	—	—	—	—	—	—	10	5'-7"			12	4'-10"	—	—	12	4'-10"	12	4'-10"	20	4'-10"	—	—	10	5'-7"	—	—	•	
6B01	—	—	10	20'-5"	—	—	—	—	—	—	10	21'-11"	—	—	—	—	—	—	—	—	10	5'-7"	—	—	—	—	—	—					•	
6B02	29	14'-5"	19	13'-0"	29	15'-11	29	16'-10"	29	18'-10"	19	18'-2"	29	23'-8"	29	24'-8"	—	—	20	28'-10"	—	—	—	—	—	—	20	32'-5"	—	—	—	—	•	
6B03																			19	4'-9"	33	29'-11"	33	31'-1"	29	32'-5"	—	—	33	32'-5"	29	32'-5"		•
6B04	58	5'-5"	—	—	58	5'-5"	58	5'-5"	58	5'-5"	—	—	58	5'-5"	58	5'-5"	66	5'-5"			66	5'-5"	66	5'-5"	58	5'-5"	19	4'-9"					•	•
6B05			38	5'-0"							38	5'-0"							38	5'-0"							38	5'-0"	66	5'-5"	58	5'-5"	•	
6B06																			38	12'-10"							38	16'-5"					•	
7B01																	34	12'-0"	34	12'-0"	34	12'-0"	34	12'-0"			34	12'-0"	34	12'-0"				•

BAR BENDING DIAGRAMS



Bar	a	b
5B07	1'-8"	3½
6B04	1'-10"	3½
6B05	1'-10"	3½

Location	a
B15	12'-7"
B19	15'-2"

Location	a 5B05	a 6B01
B3	16'-9"	16'-9"
B7	16'-9"	16'-9"
B11	20'-6"	20'-6"
B15	—	25'-2"
B19	—	34'-9"

ESTIMATED QUANTITIES

ITEM	UNIT	TOTAL
Superstructure Concrete	L.b.	**
Reinforceing Steel	L.b.	46103.62

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

Figg and Mutter Engineers Inc.
424 North Calhoun Street
Tallahassee, Florida 32301

BLISTER DETAILS II

INDIANA STATE HIGHWAY COMMISSION

LAKE COUNTY - RAMP:- A SECTION:-
SCALE:- ¾" = 1'-0" DATE:- June 29, 1981
SUBMITTED FOR APPROVAL Eugene C. Figg Jr.
DRAWING:- OF SHEET:- 119 OF
PROJECT:- MM 220-1 (8)
CONTRACT NO. B-12752
BRIDGE FILE:- 912-45-2546 RWX

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