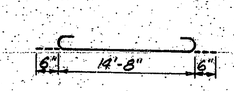
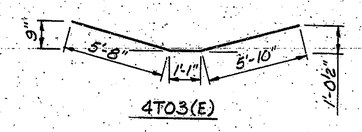
BAR BENDING DIAGRAMS

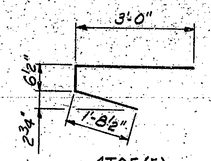
NOTE: Number preceding letter denotes bar size.
All dimensions are out to out.
All bar bending diagrams shall be in accordance with A.C.I. Standards.



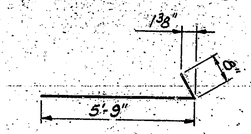
4T02



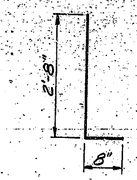
4T03(E)



4T05(E)

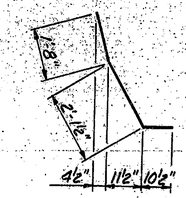


4T08(E)

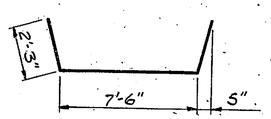


4T06

5T06(E)

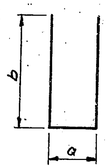


5T07(E)

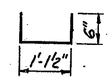


6T10

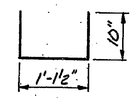
Bar	a	b
4T07	6"	3'-3"
5T01	1'-1½"	7'-4"
5T03(E)	1'-1½"	3'-5"
5T08	2'-8"	10"
5T09	1'-6"	3'-0"
6T01	2'-8"	1'-0"
6T02	2'-8"	7'-4"
6T03(E)	2'-8"	4'-0"
9T01	2'-8"	7'-4"
9T02(E)	2'-8"	5'-4"
10T01	2'-8"	7'-4"
10T02(E)	2'-8"	5'-9"
6T05	1'-1½"	7'-4"
6T06(E)	1'-1½"	4'-0"



4T07, 5T01, 5T03(E), 5T08, 5T09, 6T01
6T02, 6T03(E), 9T01, 9T02(E), 10T01, 10T02(E)
6T05, 6T06(E)



3S01



5T10

NOTE: (*) See Sheet No. 308

NOTES: All reinforcing shall conform to the requirements of ASTM Grade 60.

Minimum compressive strength of Superstructure Conc. shall be 5,500 p.s.i.

ESTIMATED QUANTITIES

Item	Unit	Total
Superstructure Conc.	Cu. Yd.	976.9
Reinforcing Steel	Lb.	7275.97
Reinforcing Steel (Epoxy Coated)	Lb.	73033.26

BILL OF MATERIAL

Bar	No.	Length	Bent	Str.
3S01	730	2'-2"	•	
4T01	597	16'-10"		•
4T02	307	15'-8"	•	
4T03(E)	670	12'-8"	•	
4T04(E)	476	28'-2"		•
4T05(E)	952	5'-3"	•	
4T06	814	3'-4"	•	
4T07	108	7'-0"	•	
4T08(E)	564	6'-5"	•	
4T09(E)	238	10'-8"		•
* 4A16(E)	96	9'-0"	•	
4L01(E)	56	12'-6"		•
4L04	262	60'-0"		•
4L04(E)	348	60'-0"		•
4L05	62	43'-0"		•
4L06	92	40'-3"		•
4L07	46	39'-0"		•
4L08	30	9'-0"		•
4L09	16	21'-8"		•
4L10	16	21'-9"		•
4L11	16	19'-9"		•
4L12	32	21'-0"		•
4L13	16	22'-9"		•
4L14	16	26'-3"		•
4L15(E)	58	46'-0"		•
4L16	28	45'-0"		•
4L17	28	19'-0"		•
5T01	814	15'-10"	•	
5T03(E)	814	8'-0"	•	
5T04(E)	238	10'-8"		•
5T05(E)	952	8'-0"		•
5T06(E)	952	4'-3"	•	
5T07(E)	952	4'-8"	•	
5T08	528	4'-3"	•	
5T09	80	7'-6"	•	
5T10	96	2'-10"	•	
6L01		17'-0"		•
6T01	192	4'-8"	•	
6T02	50	17'-4"	•	
6T03(E)	50	10'-8"	•	
6T04	160	6'-0"		•
6T05	20	15'-10"	•	
6T06(E)	20	9'-2"	•	
6T10	70	12'-0"	•	
9T01	112	17'-4"	•	
9T02(E)	112	13'-6"	•	
10T01	28	17'-4"	•	
10T02(E)	28	14'-4"	•	

DESIGNED M.M. CK'D. M.M.
DRAWN R.E.T. CK'D. M.M.
TRACED CK'D.

APPROVED FOR CONSTRUCTION
W. B. ABBOTT
Assistant Engineer of Bridge Design 11-2-81

Figg and Muller Engineers Inc.
Consulting Engineers
Tallahassee Florida 32301

BAR BENDING DIAGRAMS & BILL OF MATERIAL

INDIANA STATE HIGHWAY COMMISSION

LAKE COUNTY - RAMP:- B SECTION:-
SCALE:- N.T.S. DATE:- July 29, 1981
SUBMITTED FOR APPROVAL Eugene C. Figg, Jr.
DRAWING:- OF SHEET:- 305 OF
PROJECT:- MM 220-1(8)
CONTRACT NO. B-12752
BRIDGE FILE:- 912-45-2546 RWN

EUGENE C. FIGG, JR. REGISTERED No. 18543 STATE OF INDIANA PROFESSIONAL ENGINEER