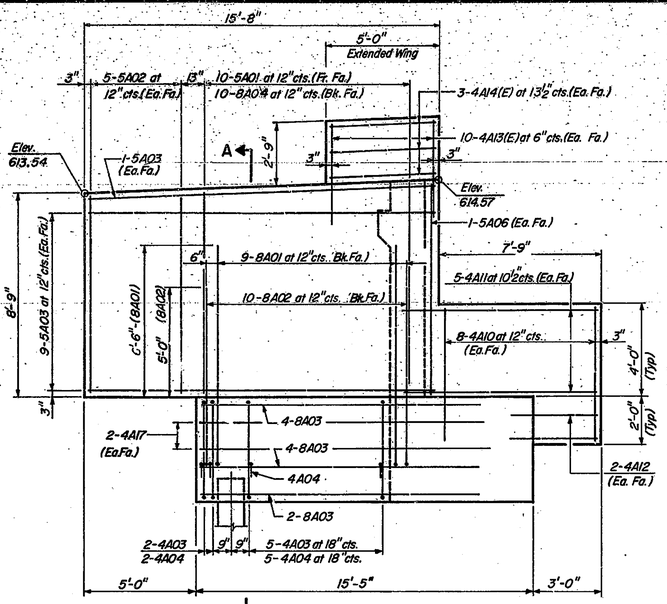
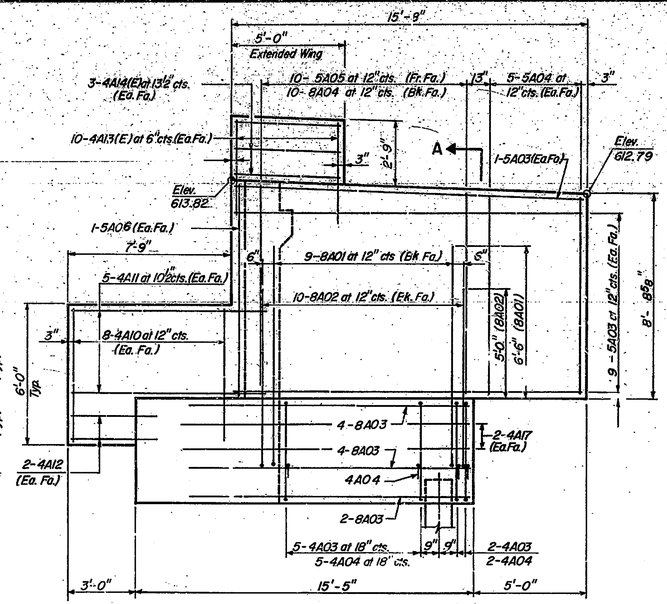
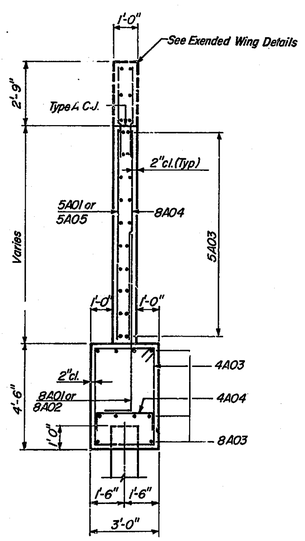


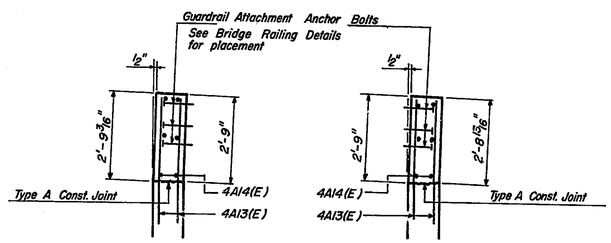
SOUTH · WING



NORTH WING



SECTION A-A



SOUTH WING

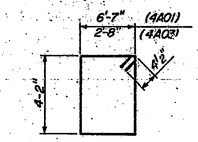
NORTH WING

EXTENDED WING DETAILS

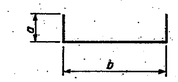
(Looking Toward Abutment Front Face)

BAR BENDING DIAGRAMS

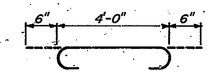
NOTES: Number preceding letter denotes bar size.
All dimensions are out to out.
All bar bending pin diameters shall be in accordance A.C.I. Standards.
(E) - Designates epoxy coated bars.



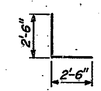
Bar	a	b
4A02	6"	6'-7"
4A06	8"	2'-8"
4A09(E)	8"	1'-2"



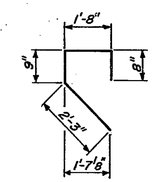
4A02, 4A04, 4A09(E)



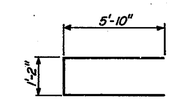
4A07(E)



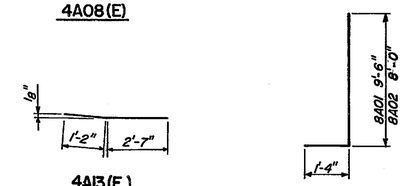
4A06(E)



4A08(E)



6A01



BILL OF MATERIAL

Bar	No.	Length	Bent	Str.
4A01	42	22'-3"	●	
4A02	42	7'-11"	●	
4A03	14	14'-5"		●
4A04	14	4'-0"	●	
4A05(E)	22	24'-10"		●
4A06 (E)	16	5'-0"	●	
4A07 (E)	16	5'-0"	●	
4A08 (E)	47	5'-4"	●	
4A09 (E)	49	2'-6"	●	
4A10	32	5'-8"		●
4A11	20	9'-9"		●
4A12	8	3'-9"		●
4A13(E)	40	3'-9"	●	
4A14(E)	12	4'-9"		●
4A15	48	3'-0"		●
4A16	8	27'-2"		●
4A17	8	12'-6"		●
5A01	10	8'-9"		●
5A02	10	8'-5"		●
5A03	36	15'-4"		●
5A04	10	8'-4"		●
5A05	10	8'-9"		●
5A06	4	9'-5"		●
5A07	2	9'-5"		●
6A01	49	12'-10"	●	
6A02(E)	98	9'-4"		●
8A01	18	10'-10"	●	
8A02	20	9'-4"	●	
8A03	20	12'-6"		●
8A04	20	8'-9"		●
8A05	10	8'-9"		●
9A01	42	27'-7"		●
—		—		
9A03	6	6'-0"		●

ESTIMATED QUANTITIES

Item	Unit	Total
Reinforcing Steel	Lb.	9,983
Epoxy Coated Reinforcing Steel	Lb.	2,234
Substructure Concrete	Cu.Yd.	109.0
Class "C" Concrete	Cu.Yd.	1.0
High Capacity Piles	Lin.Ft.	735
Steel Pipe Sleeves	Lin.Ft.	560

NOTE: Abutment backwall shall not be constructed untill superstructure Post-Tensioning has been completed
All reinforcement bars shall conform to the standards of ASTM, Grade 60.
Minimum compressive strength of both Substructure and Class 'C' Concrete shall be 4000 psi

PILE DATA

TYPE: High Capacity (14"ø Steel Encased Concrete)
ESTIMATED LENGTH: 105'
NUMBER REQUIRED: 7
7 Steel Pipe Sleeves Required to Elevation 520

APPROVED FOR CONSTRUCTION

W. B. Abbott 5-18-81

W. B. ABBOTT
Assistant Engineer of Bridge Design

DESIGNED D.O.H. C'K'D. M.H.
DRAWN N.D. C'K'D. G.R.
TRACED N.D. C'K'D. G.R.

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

ABUTMENT 200 DETAILS & BILL OF MATERIAL

INDIANA STATE HIGHWAY COMMISSION

LAKE COUNTY - RAMP:- A SECTION:-
SCALE:- 3/8" = 1'-0" DATE:- MARCH 27, 1981
SUBMITTED FOR APPROVAL Eugene C. Figg Jr.
DRAWING:- OF SHEET:- 9 OF
PROJECT:- MM 220-1 (8)
CONTRACT NO. B-12752
BRIDGE FILE:- 912-45-2546 RWX

EUGENE C. FIGG REGISTERED No. 18543 STATE OF FLORIDA PROFESSIONAL ENGINEER