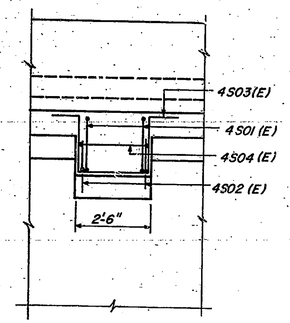
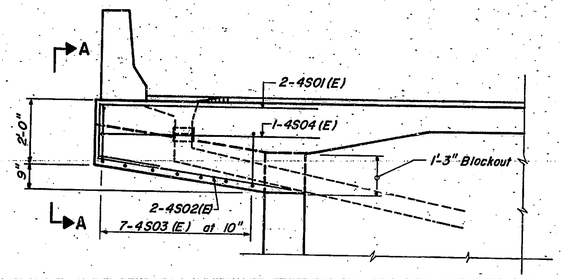
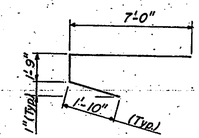


VIEW A-A

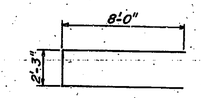


CROSS SECTION AT ROADWAY DRAIN

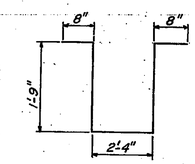
BAR BENDING DIAGRAMS



4S01(E)



4S04(E)



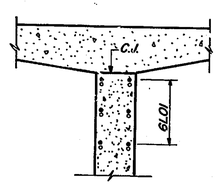
4S03(E)

BILL OF MATERIAL

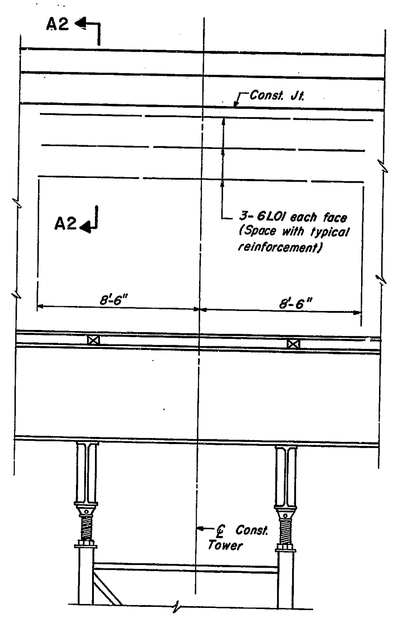
BARS	No./UNIT I	No./UNIT II	No./UNIT III	TOTAL NO.	LENGTH	BENT	STR.
4S01(E)	2	4	6	12	10'-7"	•	
4S02(E)	2	4	6	12	4'-1"		•
4S03(E)	7	14	21	42	7'-2"	•	
4S04(E)	1	2	3	6	18'-3"	•	

TOTAL ESTIMATED QUANTITIES

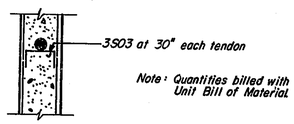
ITEM	UNIT	TOTAL
Reinforcing Steel (Epoxy Coating)	Lb.	391.78



SECTION A2-A2

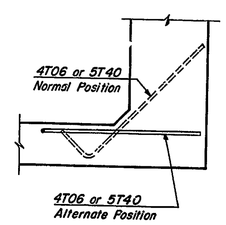


ELEVATION
(AT CONSTRUCTION TOWER)



Note: Quantities billed with Unit Bill of Material

TENDON SUPPORT DETAILS



BAR ADJUSTMENT DETAIL

Note:
Bars 4T06 & 5T40 to be adjusted between the normal and alternate position only when in conflict with post tensioning tendons.

Notes:
All reinforcement bars shall conform to the requirements of ASTM, Grade 60.
Number preceeding letter denotes bar size.
All dimensions are out to out.
Bar bending pin diameters shall be in accordance with A.C.I. standards.
Concrete quantities for drain are billed with superstructure concrete per unit.

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

DESIGNED MM	C'K'D MM
DRAWN RMB	C'K'D GR
TRACED MLB	C'K'D GR

Flag and Nutter Engineers Inc.
424 North Calhoun Street
Tallahassee Florida 32301

MISCELLANEOUS SUPERSTRUCTURE DETAILS

INDIANA STATE HIGHWAY COMMISSION

LAKE COUNTY - RAMP:- D SECTION:-
SCALE:- N.T.S. DATE:- July 29, 1981
SUBMITTED FOR APPROVAL Eugene C. Figg Jr.
DRAWING:- OF SHEET:- 113 OF
PROJECT:- MM 220-1(8)
CONTRACT NO. B-12752
BRIDGE FILE:- 912-45-2546 REX