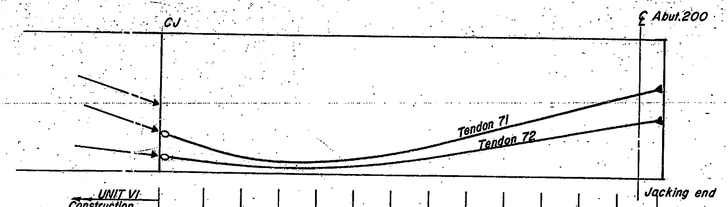


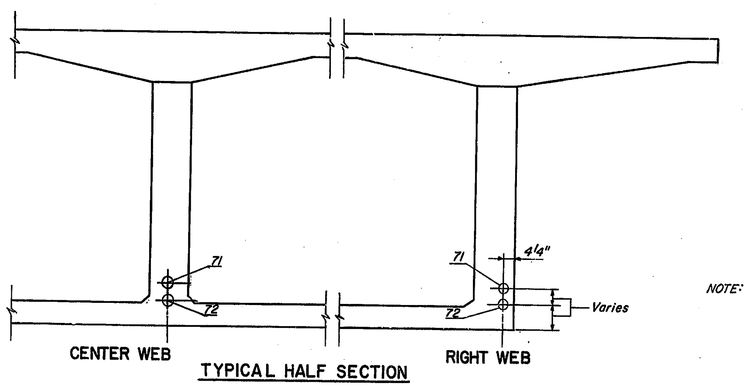
UNIT VI
Construction

LINE "A" REFERENCE ABSCISSA	0.000	5.947	10.047	15.947	20.947	25.947	30.947	35.947	40.947	45.947	50.947	55.947	60.947	66.226
TENDON 71- 19K6 *DISTANCE /BOTT. SLAB	2.332	1.461	0.847	0.591	0.634	0.839	1.204	1.727	2.361	2.998	3.635	4.272	4.909	5.582
TENDON 72- 19K6 DISTANCE /BOTT. SLAB	0.833	0.522	0.303	0.211	0.242	0.381	0.627	0.981	1.408	1.838	2.268	2.699	3.129	3.583

TENDON PROFILE ELEVATION

(Scale: Vert. 1/4" = 1'-0" Hori. 1/2" = 1'-0")

* Distances are from bottom of slab to bottom of tendon ducts.



TYPICAL HALF SECTION

LOOKING UP STATION

STRESSING SEQUENCE	TENDON NO.	NO. OF TENDONS	TYPE	JACKING FORCE	ELONGATION			LENGTH		
					LW	CW	RW	LW	CW	RW
1st	71	3	19K6	828	0.489'	0.489'	0.489	67.39'	67.39	67.39
2nd	72	3	19K6	828	0.492'	0.492'	0.492'	67.13'	67.13'	67.13'

LW - Left Web
CW - Center Web
RW - Right Web

NOTE: These tendon lengths & elongation are from anchor plate to anchor plate.
Dimensions are on grade.
Tendon elevations are perpendicular to grade.
Tendon to be stressed from jacking end as indicated by ⊸.
Elongations based on a steel modulus of elasticity of 26.5×10^6 p.s.i.
Stress tendons in center web first then stress tendons in outside webs

LEGEND

- Dead End
- Jacking End
- Post-tensioning Coupler

9-17-81

DESIGNED	M.M.	C'K'D.	M.M.
DRAWN	M.B.	C'K'D.	G.R.
TRACED	M.B.	C'K'D.	G.R.

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

POST TENSIONING LAYOUT UNIT VII

INDIANA STATE HIGHWAY COMMISSION

LAKE COUNTY - RAMP:- A SECTION:-

SCALE:- As Noted DATE:- June 29, 1981

SUBMITTED FOR APPROVAL Eugene C. Figg, Jr.

DRAWING:- OF SHEET:- 147 OF

PROJECT:- MM 220-1 (8)

CONTRACT NO. B-12752

BRIDGE FILE:- 912-45-2546 RWX

EUGENE C. FIGG, JR. REGISTERED PE 18543 STATE OF INDIANA PROFESSIONAL ENGINEER