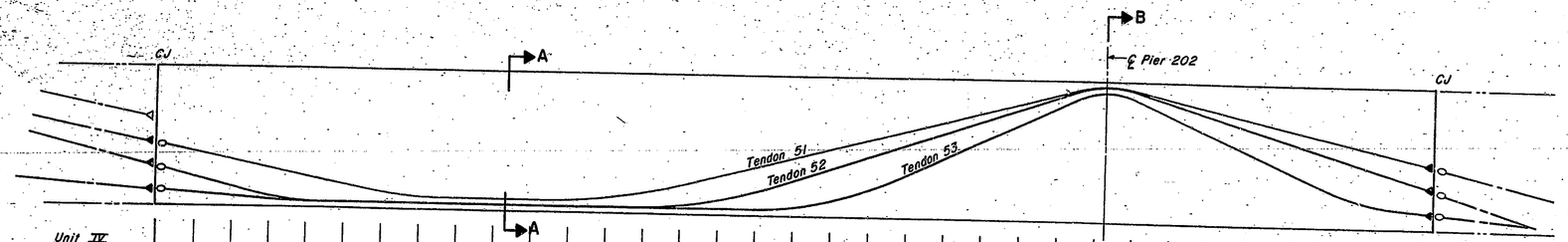


Unit IV
Construction

Unit VI
Construction

LINE "A" REFERENCE ABSCISSA	0.000	5.184	10.184	15.184	20.184	25.184	30.184	35.184	40.184	45.184	50.184	55.184	60.184	65.184	70.184	75.184	80.184	85.184	90.184	95.184	100.184	105.184	110.184	115.184	120.184	125.184	130.184	135.184	140.184	145.184	150.184	155.184	160.184	165.184	170.367
TENDON 51- 19K6 *-DISTANCE /BOTT. SLAB	3.833	3.321	2.828	2.334	1.841	1.347	0.879	0.621	0.583	0.583	0.583	0.629	0.825	1.177	1.685	2.303	2.927	3.551	4.174	4.798	5.422	6.045	6.669	7.293	7.916	8.430	8.273	7.721	7.169	6.616	6.063	5.511	4.958	4.405	3.832
TENDON 52- 19K6 DISTANCE /BOTT. SLAB	2.332	1.696	1.082	0.520	0.236	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	1.221	0.394	0.768	1.343	2.107	2.914	3.721	4.528	5.335	6.142	6.949	7.756	8.422	8.212	7.482	6.750	6.018	5.286	4.554	3.822	3.090	2.332
TENDON 53- 19K6 DISTANCE /BOTT. SLAB	0.833	0.656	0.486	0.321	0.225	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.212	0.394	0.856	1.597	2.616	3.738	4.861	5.943	7.106	8.033	7.722	6.653	5.581	4.510	3.438	2.367	1.499	1.056	0.833
CENTER WEB	0.000	5.190	5.006	5.006	5.006	5.007	5.007	5.007	5.007	5.007	5.008	5.008	5.008	5.008	5.008	5.008	5.009	5.009	5.009	5.009	5.009	5.009	5.010	5.010	5.013	5.014	5.014	5.014	5.014	5.014	5.014	5.014	5.014	5.014	5.198
RIGHT WEB	0.000	5.241	5.056	5.056	5.057	5.057	5.057	5.058	5.058	5.058	5.059	5.059	5.059	5.060	5.060	5.060	5.061	5.061	5.061	5.062	5.062	5.062	5.063	5.063	5.069	5.072	5.072	5.072	5.072	5.072	5.072	5.072	5.072	5.072	5.252
LEFT WEB	0.000	5.138	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	4.956	5.138

TENDON PROFILE ELEVATION

(Scale: Vert. 1/4" = 1'-0" Horiz. 1/8" = 1'-0")

LEGEND

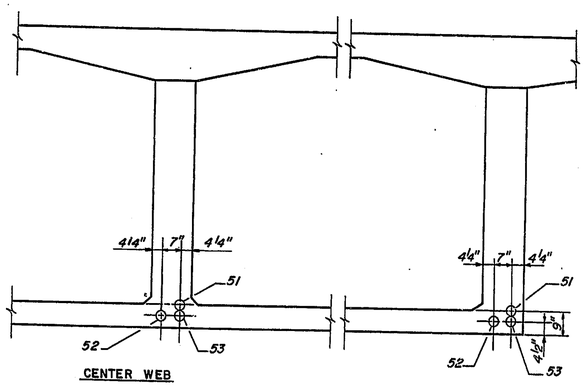
- Dead End
- Jacking End
- Post-tensioning Coupler

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 centerweb first then stress tendons in outside webs

STRESSING SEQUENCE	TENDON NO.	NO. OF TENDONS	TYPE	JACKING FORCE	ELONGATION			LENGTH		
					LW	CW	RW	LW	CW	RW
1st	52	3	19K6	828	1.121'	1.133'	1.145'	170.03'	171.87'	173.71
2nd	51	3	19K6	828	1.139'	1.151'	1.164'	169.72'	171.57'	173.40
3rd	53	3	19K6	850	1.072	1.084	1.096	170.34	172.19	174.02
4th	54	2	19K6	861	0.836'		0.846'	117.99'		119.31
5th	55	2	19K6	861	0.482'		0.487'	66.88		67.51

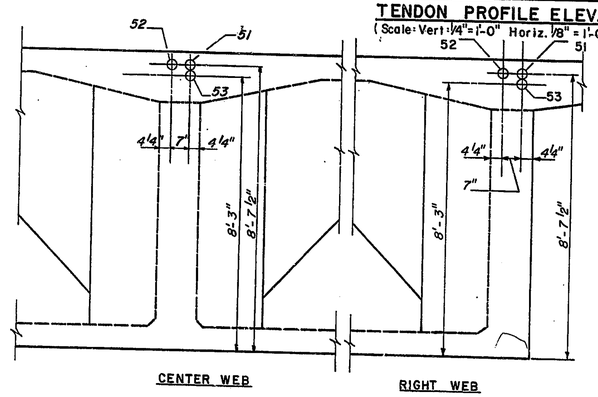
*Distances are from bottom of slab to bottom of tendon ducts.

LW- left web
CW- center web
RW- right web



SECTION A-A

LOOKING UP STATION



SECTION B-B

LOOKING UP STATION

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

9-17-81

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

POST-TENSIONING LAYOUT UNIT V

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:- 145 OF
PROJECT:- MM 220-1 (8)
CONTRACT NO. B-12752
BRIDGE FILE:- 912-45-2546 RWX

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