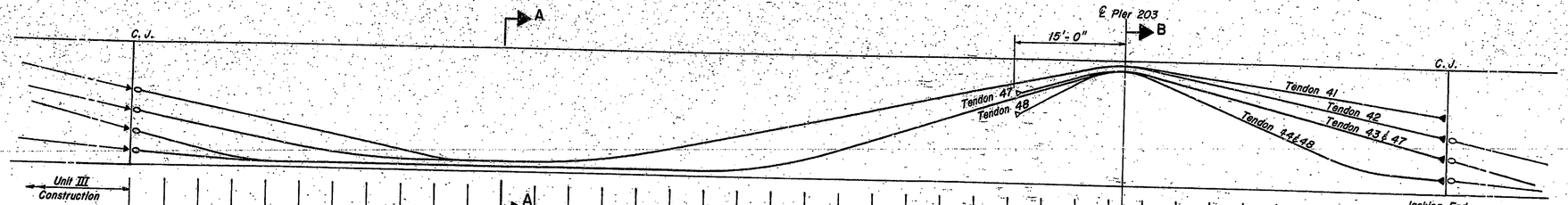
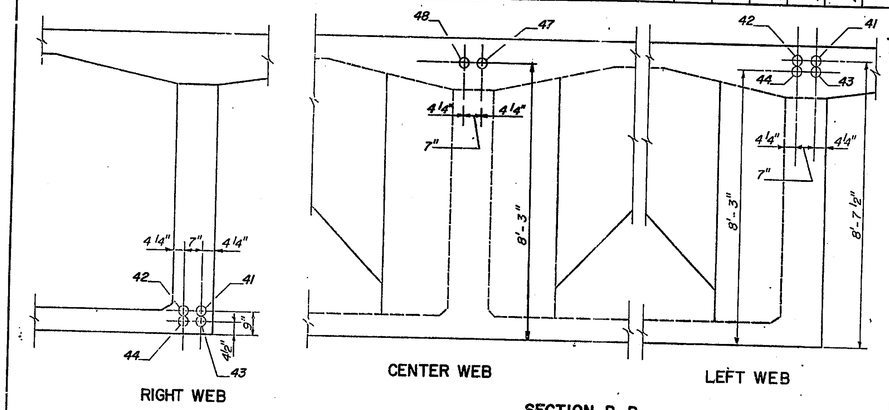


LINE "A" REFERENCE ABSCISSA	0.000	5.211	10.211	15.211	20.211	25.211	30.211	35.211	40.211	45.211	50.211	55.211	60.211	65.211	70.211	75.211	80.211	85.211	90.211	95.211	100.211	105.211	110.211	115.211	120.211	125.211	130.211	135.211	140.211	145.211	150.211	155.211	160.211	165.211	170.211	175.211	180.211	185.211	190.211	195.421
TENDON 41- 19K6 DISTANCE /BOTT. SLAB	5.332	4.804	4.297	3.790	3.283	2.777	2.270	1.763	1.256	0.751	0.583	0.583	0.588	0.687	0.917	1.275	1.760	2.280	2.801	3.321	3.841	4.362	4.882	5.403	5.923	6.443	6.964	7.484	8.005	8.434	8.348	8.015	7.682	7.348	7.015	6.681	6.348	6.014	5.681	5.333
TENDON 42- 19K6 DISTANCE /BOTT. SLAB	3.833	3.318	2.825	2.331	1.838	1.358	0.983	0.731	0.602	0.583	0.583	0.583	0.588	0.687	0.917	1.275	1.760	2.280	2.801	3.321	3.841	4.362	4.882	5.403	5.923	6.443	6.964	7.484	8.005	8.434	8.294	8.015	7.682	7.348	7.015	6.681	6.348	6.014	5.681	5.333
TENDON 43- 19K6 DISTANCE /BOTT. SLAB	2.332	1.693	1.079	0.518	0.236	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.215	0.361	0.702	1.236	1.958	2.736	3.514	4.292	5.070	5.848	6.626	7.404	8.047	7.879	7.267	6.653	7.308	6.815	6.321	5.828	5.334	4.841	4.347
TENDON 44- 19K6 DISTANCE /BOTT. SLAB	0.833	0.655	0.485	0.320	0.225	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.215	0.361	0.702	1.236	1.958	2.736	3.514	4.292	5.070	5.848	6.626	7.404	8.047	7.744	7.267	6.653	5.716	4.700	3.685	2.669	1.742	1.209	1.011
RIGHT WEB	0.000	5.240	5.029	5.029	5.029	5.030	5.030	5.030	5.031	5.031	5.031	5.032	5.032	5.032	5.033	5.033	5.034	5.034	5.034	5.035	5.035	5.035	5.036	5.036	5.036	5.037	5.037	5.037	5.038	5.038	5.038	5.039	5.039	5.039	5.039	5.040	5.040	5.041	5.041	5.041
LEFT WEB	0.000	5.165	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	4.956	4.956	4.956	4.956	4.956	5.165



SECTION A-A

LOOKING UP STATION

SECTION B-B

LOOKING UP STATION

TENDON PROFILE ELEVATION

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

LINE "A" REFERENCE ABSCISSA	131.534	140.211	145.211	150.211	155.211	160.211	165.211	170.211	175.211	180.211	185.211	190.211	195.421
TENDON 47 19K6 DISTANCE / BOTT. SLAB	6.332	7.594	8.061	7.879	7.267	6.653	6.040	5.426	4.813	4.199	3.585	2.972	2.332
TENDON 48 19K6 DISTANCE / BOTT. SLAB	4.827	7.172	8.042	7.744	6.731	5.716	4.700	3.685	2.669	1.742	1.209	1.011	0.833
CENTER WEB	0.000	8.680	5.002	5.002	5.002	5.002	5.002	5.003	5.003	5.003	5.003	5.003	5.214

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

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

M. B. Miller

9-17-81

STRESSING SEQUENCE	TENDON NO.	NO. OF TENDONS	TYPE	JACKING FORCE	ELONGATION LW	ELONGATION CW	ELONGATION RW	LENGTH LW	LENGTH CW	LENGTH RW
1st	42	2	19K6	828	1.302'		1.323'	194.45'		197.55'
2nd	43	2	19K6	828	1.277'		1.297'	194.71'		197.21'
3rd	41	2	19K6	828	1.309'		1.330'	194.43'		197.52'
4th	44	2	19K6	850	1.249'		1.269'	194.92'		198.02'
5th	47	1	19K6	828		0.470'			64.39'	
6th	48	1	19K6	850		0.465'			64.97'	
7th	45	2	19K6	861	1.059'		1.073'	151.49'		153.40'
8th	46	2	19K6	861	0.763'		0.772'	107.76'		108.93'

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

POST-TENSIONING LAYOUT UNIT IV

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:- 144 OF

PROJECT:- MM 220-1 (8)

CONTRACT NO. B-12752

BRIDGE FILE:- 912-45-2546 RWX

EUGENE C. FIGG JR. REGISTERED PROFESSIONAL ENGINEER STATE OF FLORIDA

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