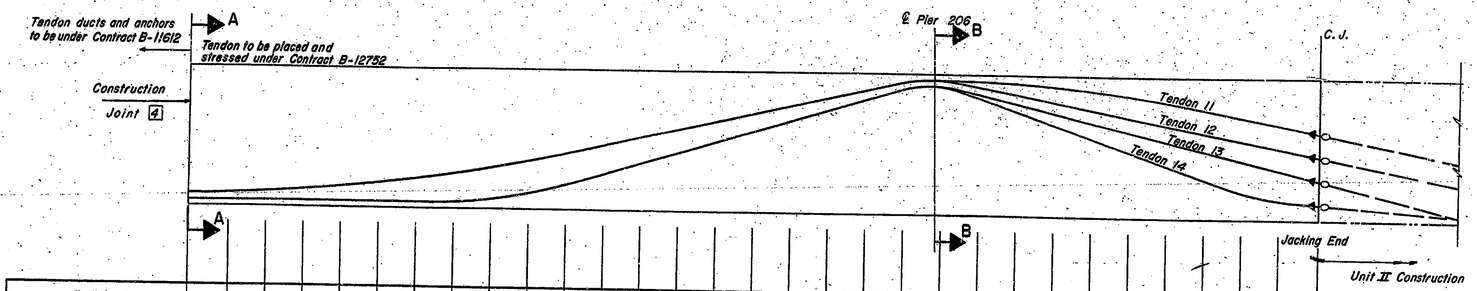


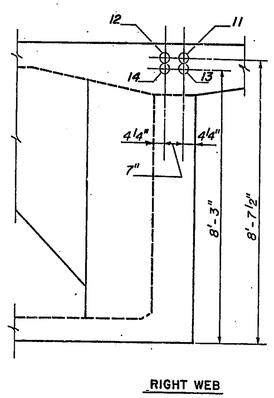
LINE "A" REFERENCE ABSCISSA	0.000	5.375	10.375	15.375	20.375	25.375	30.375	35.375	40.375	45.375	50.375	55.375	60.375	65.375	70.375	75.375	80.375	85.375	90.375	95.375	100.375	105.375	110.375	115.375	120.375	125.375	130.375	135.375	140.375	145.375	150.750
TENDON 11- 19K6 * DISTANCE /BOTT. SLAB	0.596	0.686	0.802	0.966	1.178	1.439	1.748	2.105	2.511	2.965	3.467	4.004	4.543	5.082	5.621	6.160	6.699	7.237	7.776	8.309	8.455	8.402	8.296	8.106	7.863	7.557	7.188	6.755	6.292	5.830	5.333
TENDON 12- 19K6 DISTANCE /BOTT. SLAB	0.596	0.686	0.802	0.966	1.178	1.439	1.748	2.105	2.511	2.965	3.467	4.004	4.543	5.082	5.621	6.160	6.699	7.237	7.776	8.309	8.426	8.026	7.564	7.102	6.640	6.177	5.715	5.253	4.791	4.329	3.833
TENDON 13- 19K6 DISTANCE /BOTT. SLAB	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.258	0.481	0.882	1.462	2.171	2.886	3.602	4.317	5.032	5.747	6.462	7.178	7.885	8.043	7.545	6.971	6.396	5.822	5.247	4.673	4.099	3.524	2.950	2.332
TENDON 14- 19K6 DISTANCE /BOTT. SLAB	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.258	0.481	0.882	1.462	2.171	2.886	3.602	4.317	5.032	5.747	6.462	7.178	7.885	8.024	7.301	6.468	5.634	4.800	3.967	3.133	2.299	1.521	1.045	0.833

TENDON PROFILE ELEVATION

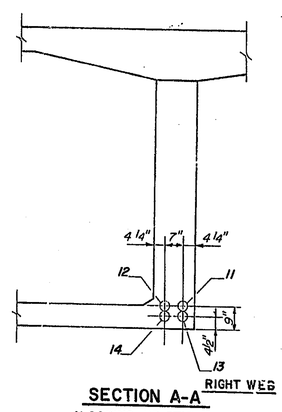
(Scale: vert 1/4" = 1'-0" Horiz. 1/8" = 1'-0")

LEGEND

- Dead End
- Jacking End
- Post-tensioning Coupler



SECTION B-B
(LOOKING UP STATION)



SECTION A-A
(LOOKING UP STATION)

* Distances given are from bottom of slab to bottom of tendon duct.

STRESSING SEQUENCE	TENDON NO.	NO. OF TENDONS	TYPE	JACKING FORCE	ELONGATION	LENGTH
1st	12	2	19K6	828	1.484'	224.577'
2nd	13	2	19K6	628	1.461'	224.628'
3rd	11	2	19K6	828	1.480'	224.485'
4th	14	2	19K6	861	1.426'	224.859'
5th	15	2	12K6	549	0.545'	75.15'

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.

DESIGNED	M.M. D.D.	CK'D.	M.M.
DRAWN	M.B.	CK'D.	G.R.
TRACED	M.B.	CK'D.	G.R.

APPROVED FOR CONSTRUCTION
W. R. ABBOTT
ASST. CONSTRUCTION ENGINEER
9-17-81

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

POST-TENSIONING LAYOUT - UNIT I

INDIANA STATE HIGHWAY COMMISSION

LAKE COUNTY - RAMP:- A SECTION:-
SCALE:- AS NOTED DATE:- June 29, 1981
SUBMITTED FOR APPROVAL Eugene C. Flagg Jr.
DRAWING:- OF SHEET:- 141 OF
PROJECT:- MM 220-1 (8)
CONTRACT NO. B-12752
BRIDGE FILE:- 912-45-2546 RWX

EUGENE C. FLAGG JR. REGISTERED No 25143 STATE OF INDIANA PROFESSIONAL ENGINEER