



TOP/WF ELEVATIONS *												
LOCATION BEAM						LOCATION BEAM						
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
E.B. ROADWAY	± BRG'S, PIER 7	3.886	4.050	4.169	4.227	4.178	4.056	4.158	4.240	4.259	4.213	4.147
	± PIER 8	3.738	3.903	4.021	4.080	4.030	3.860	3.961	4.044	4.062	4.016	3.950
	± FIELD SPLICE #1	3.698	3.862	3.981	4.039	3.990	3.807	3.909	3.991	4.009	3.963	3.897
	± PIER 9	3.546	3.711	3.830	3.888	3.839	3.708	3.810	3.892	3.911	3.865	3.799
	± FIELD SPLICE #2	3.506	3.671	3.789	3.847	3.798	3.668	3.770	3.852	3.870	3.824	3.758
	± FIELD SPLICE #3	3.395	3.560	3.678	3.737	3.687	3.517	3.618	3.701	3.719	3.673	3.607
	± PIER 10	3.355	3.519	3.638	3.696	3.647	3.476	3.578	3.660	3.678	3.632	3.567
	± FIELD SPLICE #4	3.204	3.368	3.487	3.545	3.496	3.324	3.425	3.508	3.526	3.480	3.414
	± PIER 11	3.163	3.328	3.446	3.504	3.455	± BRG'S, N.E. ABUT.					
	± BRG'S, S.W. ABUT.	3.010	3.175	3.293	3.352	3.303						

* ADD 620.000 TO ALL TOP/WF ELEVATIONS GIVEN.

DE LEHN, CATHER & CO. ENGINEERS
DESIGNED BY J.C. BRZY
DRAWN BY J.A. CHALKIS
CHECKED *[Signature]*
IN CHARGE E.S. MARTINS
APPROVED L.N. RIAN

JOB NO. 1179

TABLE OF MOMENTS & REACTIONS - TYP. INTERIOR BEAM - EAST BOUND ROADWAY																
	MOMENTS (FT. KIPS)							REACTIONS (KIPS)								
	.4 SPAN 1	PIER 8	.5 SPAN 2	PIER 9	.5 SPAN 3	PIER 10	.5 SPAN 4	PIER 11	.6 SPAN 5	PIER 13	PIER 7	PIER 8	PIER 9	PIER 10	PIER 11	S.W. ABUT.
DEAD LOAD	95	-194	106	-212	92	-216	101	-202	107	13	47	48	43	43	47	14
LIVE LOAD	234	-202	261	-230	255	-238	254	-211	249	34	43	43	43	43	34	34
IMPACT	70	-59	74	-65	72	-67	71	-62	75	10	13	12	12	13	10	
TOTAL	399	-455	441	-507	419	-521	426	-475	431	57	103	103	103	103	58	

TABLE OF MOMENTS & REACTIONS - TYP. INTERIOR BEAM - WEST BOUND ROADWAY													
	MOMENTS (FT. KIPS)							REACTIONS (KIPS)					
	.4 SPAN 6	PIER 19	.5 SPAN 7	PIER 20	.5 SPAN 8	PIER 21	.6 SPAN 9	PIER 18	PIER 19	PIER 20	PIER 21	N.W. ABUT.	
DEAD LOAD	169	-255	73	-175	105	-190	100	18	91	42	45	13	
LIVE LOAD	320	-233	236	-197	236	-187	223	33	40	39	39	31	
IMPACT	90	-65	67	-55	67	-54	67	9	11	11	11	9	
TOTAL	599	-553	376	-427	408	-431	390	60	102	92	95	53	

NOTE:
FOR 'BILL OF MATERIAL', SEE SH. 22

ILLINOIS DIVISION OF HIGHWAYS
SOUTHWEST EXPRESSWAY
LAWDALE AVE. OVER RAMP E
STEEL DETAILS AND ELEVATIONS
SCALE: AS NOTED DATE 7-20-63