

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EarthTech A tyco International Ltd. Company	F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	786	109 BR	La Salle	351	213
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract # 66607

SHEET NO. 13
89 SHEETS

GIRDER 3

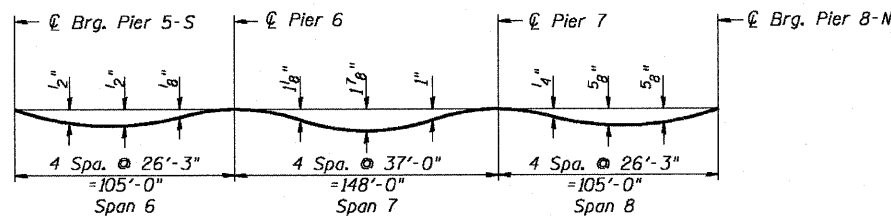
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
☉ Pier 5	83+72.00	-0.46	534.16	534.16
☉ Brg. Pier 5-S	83+73.00	-0.46	534.11	534.11
6A	83+83.00	-0.46	533.61	533.63
6B	83+93.00	-0.46	533.11	533.15
6C	84+03.00	-0.46	532.61	532.66
6D	84+13.00	-0.46	532.12	532.16
6E	84+23.00	-0.46	531.62	531.66
6F	84+33.00	-0.46	531.12	531.15
6G	84+43.00	-0.46	530.62	530.64
6H	84+53.00	-0.46	530.13	530.14
6I	84+63.00	-0.46	529.65	529.65
6J	84+73.00	-0.46	529.18	529.18
☉ Pier 6	84+78.00	-0.46	528.95	528.95
7A	84+88.00	-0.46	528.49	528.51
7B	84+98.00	-0.46	528.04	528.08
7C	85+08.00	-0.46	527.60	527.67
7D	85+18.00	-0.46	527.17	527.27
7E	85+28.00	-0.46	526.75	526.88
7F	85+38.00	-0.46	526.34	526.49
7G	85+48.00	-0.46	525.94	526.09
7H	85+58.00	-0.46	525.55	525.70
7I	85+68.00	-0.46	525.16	525.30
7J	85+78.00	-0.46	524.79	524.91
7K	85+88.00	-0.46	524.43	524.52
7L	85+98.00	-0.46	524.07	524.13
7M	86+08.00	-0.46	523.72	523.76
7N	86+18.00	-0.46	523.39	523.40
☉ Pier 7	86+26.00	-0.46	523.12	523.12
8A	86+36.00	-0.46	522.80	522.80
8B	86+46.00	-0.46	522.49	522.50
8C	86+56.00	-0.46	522.19	522.21
8D	86+66.00	-0.46	521.90	521.94
8E	86+76.00	-0.46	521.62	521.67
8F	86+86.00	-0.46	521.34	521.40
8G	86+96.00	-0.46	521.08	521.13
8H	87+06.00	-0.46	520.82	520.87
8I	87+16.00	-0.46	520.58	520.61
8J	87+26.00	-0.46	520.34	520.35
☉ Brg. Pier 8-N	87+31.00	-0.46	520.23	520.23
☉ Pier 8	87+32.00	-0.46	520.20	520.20

☉ ROADWAY & PG

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
☉ Pier 5	83+72.00	0.00	534.16	534.16
☉ Brg. Pier 5-S	83+73.00	0.00	534.11	534.11
6A	83+83.00	0.00	533.62	533.64
6B	83+93.00	0.00	533.12	533.15
6C	84+03.00	0.00	532.62	532.66
6D	84+13.00	0.00	532.12	532.17
6E	84+23.00	0.00	531.63	531.67
6F	84+33.00	0.00	531.13	531.16
6G	84+43.00	0.00	530.63	530.65
6H	84+53.00	0.00	530.14	530.15
6I	84+63.00	0.00	529.66	529.66
6J	84+73.00	0.00	529.19	529.18
☉ Pier 6	84+78.00	0.00	528.96	528.96
7A	84+88.00	0.00	528.50	528.51
7B	84+98.00	0.00	528.05	528.09
7C	85+08.00	0.00	527.61	527.68
7D	85+18.00	0.00	527.18	527.28
7E	85+28.00	0.00	526.76	526.89
7F	85+38.00	0.00	526.35	526.49
7G	85+48.00	0.00	525.95	526.10
7H	85+58.00	0.00	525.56	525.71
7I	85+68.00	0.00	525.17	525.31
7J	85+78.00	0.00	524.80	524.92
7K	85+88.00	0.00	524.43	524.52
7L	85+98.00	0.00	524.08	524.14
7M	86+08.00	0.00	523.73	523.76
7N	86+18.00	0.00	523.39	523.40
☉ Pier 7	86+26.00	0.00	523.13	523.13
8A	86+36.00	0.00	522.81	522.81
8B	86+46.00	0.00	522.50	522.51
8C	86+56.00	0.00	522.20	522.22
8D	86+66.00	0.00	521.91	521.94
8E	86+76.00	0.00	521.62	521.67
8F	86+86.00	0.00	521.35	521.41
8G	86+96.00	0.00	521.09	521.14
8H	87+06.00	0.00	520.83	520.88
8I	87+16.00	0.00	520.58	520.62
8J	87+26.00	0.00	520.35	520.36
☉ Brg. Pier 8-N	87+31.00	0.00	520.23	520.23
☉ Pier 8	87+32.00	0.00	520.21	520.21

GIRDER 4

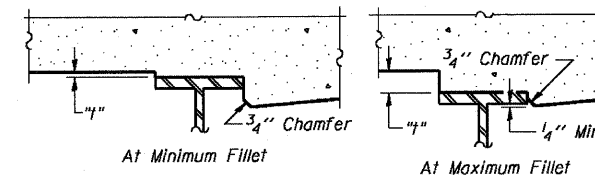
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
☉ Pier 5	83+72.00	6.54	534.06	534.06
☉ Brg. Pier 5-S	83+73.00	6.54	534.01	534.01
6A	83+83.00	6.54	533.51	533.53
6B	83+93.00	6.54	533.02	533.05
6C	84+03.00	6.54	532.52	532.56
6D	84+13.00	6.54	532.02	532.07
6E	84+23.00	6.54	531.52	531.56
6F	84+33.00	6.54	531.03	531.06
6G	84+43.00	6.54	530.53	530.55
6H	84+53.00	6.54	530.04	530.04
6I	84+63.00	6.54	529.56	529.56
6J	84+73.00	6.54	529.09	529.08
☉ Pier 6	84+78.00	6.54	528.85	528.85
7A	84+88.00	6.54	528.40	528.41
7B	84+98.00	6.54	527.95	527.99
7C	85+08.00	6.54	527.51	527.58
7D	85+18.00	6.54	527.08	527.18
7E	85+28.00	6.54	526.66	526.78
7F	85+38.00	6.54	526.25	526.39
7G	85+48.00	6.54	525.85	526.00
7H	85+58.00	6.54	525.45	525.60
7I	85+68.00	6.54	525.07	525.21
7J	85+78.00	6.54	524.70	524.81
7K	85+88.00	6.54	524.33	524.42
7L	85+98.00	6.54	523.98	524.04
7M	86+08.00	6.54	523.63	523.66
7N	86+18.00	6.54	523.29	523.30
☉ Pier 7	86+26.00	6.54	523.03	523.03
8A	86+36.00	6.54	522.71	522.71
8B	86+46.00	6.54	522.40	522.41
8C	86+56.00	6.54	522.10	522.12
8D	86+66.00	6.54	521.80	521.84
8E	86+76.00	6.54	521.52	521.57
8F	86+86.00	6.54	521.25	521.31
8G	86+96.00	6.54	520.98	521.04
8H	87+06.00	6.54	520.73	520.78
8I	87+16.00	6.54	520.48	520.51
8J	87+26.00	6.54	520.24	520.26
☉ Brg. Pier 8-N	87+31.00	6.54	520.13	520.13
☉ Pier 8	87+32.00	6.54	520.12	520.12



DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete only.)

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown above.

DESIGNED - DEV
CHECKED - RJC
DRAWN - JHR
CHECKED - RJC



To determine "H": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown above, minus slab thickness, equals the fillet heights "H" above top flange of girders.

FILLET HEIGHTS

TOP OF SLAB ELEVATIONS
UNIT 3 (2 OF 3)
IL. 170 F.A.P. 786 OVER
ILLINOIS RIVER AT SENECA
PUBLIC WATERS
LA SALLE COUNTY, SECTION 109 BR
STATION 79+04.42
STRUCTURE NO. 050-0246