

BEAM NO. 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of West Diaphragm	187+17.24	-18.67	651.47	651.47
☉ Bearing West Abutment	187+20.01	-18.67	651.46	651.46
A	187+28.65	-18.67	651.43	651.46
B	187+37.30	-18.67	651.40	651.44
C	187+45.95	-18.67	651.37	651.40
☉ Bearing East Abutment	187+54.59	-18.67	651.34	651.34
Bk. of East Diaphragm	187+57.36	-18.67	651.33	651.33

BEAM NO. 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of West Diaphragm	187+19.72	-13.34	651.55	651.55
☉ Bearing West Abutment	187+22.49	-13.34	651.54	651.54
A	187+31.13	-13.34	651.51	651.54
B	187+39.78	-13.34	651.47	651.52
C	187+48.43	-13.34	651.44	651.47
☉ Bearing East Abutment	187+57.07	-13.34	651.41	651.41
Bk. of East Diaphragm	187+59.84	-13.34	651.40	651.40

BEAM NO. 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of West Diaphragm	187+22.21	-8.00	651.62	651.62
☉ Bearing West Abutment	187+24.98	-8.00	651.61	651.61
A	187+33.62	-8.00	651.61	651.61
B	187+42.27	-8.00	651.59	651.59
C	187+50.92	-8.00	651.55	651.55
☉ Bearing East Abutment	187+59.56	-8.00	651.49	651.49
Bk. of East Diaphragm	187+62.33	-8.00	651.48	651.48

BEAM NO. 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of West Diaphragm	187+24.70	-2.67	651.70	651.70
☉ Bearing West Abutment	187+27.47	-2.67	651.69	651.69
A	187+36.11	-2.67	651.65	651.69
B	187+44.76	-2.67	651.62	651.66
C	187+53.41	-2.67	651.59	651.62
☉ Bearing East Abutment	187+62.05	-2.67	651.56	651.56
Bk. of East Diaphragm	187+64.82	-2.67	651.55	651.55

☉ BRIDGE & P.G.L.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of West Diaphragm	187+25.94	0.00	651.73	651.73
☉ Bearing West Abutment	187+28.71	0.00	651.72	651.72
A	187+37.35	0.00	651.69	651.72
B	187+46.00	0.00	651.66	651.70
C	187+54.65	0.00	651.63	651.66
☉ Bearing East Abutment	187+63.29	0.00	651.60	651.60
Bk. of East Diaphragm	187+66.06	0.00	651.59	651.59

BEAM NO. 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of West Diaphragm	187+27.18	+2.67	651.69	651.69
☉ Bearing West Abutment	187+29.95	+2.67	651.68	651.68
A	187+38.59	+2.67	651.65	651.68
B	187+47.24	+2.67	651.61	651.66
C	187+55.89	+2.67	651.58	651.61
☉ Bearing East Abutment	187+64.53	+2.67	651.55	651.55
Bk. of East Diaphragm	187+67.30	+2.67	651.54	651.54

BEAM NO. 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of West Diaphragm	187+29.67	+8.00	651.59	651.59
☉ Bearing West Abutment	187+32.44	+8.00	651.58	651.58
A	187+41.08	+8.00	651.55	651.58
B	187+49.73	+8.00	651.52	651.56
C	187+58.38	+8.00	651.49	651.52
☉ Bearing East Abutment	187+67.02	+8.00	651.46	651.46
Bk. of East Diaphragm	187+69.79	+8.00	651.45	651.45

BEAM NO. 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of West Diaphragm	187+32.16	+13.34	651.50	651.50
☉ Bearing West Abutment	187+34.93	+13.34	651.49	651.49
A	187+43.57	+13.34	651.46	651.49
B	187+52.22	+13.34	651.43	651.47
C	187+60.87	+13.34	651.40	651.43
☉ Bearing East Abutment	187+69.51	+13.34	651.37	651.37
Bk. of East Diaphragm	187+72.28	+13.34	651.36	651.36

BEAM NO. 8

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of West Diaphragm	187+34.64	+18.67	651.41	651.41
☉ Bearing West Abutment	187+37.41	+18.67	651.40	651.40
A	187+46.05	+18.67	651.37	651.40
B	187+54.70	+18.67	651.34	651.38
C	187+63.35	+18.67	651.31	651.34
☉ Bearing East Abutment	187+71.99	+18.67	651.28	651.28
Bk. of East Diaphragm	187+74.76	+18.67	651.27	651.27

Notes:
See S-5 for Elevation Locations

REV. NO.	DATE	REVISION RECORD	MADE BY	CHECKED BY
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	Wiss, Janney, Elstner Associates, Inc. Engineers, Architects, Material Scientists 330 Pfingsten Road, Northbrook, IL 60062 (847) 272-7400, Fax: (847) 291-4813 WJE No. 2006.2324
	 THE CITY OF LAKE FOREST CHARTERED 1861 ILLINOIS DEPARTMENT OF TRANSPORTATION BUREAU OF LOCAL ROADS AND STREETS
PROJECT: OLD ELM ROAD OVER EAST SKOKIE DITCH STA. 187+46 LAKE COUNTY STRUCTURE NO. 049-6870	
TITLE: TOP OF SLAB ELEVATION	
SCALE: N.T.S. DATE: JANUARY 2008	DRAWN BY: IMG CHECKED BY: NSA