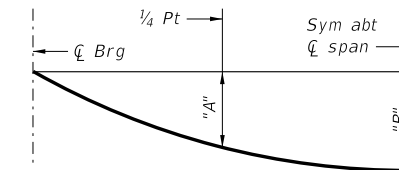


TABLE OF DEAD LOAD DEFLECTIONS

TYPE T _x 28 GIRDERS			TYPE T _x 34 GIRDERS			TYPE T _x 40 GIRDERS			TYPE T _x 46 GIRDERS			TYPE T _x 54 GIRDERS		
SPAN LENGTH	"A"	"B"	SPAN LENGTH	"A"	"B"	SPAN LENGTH	"A"	"B"	SPAN LENGTH	"A"	"B"	SPAN LENGTH	"A"	"B"
Ft	Ft	Ft	Ft	Ft	Ft	Ft	Ft	Ft	Ft	Ft	Ft	Ft	Ft	Ft
40	0.010	0.014	40	0.006	0.008	40	0.004	0.006	40	0.003	0.004	40	0.001	0.002
45	0.016	0.023	45	0.010	0.014	45	0.006	0.009	45	0.004	0.006	45	0.003	0.004
50	0.026	0.036	50	0.016	0.022	50	0.010	0.014	50	0.007	0.010	50	0.004	0.006
55	0.038	0.054	55	0.023	0.032	55	0.015	0.021	55	0.010	0.014	55	0.006	0.009
60	0.055	0.077	60	0.033	0.046	60	0.021	0.030	60	0.014	0.020	60	0.010	0.014
65	0.076	0.107	65	0.046	0.064	65	0.030	0.042	65	0.021	0.029	65	0.014	0.019
			70	0.062	0.087	70	0.041	0.057	70	0.028	0.039	70	0.019	0.026
			75	0.082	0.115	75	0.053	0.075	75	0.036	0.051	75	0.024	0.034
			80	0.107	0.150	80	0.070	0.098	80	0.048	0.067	80	0.031	0.044
						85	0.090	0.126	85	0.061	0.086	85	0.041	0.057
						90	0.113	0.159	90	0.078	0.109	90	0.051	0.072
									95	0.096	0.135	95	0.063	0.089
									100	0.119	0.167	100	0.078	0.110
									105	0.145	0.204	105	0.096	0.135
									110			110	0.116	0.163
									115			115	0.139	0.195
									120			120	0.165	0.232



DEAD LOAD DEFLECTION DIAGRAM

Calculated deflections shown are due to the concrete slab on interior girders only ($E_c = 5000$ ksi). Adjust values as required for exterior girders and if optional slab forming is used. These values may require field verification.

TABLE OF ESTIMATED QUANTITIES

SPAN LENGTH	REINF CONCRETE SLAB	Prestressed Concrete Girders			TOTAL REINF STEEL (5)
		ABUT TO INT BT (4)	INT BT TO INT BT (4)	ABUT TO ABUT (4)	
Ft	SF	LF	LF	LF	Lb
40	1,680	197.46	197.50	197.41	3,864
45	1,890	222.46	222.50	222.41	4,347
50	2,100	247.46	247.50	247.41	4,830
55	2,310	272.46	272.50	272.41	5,313
60	2,520	297.46	297.50	297.41	5,796
65	2,730	322.46	322.50	322.41	6,279
70	2,940	347.46	347.50	347.41	6,762
75	3,150	372.46	372.50	372.41	7,245
80	3,360	397.46	397.50	397.41	7,728
85	3,570	422.46	422.50	422.41	8,211
90	3,780	447.46	447.50	447.41	8,694
95	3,990	472.46	472.50	472.41	9,177
100	4,200	497.46	497.50	497.41	9,660
105	4,410	522.46	522.50	522.41	10,143
110	4,620	547.46	547.50	547.41	10,626
115	4,830	572.46	572.50	572.41	11,109
120	5,040	597.46	597.50	597.41	11,592

- Fabricator will adjust lengths for girder slopes as required.
- Reinforcing steel weight is calculated using an approximate factor of 2.3 lbs/SF.

MATERIAL NOTES:

GENERAL NOTES:

See I-Girder Thickened Slab End D for details and quantity adjustments.
 See Prestressed Concrete Panels (PCP) standard and Prestressed Concrete Panel Fabrication Details (PCP-FAB) standard for panel details not shown.
 See I-Girder Miscellaneous Slab Details (IGMS) standard for miscellaneous details.
 See applicable rail details for rail anchorage in slab.
 See Permanent Metal Deck Forms (PMDF) standard for details and quantity adjustments if this option is used.
 This standard is drawn showing right forward skew.
 See Bridge Layout for actual skew direction.
 This standard does not support the use of transition bents.

Cover dimensions are clear dimensions, unless noted otherwise.

HL93 LOADING

SHEET 2 OF 2



PRESTRESSED CONCRETE I-GIRDER SPANS (TYPE T_x28 THRU T_x54) 40' ROADWAY 15° SKEW

SIG-40-15

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REVISIONS				
DIST	COUNTY			SHEET NO.

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