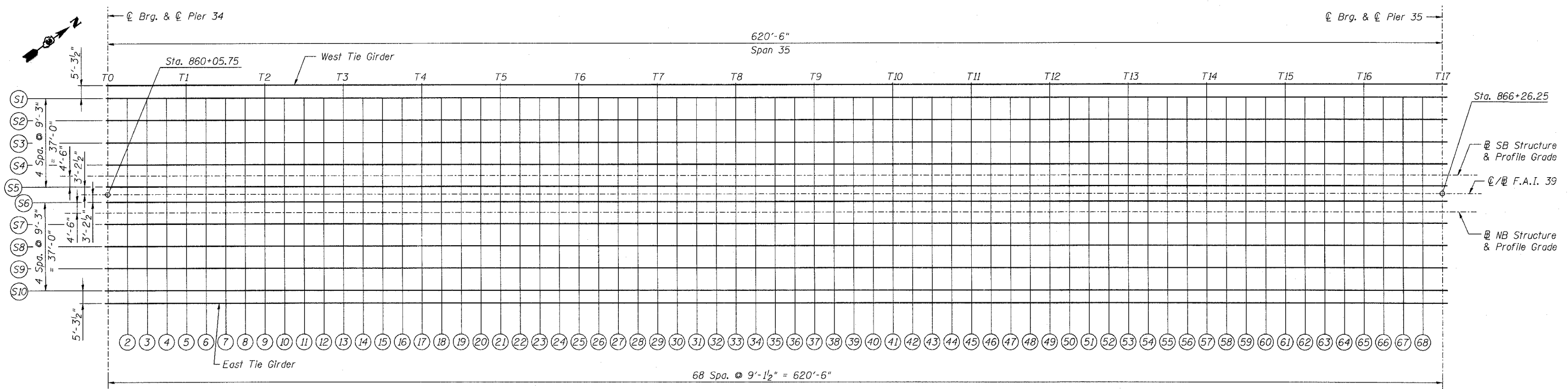


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET
F.A.I. 39	50-4B	LASALLE	99	77
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

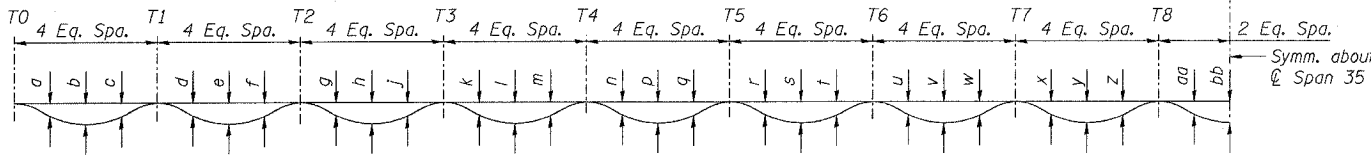
Contract # 66586



PLAN

DEAD LOAD DEFLECTION TABLE - STRINGERS

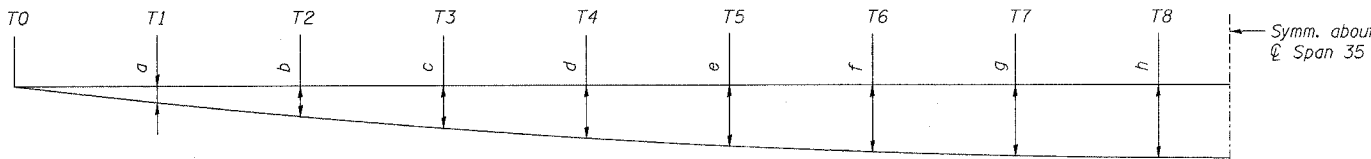
Stringer	a	b	c	d	e	f	g	h	j	k	l	m	n	p	q	r	s	t	u	v	w	x	y	z	aa	bb
S1, S5, S6 & S10	1/8"	1/8"	1/8"	0	1/8"	0	0	1/8"	0	1/8"	1/8"	1/8"	0	1/8"	0	0	1/8"	0	1/8"	1/8"	1/8"	0	1/8"	0	0	1/8"
S2 - S4 & S7 - S9	1/8"	1/8"	1/8"	0	1/8"	0	0	0	0	0	1/8"	1/8"	0	1/8"	0	0	1/8"	0	0	1/8"	1/8"	0	1/8"	0	0	1/8"



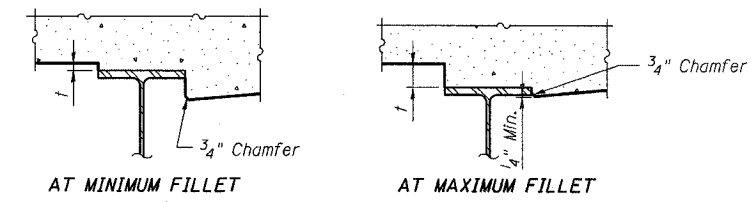
DEAD LOAD DEFLECTION DIAGRAM - STRINGERS
(Due to weight of concrete only)

DEAD LOAD DEFLECTION TABLE - TIE GIRDERS

Tie Girder	a	b	c	d	e	f	g	h
East Tie Girder	7/8"	1 5/8"	2 3/8"	2 7/8"	3 3/8"	3 3/4"	4"	4 1/8"
West Tie Girder	7/8"	1 5/8"	2 3/8"	3"	3 1/2"	3 7/8"	4"	4 1/8"



DEAD LOAD DEFLECTION DIAGRAM - TIE GIRDERS

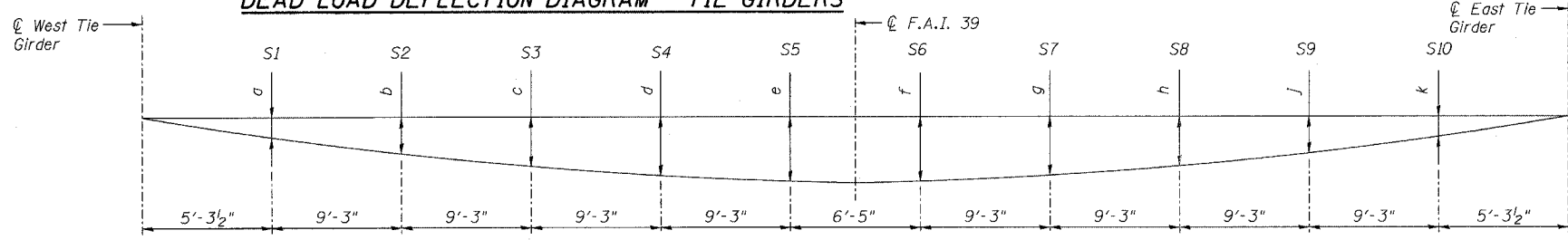


AT MINIMUM FILLET
AT MAXIMUM FILLET
To determine "t": After all structural steel has been erected, elevations at the top of flanges of the girders shall be taken at intervals shown on this sheet. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets 78 thru 83, minus slab thickness, equals the fillet heights "t" above top flange of girders.

FILLET HEIGHTS

NOTES:

1. Dead load deflections used for the Dead Load Deflection Diagram and the tabulated Elevation Adjusted for Dead Load Deflection are based on the pour sequence shown on sheet 21. If the pour is modified, the dead load deflections must be recalculated and approved by the Engineer. See General Notes.
2. For stations and top of slab elevations see sheets 78 thru 83.



DEAD LOAD DEFLECTION DIAGRAM - FLOOR BEAMS
(Due to weight of concrete only)

DEAD LOAD DEFLECTION TABLE - FLOOR BEAMS

Floor Beam	a	b	c	d	e	f	g	h	j	k
T0 & T17	0	1/8"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/8"	0
T1, T3, T5, T6, T8, T9, T11, T12, T14 & T16	1/8"	3/8"	1/2"	5/8"	5/8"	5/8"	1/2"	1/2"	3/8"	1/8"
T2 & T15	1/8"	3/8"	1/2"	5/8"	5/8"	5/8"	1/2"	1/2"	1/4"	1/8"
T4, T7, T10 & T13	1/8"	1/4"	1/2"	1/2"	5/8"	1/2"	1/2"	3/8"	1/4"	1/8"

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 on sheets 78 thru 83.

DESIGNED -	HAA
CHECKED -	HMA
DRAWN -	RMG
CHECKED -	MRB

SCREED PLAN - SPAN 35
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

benesch
alfred benesch & company
Engineers - Surveyors - Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
Job # 3856

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