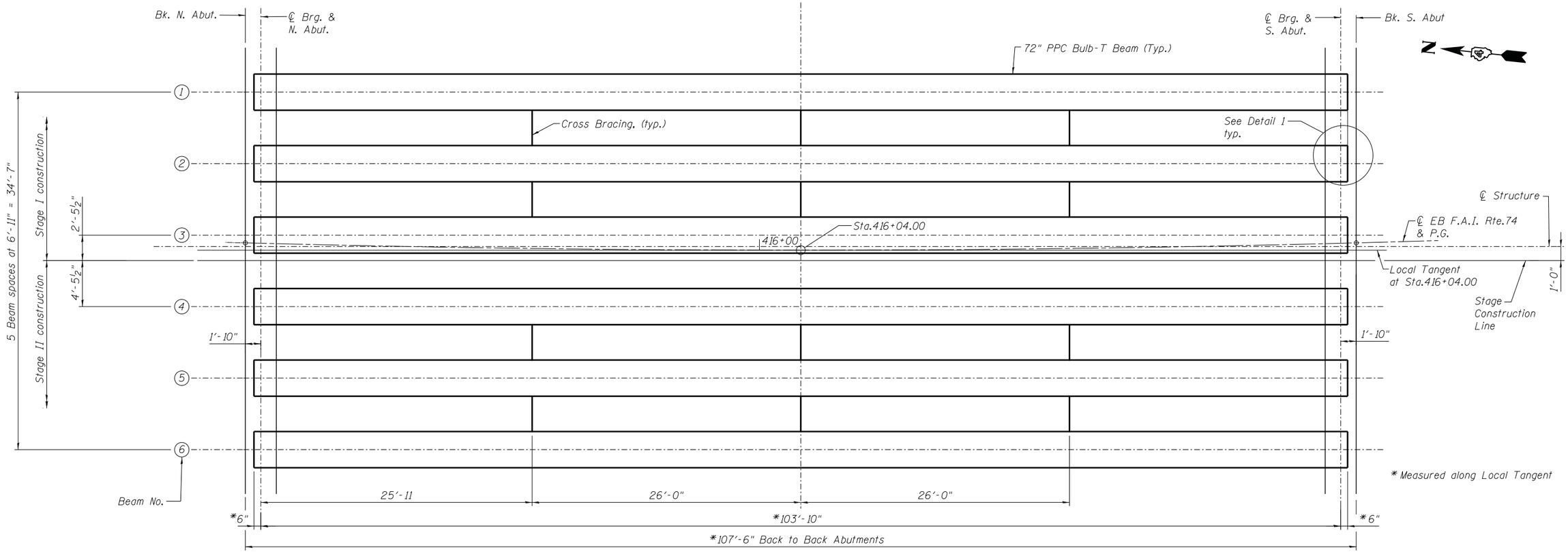
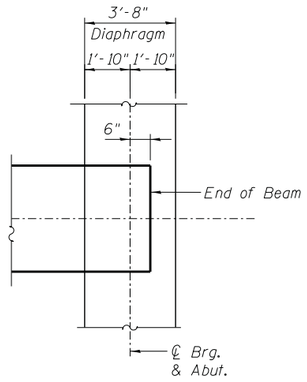


PLAN



DETAIL 1

INTERIOR BEAM MOMENT TABLE		0.5 Sp. 1
I	(in^4)	545894
I'	(in^4)	1043629
S_b	(in^3)	14915
S_b'	(in^3)	19847
S_t	(in^3)	15421
S_t'	(in^3)	53747
DC1	(k/')	1.534
M_{DC1}	('k)	2068.1
DC2	(k/')	0.173
M_{DC2}	('k)	233.6
DW	(k/')	0.333
M_{DW}	('k)	449.3
M_{L+IM}	('k)	1869

INTERIOR BEAM REACTION TABLE		Abut.
R_{DC1}	(k)	79.7**
R_{DC2}	(k)	9.0
R_{DW}	(k)	17.3
R_{L+IM}	(k)	89.0
R_{Total}	(k)	195.0

** End Diaphragm Load is excluded

I: Non-composite moment of inertia of beam section ($in.^4$).
I': Composite moment of inertia of beam section ($in.^4$).
S_b: Non-composite section modulus for the bottom fiber of the prestressed beam ($in.^3$).
S_b': Composite section modulus for the bottom fiber of the prestressed beam ($in.^3$).
S_t: Non-composite section modulus for the top fiber of the prestressed beam ($in.^3$).
S_t': Composite section modulus for the top fiber of the prestressed beam ($in.^3$).
DC1: Un-factored non-composite dead load (kips/ft.).
M_{DC1}: Un-factored moment due to non-composite dead load (kip-ft.).
DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
M_{DC2}: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
M_{DW}: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft).
M_{L+IM}: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

FILE NAME = ...\0480090-68084-017-Framing.dgn	DESIGNED EV	REVISED -
	DRAWN JCP	REVISED -
PLOT TIME = 4:31:28 PM	CHECKED PC	REVISED -
PLOT DATE = 7/30/2014	DATE 05 03 2013	REVISED -

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600 WEST FULTON STREET
CHICAGO, ILLINOIS
60661-1259
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN
STRUCTURE NO. 048-0090
SHEET NO. S17 OF S25 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	48-1(25B)BR, BR-1]	KNOX	131	38
		CONTRACT NO. 68B85		
	ILLINOIS FED. AID PROJECT			