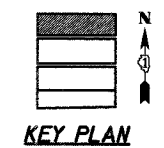
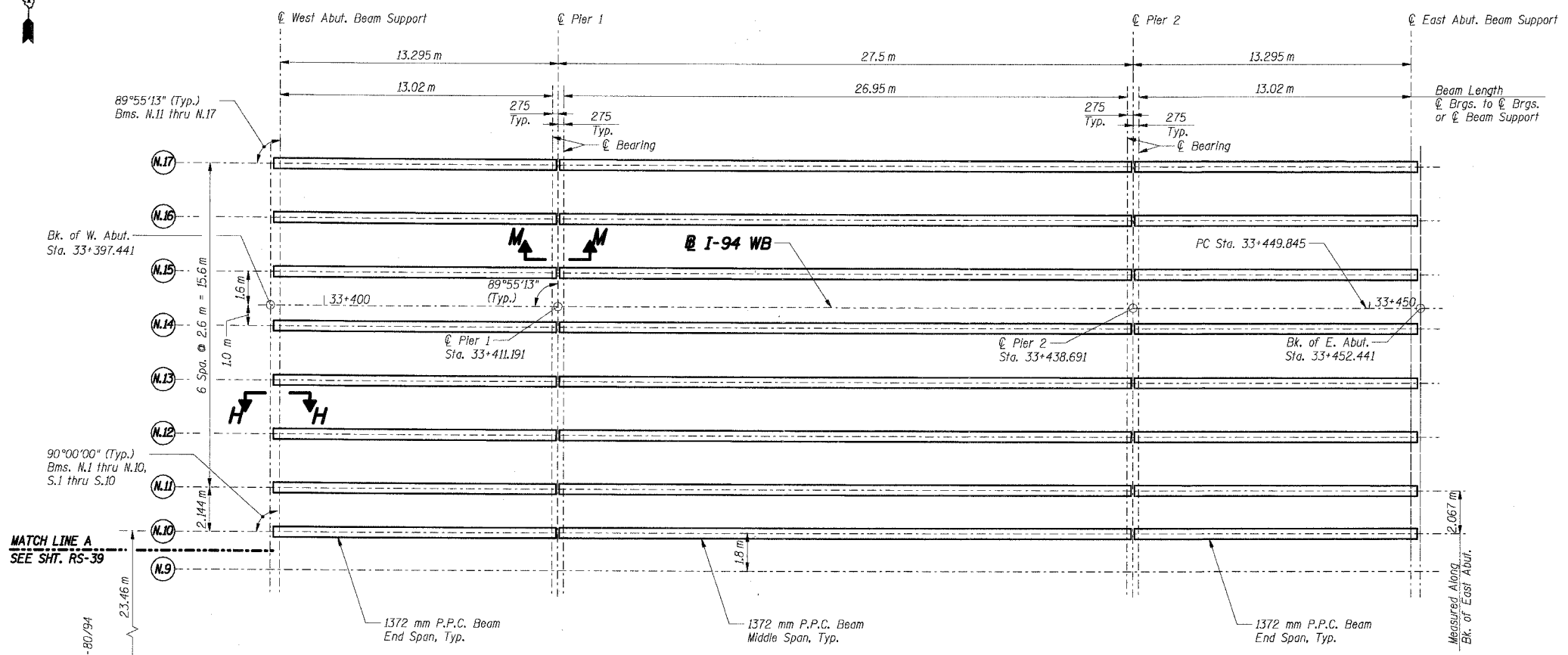


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94		COOK	631	410
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• (2425 & 2626) R-2		CONTRACT NO. 62110		



THIS SHEET FOR INFORMATION ONLY

FRAMING PLAN
(FOR INFORMATION ONLY)
(CONSTRUCTED IN PREVIOUS CONTRACT 62110)

	0.4 Span 1 0.6 Span 3	Pier 1 or Pier 2	0.5 Span 2
I	88955		88955
I'	222098		222098
Sb	140257		140257
Sb'	212887		212887
St	120642		120642
St'	676442		676442
D	21.61		21.61
M _D	463		2043
s _D	7.66	7.66	7.66
M _{sD}	10	385	300
M _L	457	659	794
M (Imp)	137	171	184

	Abut.	Pier 1 Span 1 Pier 2 Span 3	Pier 1 Span 2 Pier 2 Span 2
R _D	144	144	297
R _{sD}	22	192*	192*
R _L	188	250*	250*
Imp.	57	66	66
R (Total)	411	652	805

* Beam reaction values at piers reflect the total pier reaction to superimposed loads acting through either bearing at pier.

Notes:

- I and I' are the moment of inertia and composite moment of inertia of the beam section.
- Sb and Sb' are the non-composite and composite section modulus for the bottom fiber of the prestressed beam.
- St and St' are the non-composite and composite section modulus for the top fiber of the prestressed beam.
- M_D is the moment due to dead loads on the non-composite prestressed beam. It is conservatively calculated at 0.5 of the span.
- M_{sD} is the moment due to dead loads on the composite section.
- M_L is the moment due to live load on the composite section.
- M (Imp) is the moment due to live load impact on the composite section.

Notes:

- 1. All dimensions are in millimeters (mm) except as noted.
- 2. For Section H-H, see Sht. RS-28.
- 3. For Section M-M, see Sht. RS-32.

SHT. RS-38 OF 70

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)
EB & WB INSIDE LANES (MAINLINE) CONSTRUCTION
I-80/94 OVER RAILROAD AVENUE
STRUCTURE NO. 016-2792 STA. 6+025.000
SECTION 1977-121-R
COOK COUNTY

FRAMING PLAN - I

DATE: 7/18/2005

DRAWN BY: PA
CHECKED BY: MJK

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

\\FP99M02A.DGN, \\FP99M02A.DGN, \\V89902A.DGN, \\V89902A.DGN, \\SL99R042A.DGN, \\V899042A.DGN, \\V899042A.DGN
 7-2-2005, 10:25:49
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