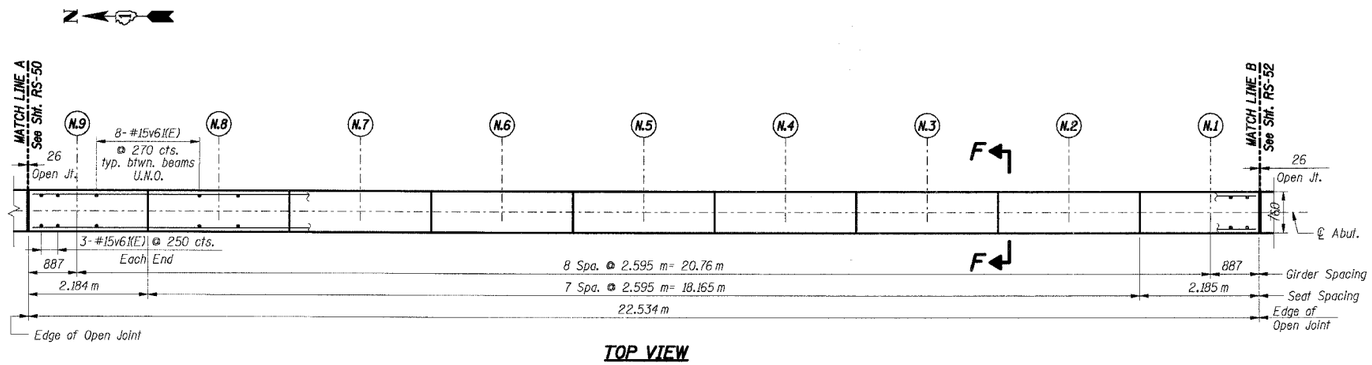
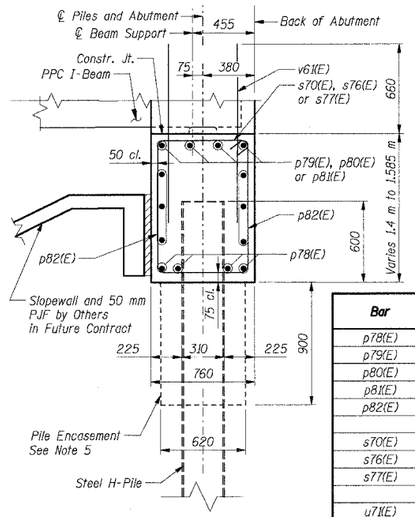
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	631	423
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

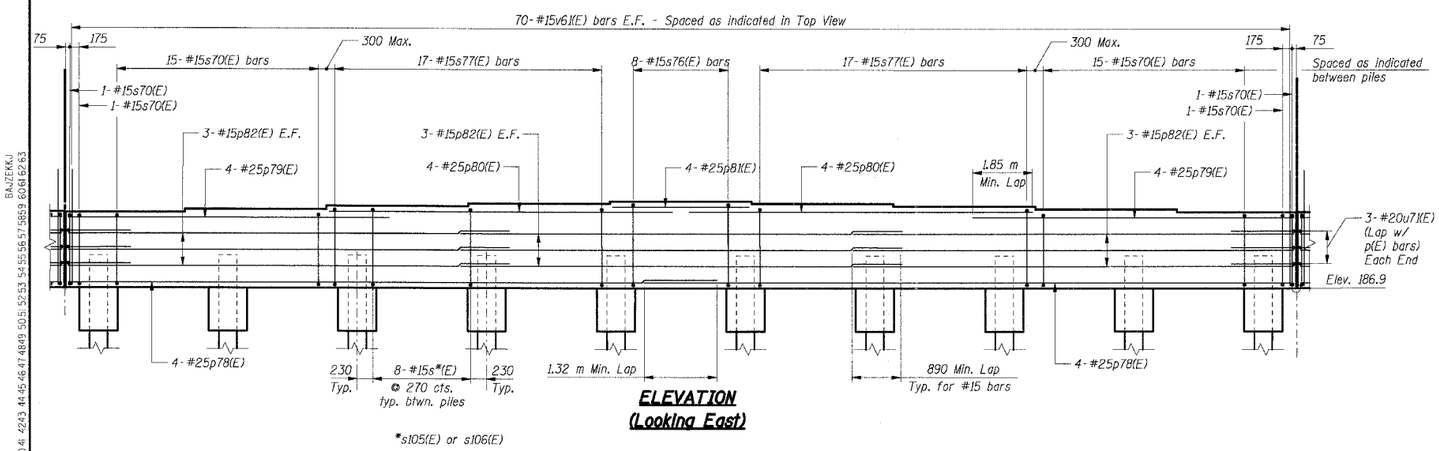
* (2425 & 2626) R-2 CONTRACT NO. 62111



TOP VIEW

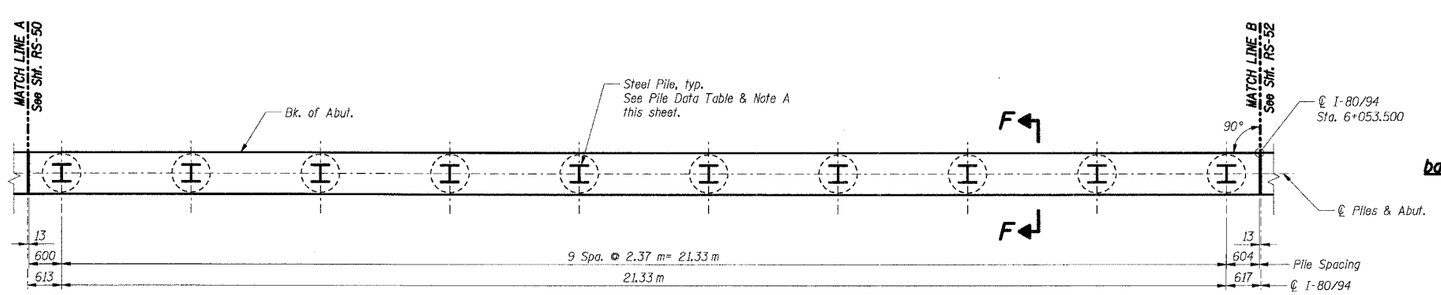


SECTION F-F



ELEVATION (Looking East)

*s105(E) or s106(E)



FOOTING PLAN

BEARING SEAT ELEVATIONS

Girder	East Abutment	Steps
N.9	188.300	
N.8	188.350	50
N.7	188.400	50
N.6	188.450	50
N.5	188.485	35
N.4	188.450	35
N.3	188.400	50
N.2	188.350	50
N.1	188.300	50

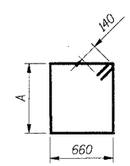
BAR LIST

Bar	No.	Size	Length (m)	Shape
p78(E)	8	#25	11.88	———
p79(E)	8	#25	6.58	———
p80(E)	8	#25	6.99	———
p81(E)	4	#25	2.49	———
p82(E)	18	#15	8.07	———
s70(E)	34	#15	4.14	⊡
s76(E)	8	#15	4.50	⊡
s77(E)	34	#15	4.34	⊡
u71(E)	6	#20	2.85	⊔
v61(E)	140	#15	1.32	———

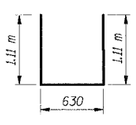
BILL OF MATERIAL

Item	Unit	Total
Concrete Structures	Cu m	25.7
Reinforcement Bars, Epoxy Coated	kg	1,910
Structure Excavation	Cu m	0

Bar	A (m)
s70(E)	1.27
s76(E)	1.45
s77(E)	1.37



bars s70(E), s76(E) and s77(E)



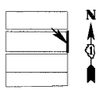
bar u71(E)

PILE DATA

(See Note A below)

Type: HP 310x79
Design Capacity: 600 kN
Required Bearing: 900 kN
Est. Length: 27 m
No. Required: 10

NOTE A:
Pile driving shall not begin until full embankment has been in place for at least 60 days



KEY PLAN

Notes:

1. All dimensions are in millimeters (mm) except as noted.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. E.F. indicates each face.
4. Work this sheet with sheets RS-50 and RS-52.
5. For Pile Encasement details, see sheet RS-3.

SHT. RS-51 OF 70

REVISIONS	
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

EAST ABUTMENT PLAN, ELEVATION & SECTION - II

DATE: 7/18/2005 DRAWN BY: LS CHECKED BY: TCU

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

\\AB99RO32A.DGN: ..\AB99M32A.DGN: ..\AB99BO12A.DGN: ..\SL9952042A.DGN: ..\AB3M32A.DGN
7-12-2005, 16:25:59 I:\DOCUMENT\301750\STRUCTURE\AB1T192A.DGN BAUZEKKJ