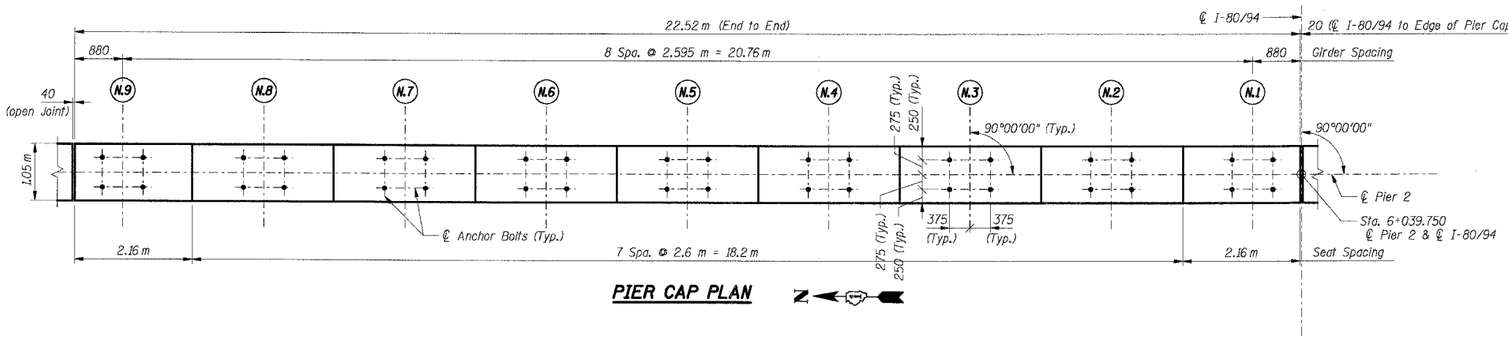
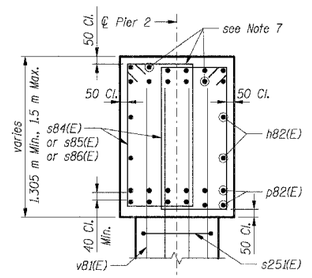
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	•	COOK	631	433
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
• (2425 & 2626) R-2			CONTRACT NO. 62111	



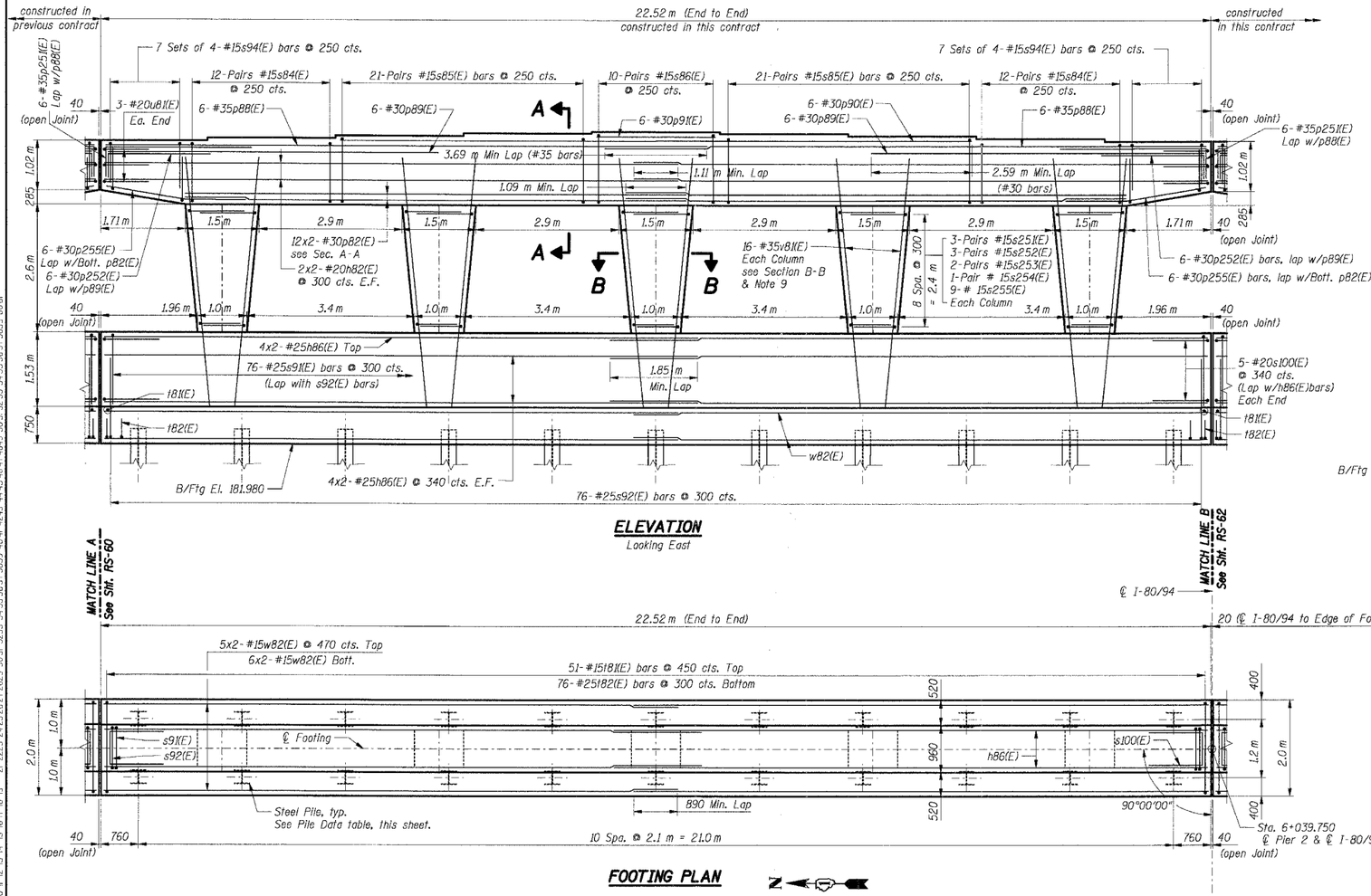
PIER CAP PLAN

Bearing Seat Elevation

Girders	Elevations
N.1	188.165
N.2	188.225
N.3	188.275
N.4	188.325
N.5	188.360
N.6	188.325
N.7	188.275
N.8	188.225
N.9	188.165

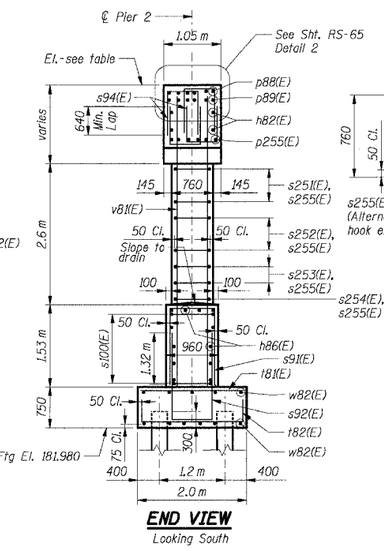


SECTION A-A

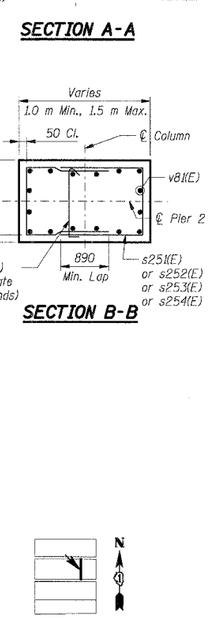


ELEVATION
Looking East

FOOTING PLAN



END VIEW
Looking South



SECTION B-B

KEY PLAN

PILE DATA

Type: HP 310 x 79
Design Capacity: 600 kN
Required Bearing: 900 kN
Est. Length: 21 m
No. Required: 21 + 1 Test Pile

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. All edges shall have 20 mm chamfers except as noted.
5. For Bar list, details & Bill of Material, see Sht. RS-65.
6. Work this sheet with Shts. RS-60 & RS-62.
7. Space reinforcement in cap to miss anchor bolts. See Sht. RS-45 for Anchor Bolt details.
8. Bars indicated thus 6x2-#15 etc. indicates 6 lines of bars with 2 lengths per line.
9. All column "v" bars shall be firmly tied and fixed in position prior to casting crosshwall portion of pier.

SHT. RS-61 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

PIER 2
PLAN, ELEVATION & SECTION - II

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

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

\\FP99R047A.DGN, \\HR99R02A.DGN, \\FP99MI02A.DGN, \\FP99R02A.DGN, \\PI99R02A.DGN, \\GP99R047A.DGN, \\FP99R02A.DGN, \\PI99R02A.DGN, \\AB99B02A.DGN, \\PI73092A.DGN, \\PI73092A.DGN, \\FP99R047A.DGN, \\HR99R02A.DGN, \\FP99MI02A.DGN, \\FP99R02A.DGN, \\PI99R02A.DGN, \\GP99R047A.DGN, \\FP99R02A.DGN, \\PI99R02A.DGN, \\AB99B02A.DGN, \\PI73092A.DGN,
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61