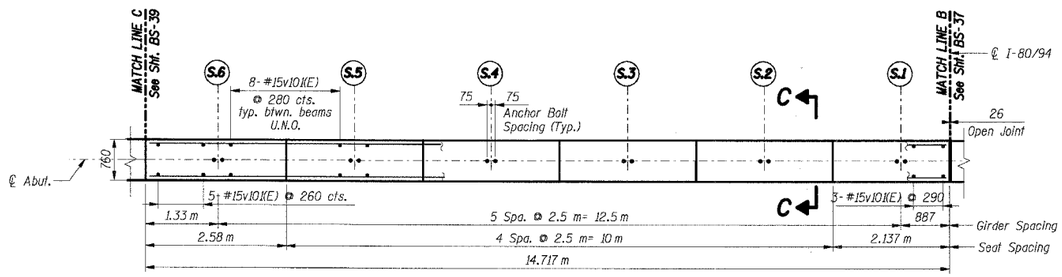
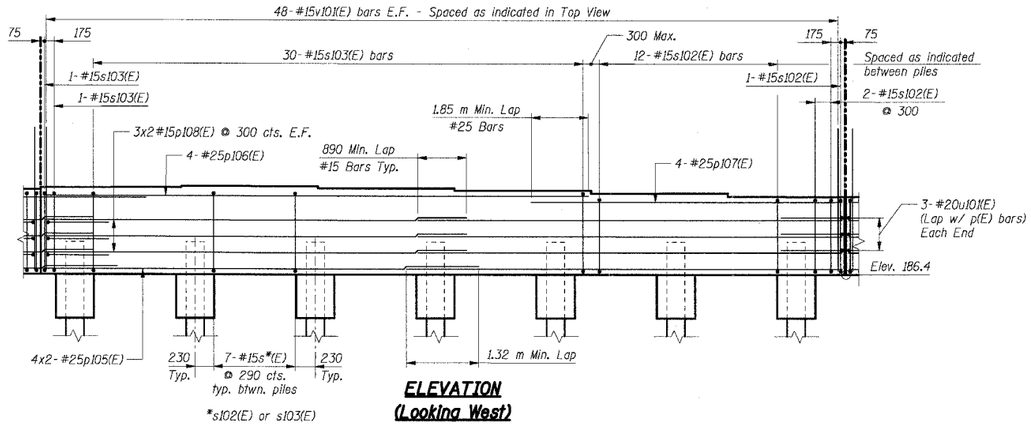
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	631	480
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

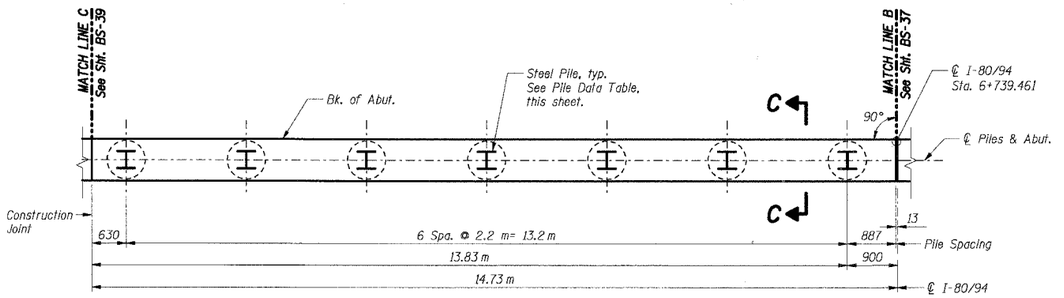
* 12425 & 2626) R-2 CONTRACT NO. 62111



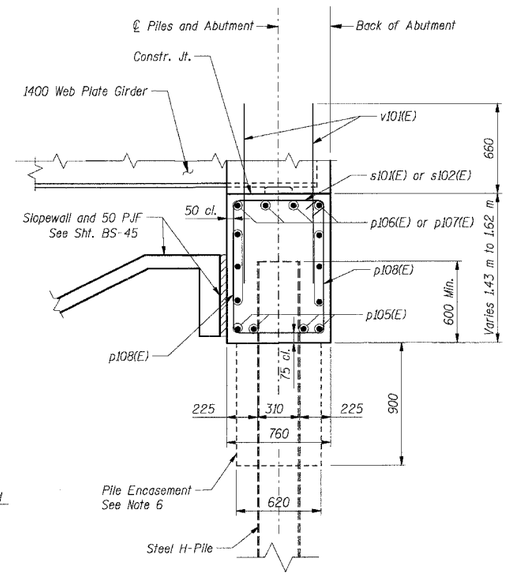
TOP VIEW



ELEVATION (Looking West)



FOOTING PLAN



SECTION C-C

BAR LIST

Bar	No.	Size	Length (m)	Shape
p105(E)	8	#25	7.97	——
p106(E)	4	#25	9.98	——
p107(E)	4	#25	6.49	——
p108(E)	12	#15	7.76	——
s102(E)	15	#15	4.20	⊿
s103(E)	32	#15	4.42	⊿
u10(E)	6	#20	2.85	⌊_⌋
v10(E)	96	#15	1.32	——

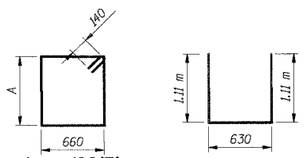
BILL OF MATERIAL

Item	Unit	Total
Concrete Structures	Cu m	17.3
Reinforcement Bars, Epoxy Coated	kg	1,220
Structure Excavation	Cu m	19

BEARING SEAT ELEVATIONS

Girder	West Abutment	Steps
S.6	187.995	25
S.5	188.020	40
S.4	187.980	40
S.3	187.940	50
S.2	187.890	60
S.1	187.830	

Bar	A (m)
s102(E)	1.30
s103(E)	1.41



bar s102(E) and bar s103(E)

bar u10(E)

PILE DATA

Type: HP 310x79
Design Capacity: 600 kN
Required Bearing: 900 kN
Est. Length: 28 m
No. Required: 7

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. Bars indicated thus: 4x2#15 etc. indicates 4 lines of bars with 2 lengths per line.
5. Work this sheet with sheets BS-37 and BS-39.
6. For Pile Encasement details, see sheet BS-3.

SHT. BS-38 OF 60

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 BURNHAM AVENUE
STRUCTURE NO. 016-2791 STA. 6+772.591
SECTION 1977-121-R
COOK COUNTY

WEST ABUTMENT PLAN, ELEVATION & SECTION - III

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

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

\\AB99RG02A.DGN, \\AB99MG52A.DGN, \\AB99D02A.DGN, \\SI.99RG12A.DGN, \\AB99MG52A.DGN
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