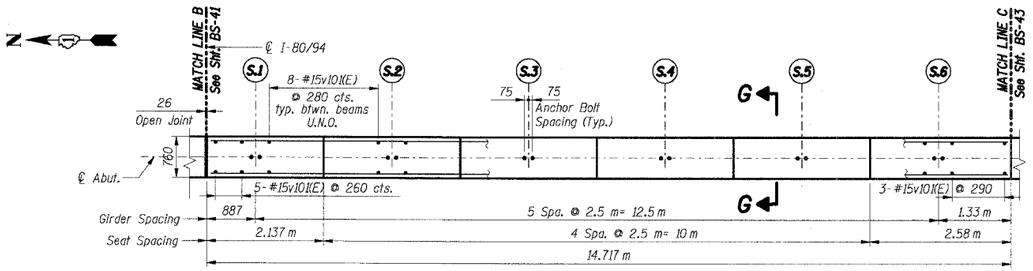
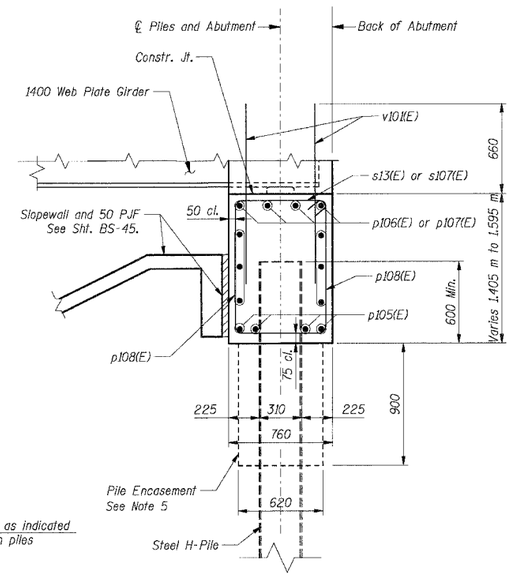
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	•	COOK	631	484
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

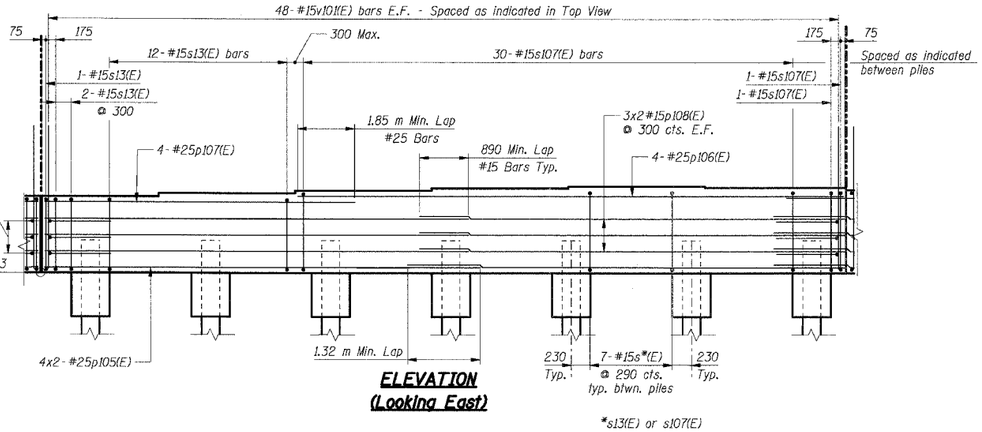
• (2425 & 2626) R-2 CONTRACT NO. 62111



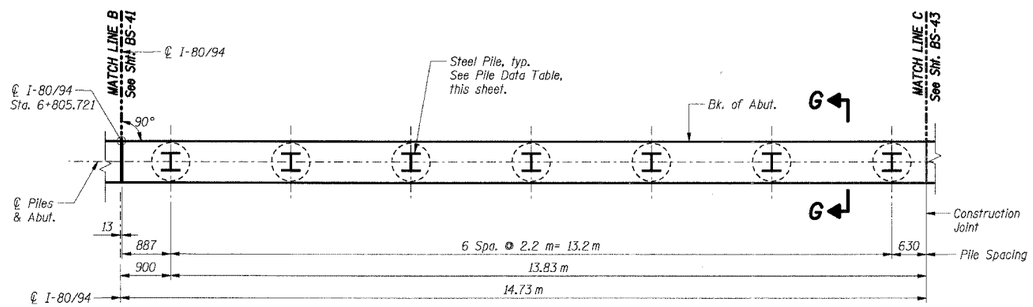
TOP VIEW



SECTION G-G



ELEVATION (Looking East)



FOOTING PLAN

BAR LIST

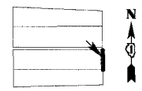
Bar	No.	Size	Length (m)	Shape
p105(E)	8	#25	7.97	——
p106(E)	4	#25	9.98	——
p107(E)	4	#25	6.49	——
p108(E)	12	#15	7.76	——
s13(E)	15	#15	4.16	⌐
s107(E)	32	#15	4.38	⌐
u101(E)	6	#20	2.85	⌐ ⌐
v101(E)	96	#15	1.32	——

BILL OF MATERIAL

Item	Unit	Total
Concrete Structures	Cu m	17.0
Reinforcement Bars, Epoxy Coated	kg	1,210
Structure Excavation	Cu m	28

PILE DATA

Type: HP 310x79
Design Capacity: 600 kN
Required Bearing: 900 kN
Est. Length: 29 m
No. Required: 7

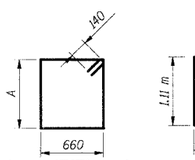


KEY PLAN

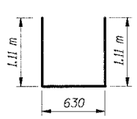
BEARING SEAT ELEVATIONS

Girder	East Abutment	Steps
S.1	187.705	60
S.2	187.765	50
S.3	187.815	45
S.4	187.860	35
S.5	187.895	25
S.6	187.870	

Bar	A (m)
s13(E)	1.28
s107(E)	1.39



bar s13(E) and bar s107(E)



bar u10(E)

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 BS-41 and BS-43.
5. For Pile Encasement details, see sheet BS-3.
6. Bars indicated thus 4x2-#15 etc. indicates 4 lines of bars with 2 lengths per line.

SHT. BS-42 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

EAST ABUTMENT PLAN, ELEVATION & SECTION - III

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

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

\\A899M52A.DGN, \\A899R02A.DGN, \\A899D02A.DGN, ..\SL99RG2A.DGN, ..\A899M52A.DGN
7-12-2005, 10:26:53 I:\DOCUMENTS\STRUCTURE\WORK\AB1622A.DGN BAJZEKKJ