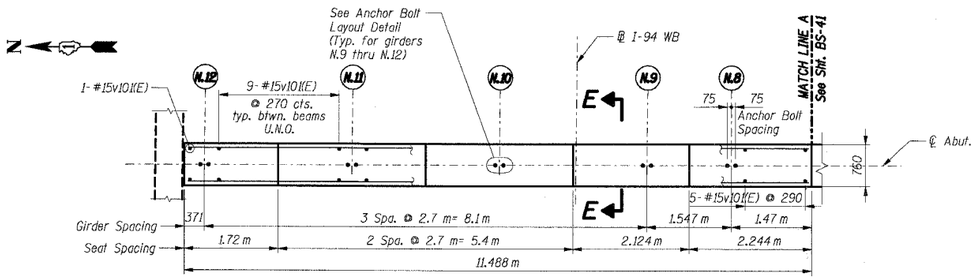
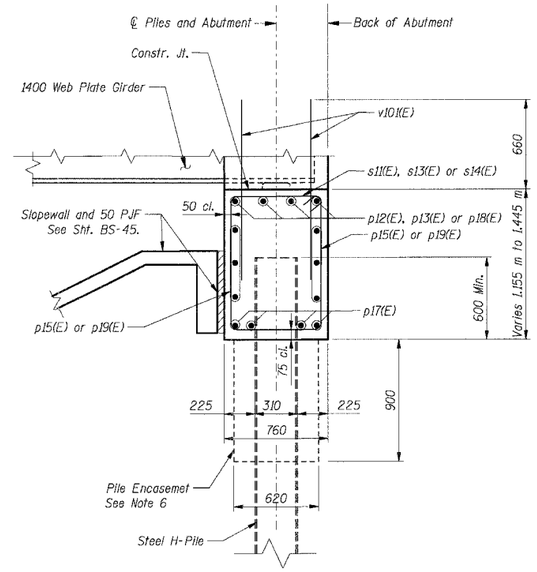
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	631	482
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

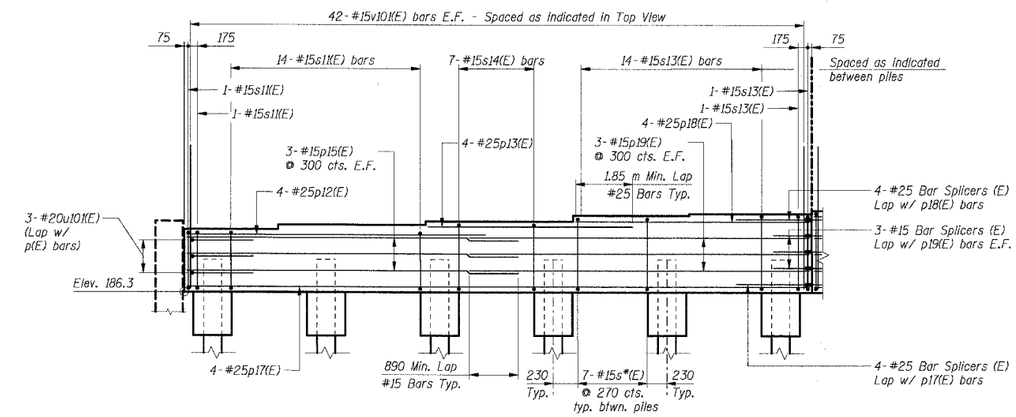
* (2425 & 2626) R-2 CONTRACT NO. 62111



TOP VIEW

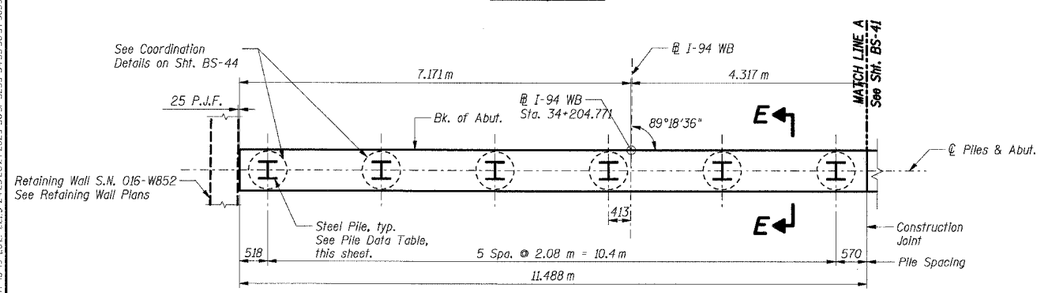


SECTION E-E



*s11(E), s12(E) or s13(E)

ELEVATION (Looking East)



FOOTING PLAN

BAR LIST

Bar	No.	Size	Length (m)	Shape
p18(E)	4	#25	6.27	
p13(E)	4	#25	4.55	
p15(E)	6	#15	6.00	
p17(E)	4	#25	11.4	
p18(E)	4	#25	6.26	
p19(E)	6	#15	6.27	
s11(E)	16	#15	3.64	
s13(E)	16	#15	4.16	
s14(E)	7	#15	3.94	
u101(E)	3	#20	2.85	
v101(E)	84	#15	1.32	

BILL OF MATERIAL

Item	Unit	Total
Concrete Structures	Cu m	11.5
Reinforcement Bars, Epoxy Coated	kg	970
Structure Excavation	Cu m	0
Bar Splicers	Ea	14

BEARING SEAT ELEVATIONS

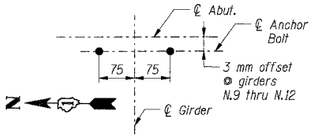
Girder	East Abutment	Steps
N.12	187.455	85
N.11	187.540	65
N.10	187.605	105
N.9	187.710	35
N.8	187.745	

PILE DATA

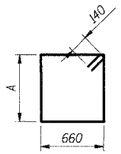
Type: HP 310x79
Design Capacity: 600 kN
Required Bearing: 900 kN
Est. Length: 29 m
No. Required: 6

KEY PLAN

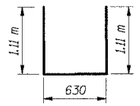
Bar	A (m)
s11(E)	1.02
s13(E)	1.28
s14(E)	1.17



ANCHOR BOLT LAYOUT DETAIL



bars s11(E), s13(E) and s14(E)



bar u101(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 sheet BS-41.
5. See sheet BS-56 for Bar Splicer details.
6. For Pile Encasement details, see sheet BS-3.
7. For Bar Splicer details, see Sht. BS-56.

THIS SHEET FOR INFORMATION ONLY

SHT. BS-40 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 - I

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

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

..\AB99R022A.DGN, ..\AB99M12A.DGN, ..\AB99C012A.DGN, ..\HR99R022A.DGN, ..\S199R032A.DGN, ..\AB99M12A.DGN
7-12-2005, 0:26:52 T:\DOCUMENT\93175\STRUCTV\GNA\BR76172A.DGN BAUZEKKJ
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 62 63