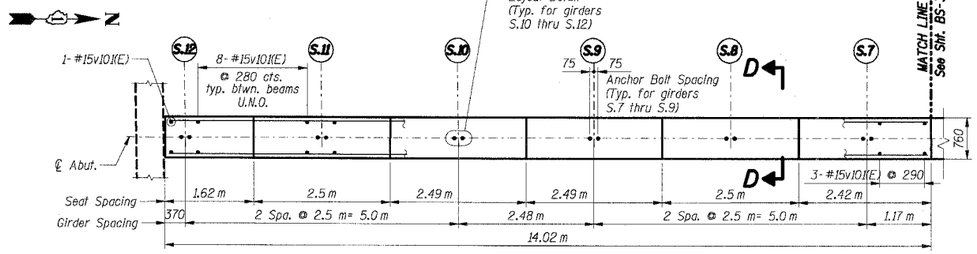
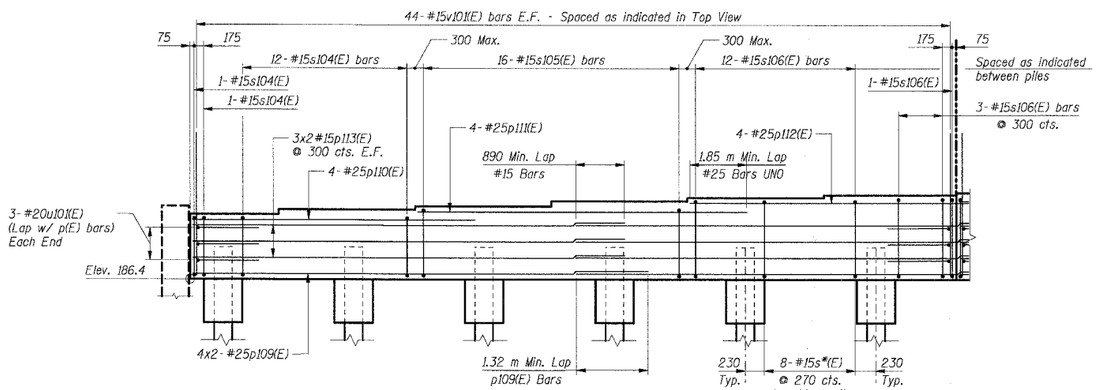
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	631	481
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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

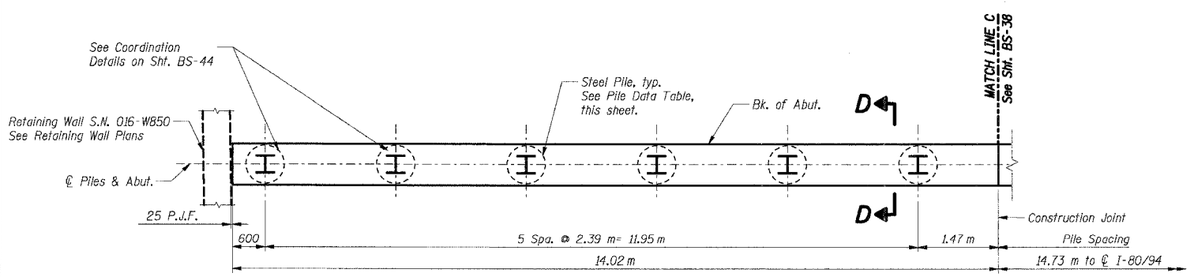


TOP VIEW

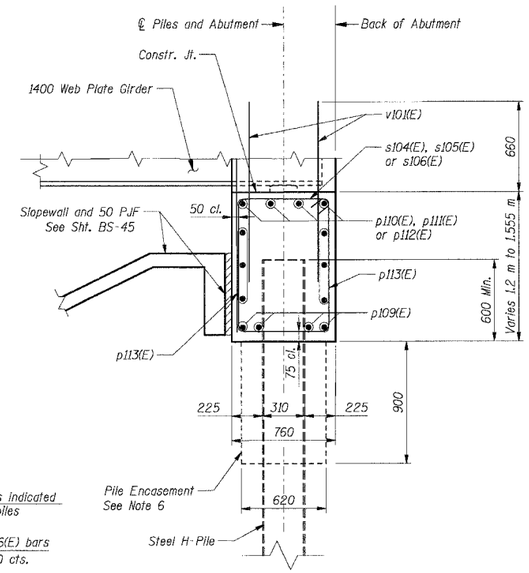


*s104(E), s105(E) or s106(E)

ELEVATION (Looking West)



FOOTING PLAN



SECTION D-D

BAR LIST

Bar	No.	Size	Length (m)	Shape
p109(E)	8	#25	8.33	——
p110(E)	4	#25	5.97	——
p111(E)	4	#25	6.83	——
p112(E)	4	#25	6.77	——
p113(E)	12	#15	7.90	——
s104(E)	14	#15	3.74	⊿
s105(E)	16	#15	4.02	⊿
s106(E)	16	#15	4.34	⊿
u101(E)	6	#20	2.85	⌴
v101(E)	88	#15	1.32	——

BILL OF MATERIAL

Item	Unit	Total
Concrete Structures	Cu m	14.9
Reinforcement Bars, Epoxy Coated	kg	1,230
Structure Excavation	Cu m	5

BEARING SEAT ELEVATIONS

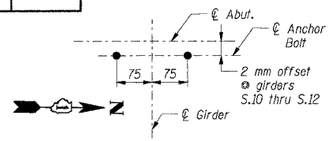
Girder	West Abutment	Steps
S.12	187.600	85
S.11	187.685	60
S.10	187.745	95
S.9	187.840	65
S.8	187.905	50
S.7	187.955	

PILE DATA

Type: HP 310x79
Design Capacity: 600 kN
Required Bearing: 900 kN
Est. Length: 28 m
No. Required: 5 + 1 Test Pile

KEY PLAN

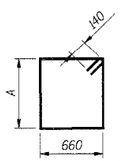
Bar	A (m)
s104(E)	1.07
s105(E)	1.21
s106(E)	1.37



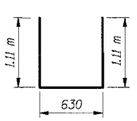
ANCHOR BOLT LAYOUT DETAIL

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 sheet BS-38.
6. For Pile Encasement details, see sheet BS-3.



bars s104(E) thru s106(E)



bar u101(E)

SHT. BS-39 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 - IV

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

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

..\AB99B002A.DGN, ..\AB99M072A.DGN, ..\SL99B032A.DGN, ..\AB99D002A.DGN, ..\AB99M072A.DGN, ..\AB99M072A.DGN
7:12:2005, 10:26:51 I:\DOCUMENTS\PROJECTS\STRUCTURE\AB1766\2A.DGN BA-ZFKKJ
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 5859 6061 62 63