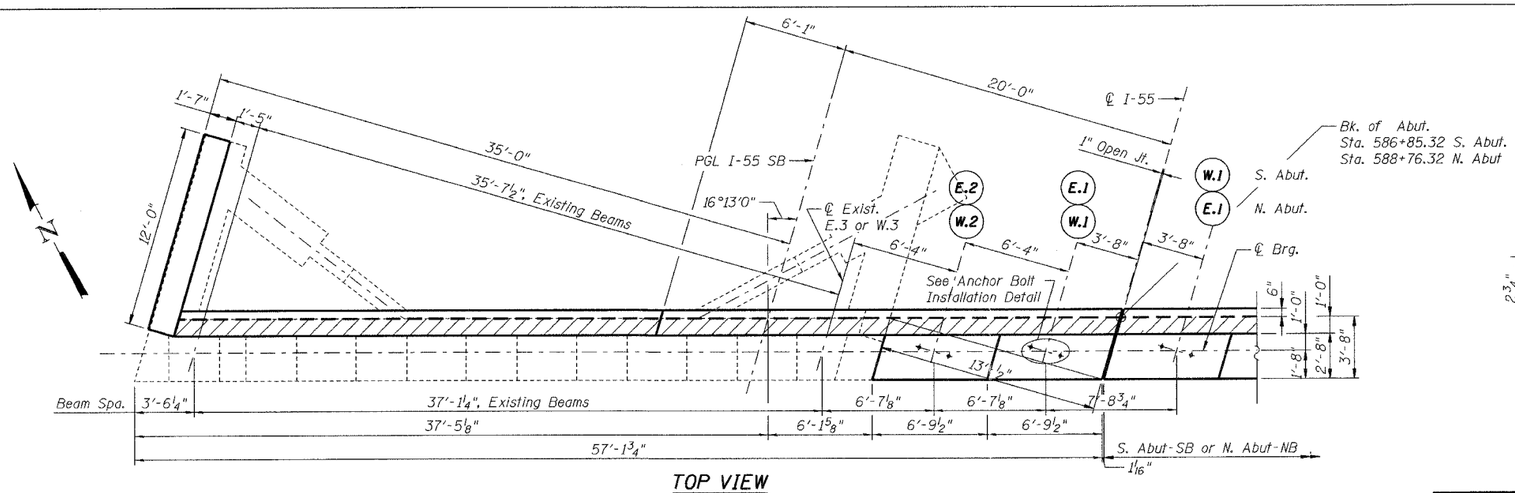
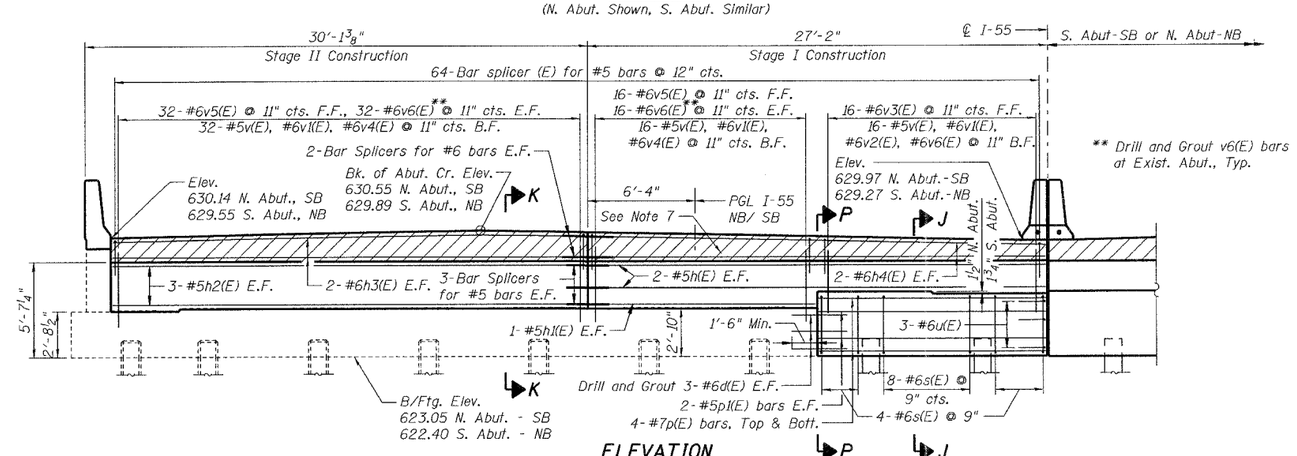
CONTRACT NO. 60B86

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2006-032 BY	WILL	505	283
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



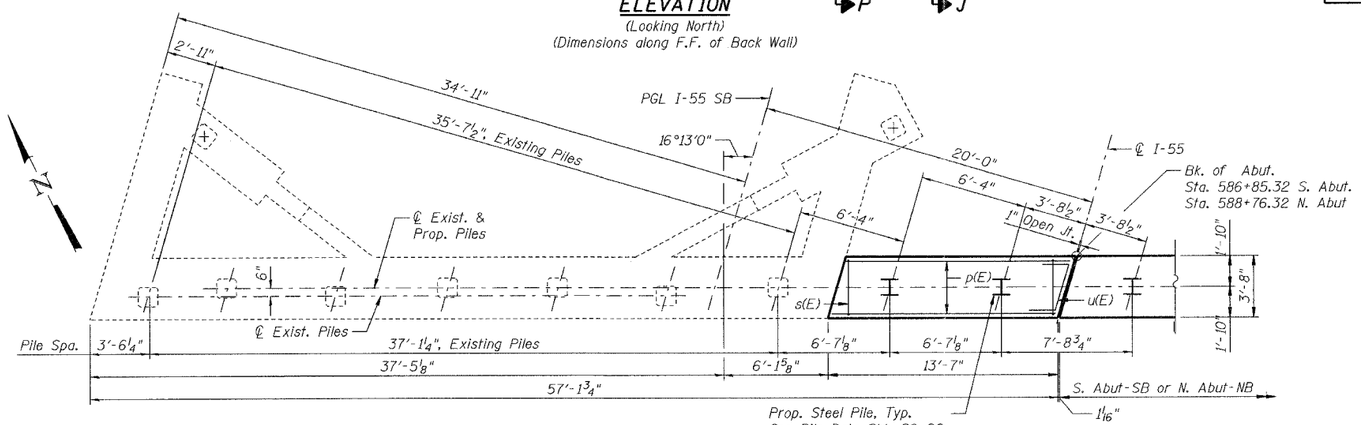
TOP VIEW

(N. Abut. Shown, S. Abut. Similar)



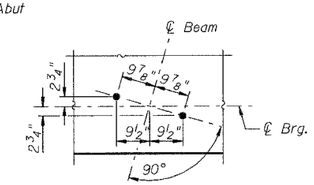
ELEVATION

(Looking North)
(Dimensions along F.F. of Back Wall)



PLAN - PILE CAP

(N. Abut. Shown, S. Abut. Similar)



ANCHOR BOLT INSTALLATION DETAIL

Bearing Seat Elevation

Beams	N. Abut-SB	S. Abut-NB
W.2	626.764	-
W.1	626.639	-
E.1	-	625.938
E.2	-	626.084

BAR LIST - EACH

(N. Abut. SB)
(S. Abut. NB)

Bar	No.	Size	Length	Shape
d(E)	6	#6	3'-7"	
h(E)	4	#5	26'-10"	
h1(E)	2	#5	13'-3"	
h2(E)	6	#5	27'-11"	
h3(E)	4	#6	27'-11"	
h4(E)	4	#6	26'-10"	
h5(E)	5	#4	11'-9"	
h6(E)	1	#4	12'-3"	
p(E)	8	#7	13'-3"	
p1(E)	4	#5	13'-3"	
s(E)	16	#6	14'-4"	
u(E)	3	#6	7'-6"	
v(E)	64	#5	2'-3"	
v1(E)	64	#6	4'-0"	
v2(E)	16	#6	3'-10"	
v3(E)	16	#6	4'-5"	
v4(E)	48	#6	3'-8"	
v5(E)	48	#6	3'-2"	
v6(E)	112	#6	2'-2"	
v7(E)	13	#6	4'-8"	
v8(E)	13	#6	4'-10"	

BILL OF MATERIAL

(N. Abutment SB & NB)

Item	Unit	Total
Porous Granular Embankment, Special	Cu. Yd.	72
Structure Excavation	Cu. Yd.	88
Concrete Structures	Pound	32.6
Reinforcement Bars, Epoxy Coated	Pound	6,300
Bridge Seat Sealer	Sq. Ft.	74
Geocomposite Wall Drain	Sq. Yd.	18
Bar Splicers	Each	148

BILL OF MATERIAL

(S. Abutment SB & NB)

Item	Unit	Total
Porous Granular Embankment, Special	Cu. Yd.	72
Structure Excavation	Cu. Yd.	88
Concrete Structures	Pound	32.6
Reinforcement Bars, Epoxy Coated	Pound	6,300
Bridge Seat Sealer	Sq. Ft.	74
Geocomposite Wall Drain	Sq. Yd.	18
Bar Splicers	Each	148

Notes:

1. Work this sheet with Sht. SC-6 and SC-25.
2. Space reinforcement in cap to miss anchor bolts.
3. Pour steps monolithically with cap.
4. For anchor bolt details, see Sht. SC-23.
5. Reinforcement bars designated (E) shall be epoxy coated.
6. E.F. = Each Face, I.F. = Inside Face, O.F. = Outside Face
7. Hatched area to be poured after superstructure forms have been removed. Quantity of concrete included with Concrete Superstructure.
8. For sections J-J, K-K and P-P, see Sht. SC-25.
9. For Pile Data, see Sht. SC-26.

SHT. SC-24 OF 38

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI ROUTE 55
US 30 (PLAINFIELD ROAD) TO LILY CACHE SLOUGH
SB & NB I-55 OVER US RTE. 30, S.N. 099-0016 & 099-0017
STA. 587+80.82, SECTION 2006-032 BY
WILL COUNTY

NORTH ABUTMENT - SB,
SOUTH ABUTMENT - NB
WIDENING - 1

SCALE:
DRAWN BY PA
DATE 07/05/06
CHECKED BY MJK

MORCOM, N.V., INC.
CONSULTING ENGINEERS
CHICAGO, ILLINOIS

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

PLOT DATE = $DATE$
FILE NAME = $FILEL$
PLOT SCALE = $SCALE$
USER NAME = $USER$

...\ASP0108CM.DGN, ...\BDP99AMRD.DGN, ...\SL99108R2.DGN, ...\SL99108R3.DGN
6-26-2006, 1:54:48 PM GARCIA42 S:\DOCUMENT\82361081\STRUCT\DGN\SB108DB68.SHT