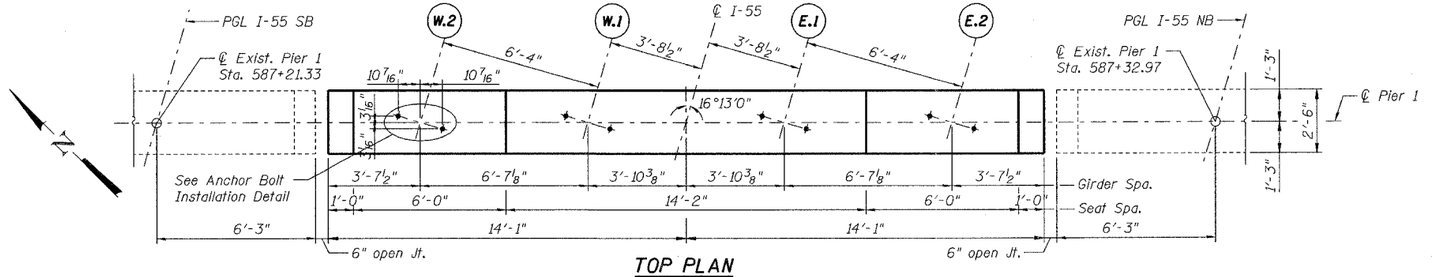
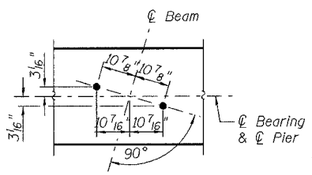
CONTRACT NO. 60B86

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2006-032 BY	WILL	505	287
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TOP PLAN

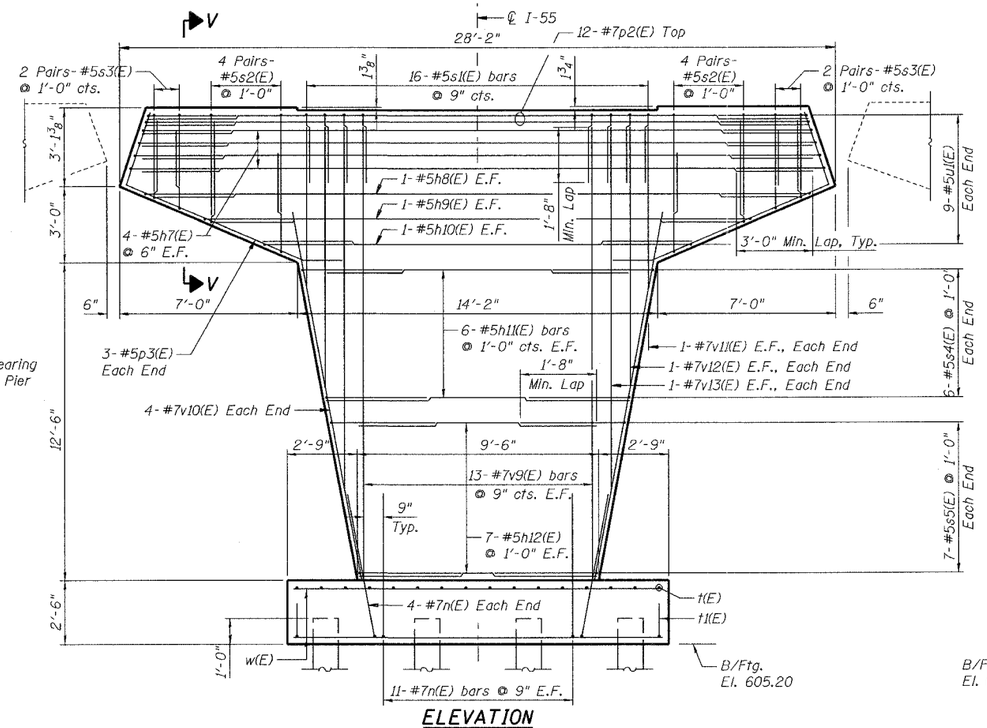
Bearing Seat Elevation	
Beams	Elevation
W.2	626.32
W.1	626.20
E.1	626.20
E.2	626.35



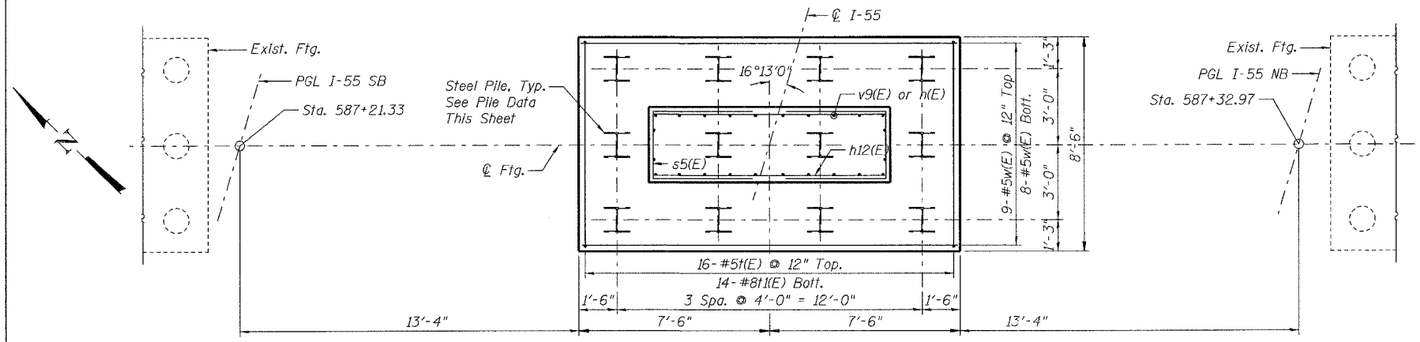
ANCHOR BOLT INSTALLATION DETAIL

PILE DATA

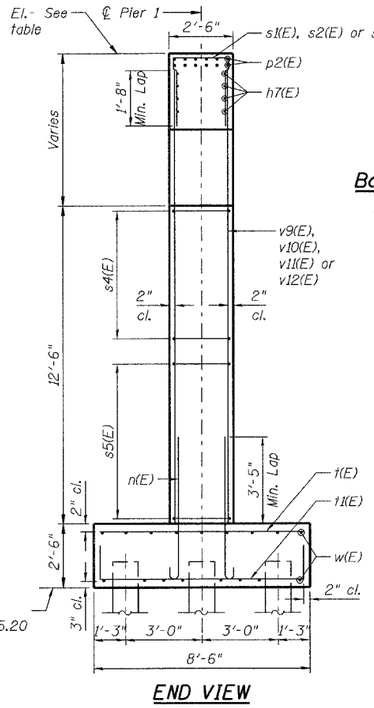
Type:	Steel HP12x53 w/ Metal Shoes
Design Capacity:	Driven to Refusal
Required Bearing:	-
Estimated Length:	31.8 ft
Number Required:	11 + 1 Test Pile



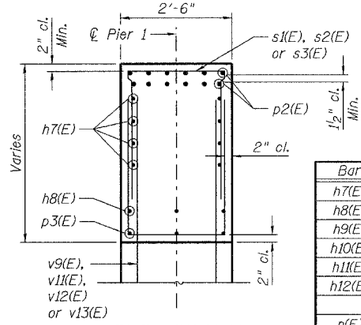
ELEVATION



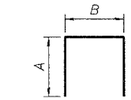
FOOTING PLAN



END VIEW



SECTION V-V

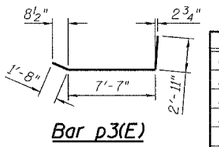


Bars s1(E), s2(E), s3(E), s4(E), s5(E) & u1(E)

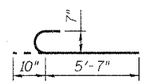
Bar	A	B
s1(E)	2'-8"	2'-2"
s2(E)	4'-2"	2'-2"
s3(E)	3'-0"	2'-2"
s4(E)	3'-9"	2'-2"
s5(E)	2'-8"	2'-2"
u1(E)	3'-6"	2'-2"
t1(E)	1'-4"	8'-2"

BAR LIST

Bar	No.	Size	Length	Shape
h7(E)	8	#5	26'-10"	
h8(E)	2	#5	26'-7"	
h9(E)	2	#5	22'-0"	
h10(E)	2	#5	17'-4"	
h11(E)	12	#5	11'-10"	
h12(E)	14	#5	9'-3"	
n(E)	30	#7	6'-5"	
p2(E)	12	#7	26'-0"	
p3(E)	6	#5	12'-2"	
s1(E)	16	#5	6'-10"	
s2(E)	16	#5	10'-6"	
s3(E)	8	#5	8'-2"	
s4(E)	12	#5	9'-8"	
s5(E)	14	#5	7'-6"	
t(E)	16	#5	8'-2"	
t1(E)	14	#8	10'-10"	
u1(E)	18	#5	9'-2"	
v9(E)	26	#7	17'-8"	
v10(E)	8	#7	14'-11"	
v11(E)	2	#7	6'-1"	
v12(E)	2	#7	10'-1"	
v13(E)	2	#7	14'-1"	
w(E)	17	#5	14'-8"	



Bar p3(E)



Bar n(E)

BILL OF MATERIAL

Item	Unit	Total
Concrete Structures	Cu. Yd.	39.2
Reinforcement Bars, Epoxy Coated	Pound	4,620
Furnishing Steel Piles, HP12x53	Foot	341
Driving Steel Piles	Foot	341
Test Pile Steel HP12x53	Each	1
Metal Shoes	Each	11
Braced Excavation	Cu. Yd.	48

Notes:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Space reinforcement in piers to miss anchor bolts.
3. Pour steps monolithically with cap.
4. All edges shall have standard 3/4" chamfers, except as noted.
5. E.F. indicates Each Face.
6. See Sht. SC-22 for bearing details.
7. See Sht. SC-23 for anchor bolt details.

SHT. SC-28 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

PIER 1 WIDENING

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

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

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

PLOT DATE = @DATE@
FILE NAME = @FILE@
PLOT SCALE = @SCALE@
USER NAME = @USER@

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6-30-2006, 13:52:27 DAMCIANZ S:\DOCUMENT\22365\STRUCT\DGN\P1B1D068.SHT