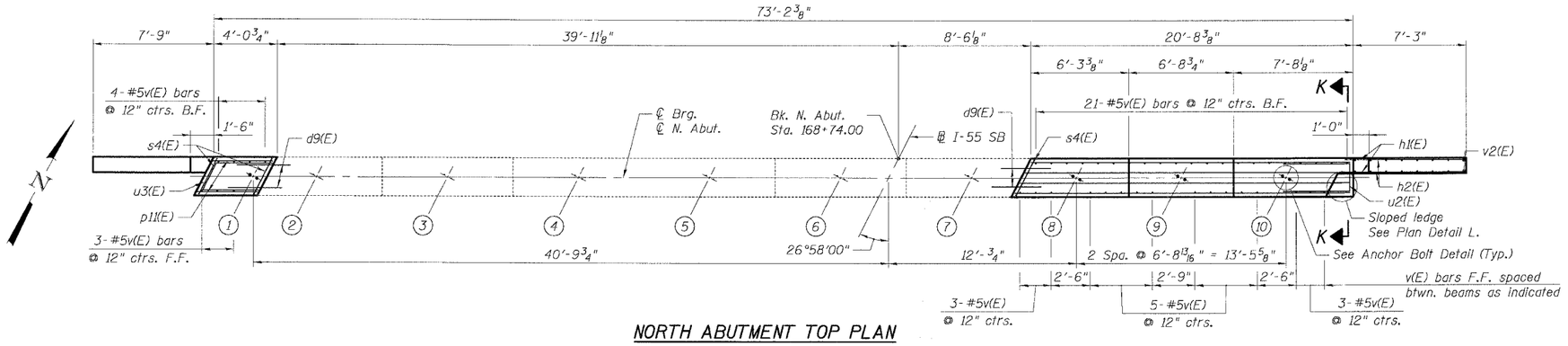
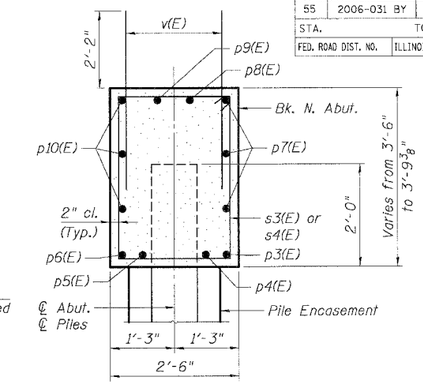
CONTRACT NO. 60B85

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2006-031 BY	WILL	137	78
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

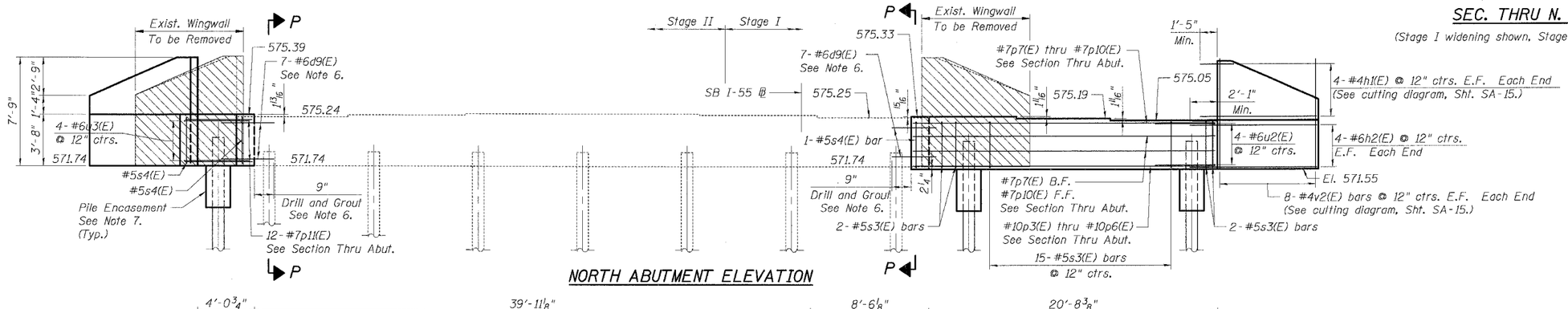


NORTH ABUTMENT TOP PLAN



SEC. THRU N. ABUT.

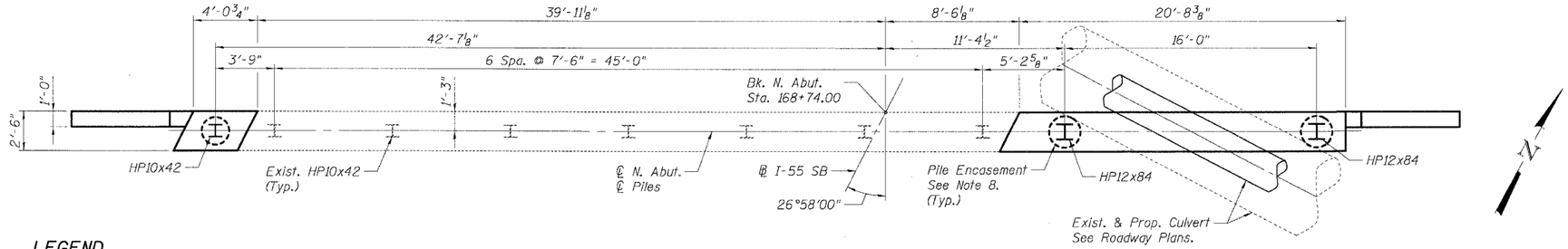
(Stage I widening shown. Stage II widening similar)



NORTH ABUTMENT ELEVATION

BAR LIST

Bar	No.	Size	Length	Shape
d9(E)	14	#6	3'-0"	
h1(E)	8	#4	12'-3"	
h2(E)	16	#6	9'-9"	
p3(E)	1	#10	20'-6"	
p4(E)	1	#10	20'-9"	
p5(E)	1	#10	21'-3"	
p6(E)	1	#10	21'-6"	
p7(E)	3	#7	20'-6"	
p8(E)	1	#7	20'-10"	
p9(E)	1	#7	21'-2"	
p10(E)	3	#7	21'-6"	
p11(E)	12	#7	3'-8"	
s3(E)	19	#5	11'-3"	
s4(E)	3	#5	11'-9"	
u2(E)	4	#6	9'-0"	
u3(E)	4	#6	9'-2"	
v(E)	44	#5	4'-4"	
v2(E)	16	#4	12'-3"	



NORTH ABUTMENT FOOTING PLAN

LEGEND

Concrete Removal

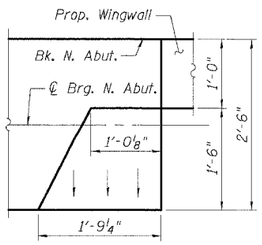
PILE DATA

Stage I

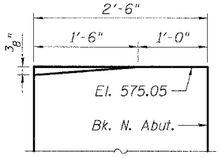
Type:	Steel HP12x84 w/ Metal Pile Shoes
Design Capacity:	Driven to Refusal
Required Bearing:	-
Estimated Length:	45.6 ft
Number Required:	1 + 1 Test Pile

Stage II

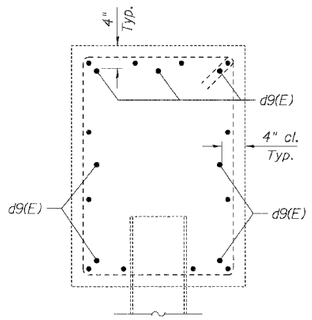
Type:	Steel HP10x42 w/ Metal Pile Shoes
Design Capacity:	Driven to Refusal
Required Bearing:	-
Estimated Length:	37.7 ft
Number Required:	1



PLAN DETAIL L



SECTION K-K



SECTION P-P

Notes:

1. Space reinforcement in cap to miss anchor bolts.
2. Pour steps monolithically with cap.
3. For anchor bolt details, see Sht. SA-13.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. E.F. = Each Face , I.F. = Inside Face , O.F. = Outside Face
6. Drill and epoxy grout d9(E) bars in 9" min. drilled holes according to Section 584 of the Standard Specifications. Method and grout are subject to the approval of the Engineer. Locate dowels to provide a minimum of 4" clear cover. Cost of drilling and grouting bars shall be included with Reinforcement Bars, Epoxy Coated.
7. For pile encasement details, see Sht. SA-3.
8. For bar details, see Sht. SA-15.
9. Reinforcement bars designated (E) shall be epoxy coated.

BILL OF MATERIAL

Item	Unit	N. Abut.
Concrete Structures	Cu. Yd.	12.2
Reinforcement Bars, Epoxy Coated	Pound	1,860
Structure Excavation	Cu. Yd.	69
Concrete Removal	Cu. Yd.	3.1

SHT. SA-14 OF 21

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI ROUTE 55 (OVER CSX RR AND SUNNYLAND DRAIN)
BRIDGE WIDENING
SB I-55 OVER CSX RAILROAD, S.N. 099-0312
STA. 167+72.58, SECTION 2006-031 BY
WILL COUNTY

NORTH ABUTMENT

SCALE:
DRAWN BY MDB
DATE 07/07/06
CHECKED BY MJK

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

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

S:\DOCUMENT\60B085\STRUCTURAL\SB01ABD1.SHT
SB01ABD2.DGN
7-85-2006, 9:52:35
DATE/SHT