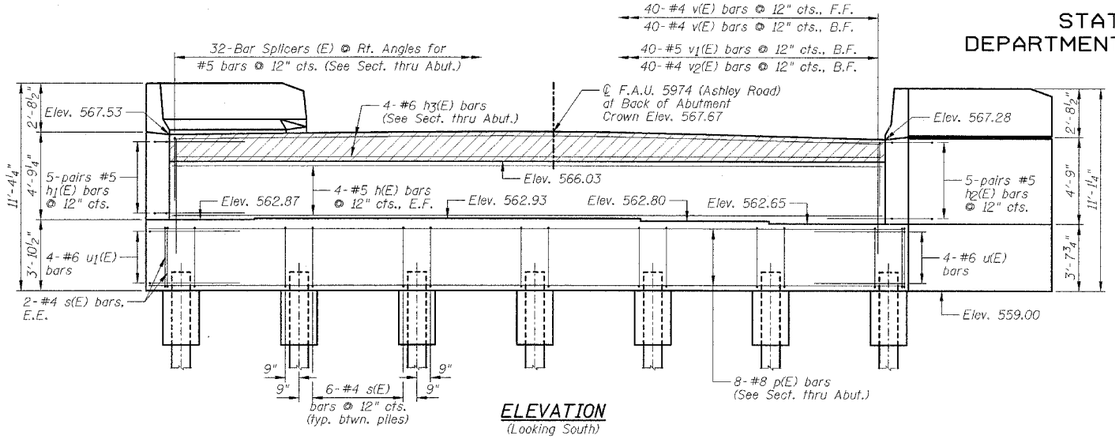
CONTRACT NO. 66407

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-3HBR-1	GRUNDY	88	48
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

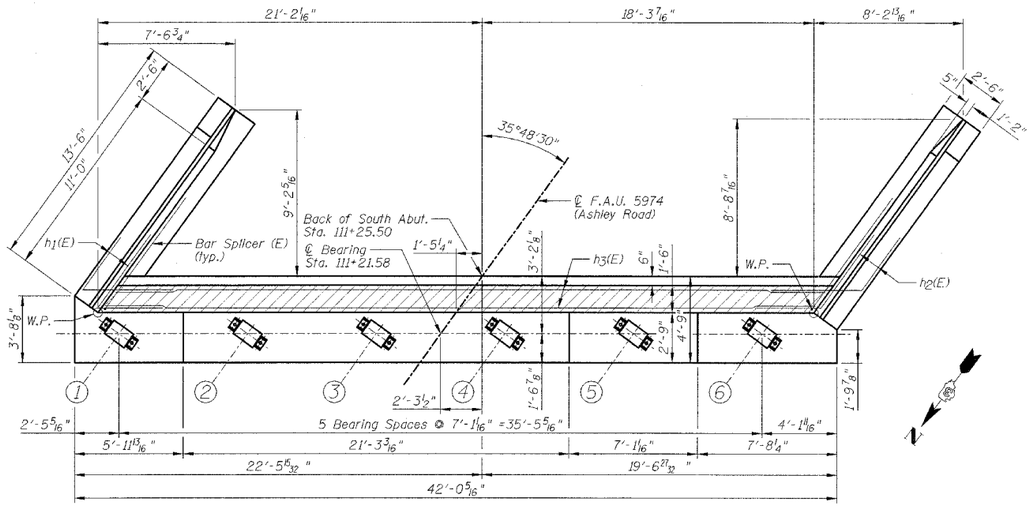
SHEET NO. B21

OF 35 SHEETS

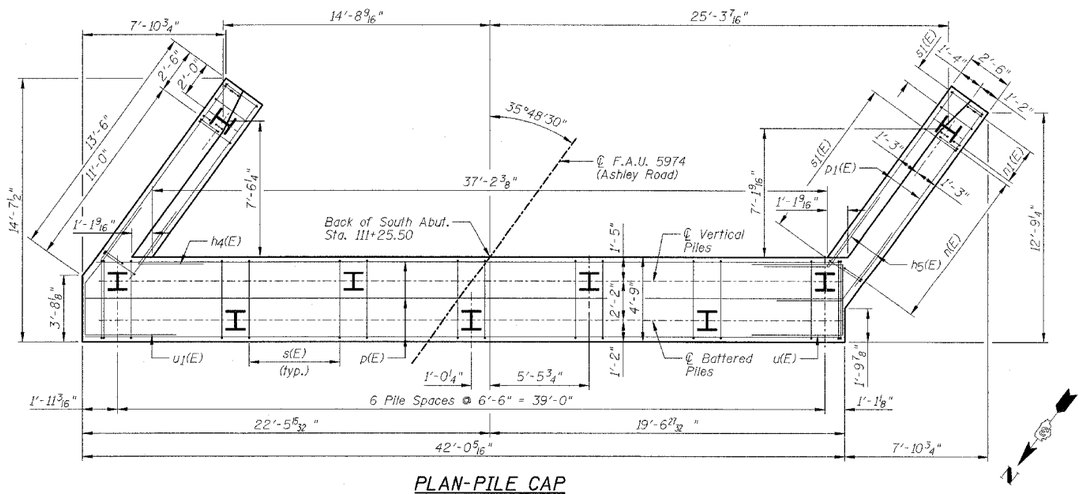
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



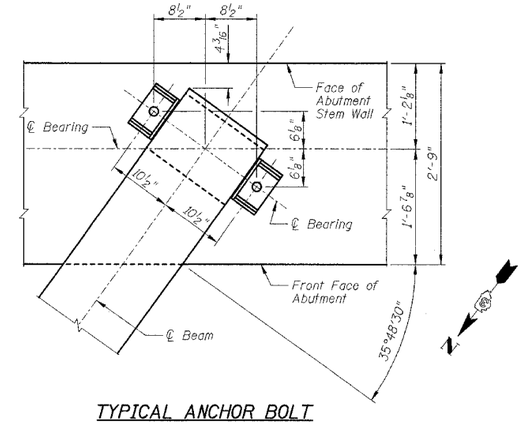
ELEVATION
(Looking South)



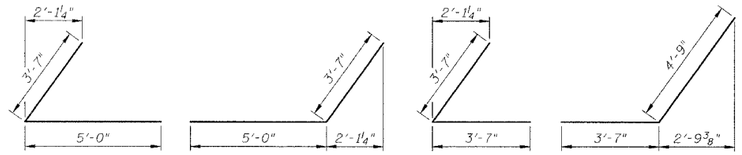
TOP VIEW

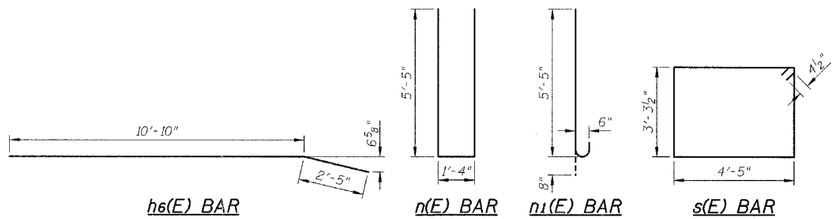


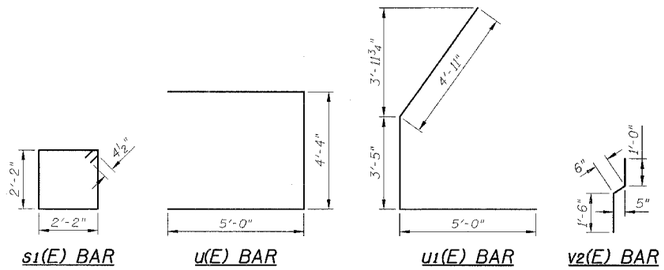
PLAN-PILE CAP

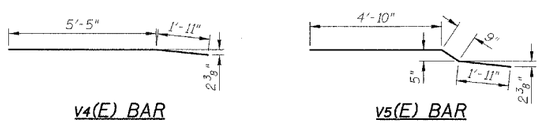


TYPICAL ANCHOR BOLT PLACEMENT DETAIL









SOUTH ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	8	#5	39'-1"	
h1(E)	10	#5	8'-7"	
h2(E)	10	#5	8'-7"	
h4(E)	4	#6	7'-2"	
h5(E)	8	#6	8'-4"	
h6(E)	14	#4	13'-3"	
h7(E)	22	#4	13'-2"	
n(E)	24	#6	12'-2"	
n1(E)	12	#6	6'-1"	
p(E)	8	#8	41'-8"	
p1(E)	12	#7	12'-0"	
s(E)	40	#4	16'-2"	
s1(E)	26	#4	9'-5"	
u(E)	4	#6	14'-4"	
u1(E)	4	#6	13'-4"	
v(E)	80	#4	5'-0"	
v1(E)	40	#5	2'-0"	
v2(E)	40	#4	3'-0"	
v3(E)	28	#6	7'-4"	
v4(E)	6	#6	7'-4"	
v5(E)	24	#6	7'-6"	

Item	Unit	Quantity
Porous Granular Embankment	Cu Yd	80
Structure Excavation	Cu Yd	450
Concrete Structures	Cu Yd	51.7
Reinforcement Bars, Epoxy Coated	Pound	4560
Furishing Steel Piles (HP12x63)	Foot	512
Test Piles HP12x63	Each	1
Driving Steel Piles	Foot	512
Bridge Seat Sealer	Sq Ft	116
Bar Splicers	Each	32

PILE DATA:

Type	HP12x63 Steel
No. Req'd.	8+1 Test Pile
Est. Length	64 Feet
Capacity	Drive to Refusal

NOTES:

1.) Work this sheet with Sheets B2, B4 & B22.
2.) Space reinforcement in cap to miss anchor bolts.
3.) Reinforcement bars designated (E) shall be epoxy coated.
4.) Pour steps monolithically with cap.
5.) B.F. denotes Back Face, F.F. denotes Front Face. E.F. denotes Each Face, E.E. denotes Each End.
6.) h3(E) bars are included with the Superstructure Quantities on Sheet B11.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT

F.A.I. 80 (I-80)
F.A.U. 5974 (ASHLEY ROAD) OVER I-80
SECTION 32-3HBR-1
GRUNDY COUNTY
STATION 110+00.00 STRUCTURE NO. 032-0113

DESIGNED BY: JML DRAWN BY: DJM

DATE: 09/09/05 CHECKED BY: MSW

FARNSWORTH GROUP, INC.
CONSULTING ENGINEERS - 2709 MCGRAW DRIVE BLOOMINGTON, ILLINOIS 61704 (309) 663-8435 / (309) 663-1571 FAX