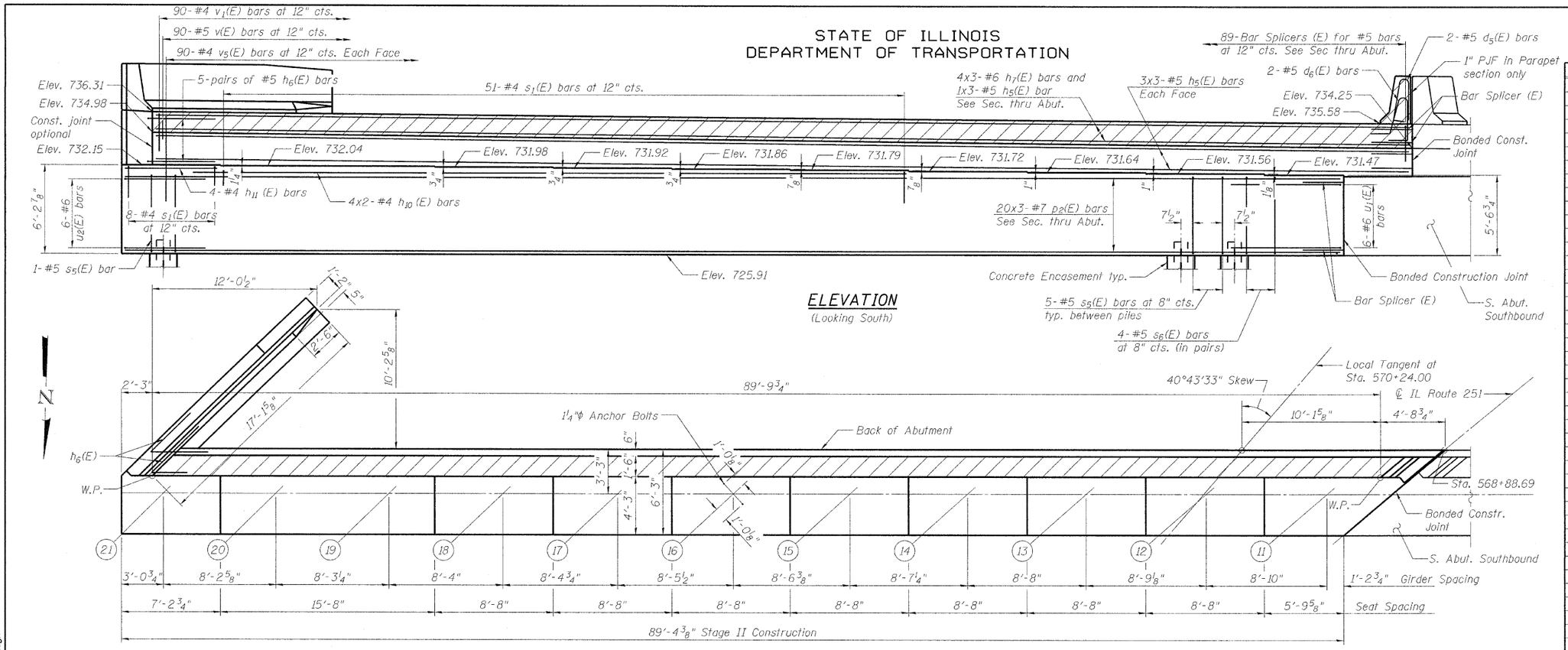
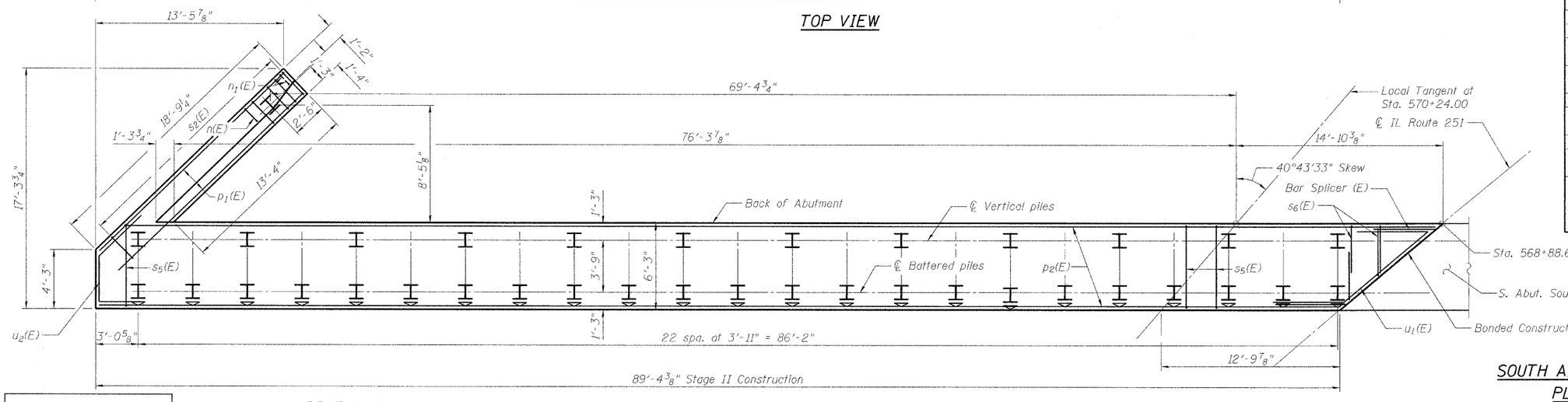
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION
(Looking South)

TOP VIEW



PLAN-PILE CAP

SOUTH ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d5(E)	4	#5	6'-10"	
d6(E)	4	#5	7'-11"	
h(E)	21	#5	32'-6"	
h1(E)	10	#5	7'-9"	
h2(E)	12	#6	33'-0"	
h3(E)	26	#4	16'-9"	
h4(E)	18	#4	16'-9"	
h5(E)	21	#5	33'-0"	
h6(E)	10	#5	7'-9"	
h7(E)	12	#6	33'-6"	
h8(E)	4	#4	40'-0"	
h9(E)	4	#4	12'-5"	
h10(E)	8	#4	28'-9"	
h11(E)	4	#4	6'-10"	
n(E)	30	#6	17'-8"	
n1(E)	12	#6	8'-10"	
p(E)	60	#7	36'-8"	
p1(E)	12	#7	18'-5"	
p2(E)	60	#7	35'-5"	
s(E)	114	#5	21'-7"	
s1(E)	110	#4	11'-1"	
s2(E)	36	#4	9'-7"	
s3(E)	8	#5	11'-3"	
s4(E)	2	#5	13'-9"	
s5(E)	111	#5	23'-1"	
s6(E)	8	#5	12'-0"	
u(E)	6	#6	14'-9"	
u1(E)	12	#6	18'-0"	
u2(E)	6	#6	14'-9"	
v(E)	182	#5	6'-4"	
v1(E)	182	#4	3'-0"	
v2(E)	36	#6	7'-3"	
v3(E)	6	#6	6'-8"	
v4(E)	30	#6	6'-8"	
v5(E)	364	#4	7'-0"	

Structure Excavation	Cu. Yd.	244
Concrete Structures	Cu. Yd.	300.4
Reinforcement Bars, Epoxy Coated	Pound	25,030
Furnishing Steel Piles HP 12x53	Foot	1,656
Driving Piles	Foot	1,656
Test Pile Steel HP 12x53	Each	1
Pile Shoes	Each	73
Conduit Embedded in Structure 2" Dia., PVC	Foot	24
Junction Box, Stainless Steel, Embedded in Structure 12"x10"x6"	Each	2

PILE DATA

Type: Steel HP 12x53 with pile shoes
Nominal Required Bearing: 273 kips
Factored Resistance Available: 150 kips
Est. Length: 23 ft
No. Production Piles: 36
No. Test Piles: 0

MINIMUM BAR LAPS

(Abutments)
#4 Bar - 2'-7"
#5 Bar - 3'-8"
#6 Bar - 4'-5"
#7 Bar - 5'-10"

Notes:
See Sheet 47 for abutment sections, wingwall details and bar diagrams.

DESIGNED -	JY
CHECKED -	GSP
DRAWN -	MJB
CHECKED -	JY

SOUTH ABUTMENT - NORTHBOUND PLAN & ELEVATION STRUCTURE NO. 101-0190

SHEET NO. 46	F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61 SHEETS	*	1-HBR & 1-2HB-D	WINNEBAGO	216	101
	IL RTE 251 & FOREST HILLS RD		CONTRACT NO. 64B79		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

* F.A.P. 303 & F.A.U. 5146

ENTRAN

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