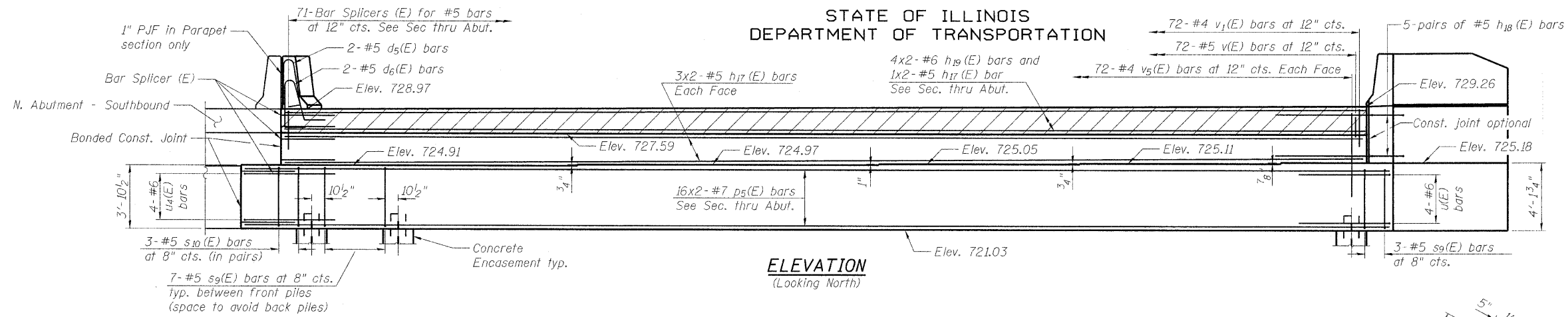
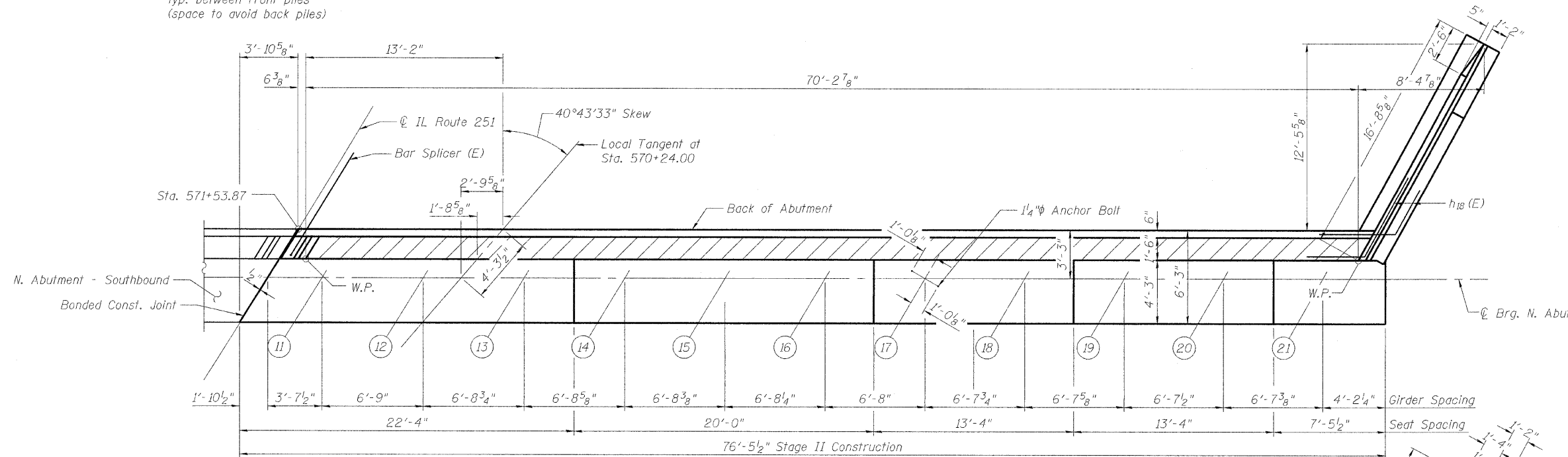


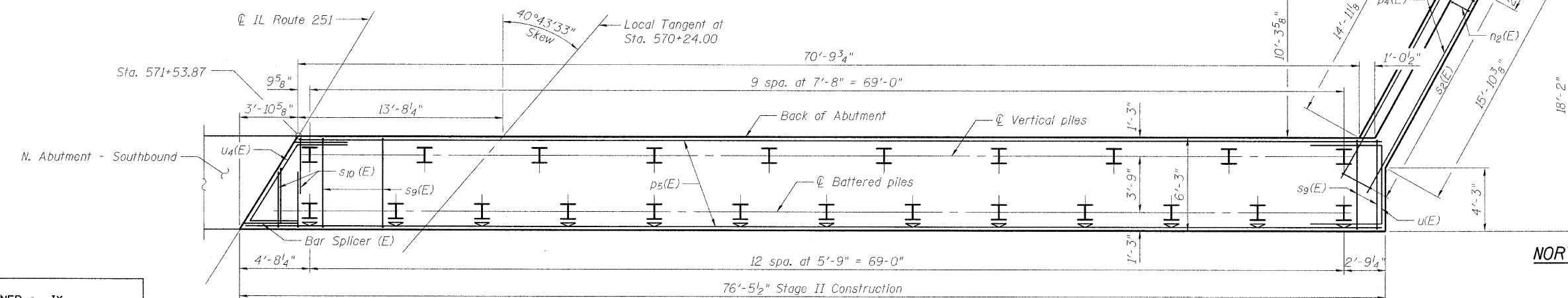
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION
(Looking North)



TOP VIEW



PLAN-PILE CAP

**NORTH ABUTMENT
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
d5(E)	4	#5	6'-10"	U
d6(E)	4	#5	7'-11"	U
h12(E)	14	#5	35'-8"	U
h13(E)	10	#5	7'-9"	U
h14(E)	8	#6	36'-0"	U
h15(E)	24	#4	16'-4"	U
h16(E)	16	#4	16'-4"	U
h17(E)	14	#5	37'-8"	U
h18(E)	10	#5	7'-9"	U
h19(E)	8	#6	38'-0"	U
n2(E)	28	#6	14'-6"	U
n3(E)	12	#6	7'-3"	U
p3(E)	32	#7	37'-8"	U
p4(E)	12	#7	17'-6"	U
p5(E)	32	#7	41'-0"	U
s2(E)	28	#4	9'-7"	U
s7(E)	79	#5	19'-7"	U
s8(E)	6	#5	10'-3"	U
s9(E)	87	#5	19'-9"	U
s10(E)	6	#5	10'-4"	U
u(E)	4	#6	14'-9"	U
u3(E)	4	#6	14'-9"	U
u4(E)	8	#6	15'-10"	U
v(E)	140	#5	6'-4"	U
v1(E)	140	#4	3'-0"	U
v2(E)	34	#6	7'-3"	U
v3(E)	6	#6	6'-8"	U
v4(E)	28	#6	6'-8"	U
v5(E)	280	#4	7'-0"	U
Structure Excavation	Cu. Yd.		674	
Concrete Structures	Cu. Yd.		175.7	
Reinforcement Bars, Epoxy Coated	Pound		16,240	
Furnishing Steel Piles HP 12x53	Foot		1,215	
Driving Piles	Foot		1,215	
Test Pile Steel HP 12x53	Each		1	
Pile Shoes	Each		46	
Conduit Embedded in Structure 2" Dia., PVC	Foot		22	
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: 27 ft
No. Production Piles: 24
No. Test Piles: 0

**NORTH ABUTMENT - NORTHBOUND
PLAN & ELEVATION
STRUCTURE NO. 101-0190**

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

MINIMUM BAR LAPS

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

Notes:
See Sheet 50 for abutment sections, wingwall details and bar diagrams.

SHEET NO. 49	F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	1-HBR & 1-2HB-D	WINNEBAGO	216	104
61 SHEETS	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