

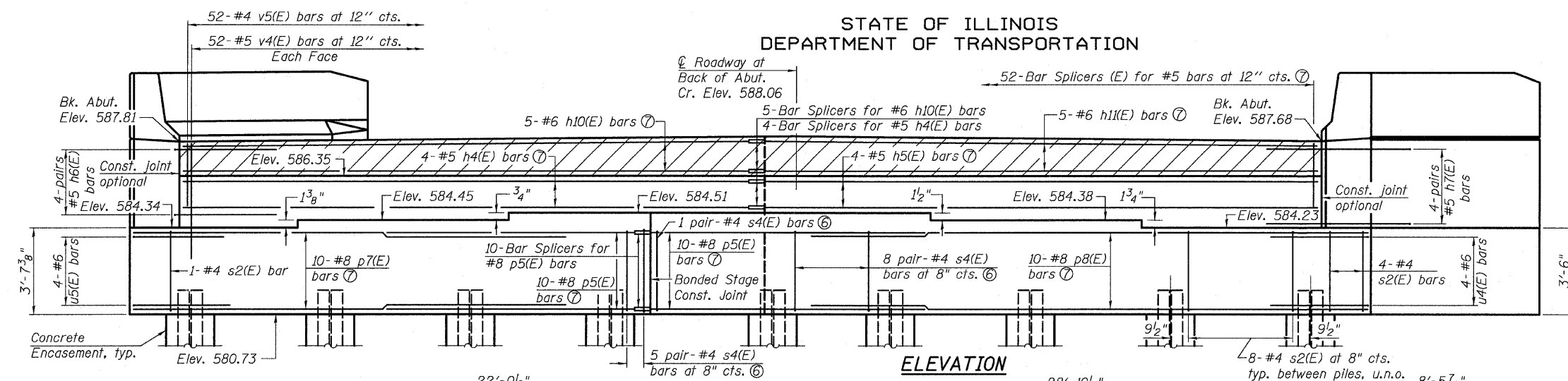
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
FAP 326	119BR	GRUNDY	68	37
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

Contract #66687

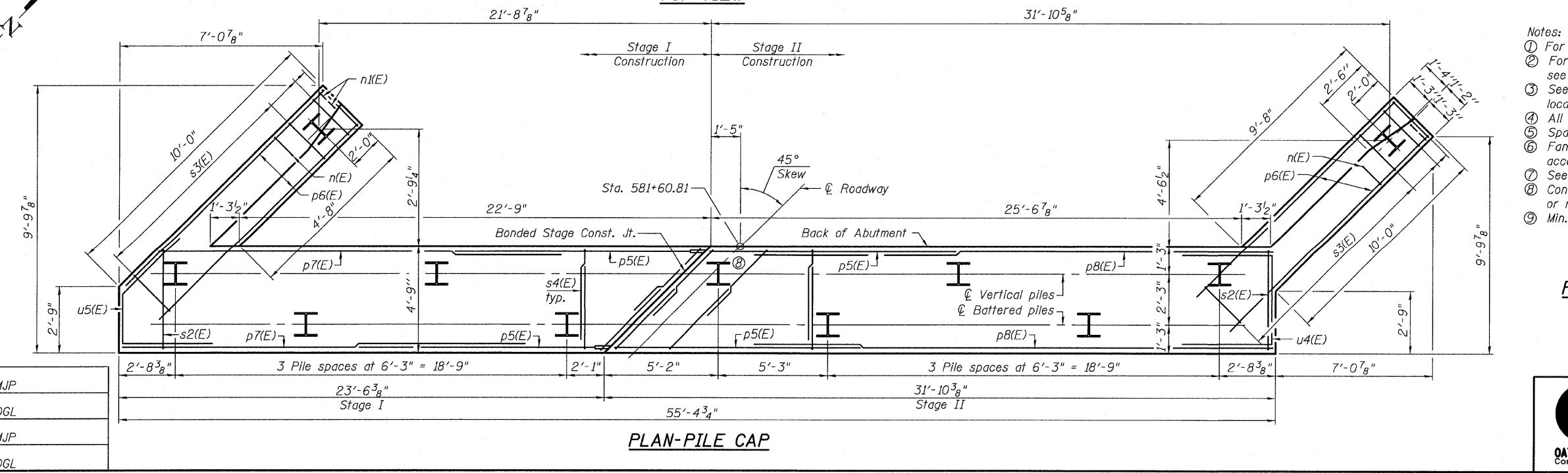
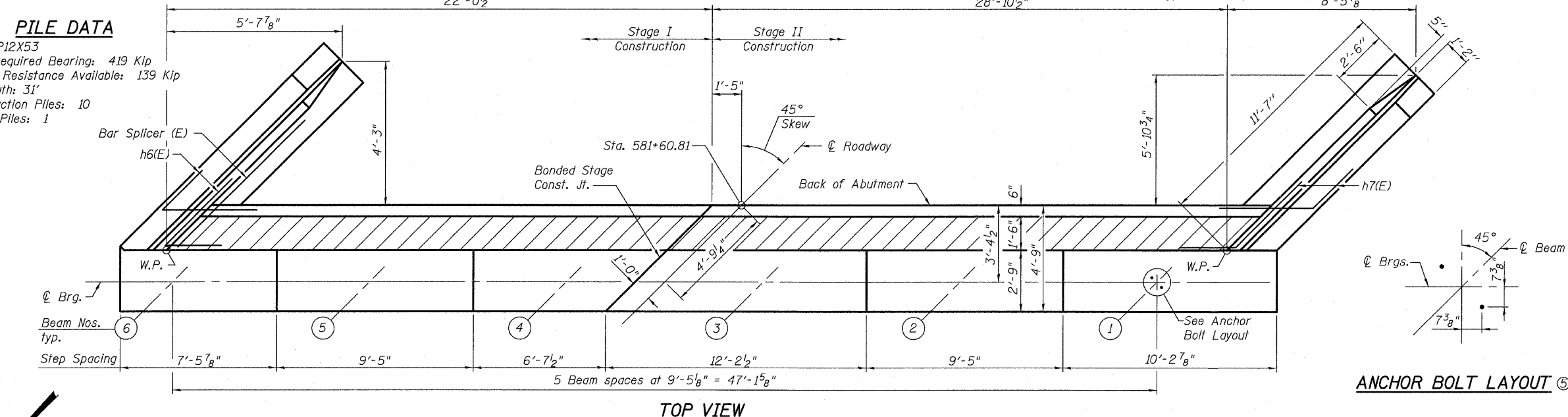
**SOUTH ABUTMENT
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h4(E)	4	#5	23'-8"	—
h5(E)	4	#5	26'-6"	—
h6(E)	8	#5	7'-4"	—
h7(E)	8	#5	7'-4"	—
h8(E)	8	#4	9'-10"	—
h9(E)	8	#4	11'-1"	—
h10(E)	5	#6	23'-8"	—
h11(E)	5	#6	26'-6"	—
h12(E)	8	#4	9'-6"	—
h13(E)	8	#4	8'-3"	—
n(E)	16	#6	11'-8"	—
n1(E)	12	#6	5'-10"	—
p5(E)	20	#8	12'-0"	—
p6(E)	12	#7	11'-10"	—
p7(E)	10	#8	20'-3"	—
p8(E)	10	#8	25'-11"	—
s2(E)	53	#4	15'-11"	—
s3(E)	28	#4	9'-5"	—
s4(E)	28	#4	11'-4"	—
u4(E)	4	#6	11'-6"	—
u5(E)	4	#6	9'-7"	—
v4(E)	104	#5	4'-11"	—
v5(E)	52	#4	3'-3"	—
v6(E)	16	#6	5'-11"	—
v7(E)	6	#6	5'-2"	—
v8(E)	22	#6	5'-10"	—
Structure Excavation		Cu. Yd.	149	
Concrete Structures		Cu. Yd.	52.1	
Concrete Encasement		Cu. Yd.	3.8	
Reinforcement Bars, Epoxy Coated		Pound	5,570	
Furnishing Steel Piles HP12x53		Foot	310	
Driving Piles		Foot	310	
Test Pile Steel HP12x53		Each	1	
Pile Shoes		Each	11	
Concrete Sealer		Sq. Ft.	318	



PILE DATA

Type: HP12X53
Nominal Required Bearing: 419 Kip
Allowable Resistance Available: 139 Kip
Est. Length: 31'
No. Production Piles: 10
No. Test Piles: 1



- Notes:
- ① For details of Bar Splicers, see sheet 23 of 27.
 - ② For details of piles and Concrete Encasement, see sheet 22 of 27.
 - ③ See sheet 19 of 27 for wingwall reinforcing locations and details.
 - ④ All edges shall have standard 3/4" chamfer.
 - ⑤ Space reinforcement in cap to miss anchor bolts.
 - ⑥ Fan s4(E) bars as required. Lap length varies to accommodate skew. Minimum lap length is 1'-11".
 - ⑦ See Sec. Thru Abut. on sheet 19 of 27 for bar locations.
 - ⑧ Contractor shall drive during Stage I if clearance allows or may move as approved by the Engineer.
 - ⑨ Min. bar lap: #8 bars = 6'-4".

**SOUTH ABUTMENT DETAILS
IL 47 OVER JOHNNY RUN
FAP ROUTE 326 - SECTION 119BR
GRUNDY COUNTY
STATION 582+65.75
STRUCTURE NO. 032-0112**

DESIGNED MJP
CHECKED DGL
DRAWN MJP
CHECKED DGL

OATES ASSOCIATES
Consulting Engineers
Design Firm License No. 184.001115

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