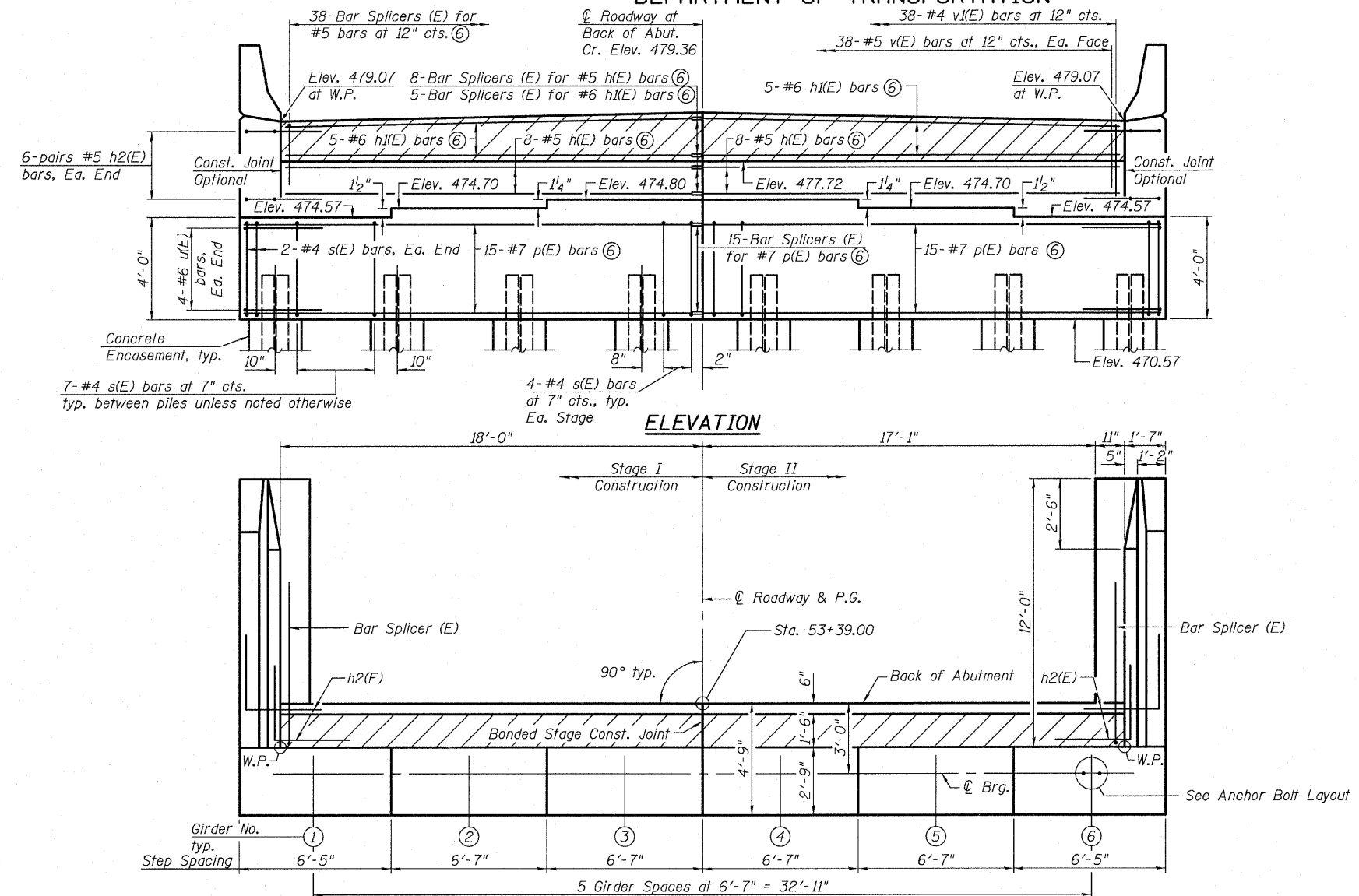


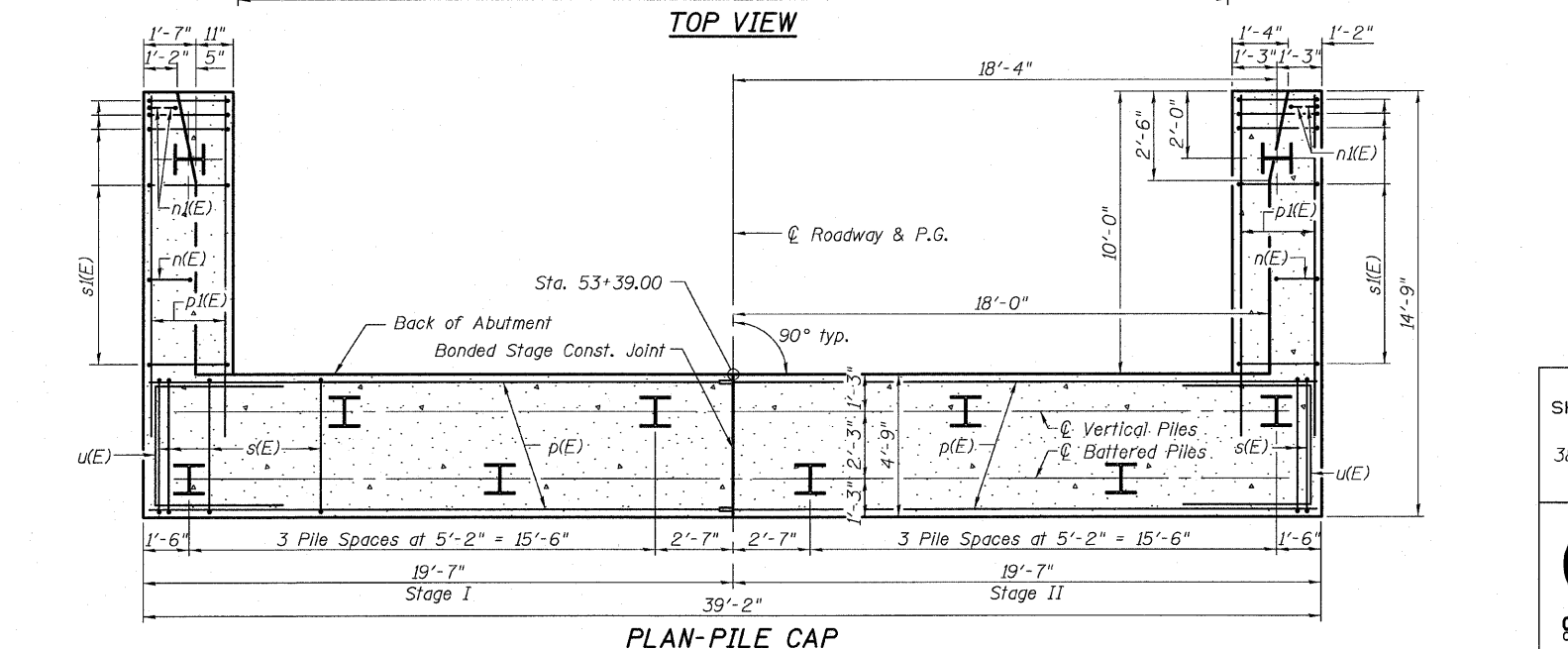
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**EAST ABUTMENT
BILL OF MATERIAL**



Bar	No.	Size	Length	Shape
h(E)	16	#5	19'-3"	—
h1(E)	10	#6	19'-3"	—
h2(E)	24	#5	7'-4"	└
h3(E)	20	#4	11'-8"	—
h4(E)	12	#4	11'-9"	—
n(E)	18	#6	13'-2"	—
n1(E)	12	#6	6'-7"	—
p(E)	30	#7	19'-3"	—
p1(E)	12	#7	11'-10"	—
s(E)	54	#4	16'-11"	—
s1(E)	32	#4	9'-5"	—
u(E)	8	#6	11'-6"	—
v(E)	76	#5	5'-7"	—
v1(E)	38	#4	3'-0"	—
v2(E)	24	#6	6'-6"	—
v3(E)	6	#6	6'-5"	—
v4(E)	18	#6	7'-2"	—
Structure Excavation			Cu. Yd.	164
Concrete Structures			Cu. Yd.	49.3
Concrete Encasement			Cu. Yd.	3.5
Reinforcement Bars, Epoxy Coated			Pound	4,940
Furnishing Steel Piles, HP12x63			Foot	774
Driving Piles			Foot	774
Test Pile Steel HP12x63			Each	1
Concrete Sealer			Sq. Ft.	266

- Notes:
- For details of Bar Splicers, see sheet 30 of 38.
 - For details of piles and Concrete Encasement, see sheet 29 of 38.
 - For wingwall reinforcing locations and reinforcement details, see sheet 25 of 38.
 - All edges shall have standard 3/4" chamfer.
 - Space reinforcement in cap to miss anchor bolts.
 - For bar locations, see Sec. Thru Abut. on sheet 25 of 38.



ANCHOR BOLT LAYOUT

PILE DATA
Type: HP12x63
Nominal Required Bearing: 497 Kip
Factored Resistance Available: 249 Kip
Est. Length: 86'
No. Production Piles: 9
No. Test Piles: 1

**EAST ABUTMENT DETAILS
STRUCTURE NO. 026-0105**

SHEET NO. 24 38 SHEETS	F.A.P. RTE. 752	SECTION (U-2BR)B-1	COUNTY FAYETTE	TOTAL SHEETS 71	SHEET NO. 46
	CONTRACT NO. 74235				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					
<p>OATES ASSOCIATES Consulting Engineers</p>	Eastport Business Center 1 100 Lanter Court, Suite 1 Collinsville, Illinois 62234 618-345-2200 Design Firm License No. 184.001115				DESIGNED JAD
					CHECKED NEL
					DRAWN MAG
					CHECKED NEL