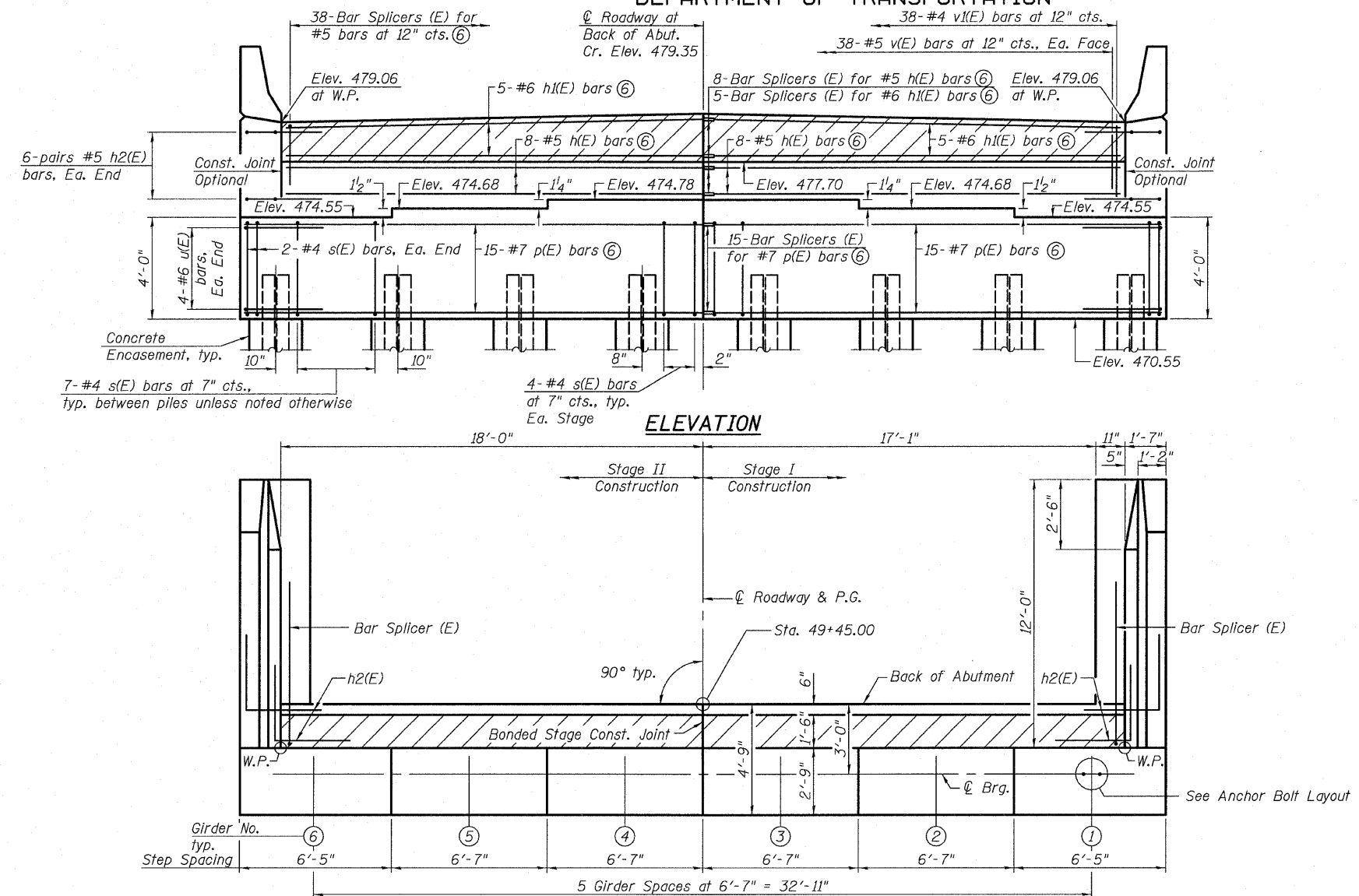


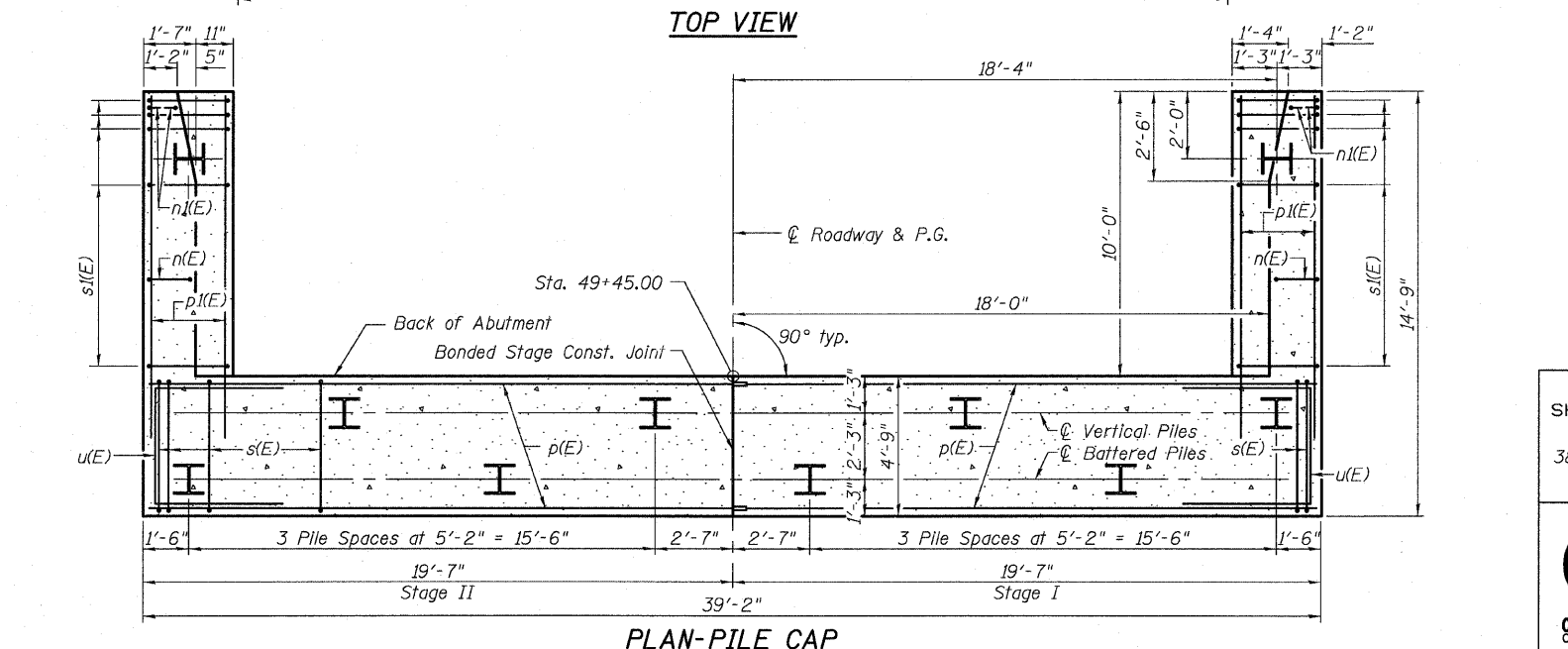
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT
BILL OF MATERIAL

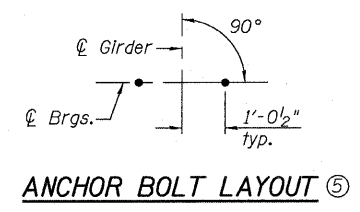
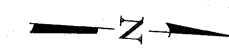


Bar	No.	Size	Length	Shape
h(E)	16	#5	19'-3"	—
h1(E)	10	#6	19'-3"	—
h2(E)	24	#5	7'-4"	L
h3(E)	20	#4	11'-8"	—
h4(E)	12	#4	11'-9"	—
n(E)	18	#6	13'-2"	—
n1(E)	12	#6	6'-7"	—
p(E)	30	#7	19'-3"	—
p1(E)	12	#7	11'-10"	—
s(E)	54	#4	16'-11"	—
s1(E)	32	#4	9'-5"	—
u(E)	8	#6	11'-6"	—
v(E)	76	#5	5'-7"	—
v1(E)	38	#4	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	819
Driving Piles			Foot	819
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.



WEST ABUTMENT DETAILS
STRUCTURE NO. 026-0105



PILE DATA
Type: HP12x63
Nominal Required Bearing: 497 Kip
Factored Resistance Available: 249 Kip
Est. Length: 91'
No. Production Piles: 9
No. Test Piles: 1

SHEET NO. 23	F.A.P. RTE. 752	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		(U-2BR)B-1	FAYETTE	71	45
38 SHEETS	FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT	CONTRACT NO. 74235	
QATES ASSOCIATES Consulting Engineers		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	