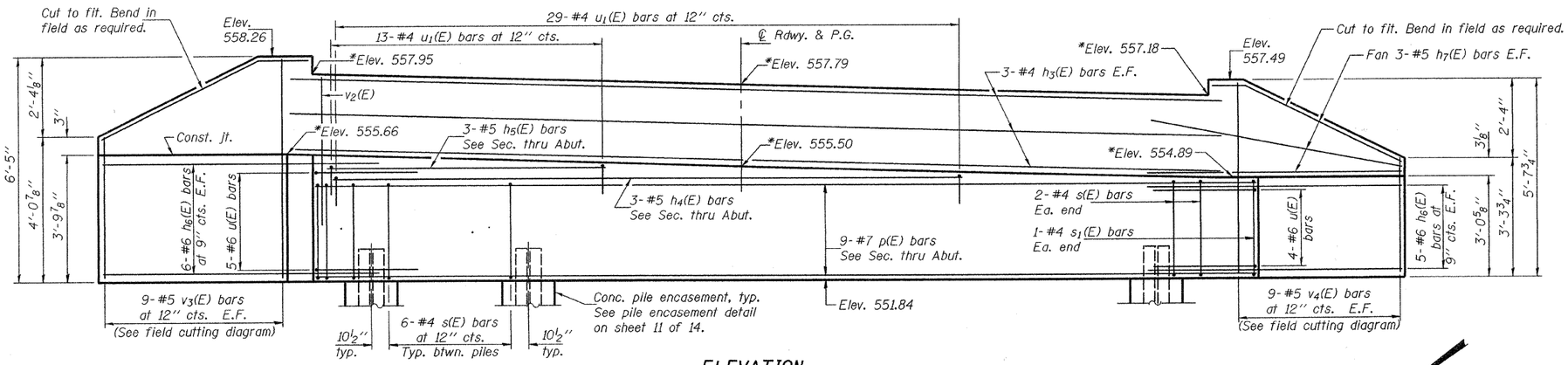
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

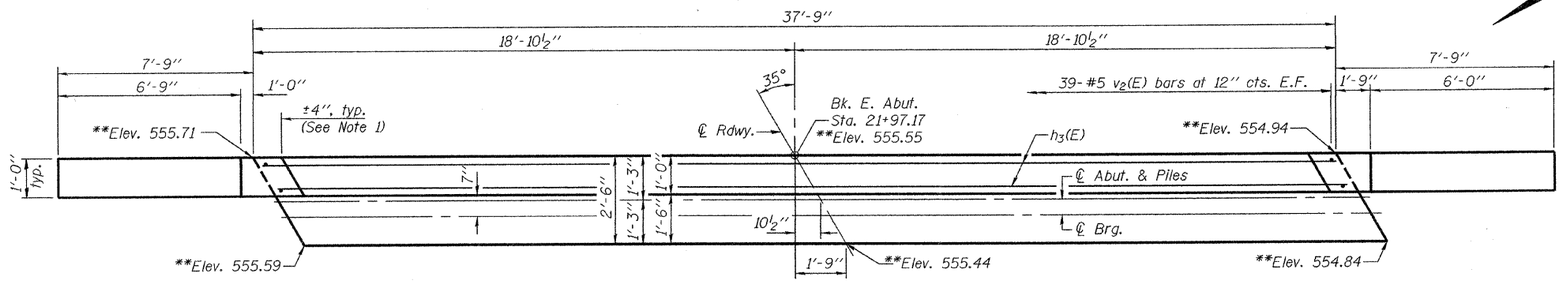
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 653	04-00256-00-BR	SHELBY	40	34
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 8
14 SHEETS

Contract No. 95555

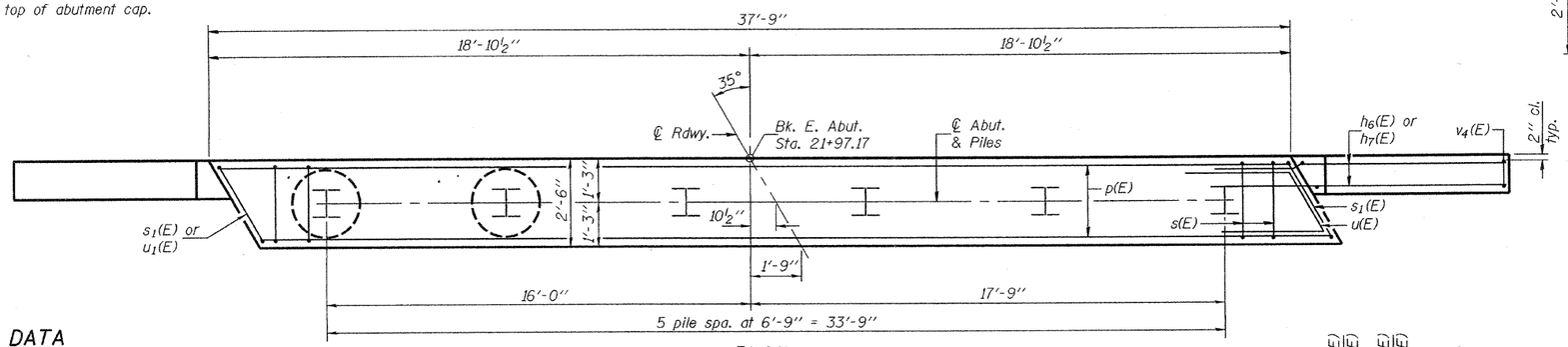


ELEVATION
Looking East)

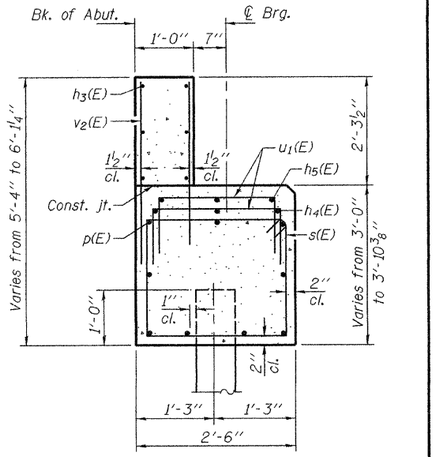


TOP VIEW

* Elevations at front face of abutment wall.
** Elevations at top of abutment cap.



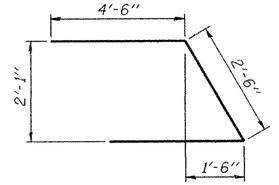
PLAN



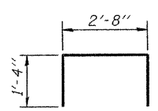
SECTION THRU ABUTMENT
(Showing dimensions at Rt. L's)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$h_3(E)$	6	#4	37'-5"	
$h_4(E)$	3	#5	27'-6"	
$h_5(E)$	3	#5	11'-10"	
$h_6(E)$	22	#6	9'-11"	
$h_7(E)$	12	#5	9'-11"	
p(E)	9	#7	37'-5"	
s(E)	34	#4	10'-5"	
$s_1(E)$	2	#4	11'-5"	
u(E)	9	#6	11'-6"	
$u_1(E)$	42	#4	5'-4"	
$v_2(E)$	78	#5	4'-3"	
$v_3(E)$	9	#5	9'-8"	
$v_4(E)$	9	#5	8'-3"	
Structure Excavation		Cu. Yd.		63
Concrete Structures		Cu. Yd.		18.5
Reinforcement Bars, Epoxy Coated		Pound		2480
Furnishing Steel Piles HP10x42		Foot		140
Driving Steel Piles		Foot		140
Test Pile Steel HP10x42		Each		1
Concrete Encasement		Cu. Yd.		2.1



BAR u(E)



BAR $u_1(E)$

PILE DATA

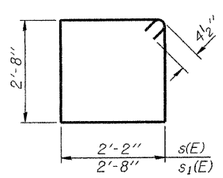
Type: Steel HP10x42
Nominal Required Bearing: 282 Kips
Factored Resistance Available: 141 Kips
Est. Length: 28'
No. Production Piles: 5
No. Test Piles: 1

DESIGNED	Jay D. Edwards
CHECKED	Nick R. Barnett
DRAWN	h.t. duong
CHECKED	JDE/NRB/GRA

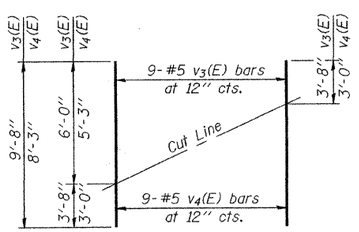
EXAMINED Sep. 4, 2008 Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

NOTES

1. The backwall and the portion of the wingwalls above the bonded construction joint shall be cast against the in-place beam.
2. Space reinforcement in cap to miss dowel rods.
3. $u_1(E)$ bars shall be placed along the skew.



BARS s(E) & $s_1(E)$



FIELD CUTTING DIAGRAM
Order $v_3(E)$ & $v_4(E)$ full length. Cut as shown and use remainder of bars in opposite face.

EAST ABUTMENT
F.A.S. RTE. 653 - SEC. 04-00256-00-BR
SHELBY COUNTY
STATION 21+06.00
STRUCTURE NO. 087-3563

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