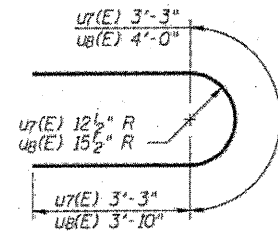
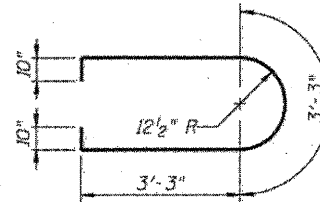


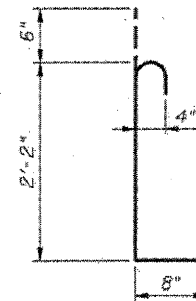
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



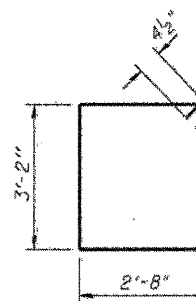
BARS u7(E) & u8(E)



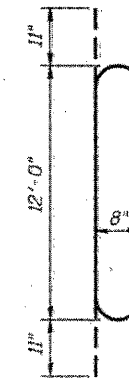
BARS u6(E)



BAR s6(E)



BAR s7(E)

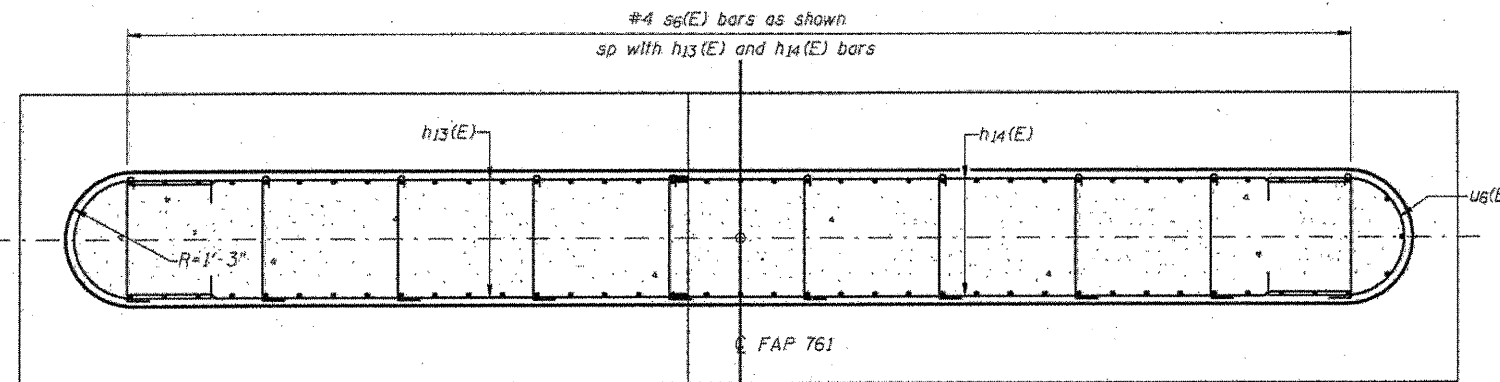


BAR n3(E)

Alternate the position of the 90° hooks on the s6(E) bars in the field.

BILL OF MATERIAL

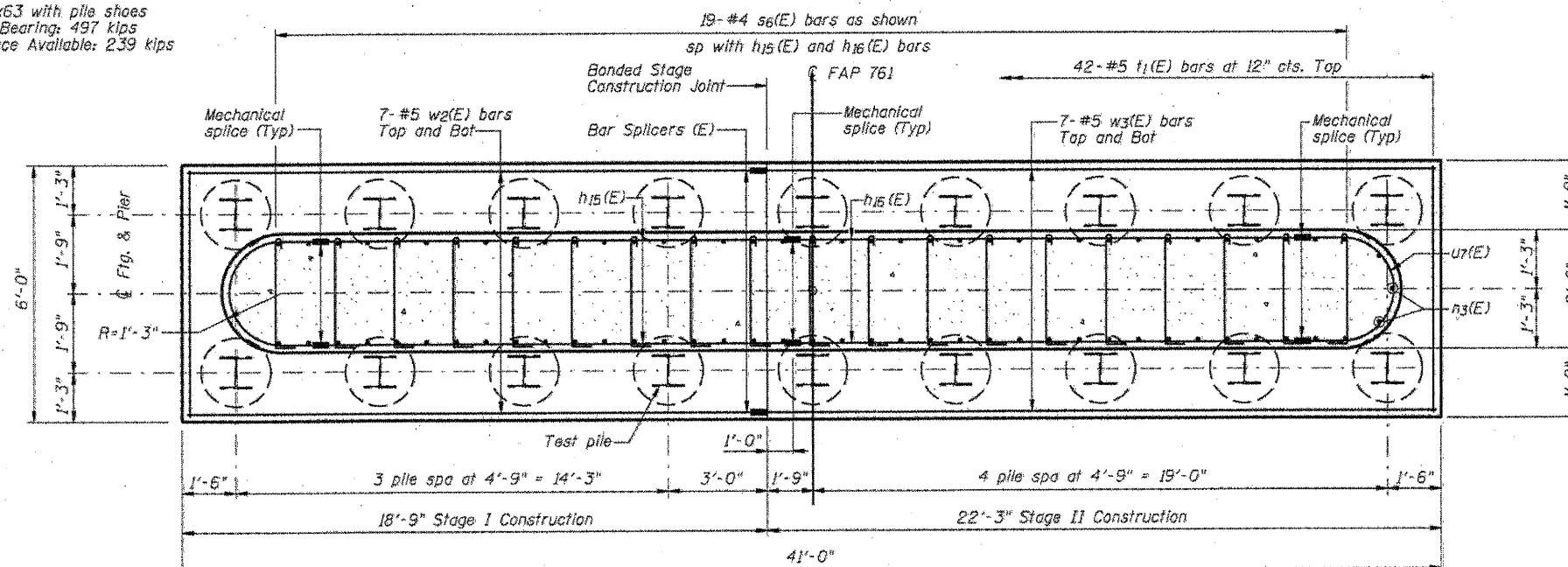
Bar	No.	Size	Length	Shape
h13(E)	10	#5	16'-1"	—
h14(E)	10	#5	19'-7"	—
h15(E)	12	#5	14'-0"	—
h16(E)	12	#5	15'-6"	—
n3(E)	96	#9	13'-10"	U
s6(E)	183	#4	3'-4"	—
s7(E)	49	#4	12'-5"	—
w2(E)	14	#5	18'-6"	—
w3(E)	14	#5	22'-0"	—
u6(E)	10	#5	11'-5"	U
u7(E)	12	#5	9'-9"	U
u8(E)	8	#6	11'-8"	U
t1(E)	42	#5	5'-9"	—
t2(E)	42	#5	5'-9"	—
Structure Excavation		Cu. Yd.	84	
Concrete Structures		Cu. Yd.	73.0	
Reinforcement Bars, Epoxy Coated		Pound	8670	
Furnishing Steel Piles HP12x63		Foot	1139	
Driving Piles		Foot	1139	
File Shoes		Each	18	
Test Pile Steel HP12x63		Each	1	
Concrete Encasement		Cu. Yd.	5.5	
Mechanical Splice		Each	36	
Bar Splicers		Each	36	



SECTION B-B

PILE DATA

Type: Steel HP12x63 with pile shoes
Nominal Required Bearing: 497 kips
Factored Resistance Available: 239 kips
Est. Length: 67'
No. Req'd: 17
Test Pile: 1



SECTION C-C

Note:
Four steps monolithically with cap.
Reinforcement Bars designated (E) shall be epoxy coated.
For details of Bar Splicers, see sheet 45 of 51.
For details of piles see sheet 44 of 51.
All edges shall have standard 3/4" chamfer.
Space reinforcement in cap to miss anchor bolts.

DESIGNED -	J.M.B.
CHECKED -	T.E.S.
DRAWN -	R KING
CHECKED -	J.M.B.

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(Sheet 2 of 2)
PIER 4 DETAILS
STRUCTURE NUMBER 059-0510

SHEET NO. 43 OF 51 SHEETS	F.A.P. RTE. 761	SECTION 107B-2	COUNTY MACOUPIN	TOTAL SHEETS 98	SHEET NO. 73
	FAP ROUTE 761 (IL RT 108)		CONTRACT NO. 72A94		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					