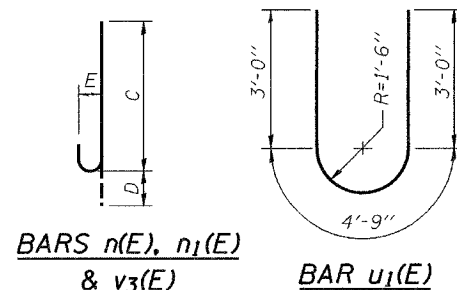


Notes: Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
For bar splicers details, see sheet 22 of 24.
For anchor bolt details, see sheet 17 of 24.

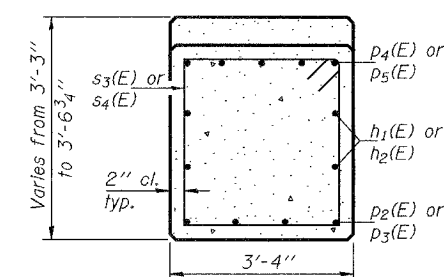
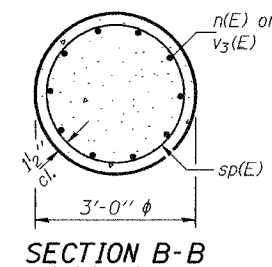
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 20
F.A.P. 698	IVBR	BUREAU	72	47	24 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract No. 66361



Bar	C	D	E
n(E)	9'-10"	1'-5"	1'-1 1/4"
n1(E)	4'-4"	10"	7"
v3(E)	15'-7"	1'-5"	1'-1 1/4"



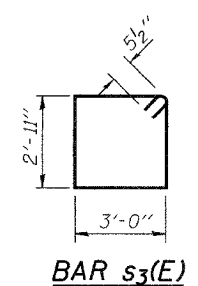
A & B DIMENSIONS

Bar	A	B
s4(E)	3'-0"	2'-7"
s5(E)	3'-0"	8'-10"
s6(E)	3'-0"	4'-4"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h1(E)	4	#5	15'-8"	
h2(E)	4	#5	18'-3"	
h3(E)	4	#7	12'-11"	
h4(E)	4	#7	15'-6"	
h5(E)	18	#5	12'-11"	
h6(E)	18	#5	15'-6"	
n(E)	40	#10	11'-3"	
n1(E)	6	#7	5'-2"	
p2(E)	4	#8	15'-7"	
p3(E)	4	#8	18'-2"	
p4(E)	5	#8	15'-8"	
p5(E)	5	#8	18'-3"	
s3(E)	32	#5	12'-9"	
s4(E)	12	#5	8'-2"	
s5(E)	37	#5	20'-8"	
s6(E)	37	#7	11'-8"	
sp(E)	4	#5	13'-9"	
t(E)	60	#8	9'-8"	
t1(E)	37	#5	9'-8"	
u1(E)	28	#5	10'-9"	
v3(E)	40	#10	17'-0"	
v6(E)	6	#5	8'-10"	
w(E)	22	#5	16'-2"	
w1(E)	22	#5	18'-9"	
Concrete Structures			Cu. Yd.	94.7
Reinforcement Bars, Epoxy Coated			Pound	12000
Structure Excavation			Cu. Yd.	82
Furnishing Steel Piles HP12x63			Foot	110
Pile Shoes			Each	12
Driving Piles			Foot	110
Test Pile Steel HP12x63			Each	1

BARS s4(E), s5(E) & s6(E)



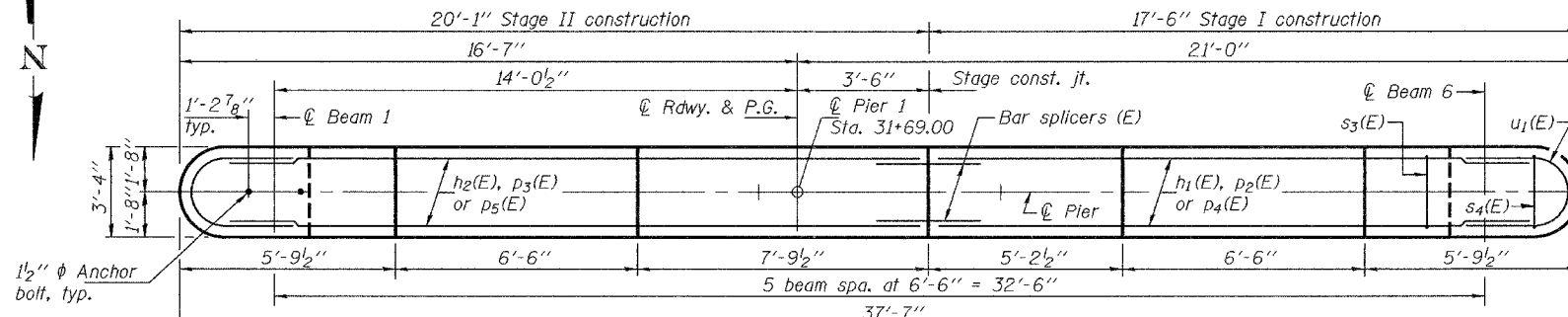
PILE DATA

Type: Steel HP12x63 with pile shoes
Nominal Required Bearing: 401.2 Kips
Factored Resistance Available: 200.6 Kips
Estimated Pile Length: 10'
No. Production Piles: 11
No. Test Piles: 1

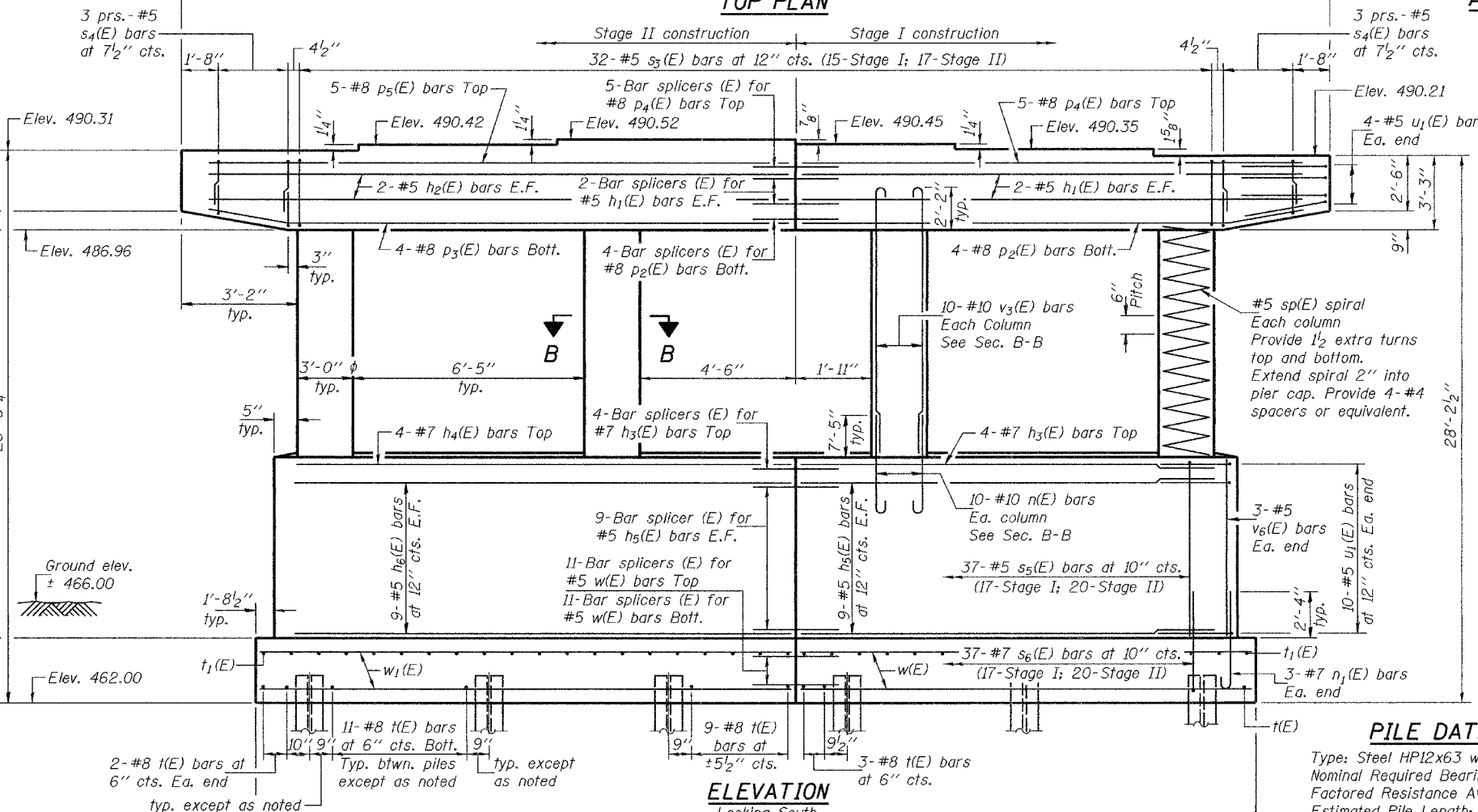
BAR p2(E)

BAR p3(E)

PIER 1
F.A.P. RTE. 698 - SECTION IVBR
BUREAU COUNTY
STATION 32+32.00
STRUCTURE NO. 006-0164

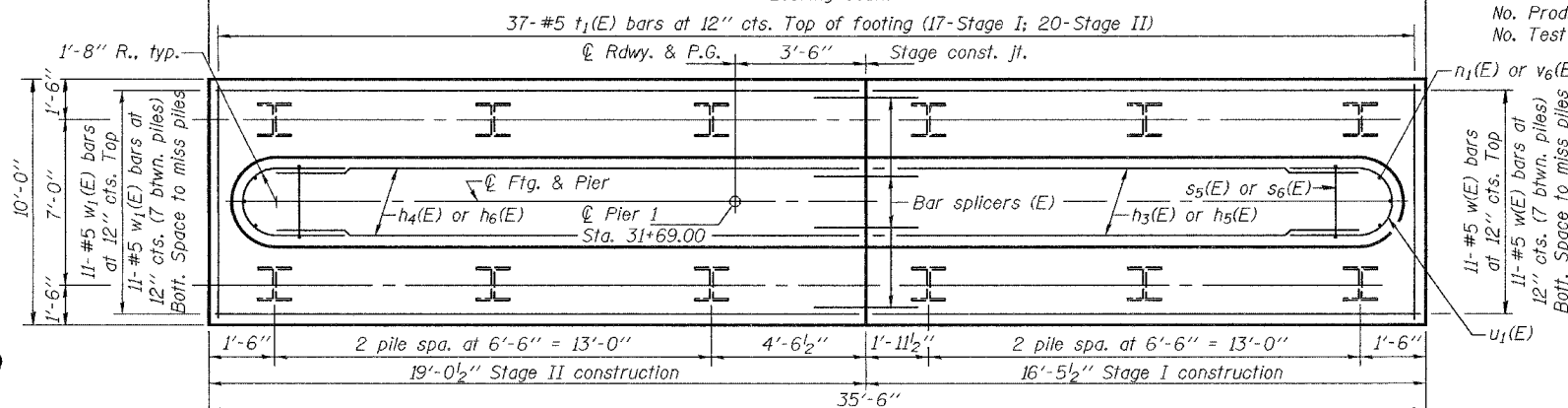


TOP PLAN



ELEVATION

Looking South



FOOTING PLAN

CONSTRUCTION SEQUENCE

- Pre-core piles to Elev. ± 458.0 according to Art. 512.10c of the Standard Specifications.
- Drive the piles to the required nominal required bearing.
- Use concrete to fill the annulus up to Elev. ± 461.5 . Cost included with Driving Piles.

DESIGNED	RLT
CHECKED	PEC
DRAWN	h.t. duong
CHECKED	RLT/PEC

EXAMINED *Thomas J. Domagala*
PASSED *Ralph E. Anderson*
Jan 9, 2007
ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES