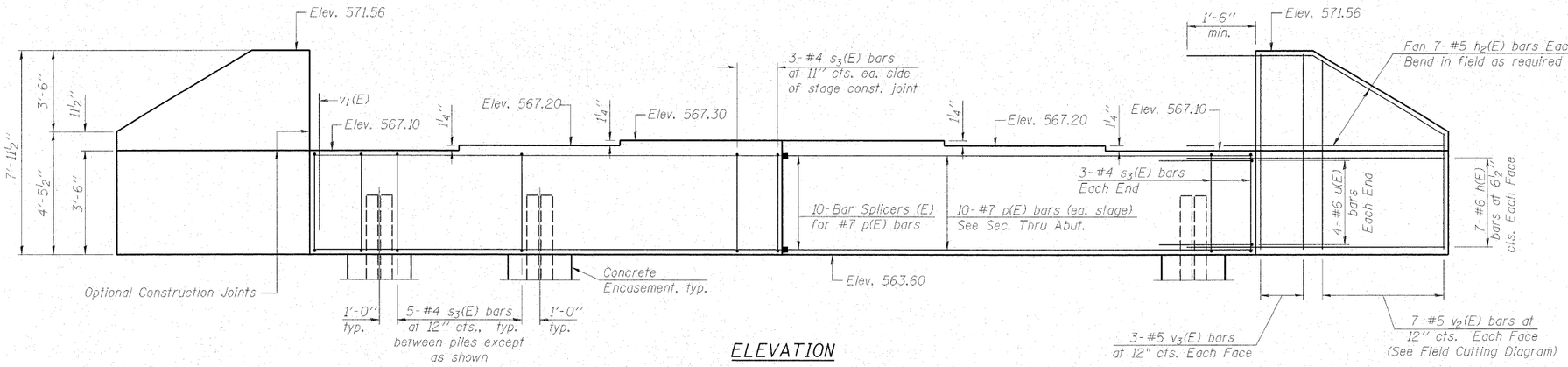
Notes: Pour steps monolithically with cap.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

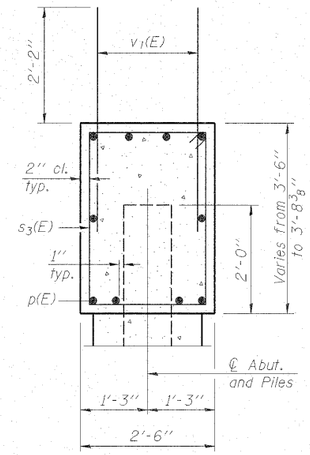
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 773 IL 121	(108BR-3)B-1	CUMBERLAND	96	52
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 17
22 SHEETS

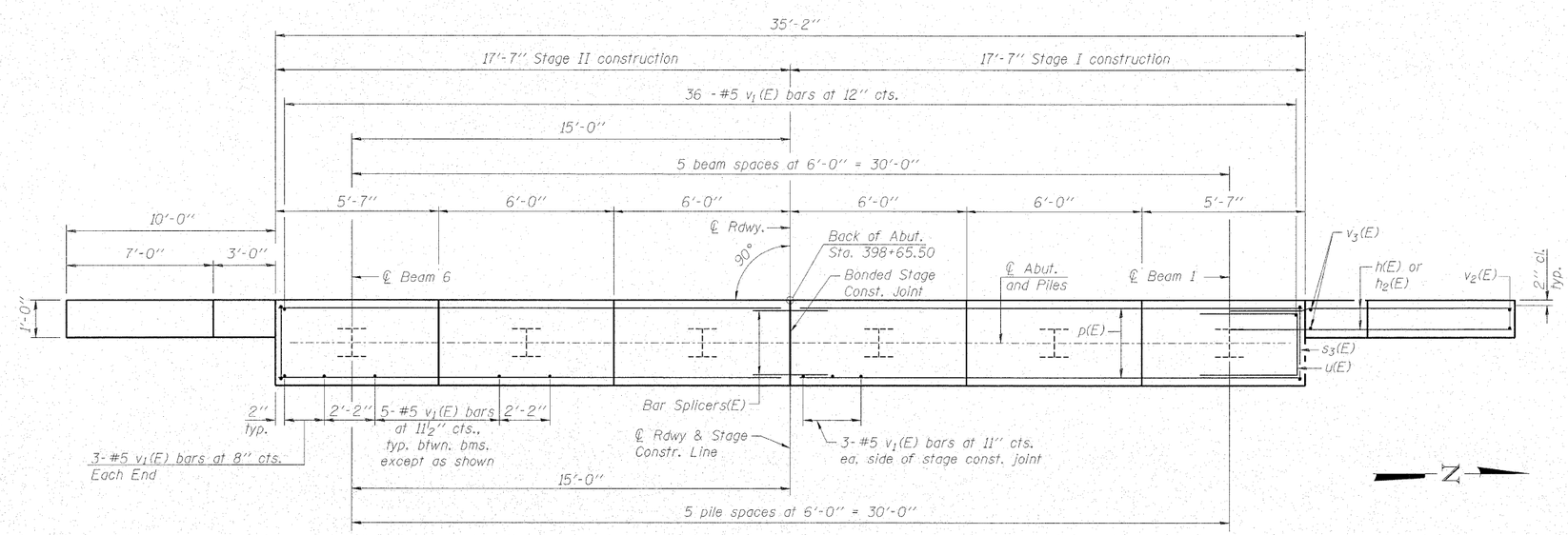
Contract # 74237



ELEVATION



SEC. THRU ABUT.



PLAN

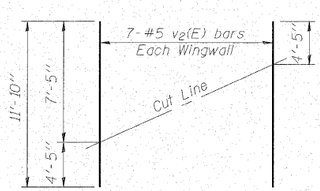
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	28	#6	12'-2"	——
h2(E)	28	#5	12'-2"	——
p(E)	20	#7	17'-3"	——
s3(E)	32	#4	11'-5"	□
u(E)	8	#6	7'-9"	▭
v1(E)	68	#5	4'-4"	——
v2(E)	14	#5	11'-10"	——
v3(E)	12	#5	7'-8"	——
Structure Excavation		Cu. Yd.	70	
Concrete Structures		Cu. Yd.	16.7	
Concrete Encasement		Cu. Yd.	2.1	
Reinforcement Bars, Epoxy Coated		Pound	2490	
Furnishing Steel Piles HP12x63		Foot	170	
Driving Piles		Foot	170	
Test Pile Steel HP12x63		Each	1	

For details of Bar Splicers, see sheet 21 of 22.
For details of piles and Concrete Encasement, see sheet 20 of 22.

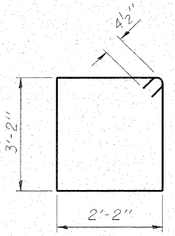
PILE DATA

Type: Steel HP12x63
Nominal Required Bearing: 497 kips
Factored Resistance Available: 248 kips
Est. Length: 34 feet
No. Production Piles: 5
No. Test Piles: 1

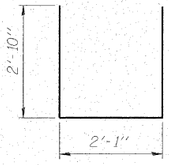


FIELD CUTTING DIAGRAM

Order v2(E) full length. Cut as shown and use remainder of bars in opposite face.



BAR s3(E)



BAR u(E)

MAURER ▲ STUTZ, INC. ENGINEERS SURVEYORS

DESIGNED	- BAS
CHECKED	- KEF
DRAWN	- LAD
CHECKED	- RJA

WEST ABUTMENT

IL ROUTE 121 OVER MULE CREEK
F.A.P. RTE. 773 - SECTION (108BR-3)B-1
CUMBERLAND COUNTY
STATION 399+34.00
STRUCTURE NO. 018-0062