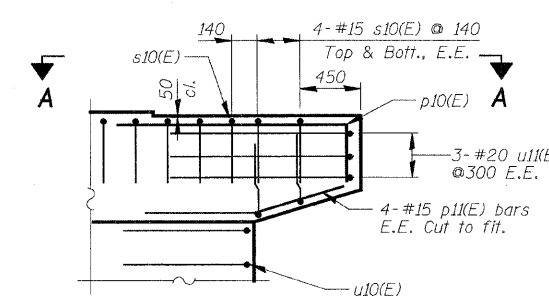
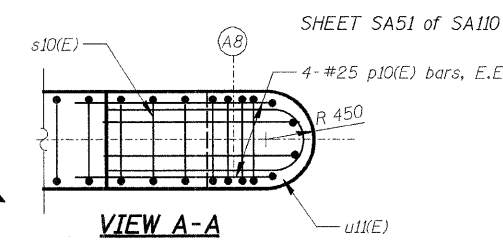
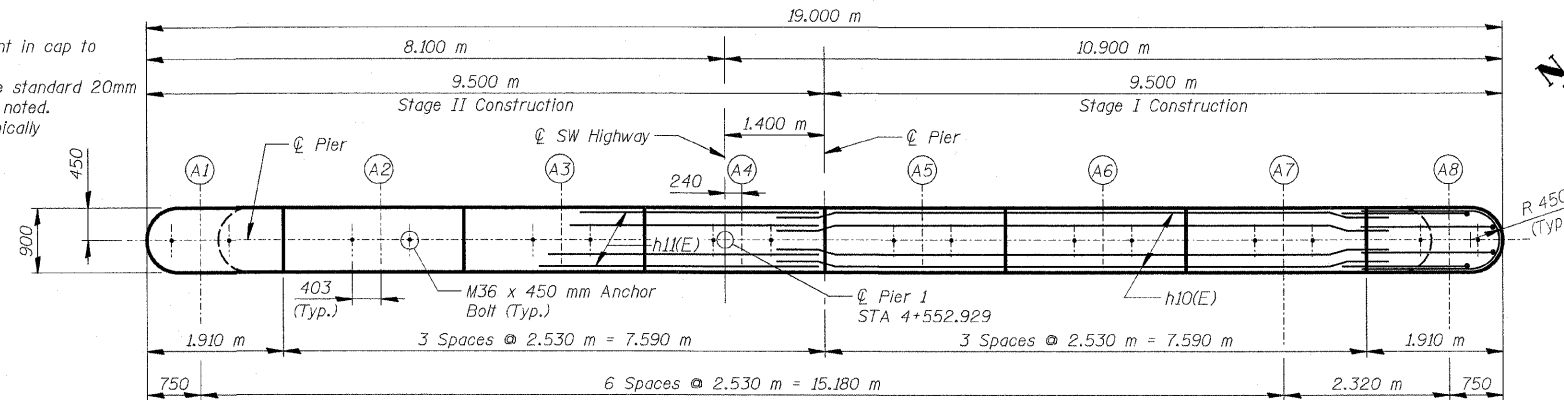
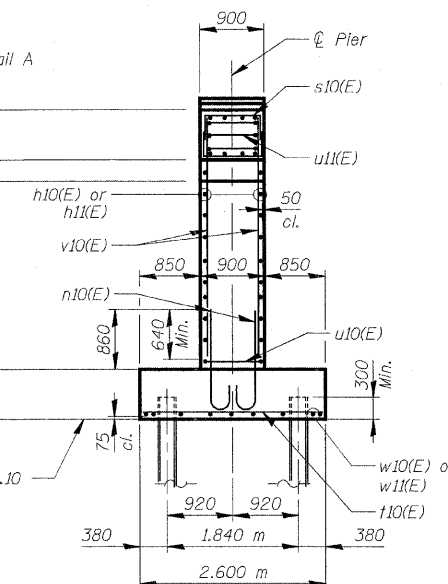
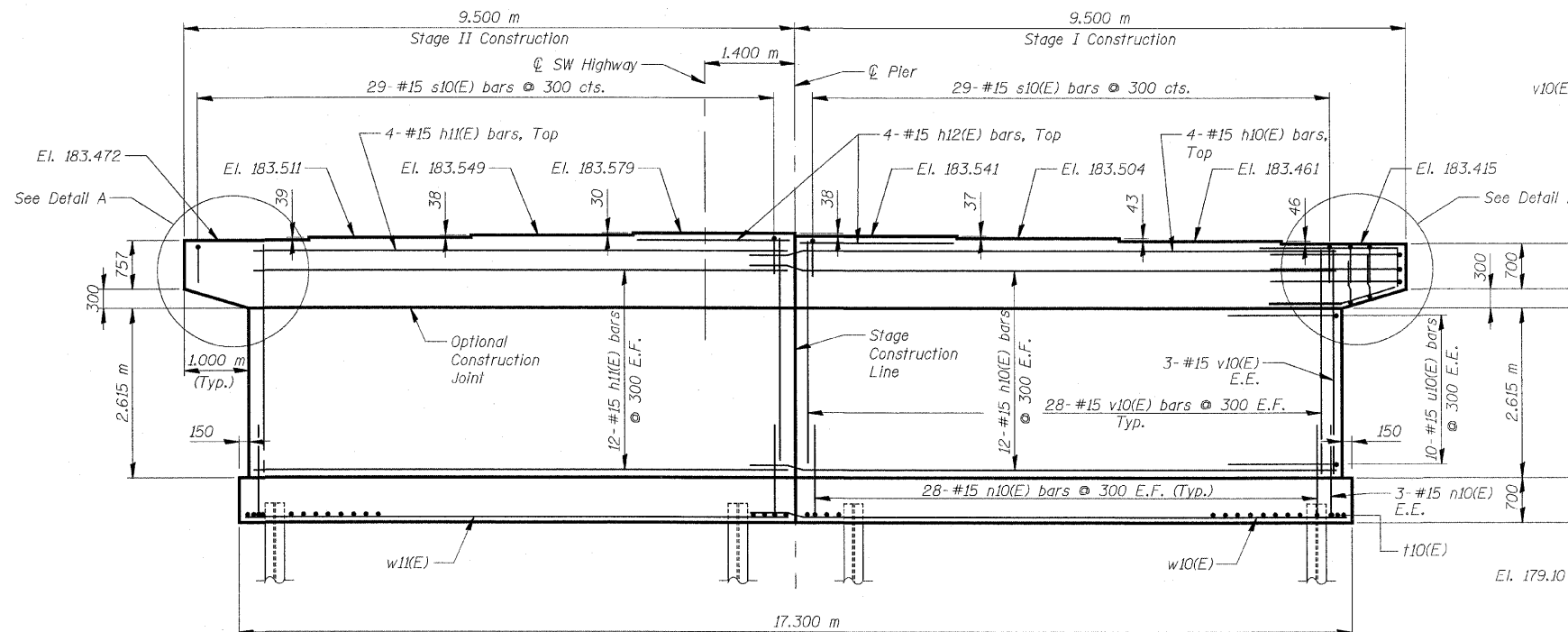


NOTES:

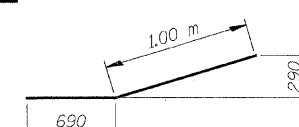
Space Reinforcement in cap to miss anchor bolts.
All edges shall have standard 20mm chamfer except as noted.
Pour steps monolithically with cap.



v10(E), h10(E) & h11(E) not shown for clarity



BAR p10(E)



BAR p11(E)

Diagram showing the placement of BAR p11(E) reinforcement bars.

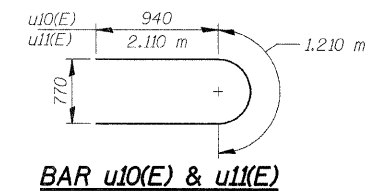
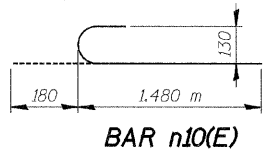
BAR s10(E)

Diagram showing the placement of BAR s10(E) reinforcement bars.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3578	15 VB-1-F	COOK	62	50
STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT
			CONTRACT NO. 60H54	

BILL OF MATERIAL

Bar	No.	Size	Length (m)	Shape
h10(E)	28	#15	8.940	—
h11(E)	28	#15	8.000	—
h12(E)	8	#15	2.430	—
n10(E)	118	#15	1.660	—
p10(E)	8	#25	3.460	—
p11(E)	8	#15	1.690	—
s10(E)	74	#15	2.080	—
u10(E)	68	#25	2.500	—
u11(E)	20	#15	3.090	—
u12(E)	6	#20	5.430	—
v10(E)	118	#15	3.520	—
w10(E)	10	#15	9.290	—
w11(E)	10	#15	8.550	—
Structure Excavation			m ³	92
Concrete Structures			m ³	89.8
Reinforcement Bars, Epoxy Coated			kg	3,230
Furnishing Steel Piles HP310x79			m	383.8
Driving Piles			m	383.8
Test Pile Steel HP310x79			Each	1
Pile Shoes			Each	20



BAR SIZE	MIN. LAP
#15	890 mm
#20	1.110 m
#25	1.850 m

NOTE: Use a min. lap splice of 640 for w10(E) & w11(E) bars

LEGEND:

E.E. Each End
E.F. Each Face

NOTES:

- Reinforcement bars designated (E) shall be Epoxy Coated.
- Bars indicated thus 20 x 3 -#15 etc. indicates 20 lines of bars with 3 lengths per line.
- All dimensions are in millimeters (mm) except as noted.

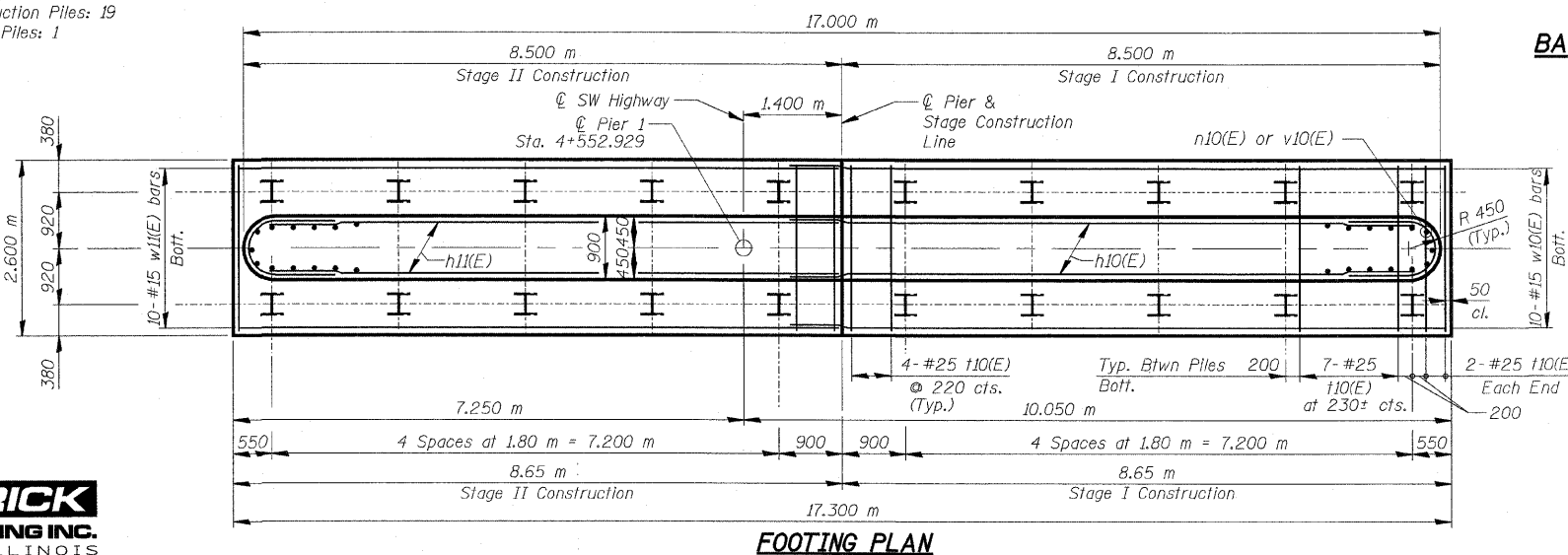
REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION	
PIER 1	
SOUTHWEST HIGHWAY OVER	
B&O RAILROAD AND STONY CREEK	
FAU 3578	SECTION 15 VB-1-F
STRUCTURE NUMBER	016-2771
COOK COUNTY	STATION 4+716.497
SCALE: NONE	DRAWN BY: E. Mroozek
DATE: MAY 22, 2009	CHECKED BY: G. Hattestad

FOR INFORMATION ONLY

PILE DATA

Type: Steel HP 12x53 with pile shoes
Nominal Required Bearing: 1860 kN
Allowable Resistance Available: 620 kN
Est. Length: 20.2 m
No. Production Piles: 19
No. Test Piles: 1



PATRICK
ENGINEERING INC.
LISLE, ILLINOIS