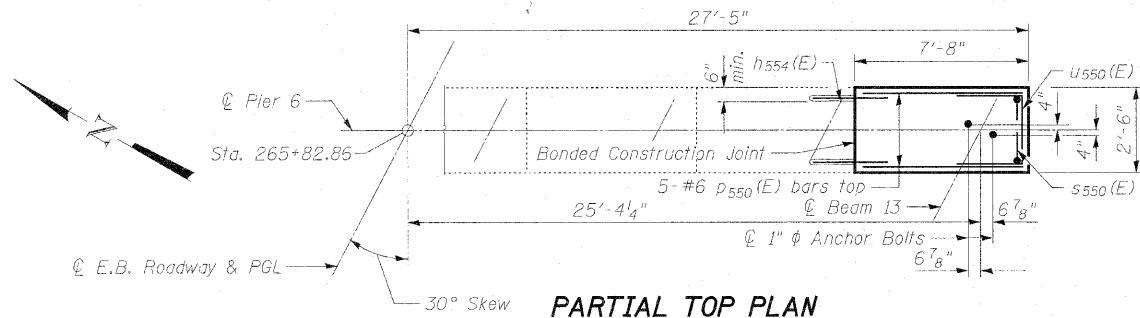
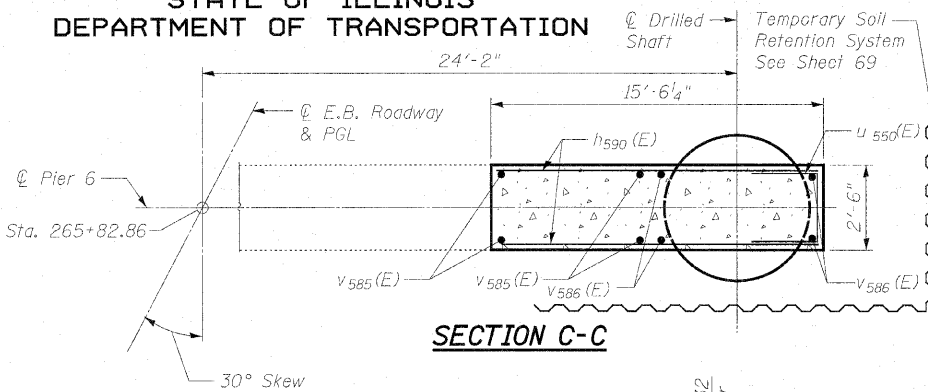


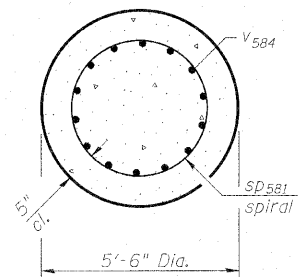
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



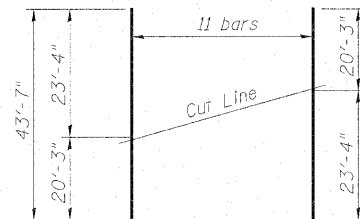
PARTIAL TOP PLAN



SECTION C-C

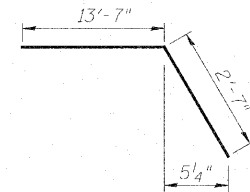


SECTION B-B



**** BAR v585(E)**

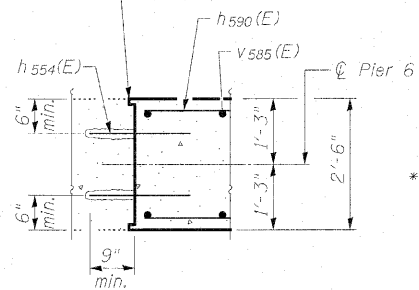
Order bars full length. Cut to fit as shown and place on one face of the pier. Use remainder of bars on the opposite face.



BAR h589(E)

BARS s550(E) & u550(E)

Chip to remove existing chamfer, hyp.



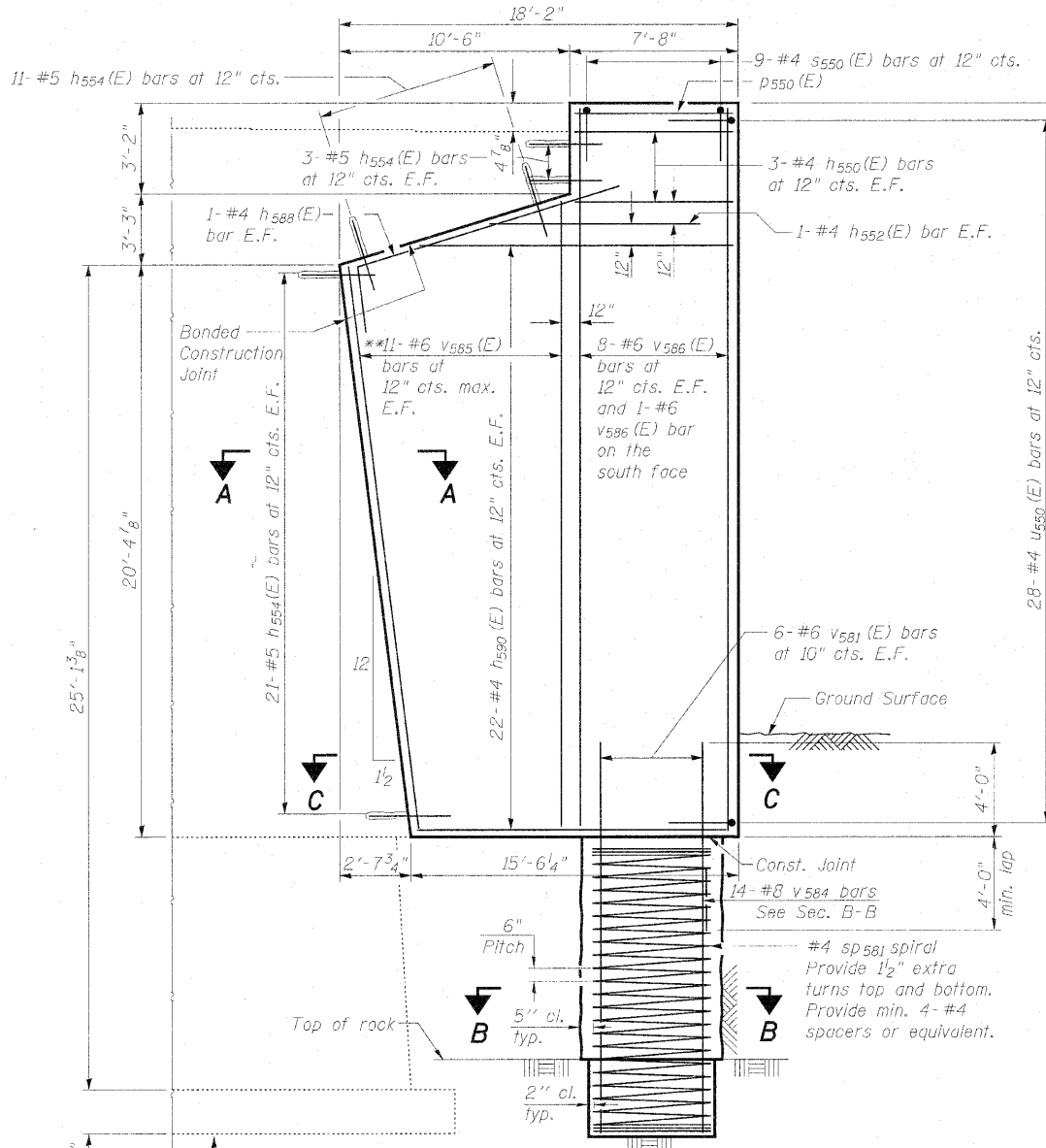
SECTION A-A

BILL OF MATERIAL

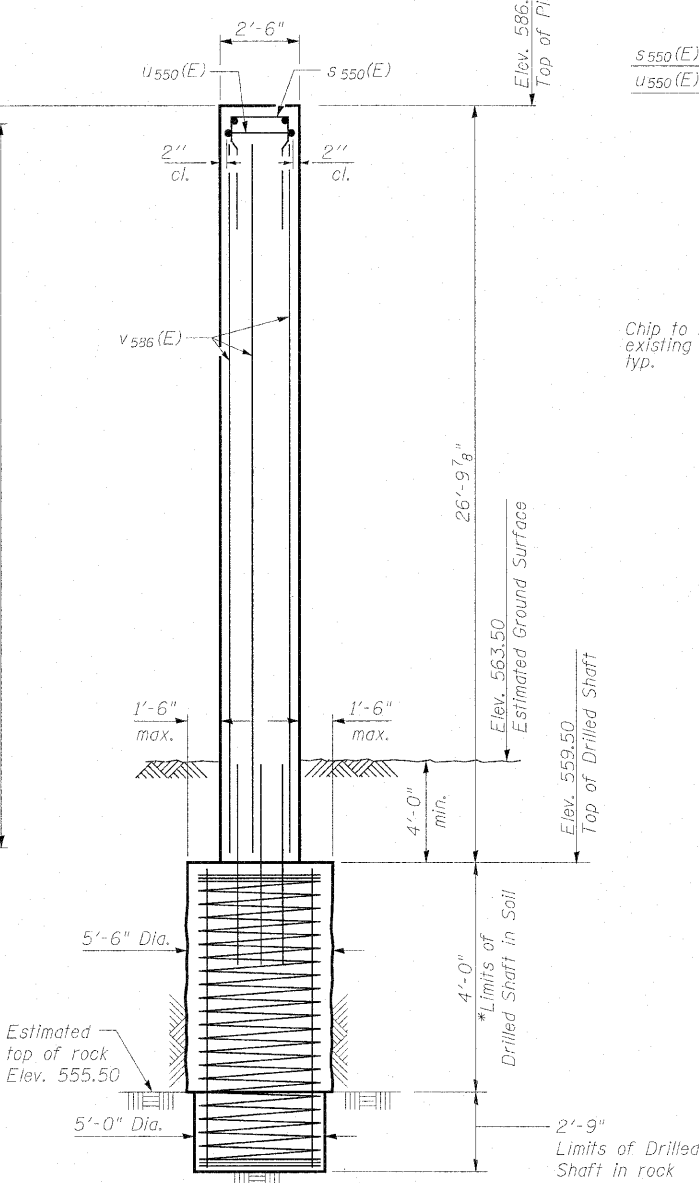
Bar	No.	Size	Length	Shape
h550(E)	6	#4	7'-4"	
h552(E)	2	#4	8'-5"	
h554(E)	70	#5	4'-2"	
h589(E)	2	#4	16'-2"	
h590(E)	44	#5	15'-3"	
p550(E)	5	#6	7'-4"	
s550(E)	9	#4	7'-3"	
*** s581	1	#4	6'-4"	
u550(E)	28	#4	7'-4"	
v584	14	#8	6'-4"	
v581(E)	12	#6	8'-0"	
v585(E)	11	#6	43'-7"	
v586(E)	17	#6	26'-7"	
Structure Excavation		Cu. Yd.	11	
Concrete Structures		Cu. Yd.	38.0	
Reinforcement Bars, Epoxy Coated		Pounds	2,840	
Reinforcement Bars		Pounds	400	
Drilled Shaft in Soil		Cu. Yd.	3.5	
Drilled Shaft in Rock		Cu. Yd.	2.0	
Temporary Soil Retention System		Sq. Ft.	112	

Notes:
Space reinforcement in cap to miss anchor bolts.
Allowable soil bearing pressure is 9,000 psf on sound rock.
Epoxy grout h554(E) bars in 9" (min) drilled holes. See Section 584 of the Standard Specifications. Cost of hole drilling and epoxy grouting is included with Reinforcement Bars, Epoxy Coated.
Reinforcement bars that are to be grouted into existing concrete shall be spaced at least 6" from the edge of existing concrete. Contractor shall avoid drilling into existing reinforcement.
Minimum lap for spirals = 2'-0".
***Length is height of spiral.

**PIER 6 WIDENING
STRUCTURE NO. 081-0024 (W.B.)
STRUCTURE NO. 081-0025 (E.B.)**



**PARTIAL ELEVATION
(Looking East)**



END VIEW

* The quantities and reinforcement detailing are based on the top of shaft and the estimated top of rock elevations shown and may change based on the actual top of rock elevation encountered and final top of shaft elevation.



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SHEET NO.	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
77 SHEETS	280	81-1(VB-1)R	ROCK ISLAND	503	404
CONTRACT NO. 64815					
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

DESIGNED	LAN
CHECKED	SPK
DRAWN	ASJ
CHECKED	SPK

Elev. 552.80
Bottom of
Existing Footing