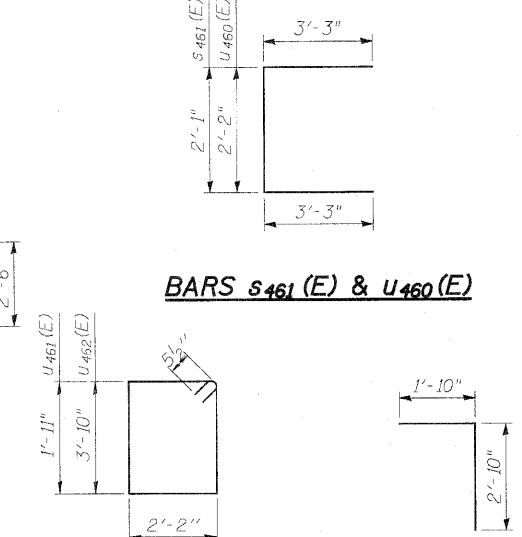
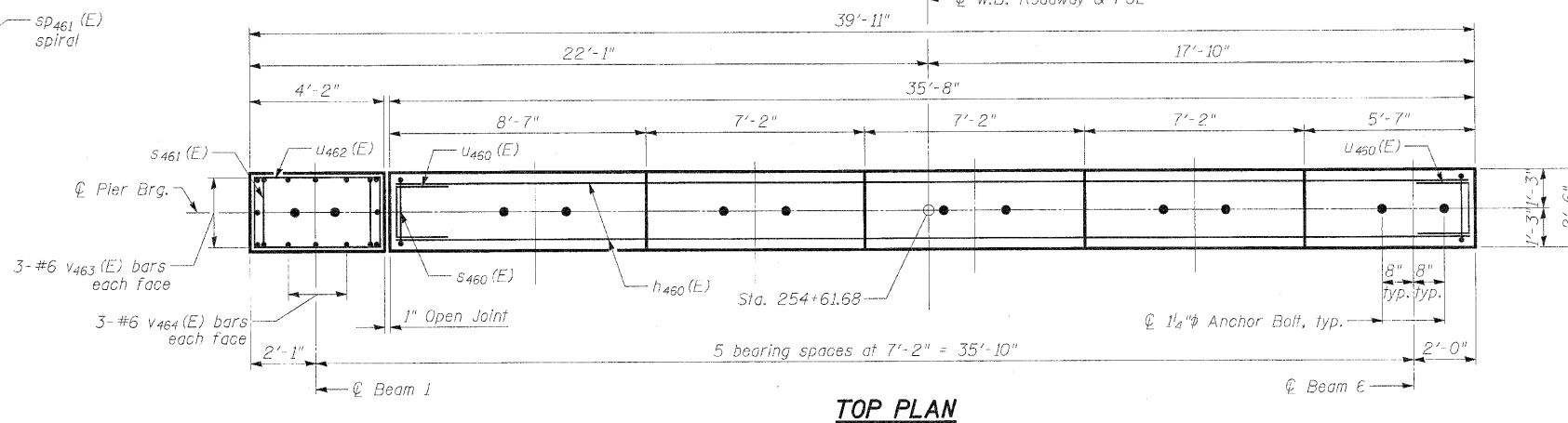
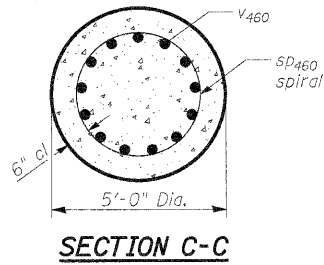
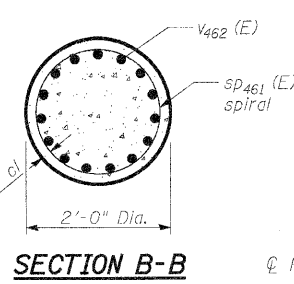
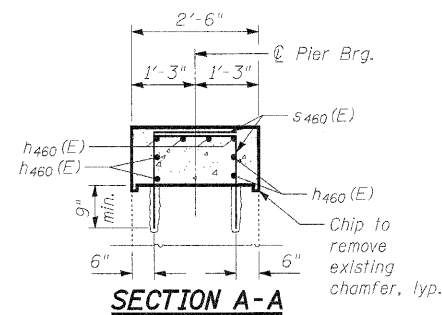
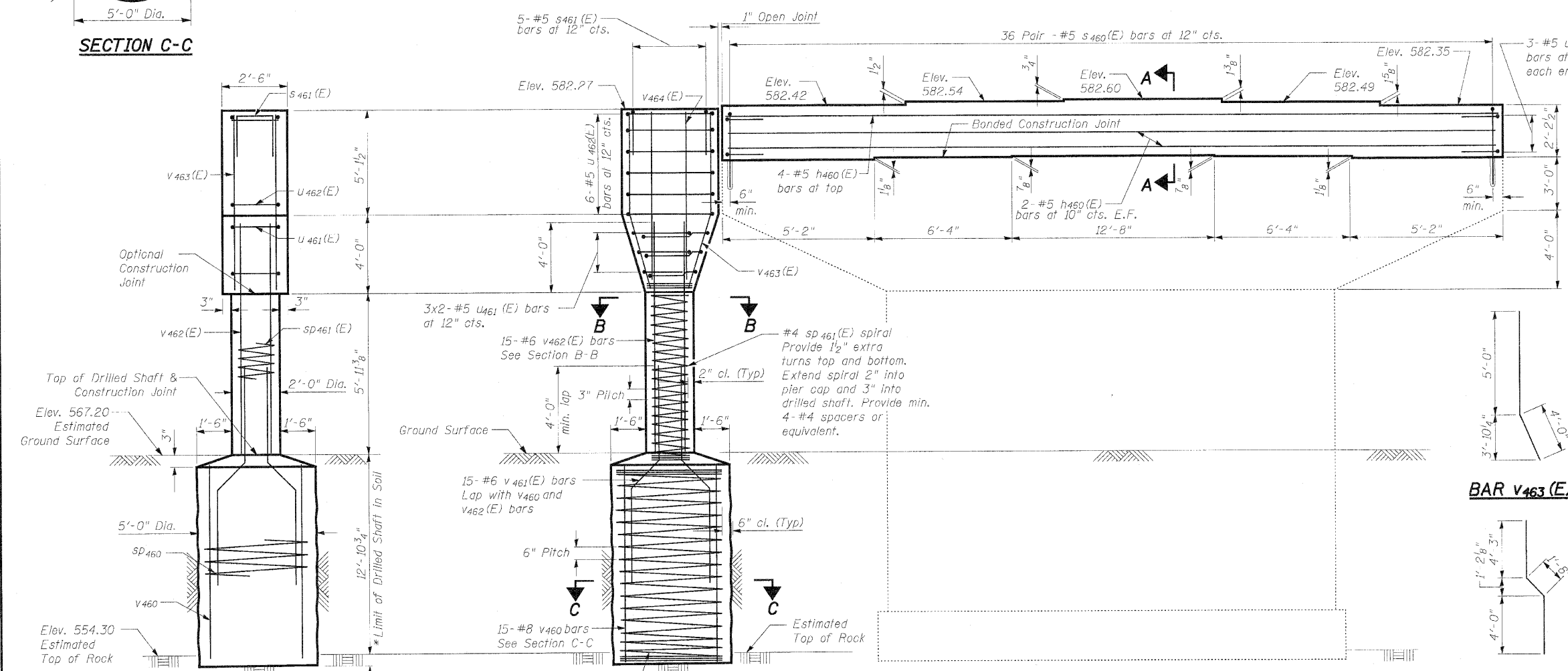


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



BARS U461(E) & U462(E) BAR s460(E)



BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
h460(E)	8	#5	35'-4"	
s460(E)	72	#5	4'-8"	
s461(E)	5	#5	8'-7"	
SP460	1	#4	12'-9"	
SP461(E)	1	#4	6'-5"	
U460(E)	6	#5	8'-8"	
U461(E)	6	#5	9'-1"	
U462(E)	6	#5	12'-11"	
V460	15	#8	12'-9"	
V461(E)	15	#6	9'-11"	
V462(E)	15	#6	9'-10"	
V463(E)	6	#6	9'-0"	
V464(E)	6	#6	8'-10"	
Concrete Structures	Cu. Yd.		11.1	
Reinforcement Bars, Epoxy Coated	Pounds		1590	
Reinforcement Bars	Pounds		770	
Drilled Shaft in Soil	Cu. Yd.		9.3	
Drilled Shaft in Rock	Cu. Yd.		0.4	
Concrete Sealer	Sq. Ft.		396	

Allowable Soil Bearing Pressure is 10,000 psf on sound rock.
Cast Steps monolithically with cap.
Space cap reinforcement to miss anchor bolts.
Minimum lap for spirals = 2'-0"
Epoxy grout s460(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.
** Length is height of spiral.

PIER 1 WIDENING
STRUCTURE NO. 081-0022 (E.B.)
STRUCTURE NO. 081-0023 (W.B.)

DESIGNED	SPK
CHECKED	IAN
DRAWN	ASJ
CHECKED	SPK

* 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.

ELEVATION
(Looking East)

INFRASTRUCTURE
ENGINEERING INCORPORATED
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P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

SHEET NO.38	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
54 SHEETS	280	81-1(HB-2)R	ROCK ISLAND	503	320
CONTRACT NO. 64815					
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					