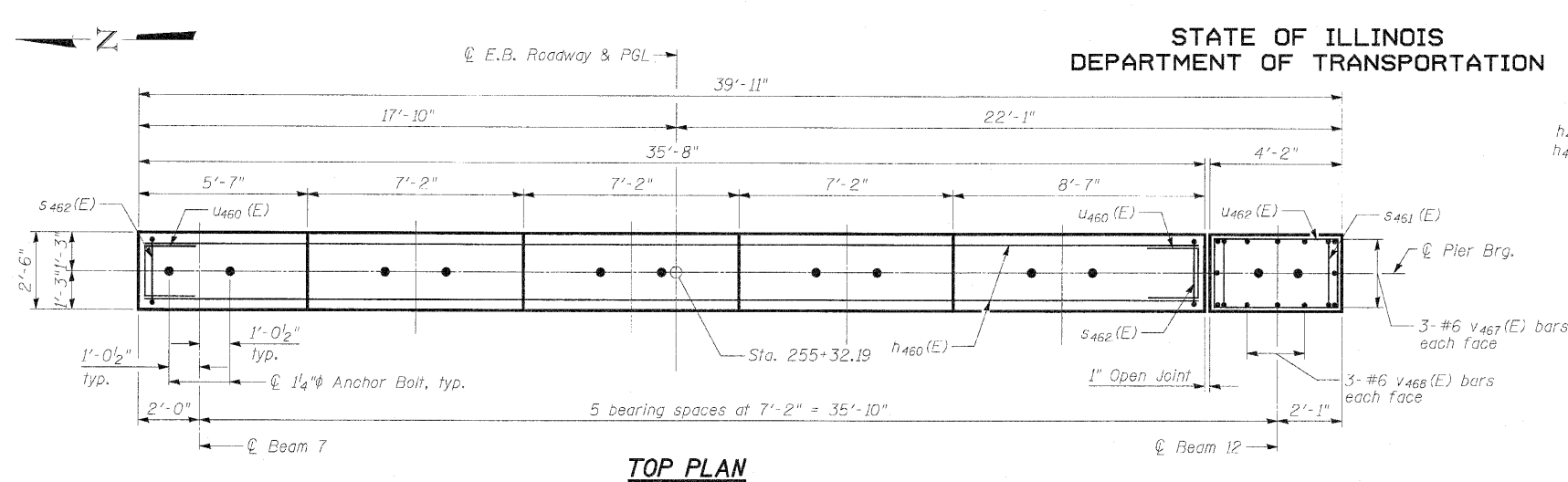
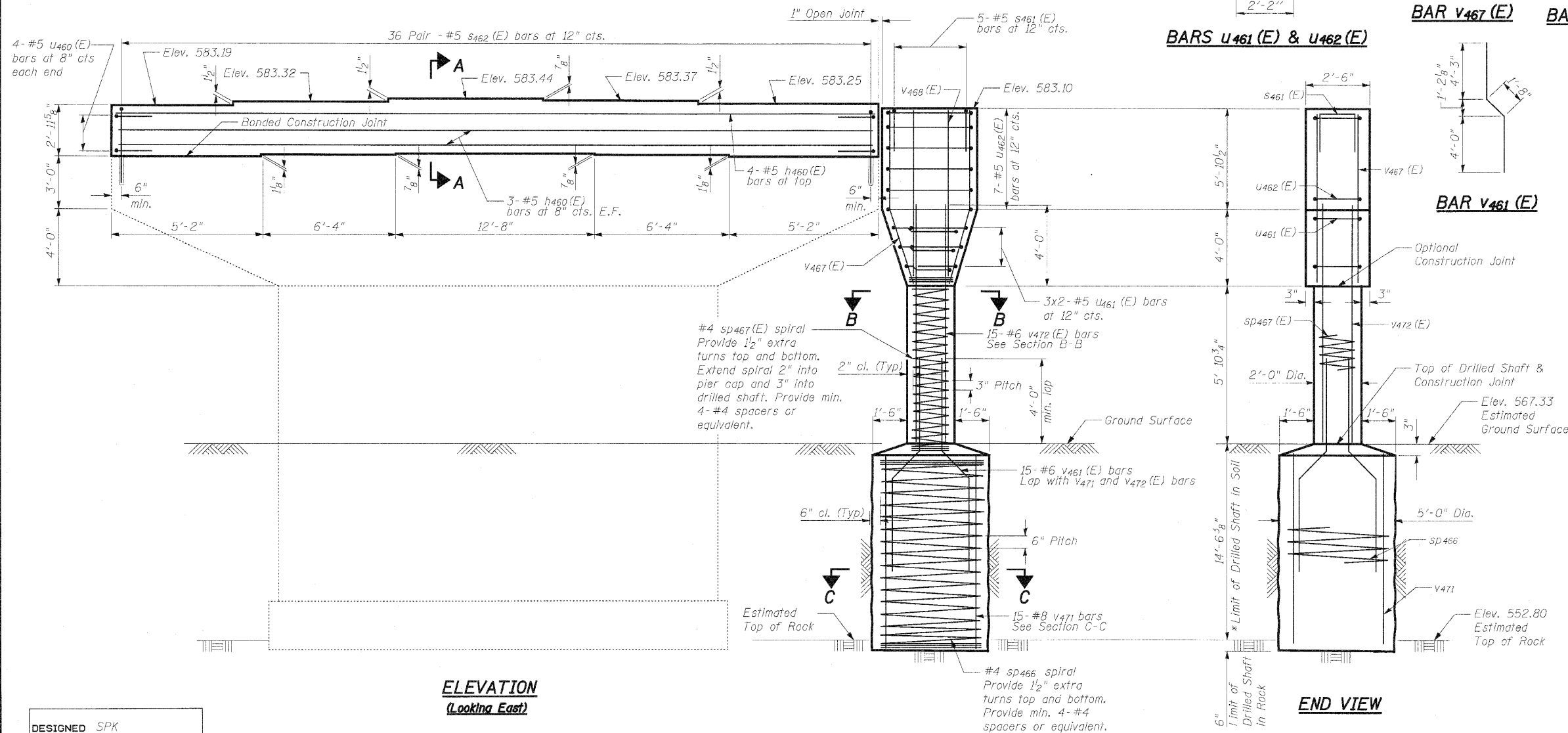


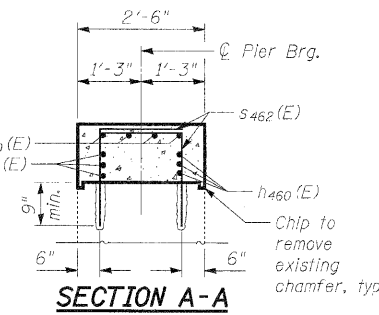
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



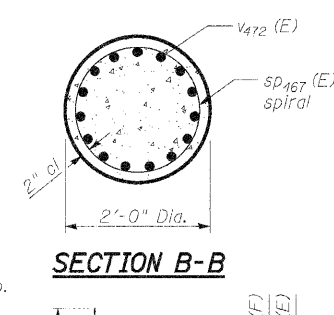
TOP PLAN



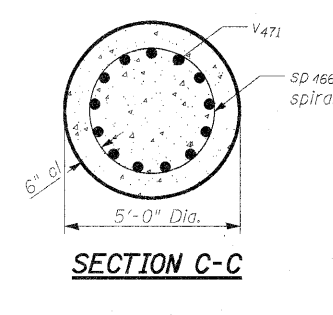
ELEVATION
(Looking East)



SECTION A-A



SECTION B-B



SECTION C-C

BARS U461(E) & U462(E)

BAR V467(E)

BARS S461(E) & U460(E)

BAR S462(E)

BAR V461(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h460(E)	10	#5	35'-4"	
S461(E)	5	#5	8'-7"	
S462(E)	72	#5	5'-5"	
S466	1	#4	14'-5"	
S467(E)	1	#4	6'-4"	
U460(E)	8	#5	8'-8"	
U461(E)	6	#5	9'-1"	
U462(E)	7	#5	12'-11"	
V461(E)	15	#6	9'-11"	
V467(E)	6	#6	9'-9"	
V468(E)	6	#6	9'-7"	
V471	15	#8	14'-5"	
V472(E)	15	#6	9'-9"	
Concrete Structures		Cu. Yd.	13.9	
Reinforcement Bars, Epoxy Coated		Pound	1760	
Reinforcement Bars		Pounds	870	
Drilled Shaft in Soil		Cu. Yd.	10.5	
Drilled Shaft in Rock		Cu. Yd.	0.4	
Concrete Sealer		Sq. Ft.	472	

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 S462(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 4 WIDENING
STRUCTURE NO. 081-0022 (E.B.)
STRUCTURE NO. 081-0023 (W.B.)

DESIGNED	SPK
CHECKED	LAN
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 the final top of shaft elevation.



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SHEET NO. 44	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
54 SHEETS	280	81-1(HB-2)R	ROCK ISLAND	503	326
					CONTRACT NO. 64815
					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT