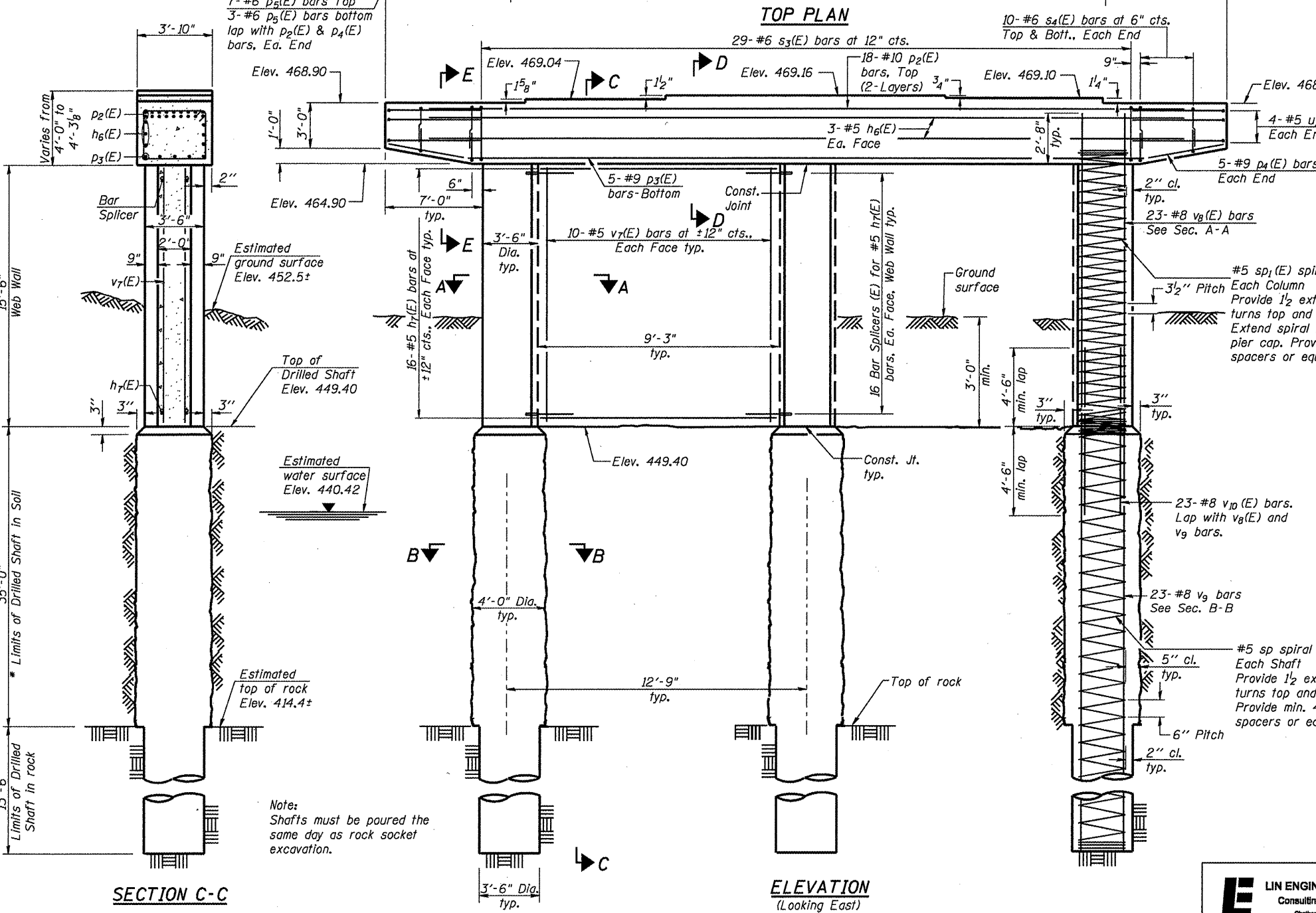
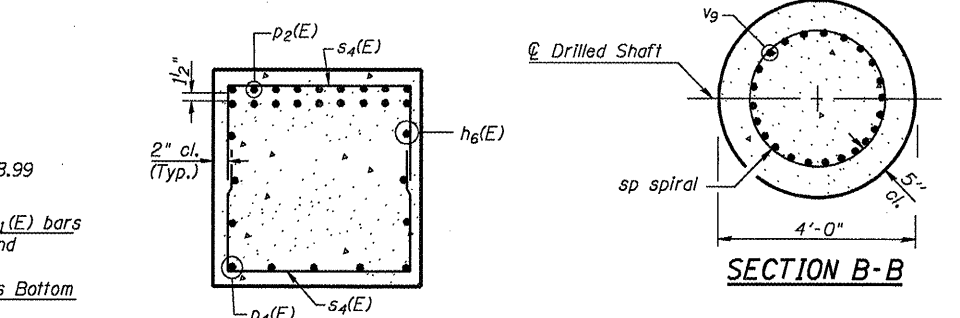
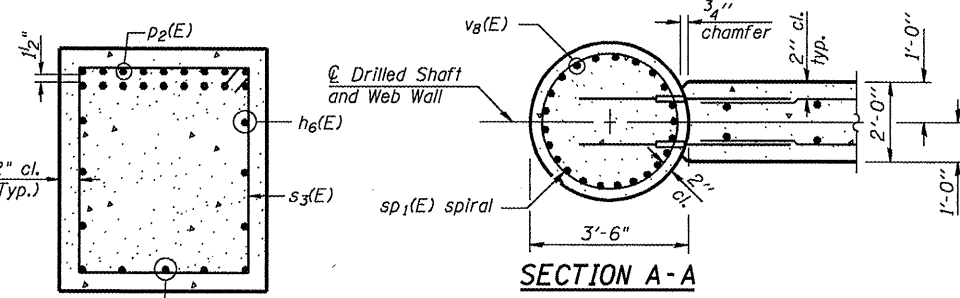
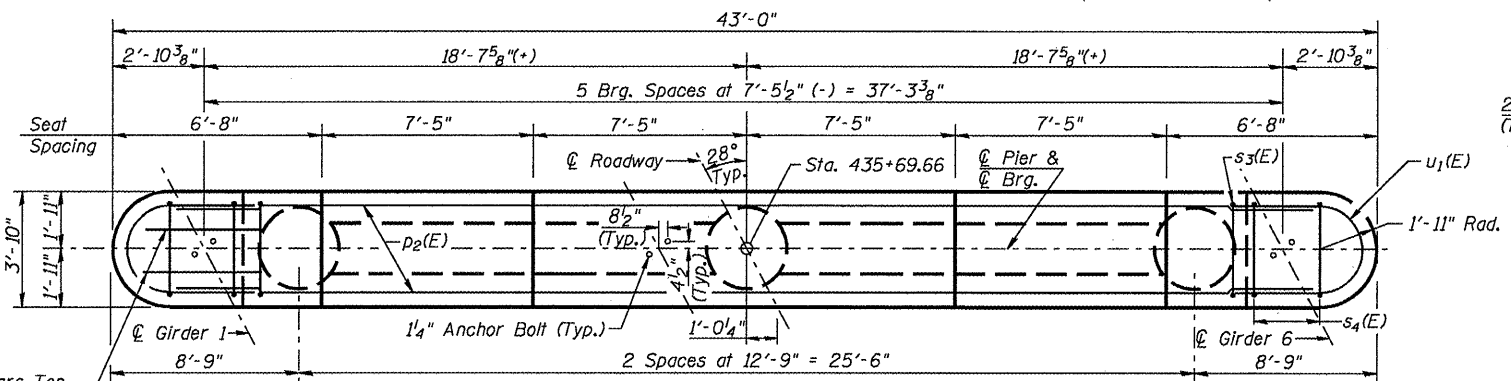
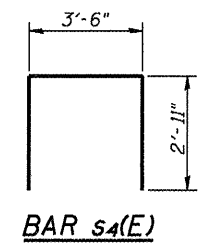
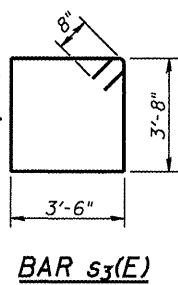
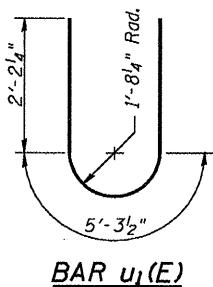


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

* If the prevailing water surface elevation during construction is consistently different than estimated on the plans, the contractor may propose an adjustment to the top of the drilled shaft elevation as part of their installation procedure. The top of all drilled shafts within a substructure unit shall be constructed to the same elevation and extend above the prevailing water surface. The quantities and reinforcement detailing are based on the top of shaft and the estimated elevations shown and may change based on the actual elevations encountered at each shaft and the final top of shaft elevation.



MIN. BAR LAP
#5 bar = 2'-2"
#6 bar = 2'-7"



BILL OF MATERIAL

Bar No.	Size	Length	Shape
h6(E)	6 #5	39'-2"	—
hr(E)	64 #5	8'-11"	—
p2(E)	18 #10	39'-2"	—
p3(E)	5 #9	30'-0"	—
p4(E)	10 #9	6'-5"	—
p5(E)	20 #6	5'-6"	—
s3(E)	29 #6	15'-8"	□
s4(E)	40 #6	9'-4"	□
sp	3 #5	48'-3"	⋈
sp1(E)	3 #5	15'-8"	⋈
u1(E)	8 #5	9'-8"	U
v7(E)	40 #5	15'-2"	—
v8(E)	69 #8	18'-0"	—
v9	69 #8	48'-3"	—
v10(E)	69 #8	9'-0"	—
Structure Excavation	Cu. Yd.	24	
Concrete Structures	Cu. Yd.	63.8	
Reinforcement Bars	Pound	11850	
Reinforcement Bars, Epoxy Coated	Pound	13350	
Drilled Shaft in Soil	Cu. Yd.	48.9	
Drilled Shaft in Rock	Cu. Yd.	14.4	

Cast steps monolithically with cap. Space cap reinforcement to miss anchor bolts. Minimum lap for spirals = 2'-2". ** Length is height of spiral. See sheet 24 of 29 for Bar Splicer Details.

**PIER 1 DETAILS
STRUCTURE NO. 005-0500**

<p>LIN ENGINEERING, LTD. Consulting Engineers Cheltenham, Illinois</p>	SHEET NO. 22	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	29 SHEETS	317	(10B-1)R	BROWN/SCHUYLER	196	141
				CONTRACT NO. 72432		
ILLINOIS FED. AID PROJECT						