

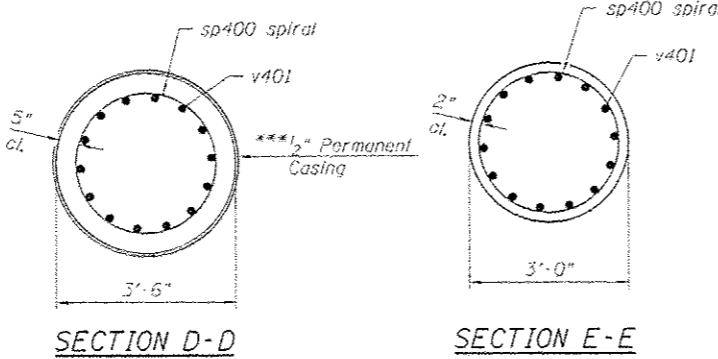
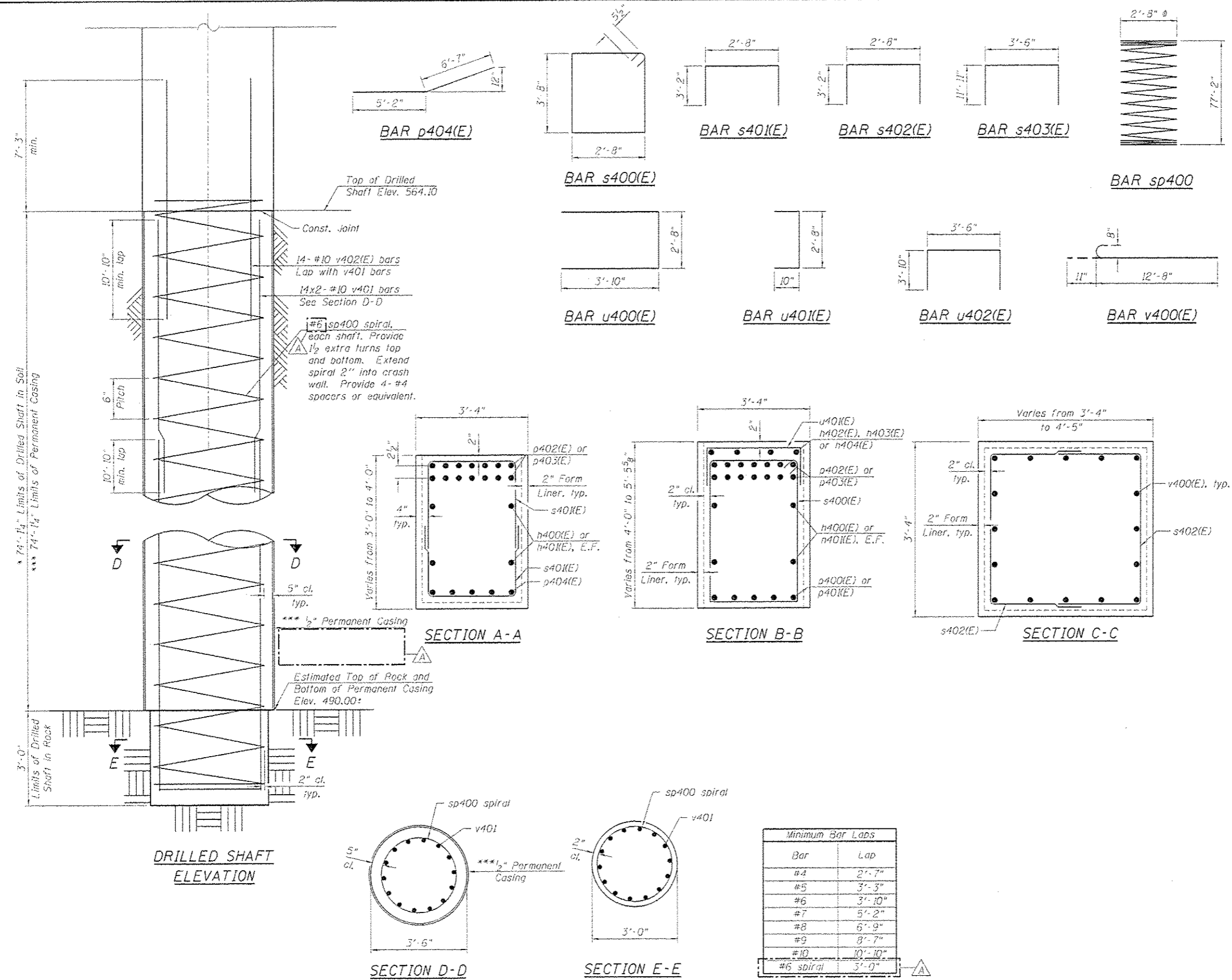
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h400(E)	4	#5	38'-7"	—
h401(E)	4	#5	35'-11"	—
h402(E)	8	#5	19'-8"	—
h403(E)	4	#5	7'-1"	—
h404(E)	4	#5	11'-0"	—
h405(E)	13	#6	33'-10"	—
h406(E)	13	#6	37'-5"	—
h407(E)	38	#5	33'-10"	—
h408(E)	38	#5	37'-5"	—
p400(E)	5	#7	32'-2"	—
p401(E)	5	#7	29'-6"	—
p402(E)	14	#9	38'-10"	—
p403(E)	14	#9	36'-2"	—
p404(E)	10	#7	11'-9"	—
s400(E)	127	#5	13'-7"	□
s401(E)	56	#5	9'-0"	□
s402(E)	96	#4	9'-0"	□
s403(E)	290	#5	27'-4"	□
sp400	12	#6	77'-2"	⊘
u400(E)	10	#6	10'-4"	□
u401(E)	61	#5	4'-4"	□
u402(E)	42	#6	11'-2"	□
v400(E)	96	#8	13'-7"	⊘
v401	336	#10	43'-10"	—
v402(E)	168	#10	18'-3"	—

Structure	Excavation	Cu. Yd.	199
Concrete Structures	Cu. Yd.	268.7	
Reinforcement Bars	Pound	86,730	
Reinforcement Bars, Epoxy Coated	Pound	38,190	
Permanent Casing	Foot	890	
Drilled Shaft in Soil	Cu. Yd.	316.9	
Drilled Shaft in Rock	Cu. Yd.	9.4	
Concrete Sealer	Sq. Ft.	5095	

Bars indicated thus 1x15 etc., indicates 1 line of bars with 15 lengths per line.

Notes:
 Apply concrete sealer to all exposed concrete surfaces of the pier.
 * 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 encountered at each shaft and the final top of shaft elevation.
 ** Length is height of spiral.
 *** Contractor may need to increase the casing thickness to withstand the installation process. The Estimated Top of Rock/Bottom of Permanent Casing Elevation is shown. The limits of casing shall be adjusted as necessary, and as approved, such that the actual installed casing length extends to the as-encountered top of rock at each shaft. See Article 316.06(d) of the Standard Specifications.



Bar	Lap
#4	2'-7"
#5	3'-3"
#6	3'-10"
#7	5'-2"
#8	6'-9"
#9	8'-7"
#10	10'-10"
#6 spiral	3'-0"



USER NAME: jrmickow	DESIGNED: JRM	REVISION: 10/15/2013 JRM
PROJECT SCALE: 0=2.0000' = 1" / 16'	CHECKED: MOS	REVISION:
PLUT DATE: 10/24/2013	DRAWN: RLS	REVISION:
	CHECKED: JRM	REVISION:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 3 DETAILS
STRUCTURE NO. 016-1716
SHEET NO. S2-R5 OF S2-R1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3720	2013-008R	COOK	559	425
CONTRACT NO. 60W26			ILLINOIS FED. AID PROJECT	