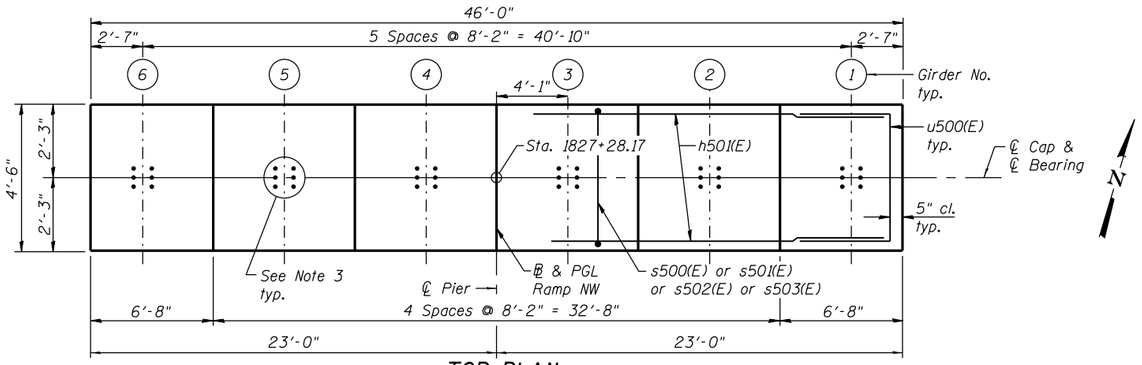
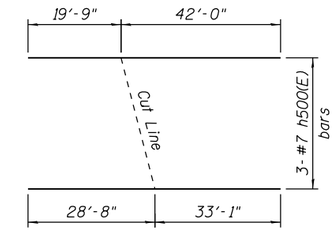
NOTES:

1. Pour steps monolithically with cap.
2. ℄ of Pier is radial to ℄ Ramp NW at Sta. 1827+28.17.
3. For Anchor Bolts Details see sheets S-110 & S-111.
4. For Architectural Details see sheets S-143 thru S-145.
5. See sheet S-127 for Sections and Details.
6. It is anticipated that existing Ramp NE approach wall foundation conflicts with installation of drilled shafts. The Contractor shall provide necessary equipment, labor and materials as required to construct proposed the proposed drilled shafts. This work shall be completed in accordance with the Special Provision Foundation Construction at Existing Obstructions.

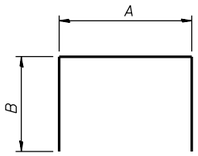


TOP PLAN



FIELD CUTTING DIAGRAM

Order h500(E) bars Full Length. Cut as shown and use remainder of bars.



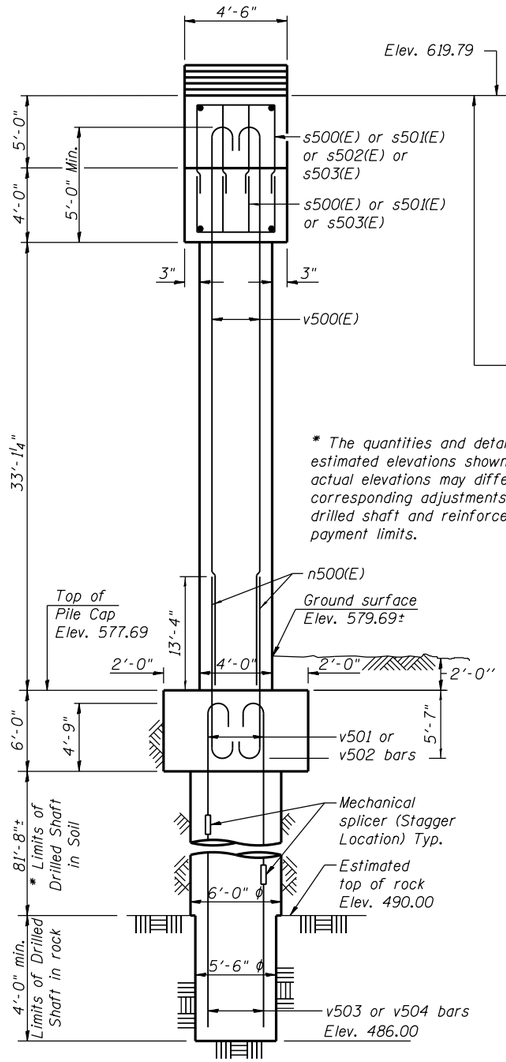
BARS
A & B DIMENSIONS

Bar	A	B
s500(E)	2'-6"	4'-2"
s501(E)	2'-6"	6'-6"
s502(E)	3'-8"	6'-6"
s503(E)	2'-6"	4'-9"
t501(E)	26'-4"	4'-6"
t502(E)	26'-4"	2'-0"
u500(E)	3'-6"	4'-0"
u501(E)	7'-6"	4'-0"
u502(E)	3'-8"	1'-0"

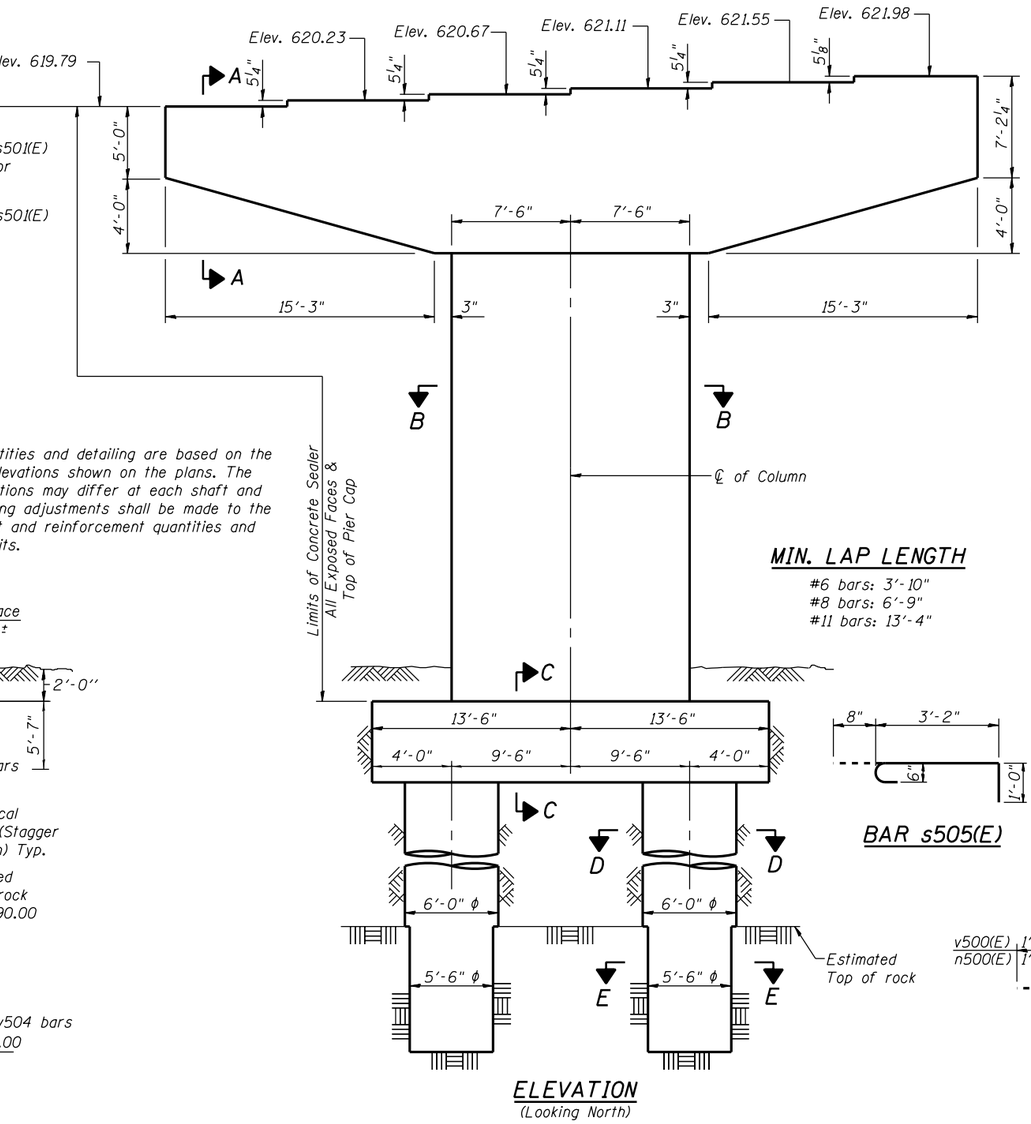
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h500(E)	6	#7	61'-9"	
h501(E)	18	#7	45'-2"	
h502(E)	14	#7	26'-6"	
h503(E)	24	#5	7'-10"	
h504(E)	12	#5	6'-1"	
n500(E)	56	#11	20'-7"	
p500(E)	9	#11	49'-1"	
p501(E)	9	#11	48'-6"	
p502(E)	9	#11	43'-8"	
p503(E)	12	#8	26'-6"	
s500(E)	20	#6	10'-10"	
s501(E)	192	#6	15'-6"	
s502(E)	28	#6	16'-8"	
s503(E)	36	#6	12'-0"	
s504(E)	33	#6	36'-8"	
s505(E)	198	#6	4'-10"	
** sp500	2	#6	85'-11"	
t500(E)	37	#7	20'-4"	
t501(E)	20	#11	35'-4"	
t502(E)	13	#11	30'-4"	
t503(E)	37	#7	9'-6"	
u500(E)	18	#6	11'-6"	
u501(E)	14	#7	15'-6"	
u502(E)	47	#6	5'-8"	
v500(E)	56	#11	39'-8"	
v501	20	#14	32'-8"	
v502	20	#14	60'-0"	
v503	20	#14	32'-8"	
v504	20	#14	60'-0"	
Concrete Structures		Cu. Yd.	188.8	
Reinforcement Bars, Epoxy Coated		Pound	47,640	
Reinforcement Bars		Pound	36,880	
Drilled Shaft in Soil		Cu. Yd.	171.0	
Drilled Shaft in Rock		Cu. Yd.	7.0	
Concrete Sealer		Sq. Ft.	2,478	
Braced Excavation		Cu. Yd.	102.1	
Crosshole Sonic Logging		Each	1	
Foundation Construction at Existing Obstructions		Each	2	

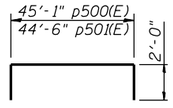
** Length is height of spiral.



END VIEW



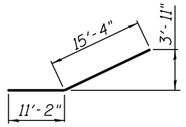
ELEVATION
(Looking North)



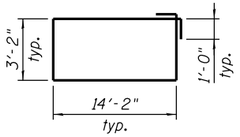
BARS p500(E) & p501(E)

MIN. LAP LENGTH

#6 bars: 3'-10"
#8 bars: 6'-9"
#11 bars: 13'-4"

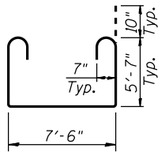


BAR p503(E)

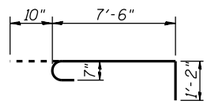


BAR s504(E)

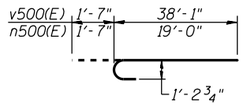
BAR s505(E)



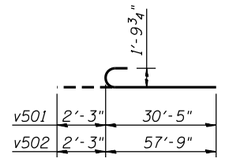
BAR t500(E)



BAR t503(E)



BAR v500(E) & BAR n500(E)



BARS v501 & v502

USER NAME = floresg	DESIGNED - RD	REVISED	
	CHECKED - ATB	REVISED	
PLOT SCALE = N.T.S.	DRAWN - BM	REVISED	
PLOT DATE = 5/7/2014	CHECKED - RD	REVISED	

AECOM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 5 – PLAN AND ELEVATION
STRUCTURE NO. 016-1705
SHEET NO. S-126 OF S-165 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	442
		CONTRACT NO. 60W28		
		ILLINOIS FED. AID PROJECT		

0161705-60W28-S126-Pier.dgn