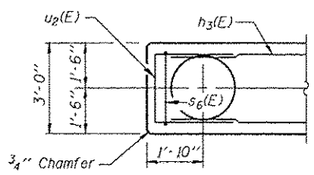
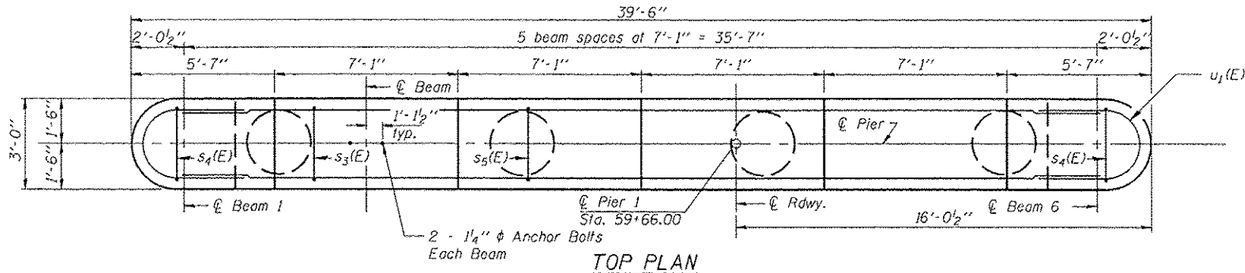
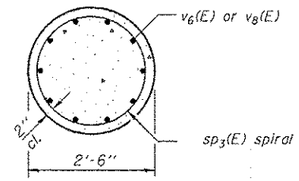


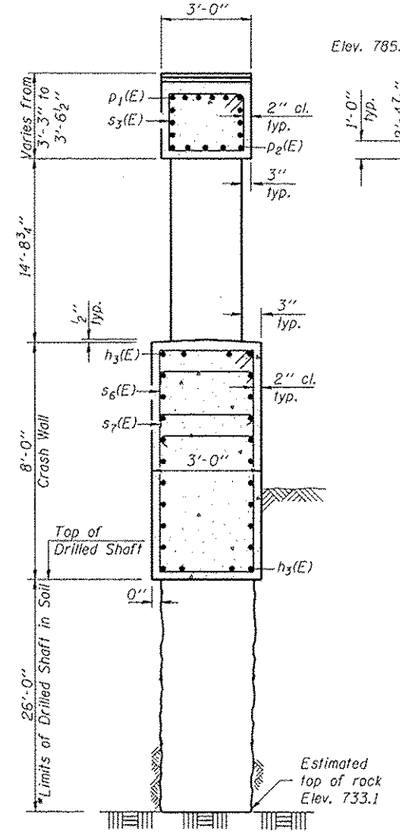
SECTION D-D



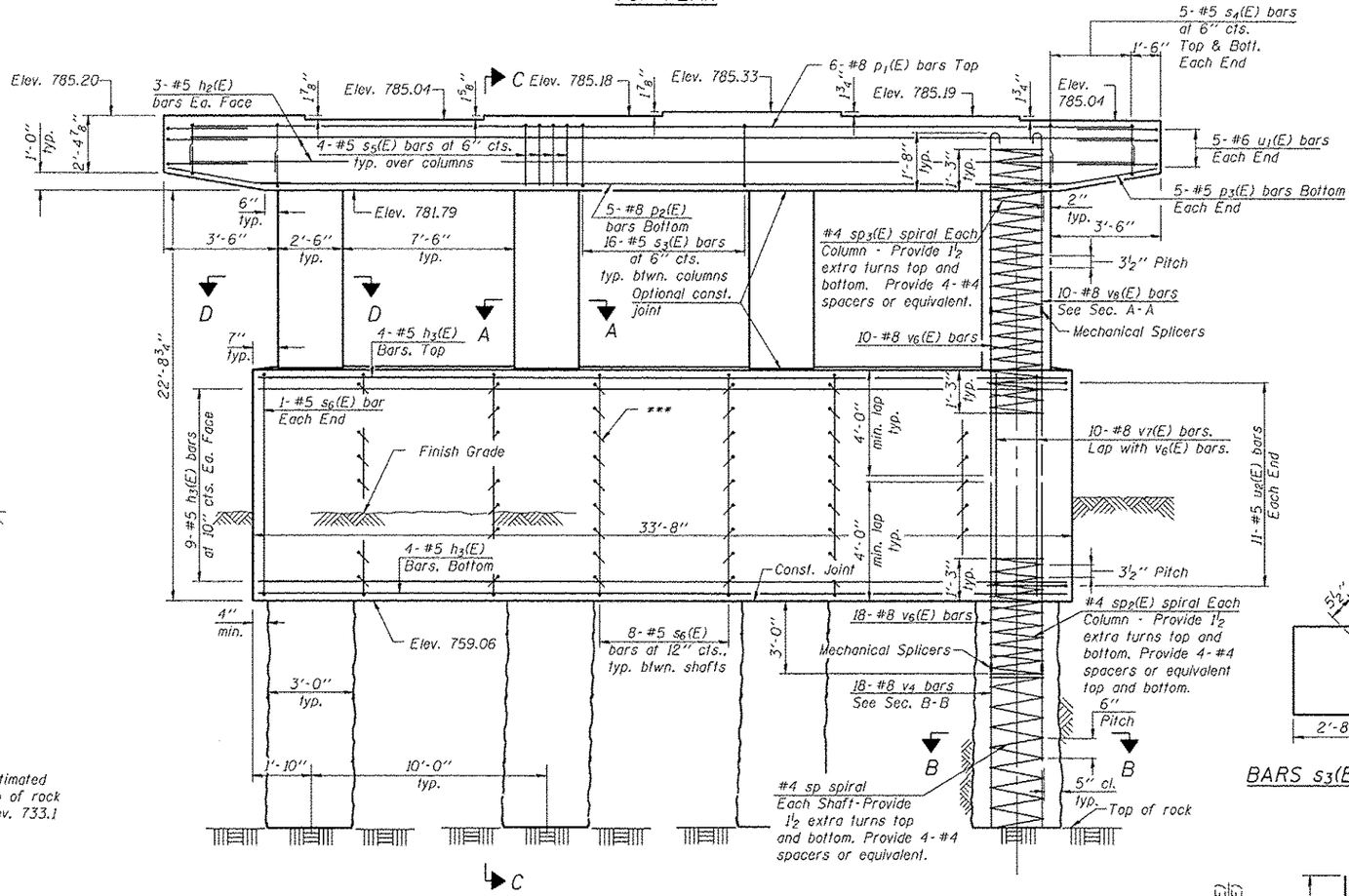
TOP PLAN



SECTION A-A



SECTION C-C

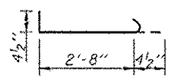


ELEVATION
(Looking North)

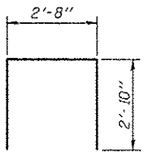
*** 54-#4 $s_7(E)$ bars at $s_6(E)$ bars & $h_3(E)$ bars as shown in elevation

* 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.

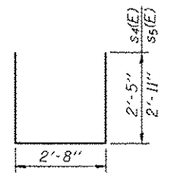
Drilled shafts shall be drilled using the temporary casing method per Article 516.06(c) of the Standard Specifications. Casing shall be designed for railroad live load surcharge (Cooper E80).



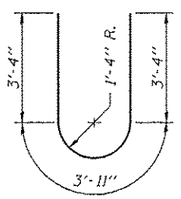
BAR $s_7(E)$



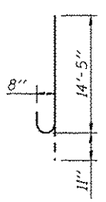
BAR $u_2(E)$



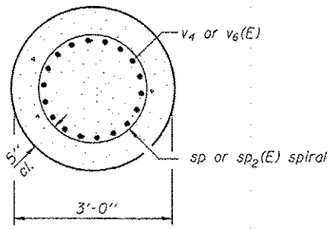
BARS $s_4(E)$ & $s_5(E)$



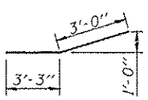
BAR $u_1(E)$



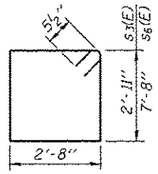
BAR $v_8(E)$



SECTION B-B



BAR $p_3(E)$



BARS $s_3(E)$ & $s_6(E)$

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$h_2(E)$	6	#5	36'-6"	——
$h_3(E)$	26	#5	33'-4"	——
$p_1(E)$	6	#8	36'-6"	——
$p_2(E)$	5	#8	33'-6"	——
$p_3(E)$	10	#5	6'-3"	——
$s_3(E)$	48	#5	12'-1"	
$s_4(E)$	20	#5	7'-6"	
$s_5(E)$	16	#5	8'-6"	
$s_6(E)$	26	#5	21'-7"	
$s_7(E)$	54	#4	3'-5"	
** sp	4	#4	23'-0"	
** $sp_2(E)$	4	#4	4'-3"	
** $sp_3(E)$	4	#4	17'-3"	
$u_1(E)$	10	#6	10'-7"	
$u_2(E)$	22	#5	8'-4"	
v_4	72	#8	24'-0"	——
$v_6(E)$	112	#8	6'-0"	——
$v_7(E)$	40	#8	7'-8"	——
$v_8(E)$	40	#8	15'-4"	——
Structure Excavation		Cu. Yd.	44	
Concrete Structures		Cu. Yd.	55.0	
Reinforcement Bars		Pound	5510	
Reinforcement Bars, Epoxy Coated		Pound	9890	
Drilled Shaft in Soil		Cu. Yd.	27.2	
Mechanical Splicers		Each	112	

Cast steps monolithically with cap.
Space cap reinforcement to miss anchor bolts. See sheet 22 of 26 for details of Mechanical Splicers.
Minimum lap for epoxy coated spirals = 3'-0"
Minimum lap for uncoated spirals = 2'-0"
** Length is height of spiral.

FILE NAME = 0486063-89625-019-Pier.dgn	USER NAME = bswanson	DESIGNED - LVM	REVISED -
MAURER-STUTZ ENGINEERS SURVEYORS		CHECKED - BAS	REVISED -
	PLOT SCALE =	DRAWN - SGM	REVISED -
	PLOT DATE = 1/3/2013	CHECKED - BAS	REVISED -

CITY OF GALESBURG

PIER 1
STRUCTURE NO. 048-6063
SHEET NO. 19 OF 26 SHEETS

M.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
651	07-00651-03-BR	KNOX	67	47
		CONTRACT NO. 89625		
ILLINOIS				