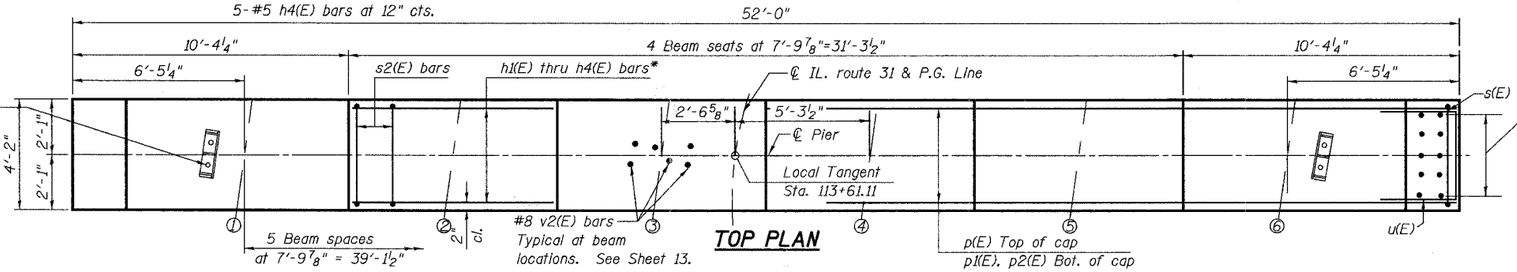
Notes:
1. Space reinforcement in cap to miss anchor bolts
2. Bars indicated thus 11 x 2 - #8 etc. indicates 11 lines of bars with 2 lengths per line.
3. Pour steps monolithically with cap.
4. See sheeet 18 for architectural details.
5. See sheet 20 for Sections A-A & B-B.
6. See Sheet 18 for Architectural Form Liner Surface and Staining Concrete Surface Details.

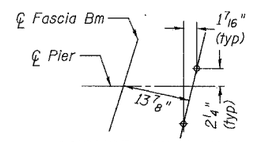
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 3887	06-00214-06-BR	KANE	55	34
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

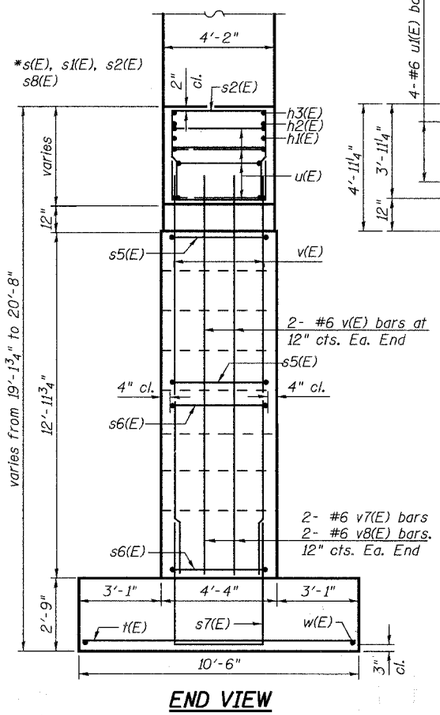
SHEET NO. 19
25 SHEETS
CONTRACT NO. 83923



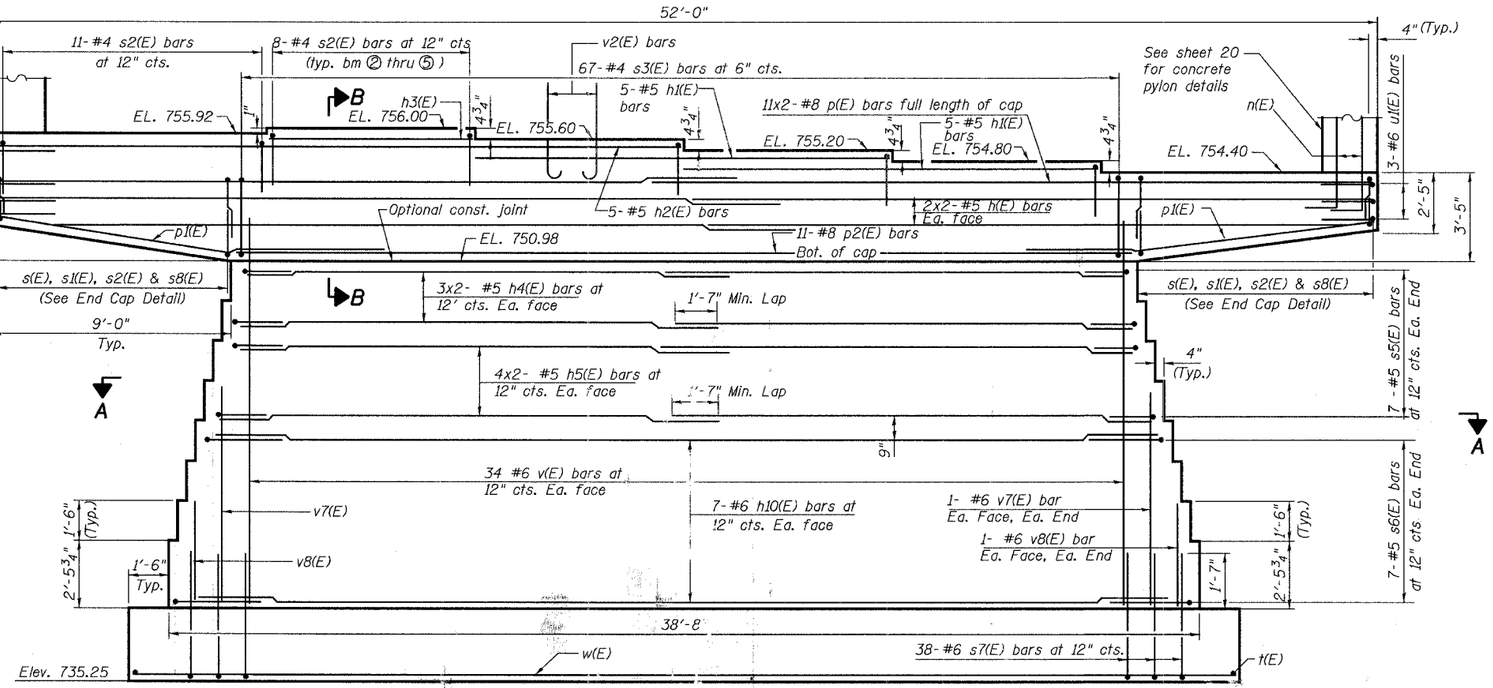
TOP PLAN



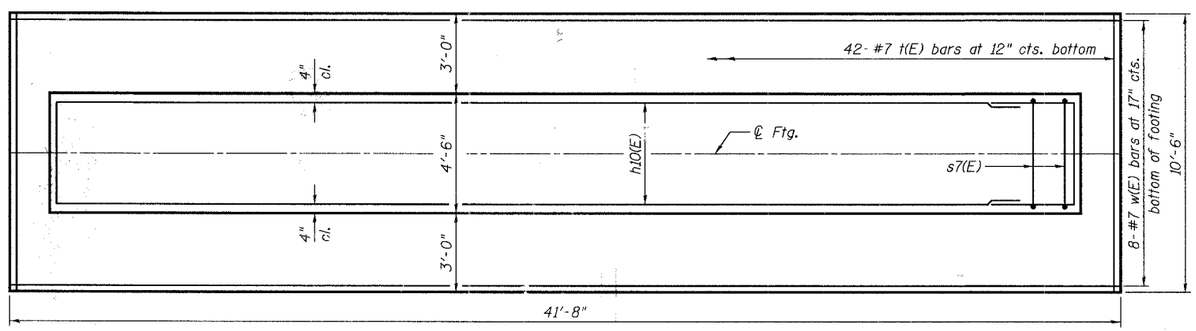
ANCHOR BOLT DETAIL



END VIEW



ELEVATION
(Looking South)



FOOTING PLAN

Maximum footing bearing pressure (Q_{max}) = 5.4 ksf

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h (E)	8	#5	27'-3"	
h1(E)	10	#5	15'-4"	
h2(E)	5	#5	25'-3"	
h3(E)	5	#5	7'-6"	
h4(E)	12	#5	18'-2"	
h5(E)	16	#5	19'-6"	
h10(E)	14	#6	36'-0"	
p(E)	22			
		#8	29'-0"	
p1(E)	22	#8	12'-6"	
p2(E)	11	#8	34'-0"	
s(E)	8	#4	7'-6"	
s1(E)	16	#4	7'-10"	
s2(E)	20	#4	8'-6"	
s3(E)	67	#4	14'-4"	
s5(E)	14	#5	9'-6"	
s6(E)	14	#6	9'-10"	
s7(E)	38	#6	14'-2"	
s8(E)	40	#5	8'-6"	
s16(E)	36	#4	6'-1"	
n(E)	20	#6	4'-8"	
t (E)	42	#7	10'-3"	
u1(E)	7	#6	7'-2"	
v (E)	72	#6	15'-0"	
v2(E)	32	#8	4'-6"	
v7(E)	8	#6	8'-6"	
v8(E)	8	#6	4'-0"	
v25(E)	20	#5	8'-9"	
w (E)	8	#7	41'-5"	
Structure Excavation		Cu. Yd.	105	
Concrete Structures		Cu. Yd.	161.3	
Reinforcement Bars, Epoxy Coated		Pound	12,210	

DESIGNED	JRT
CHECKED	NPP
DRAWN	DYS
CHECKED	NPP

REVISIONS NAME	DATE

URS
100 South Wacker Drive,
Suite 500
Chicago, IL 60606
(312) 939-1000

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 31 OVER NEW STEARNS ROAD
KANE COUNTY

PIER DETAILS

F.A.U. 3887
STATION 113+61.11
SECTION 06-00214-06-BR
STRUCTURE NO. 045-2031
SCALE:
DATE: 00/00/2007

$FILE$ $DATE$ $TIME$