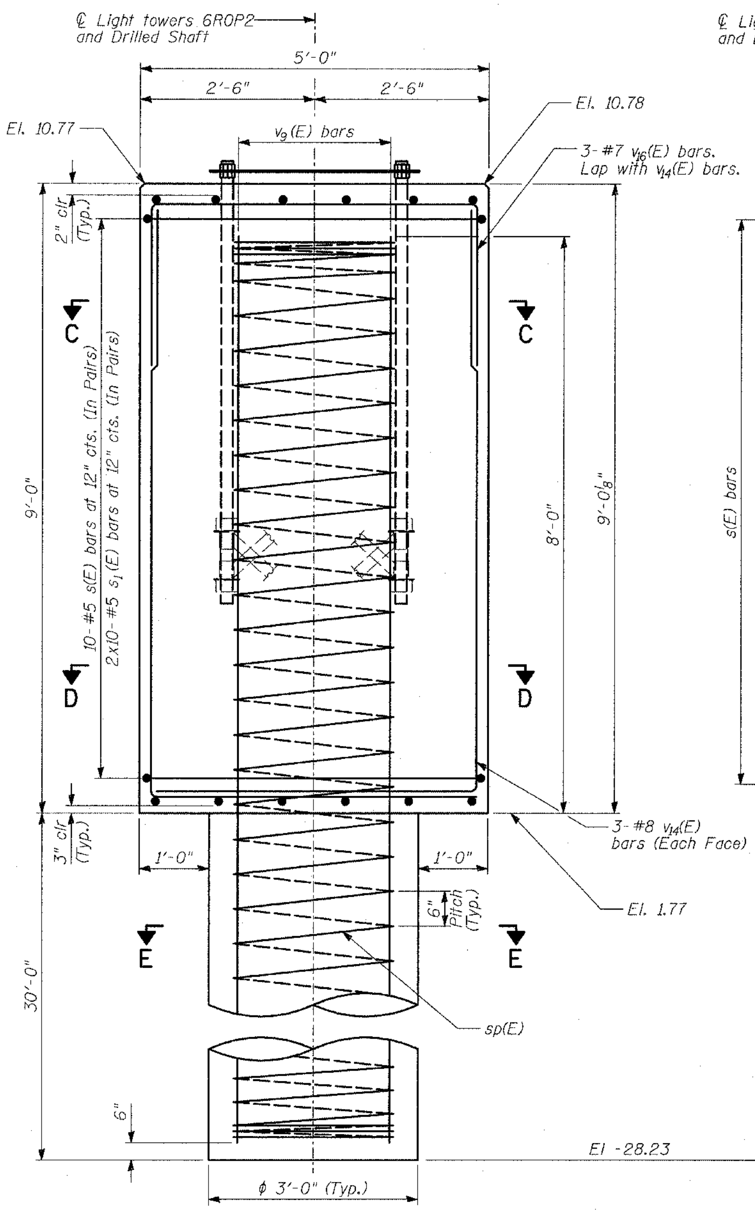
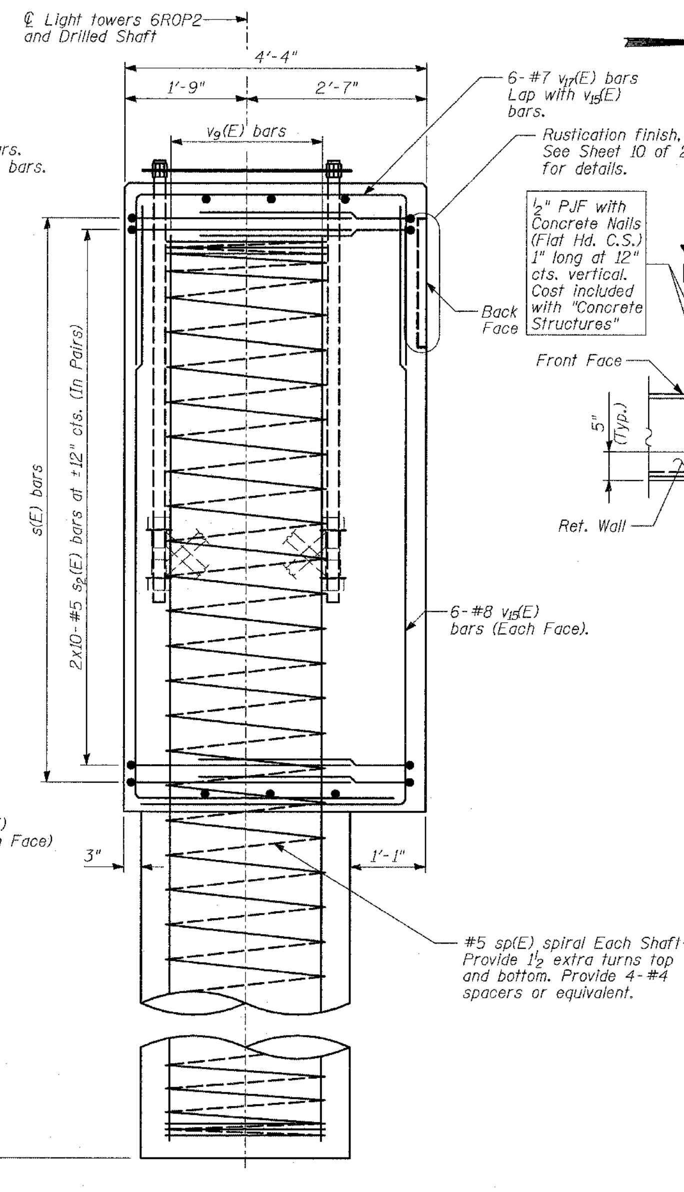
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	860	647
STA. 2200+00.00	TO STA. 2362+00.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (1516.1, 1717 & 1818) R-8

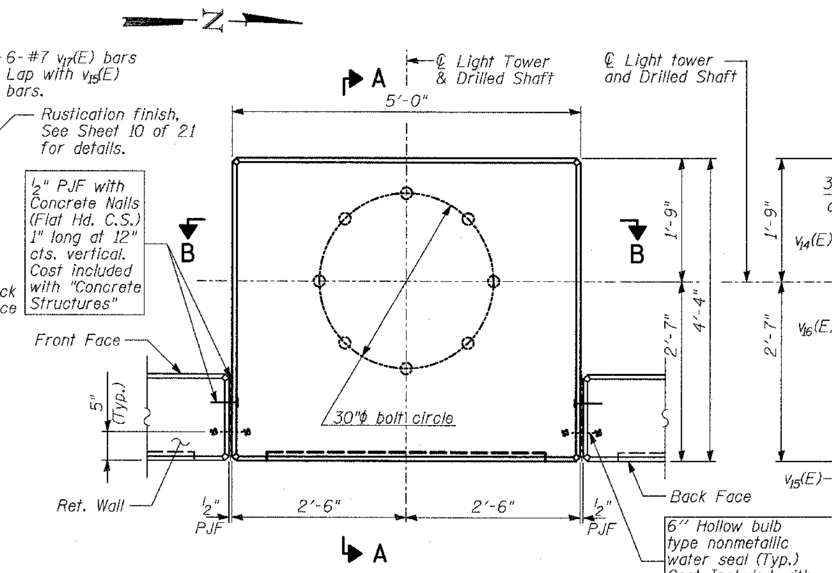
62694



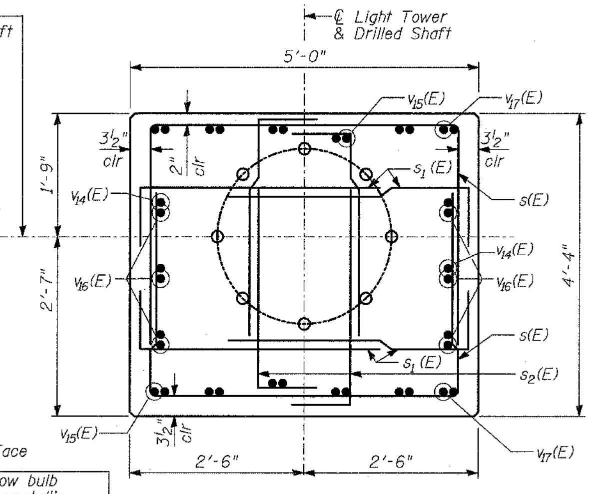
SECTION B-B



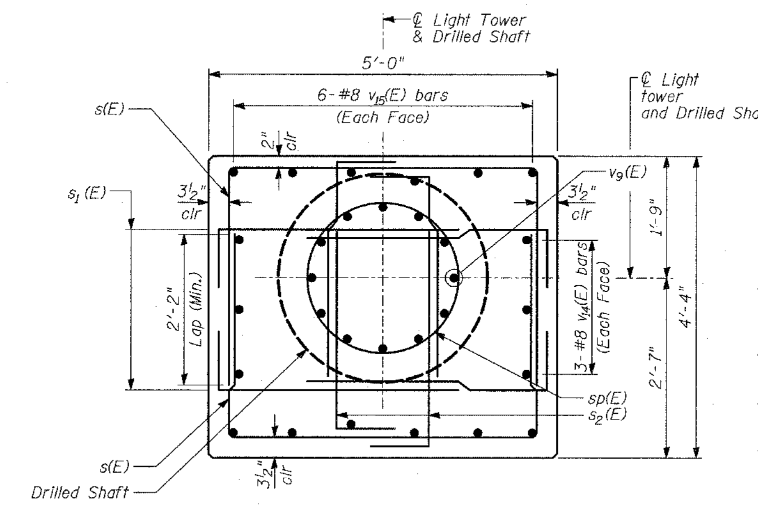
SECTION A-A



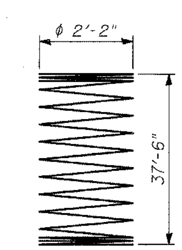
PLAN-LIGHT TOWER 6ROP2



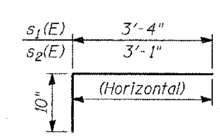
SECTION C-C



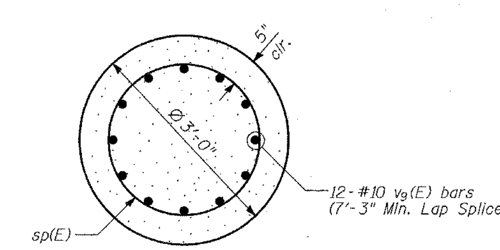
SECTION D-D



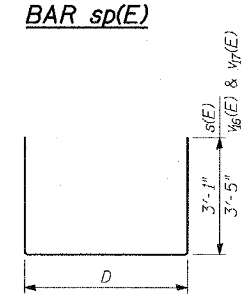
BAR sp(E)



BARS s_1(E) & s_2(E)



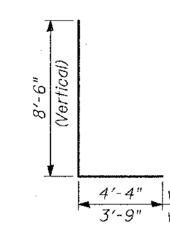
SECTION E-E



BARS s(E), v_{16}(E) & v_{17}(E)

MARK TABLE

Bar	D
s(E)	4'-5"
v_{16}(E)	4'-4"
v_{17}(E)	3'-10"



BARS v_{14}(E) & v_{15}(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
s(E)	20	#5	10'-7"	
s_1(E)	40	#5	4'-2"	
s_2(E)	40	#5	3'-11"	
sp(E)	1	#5	37'-6"	
v_9(E)	12	#10	37'-6"	
v_{14}(E)	6	#8	12'-10"	
v_{15}(E)	12	#8	12'-3"	
v_{16}(E)	3	#7	11'-2"	
v_{17}(E)	6	#7	10'-8"	
Reinforcement Bars, Epoxy Coated			POUND	3,850
Structure Excavation			CU YD	10
Concrete Structures			CU YD	8
Protective Coat			SQ YD	10
Rustication Finish			SQ FT	8
Drilled Shaft in Soil 36"			FOOT	30

Reinforcement bars designated (E) shall be epoxy coated.

NOTES:

1. The design loads are based on AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminares and Traffic Signals-2001.
2. Drilled shafts shall be installed according to IDOT special provisions for "Drilled Shafts".
3. Protective Coat shall be applied to exposed surfaces of the new concrete wall and tower base.
4. At all locations where reinforcement bar laps are not in direct contact, the Contractor shall provide sufficient spacing between the vertical bars, equal to the size of the largest concrete aggregate plus ½ inch.
5. For location of drilled shaft, see Sheet 2 of 21.
6. Conduit is not shown for clarity. For location of conduit, see Sheet 8 of 21.
7. Cost of anchor rod assembly, conduit and wires for grounding are included with "Concrete Structures".
8. Minimum lap for spirals = 2'-6"

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (DAN RYAN EXPRESSWAY)
RETAINING WALL ALONG STATE ST.
EXIT RAMP AT AIS #2
AIS #2
LIGHT TOWER 6ROP2 FOUNDATION DETAILS

S.N. 016-W960	DESIGNED BY: TD, MAF
SCALE: N.T.S.	DRAWN BY: MAF, DJR
DATE: MARCH 18, 2005	CHECKED BY: MI

TYLIN INTERNATIONAL

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