

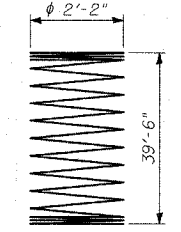
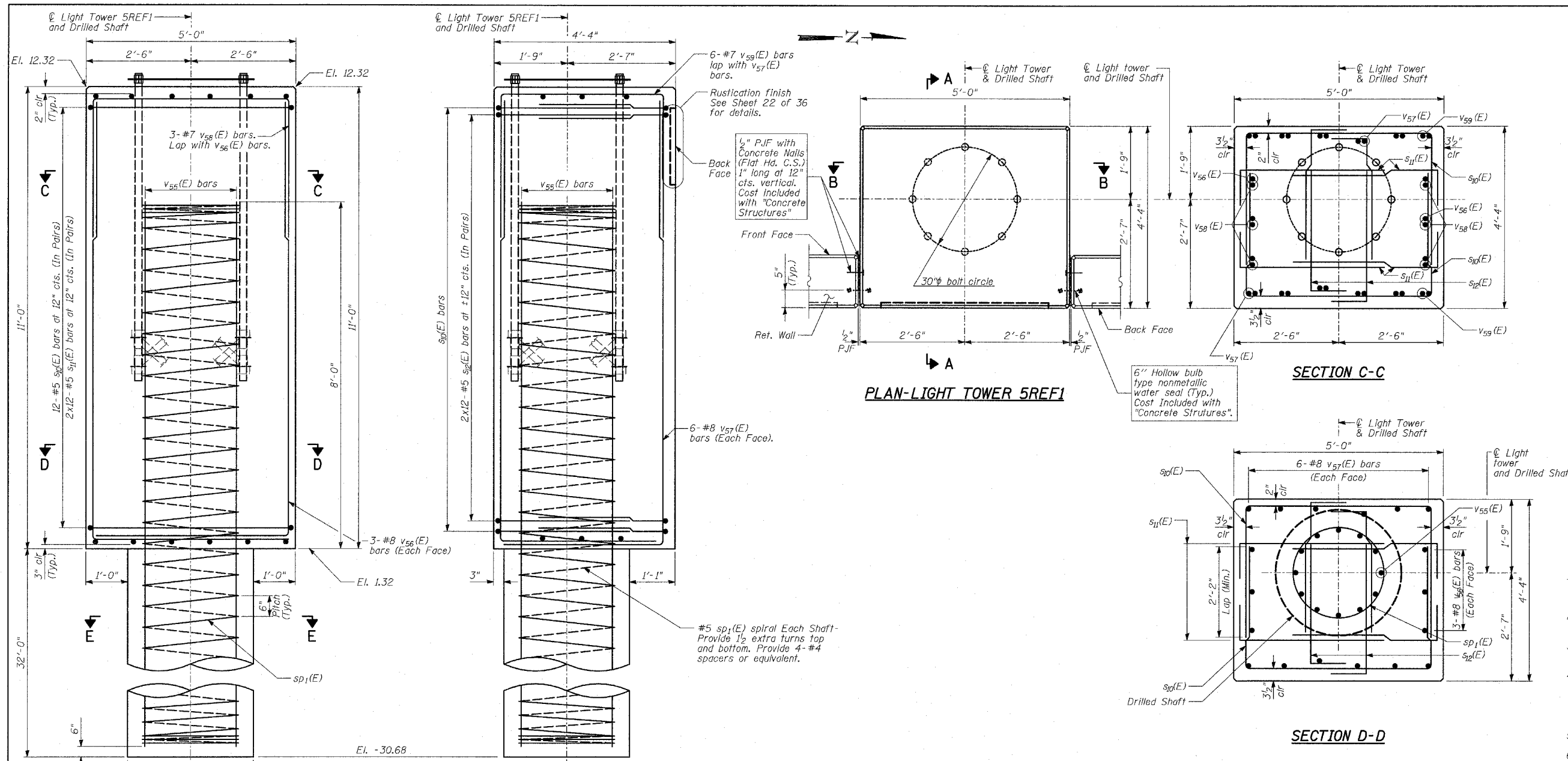
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$s_{10}(E)$	24	#5	10'-7"	┌
$s_{11}(E)$	48	#5	4'-2"	┌
$s_{12}(E)$	48	#5	3'-11"	┌
$sp_1(E)$	1	#5	39'-6"	
$v_{55}(E)$	12	#10	39'-6"	—
$v_{56}(E)$	6	#8	14'-10"	┌
$v_{57}(E)$	12	#8	14'-3"	┌
$v_{58}(E)$	3	#7	11'-2"	┌
$v_{59}(E)$	6	#7	10'-8"	┌
Reinforcement Bars, Epoxy Coated		POUND	4,190	
Structure Excavation		CU YD	13	
Concrete Structures		CU YD	9	
Protective Coat		SQ YD	13	
Rustication Finish		SQ FT	8	
Drilled Shaft in Soil 36"		FOOT	32	

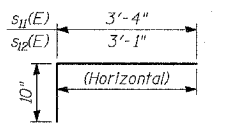
Reinforcement bars designated (E) shall be epoxy coated.

NOTES:

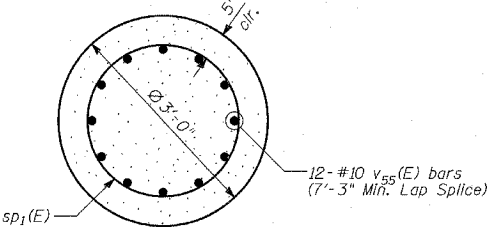
- The design loads are based on AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals-2001.
- Drilled shafts shall be installed according to IDOT special provision for "Drilled Shafts".
- Protective Coat shall be applied to exposed surfaces of the new concrete wall and tower base.
- 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 1/2 inch.
- For location of drilled shaft, see Sheet 6 of 36.
- Conduit is not shown for clarity. For location of conduit, see Sheet 19 of 36.
- Cost of anchor rod assembly, conduit and wires for grounding are included with "Concrete Structures".
- Minimum lap for spirals = 2'-6"



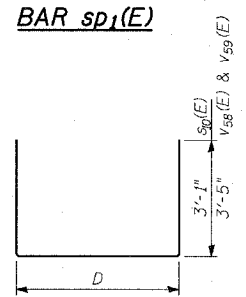
BAR $sp_1(E)$



BARS $s_{11}(E)$ & $s_{12}(E)$



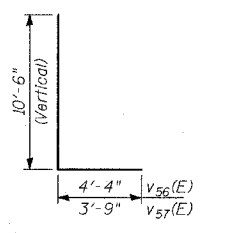
SECTION E-E



BARS $s_{10}(E)$, $v_{58}(E)$ & $v_{59}(E)$

MARK TABLE

Bar	D
$s_{10}(E)$	4'-5"
$v_{58}(E)$	4'-4"
$v_{59}(E)$	3'-10"



BARS $v_{56}(E)$ & $v_{57}(E)$

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 RETAINING WALL ALONG STATE ST.
 77TH ST. TO 78TH ST.
 WALL TO
 LIGHT TOWER 5REF1 FOUNDATION DETAILS
 S.N. 016-W961 DESIGNED BY: TD, MAF
 SCALE: N.T.S. DRAWN BY: MAF, DJR
 DATE: MARCH 18, 2005 CHECKED BY: TD, MI