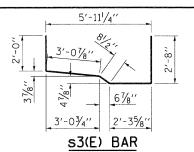


5'-51/4' 2'-35/8' 2'-63/4'' s1(E) BAR



## BAR LIST 42" BARRIER HEIGHT

BAR	NUMBER	SIZE	LENGTH	SHAPE			
h1(E)	14	#4	2'-8''				
s1(E)	4	#4	10'-3''				
s2(E)	4	#4	9'-6''				
v1(E)	8	#6					
3(E) BAR SPIRAL SEE SECTION A-A							





BAR LIST 48" BARRIER HEIGHT

BAR	NUMBER	SIZE	LENGTH	SHAPE		
h1(E)	14	#4	2'-8''			
s3(E)	4	#4	10'-9''			
s4(E)	4	#4	10'-0''			
v1(E)	8	#6				
3(E) BAR SPIRAL SEE SECTION A-A						

## NOTES

- 1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- 2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- 3. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- 4. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL, A LINER OF FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION, FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20mm).
- 5. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- 6. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- 7. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- 8. ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- 9. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150mm) WITH A MINIMUM OF 3 INCHES (75mm) OF THREADED ANCHOR ROD EMBEDDED IN THE
- 10. ANCHOR RODS SHALL PROJECT  $2\frac{3}{4}$ " (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION
- 11. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH APPROVAL OF THE ENGINEER.
- 12. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- 13. THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- 14. THE COST OF REINFORCEMENT BARS, ANCHOR RODS, PREFORMED JOINT FILLER, AND STRUCTURE EXCAVATION SHALL BE INCLUDED IN THE COST OF DRILLED SHAFT CONCRETE FOUNDATIONS.

**ROADWAY DETAILS** SECTION SHEETS NO. STATE OF ILLINOIS DRILLED SHAFT FOUNDATIONS FOR 345 8R-R KANE LIGHT POLES ALONG SINGLE FACE CONCRETE BARRIERS FAP ROUTE 345 / US ROUTE 20 FED. ROAD DIST, NO. ILLINOIS FED. AID PROJECT

DESIGNED MDB REVISED JSER NAME = \$USER\$ DRAWN МН REVISED FILEL\$ CHECKED VCF REVISED LOT SCALE = \$SCALE\$ TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNER
CHICAGO, SILVADIS PLOT DATE = SDATES DATE 12/16/11 REVISED

**DEPARTMENT OF TRANSPORTATION** 

794 100 CONTRACT NO. 60H45