NOTES:
1. Foundations are designed for structures with round tapered shafts designed in accordance with the 2013 AASHTO "Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals", as noted in SCD HL-10.31, Note 8.
2. Tower handholes shall be on downslope of tower.
3. Foundation depth based on soil analysis. Foundation diameter based on Table 1. See chart in plans for required depth. If solid rock is encountered before reaching required depth, the remaining foundation depth may be decreased by 50 percent.
4. Light tower manufacturer responsible for anchorage design, which shall incorporate a minimum of eight anchor bolts per AASHTO L150-11 to S17. Manufacturer shall design anchor bolts using AASHTO Appendix A and shall design any additional foundation reinforcing necessary.

Material strengths are:
To $4,000 psi
To $40,000 psi
Anchor bolts shall be located inside the drilled shaft reinforcing cage. Anchor bolts shall be ASTM 1554.
Anchor bolt sizes and spacing to fit mounting plate supplied with tower. However, bolt circle shall be equal to or less than the maximum bolt circle permitted in Table No. 1. The bolts shall be headed or have a heavy hex nut on the embedded end. Threads shall be UNC-2A, and may be either rolled or cut, and coarse threaded. The embedded end of the anchor bolt shall be headed or threaded with a heavy hex nut.
Anchor bolt material may be smooth steel rod that is threaded over its entire length. Hex nuts shall be ASTM A563, American Standard heavy hex, Grade 5B, with UNC-2B threads. Plate washers shall be A709 Grade 36 or Grade 50. Anchor bolts shall be hot-dip galvanized over their entire length, as per C&MS 1002, after fabrication and threading. All nuts and plate washers shall be hot-dip galvanized per C&MS 1002.

5. The length $L$ of the $1/2"$ diameter spiral bar is the length, as per C&MS 1002, after fabrication and threading. All nuts and plate washers shall be hot-dip galvanized per C&MS 1002.

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7. All reinforcing shall be epoxy coated, comply with and be placed in accordance with C&MS 509.

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7. All reinforcing shall be epoxy coated, comply with and be placed in accordance with C&MS 509.