



- Notes:
1. Foundation soil properties are based on unit weights and friction angles provided by VTrans – refer to design calculations for details.
 2. Min. concrete compressive strength: 3500 psi @ 28 days
 3. Reinforcing: ASTM A615 Grade 60
 4. Cast foundation against undisturbed earth or within a permanent steel casing.
 5. Install conduit per Owner specification.
 6. Extend foundation 4" above ground when in earth. Construct foundation flush when in concrete island or sidewalk.
 7. The design of the foundation follows VTrans MREI 10-01.
 8. Construct foundation in accordance with the current edition of the VTrans Standard Specifications for Construction.
 9. Refer to the plans prepared by VTrans (Project No. NHG SGNL(42)) for the location of underground utilities.
 10. Design Factors of Safety:
 - 10.1. Overturning: 3.0
 - 10.2. Bearing Capacity:
 - 10.3. Torsion: 1.1

We would prefer to see a definitive construction method specified here rather than an "or" condition. This is designed for the more conservative case and thus acceptable.

Concrete Foundation Data					
Foundation ID	Diameter	Depth	Long. Bars	Tie Spacing	Concrete Vol. (CY)
MAP 1 - 30ft & 20ft Arms	3'-6"	10'-6"	16-#6	1'-0"	4.8
MAP 2 - 40ft & 20ft Arms with 6' Luminaire	3'-6"	10'-6"	16-#6	1'-0"	4.8

Top of Footing elevation information should be provided here.

SECTION A-A

Traffic Pole Foundation Design
Intersection of US Route 7 and Little
Chicago/Middlebrook Roads

PROJECT: 16067
 DATE: 2016-08-08
 DRAWN: DSW

EX-1

CCE CROSS
CONSULTING ENGINEERS, P.C.

Tel. 802-524-2113
 Fax. 802-524-8681

103 Fairfax Rd.
 St. Albans, Vermont 05478

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