

# **LESSON 1**

## **TOPIC 2**

### **General Overview of Geotechnical Input to Highway Projects**













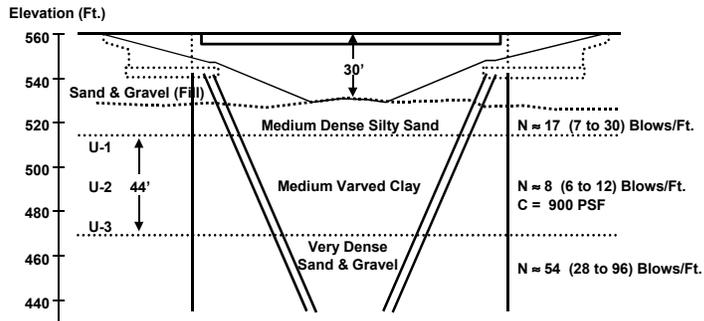








### Typical Final Soil Profile



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### Soil Testing

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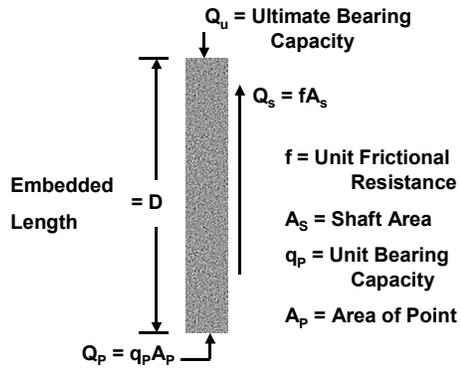








### **Ultimate Bearing Capacity - Static Formula Method ( $Q_u = Q_p + Q_s$ )**



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### **Construction Aspects**

- **Monitoring Construction Operations**
- **Quality Assurance**

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