

Appendix A

Soil Sample Analysis Summary

Soil samples are taken every approximate 100 yards (about 100 meters) to obtain representative soil information. If the soil is quite uniform, longer distances between sample points can be used. A stake is used to mark the sampling location. Sampling is done by excavating a hole in the road bed, about about 6 to 8 inches in diameter to a depth of 6 or 8 inches (15 to 20 cm). The removed soil is tested in a local soils laboratory.

1. CLIENT INFORMATION

Client Name: _____
 Contact Person: _____
 Contact Title: _____
 Contact Phone/FAX/E-Mail _____

2. PROJECT DESCRIPTION

Town Name: _____
 Street Name: _____
 Mile Marker: _____

Date Soil Sample Collected: _____
 Date Results Reported by Lab: _____
 Date Results Submitted to NPI: _____
 Date Analysis Received from NPI: _____

Sample of: Road Base Sub-base Shoulder
 Other _____

Surface Treatment: _____
 Road Structure: _____

3. SOIL ANALYSIS

Analysis Results	Sample Results
% retention 2.5 inch sieve (> 62.5 mm)	
% retention 2.0 inch sieve (> 50 mm)	
% retention 1.5 inch sieve (> 37.5 mm)	
% retention 1.0 inch sieve (> 25 mm)	
% retention 0.75 inch sieve (> 19 mm)	
% retention 0.5 inch sieve (> 12.5 mm)	
% retention 0.375 inch sieve (> 9.52 mm)	
% retention #4 sieve (> 4.75 mm)	
% retention #10 sieve (> 2 mm)	
% retention #40 sieve (> 0.425 mm)	
% retention #100 sieve (> 0.150 mm)	
% retention #200 sieve (> 0.075 mm)	
% retained in pan (< 0.075 mm)	
Liquid Limit (LL) (soil passing #40)	
Plastic Limit (PL) (soil passing #40)	
Plasticity Index (%) PI = LL - PL	
Soil pH	
Other Testing:	
Optimum Moisture Content--Std. Proctor	
Calif. Bearing Ratio (CBR) - Unsoaked	

Please indicate where sample was taken and reference point as well as any utilities, manholes, or other items of interest.