COLORADO DEPARTMENT OF TRANSPORTATION

JOB SAFETY ANALYSIS

Activity Name: Sulfate Content in Soil Test	**Activity Number:** CP-L2103

Activity Description & Purpose:
Determine amount of sulfate in test sample.

Date Prepared: September 2, 2008				**PPE Required**
Typical Equipment		**Typical Crew Size:**	**Typical Material**	Safety glasses Hardtoe boots
Description	Class Code	(Crew sizes may vary due to different conditions throughout the state).	Description / Class Code	
See associated test procedure		1	See associated test procedure	

Sequence of Job Tasks	Potential Hazards	Safe Job Procedures	Never
1-Dry field sample.			
2-Sift sample through sieve.	1-Particles in eyes	1-Wear all personal protective equipment	
3-Add sample to distilled water (25g to 225ml)			
4-Heat oven at 140 degrees for 16 Hours			
5-Dilute 100 to 1			
6-Add "sulfate packet" to sample	1-Inhalation/ingestion	1-Observe label warnings and be familiar with Material Safety Data Sheet	
7-Calculte results			