



# JOB SAFETY ANALYSIS

<b>Activity Name:</b>		<b>Activity Number:</b> CP-L 3101 05	
<b>Activity Description &amp; Purpose:</b> Resistance R-Value and Expansion Pressure of Compacted Soils or Aggregates by Means of Hveem Stabilometer			
<b>Date Prepared:</b> June2, 2009		<b>PPE Required</b>	
<b>Typical Equipment</b>		<b>Typical Crew Size:</b>	<b>Typical Material</b>
Description	Class Code	(Crew sizes may vary due to different conditions throughout the state).  1	Description
See associated test procedure			See associated test procedure
			Hardtoe boots
<b>Sequence of Job Tasks</b>	<b>Potential Hazards</b>	<b>Safe Job Procedures</b>	<b>Never</b>
1. Sample specimens are prepared and a moisture sample is obtained and placed in the oven.	1. Burns 2. Contamination	1. Wear appropriate PPE 2. Strange odors indicate potentials for contamination.	Handle hot material and containers without protective gloves. Proceed with testing until some analysis is performed.
2. +#4 and -#4 material is graded and the weights retained on each sieve are noted.	1. Particles in eyes 2. Moving mechanical equipment	1. Wear appropriate PPE 2. Concentrate on the task	Place hand in moving equipment
3. Specimens are batched and allowed to hydrate over night with the initial soak water.			
4. Final soak water is added and the material is compacted using a kneader compactor.	1. Moving mechanical equipment 2. Injury to fingers and hand	1. Concentrate on the task 2. Use spatula to work material in mold	Become distracted while working at the kneader compactor Place hand under the kneader foot
5. Specimen in mold is leveled, weighed, and moved to the press for exudation.	1. Moving mechanical equipment 2. Injury to fingers and hand	1. Concentrate on the task 2. Use caution when bringing the head to bear beginning the test	Place fingers or hand under the the head of the loading device
6. Exudation is completed and the mold is moved to the expansion pressure stand for measurement and surcharge.			

