**COLORADO DEPARTMENT OF TRANSPORTATION**

# JOB SAFETY ANALYSIS

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|---|---|
| **Activity Name:** Theoretical Maximum Specific Gravity Test | **Activity Number:** CP-51 |

**Activity Description & Purpose:**
Perform theoretical maximum specific gravity on HMA sample.

**Date Prepared:** January 24, 2008

| Typical Equipment | | Typical Crew Size: | Typical Material | | PPE Required |
|---|---|---|---|---|---|
| Description | Class Code | (Crew sizes may vary due to different conditions throughout the state). | Description | Class Code | Safety glasses/Hardtoe boots/Heat resistant gloves/Heat resistant apron |
| See associated test procedure | | 1 | See associated test procedure | | |

| Sequence of Job Tasks | Potential Hazards | Safe Job Procedures | Never |
|---|---|---|---|
| 1-Manually separate the test sample. | 1-Burns | 1-Wear all personal protective equipment. | |
| 2-Allow sample to cool to room temperature from oven. | 1-Burns | 1-Wear all personal protective equipment. | handle hot materials without gloves |
| | | | |
| 3-Fill flask with sample and water to weigh. | 1-Laceration if flask breaks | 1-Wear all personal protective equipment. | |
| | | | |
| 4-Sample placed in vacuum agitator. | 1-Laceration if flask breaks<br>2-Foot injury | 1-Wear all personal protective equipment.<br>2-Wear all personal protective equipment. | transport flask when wet |
| 5-Sample refilled with water and re-weighed | | | |

Distribution:
Insert to Field Materials Manual at start of CP-51



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