

MEMORANDUM

DEPARTMENT OF TRANSPORTATION

Materials and Geotechnical Branch
4670 Holly, Unit A
Denver, Colorado 80216-6408



December 12, 2007
CDOT N. Holly Complex
Turnpike Conference Room
1:00 PM to 3:00 PM

Meeting Minutes Aggregate Task Force Part II

The following people attend the meeting:

Name	Company	Email
Andy Rosedahl	CDOT	andy.rosedahl@dot.state.co.us
Mike Krossnik	Brannan	mkrossnik@brannan1.com
Jarrett Welch Co-Chair	Brannan	jwelch@brannan1.com
Elliot Boyd	Westest	EBoyd@Westest.net
DOUG WINGO	LAFARGE SOUTHERN	doug.wingo@lafarge-na.com
RUEDEN ROBERTS	SCHMIDT CONST	rroberts@schmidtconst.com
Ken Meyer	CDOT R6	kenm@dot.state.co.us
Eric Priere	CDOT	Eric.Priere@dot.state.co.us
Paul Smith	CDOT	Paul.Smith@dot.state.co.us
Masoud Ghahali	CDOT R6	masoud.ghahali@dot.state.co.us
Patrick R. Murphy	CDOT R5	patrick.murphy@dot.state.co.us
MIKE GALLEGOS	CDOT R1	michael.gallegos@dot.state.co.us
Stan Peters	Lafarge- Aggregates	stan.peters@lafarge
Rick K. Chapman	CDOT R-4 Mats	Rick.Chapman@dot.lafarge-na.com
Mike Caggins	CDOT R5	michael.caggins@dot.state.co.us
Glenn Frieler	CDOT	glenn.frieler@dot.state.co.us
CRAIG WIEDEN	CDOT R2	craig.wieden@dot.state.co.us

The meeting began with self introductions.

Jarrett Welch (Industry Co-Chair) started the meeting with Industry's concerns with regards to the CP-L 4211 Micro-Deval testing. Those concerns were that the AASHTO T327 specification that CP-L 4211 was based on states specifies a minimum soak time for the aggregates of one hour. CP-L 4211 specifies



a soak time of 15 to 19 hours. Jarrett stated that some of his aggregates pass the test with a one hour soak time but fail if soaked as per CP-L 4211, i.e. 15 to 19 hours.

The task for then discussed the soak times and reasons for the 15 to 19 hours specified in CP-L 4211. Mike Gallegos explained the original work of Aggregate Task Force Part I. He stated that not only the soak time but the limits on loss were base done research done by CDOT. A copy of that report will accompany these minutes.

The task forced agreed to leave the soak time at 15 to 19 hours. There were other minor changes that the task force suggested. These changes were; **3.1 Summary of Method** add the 15 to 19 hour requirement, **Apparatus 6.2 Containers** External diameter is 194 to 202 mm, internal height is 170 to 177 mm. **Test sample for Individual Stockpiles 7.2 – 7.4** Change the sieve size from 6.7mm to 6.3mm. **Testing Procedure 9.4** Change the time / revolutions to match AASHTO T 327. The revised CP-L will accompany these minutes.

The second topic that the Task Force reviewed dealt with Fine Aggregate Specific Gravity. Industry stated that they had trouble matching CDOT results this year. The test AASHTO T84 it self has a lot of variability in it. When you combine new people in the lab performing the test the variability is compounded.

The group discussed using the SS Detect as a possible solution to the variability problem. Industry and CDOT agreed that while with many aggregate sources the SS Detect was consistent and reliable there were some sources that did not test well in the SS Detect.

Mike Gallegos stated that with some aggregates if you did a #200 wash of the sample prior to running AASHTO T84 the repeatability was greatly increased. Mike proposed a specification that would be modeled after the AASHTO T84 specifications but included a #200 wash of the sample if the -#200 was above a certain level.

The group agreed with this direction. The following volunteers will comprise a sub-committee and will develop a procedure for the testing of Fine Aggregate Specific Gravity based on AASHTO T84. This sub-committee is:

Mike Gallegos (CDOT R1)
Andy Roesdahl (CDOT R3)

Stan Peters (Lafarge)
Jarrett Welch (Brannan)

Paul Smith (CDOT Staff Materials)

The subcommittee will also look at ways to simplify the procedure and make it more repeatable.

Next Meeting: February 19, 2007 at 1:00 PM at the CDOT North Holly Complex, Training Room

