

Construction Industry/NDOT Advisory Committee

Materials Subcommittee

Meeting Minutes for April 20, 2010

Attendees:

Mike Robinson, Kleinfelder	Kevin Stoehr, Frehner Construction
Derek Betts, Granite Const.	Jeff Shapiro, NDOT Construction
John Elkins, Granite Const.	Rich Buenting, Rd and Hghwy Builders
Chris Robinette, Granite Const.	Darin Tedford, NDOT Materials
Mark Salazar, NDOT Materials	Reid Kaiser, NDOT Materials
Larry Sharp, Las Vegas Paring Corp.	Rudy Malfabon, NDOT Deputy Director

The subject of this meeting was to discuss potential opportunities and items that are currently available for recycling on NDOT projects. I also supplied a copy of a presentation I gave at the 2009 Nevada Transportation Conference regarding recycling on NDOT projects.

I. Approve Minutes

The minutes of our January 19, 2010 meeting were approved. Minutes on all the subcommittees have been posted at:

www.nevadadot.com/business/Liaison_Committee/MeetingAgendas.asp

- II. Warm Mix Asphalt – Currently there are over 15 Warm Mix additives on the market. The group discussed the positives and negatives of warm mix asphalt as a whole, not each individual additive. Positives are: 1) longer hauling opportunities, 2) minor burner fuel savings, 3) reduced oxidation, 4) potentially extended time to get compaction and 5) reduced hot-plant smoke and fumes behind the paver. Negatives are: 1) little history/research supporting the positives, 2) little history of its use in Nevada, 3) technology reduces burn-off temperature in hot-plant increasing the likelihood of moisture susceptibility problems in the completed mix. Currently NDOT may allow warm mix on our projects depending on the location of the project and the proposed technology.
- III. Reclaimed Asphalt Pavement (RAP) – NDOT's first RAP project will begin paving within the next couple of weeks. Issues still to be worked out; 1) calibration of ignition oven, 2) effects of ignition oven on AC content due to varying degree of AC in RAP used and 3) other test modifications.

- IV. Crumb Rubber – There is a new crumb rubber production facility in Las Vegas. Some entities in LV are incorporating rubber into their mixes using the “Wet Method.” NDOT is getting some political pressure to incorporate its use into some of our paving projects. NDOT has been attempting to use crumb rubber since the 1970’s with only one successful project. This successful project was paved in 2006 and it used the “Wet Method.” Special mixing asphalt storage tanks had to be brought in from Arizona for this project due to no contractor in Nevada having them.
- V. Cold Millings – NDOT now has specifications allowing the use of cold millings in the base section. Millings will be allowed in the lower half the base section but with lift and size requirements.
- VI. Prime Coat – Topein is now allowed as a prime coat in lieu of MC-70. Topein does not have same smell as MC-70 and due to the limited number of suppliers of MC-70; Topein can be easier to get supplied.
- VII. Hot Drops/Trial Batches – Most of the contractors who attended would like to get rid of hot drops and see them as costly with not a lot of benefit. NDOT Construction sides with the contractors; NDOT Materials sees them as a benefit due to the problems NDOT had with contractors paving prior to implementing hot drops back in the 1990’s. Hot Drops will continue to be a source of discussion at upcoming meetings.
- VIII. Nothing has changed since the last meeting regarding pit permitting.
- IX. Jeff Shapiro went over upcoming projects.

The next meeting is scheduled for Tuesday, July 20 in the NDOT Headquarters 3rd floor conference room and video-conferenced to the Las Vegas main conference room. In order to generate new topics, I request that you all submit a topic (e-mail to Reid) to discuss at the meeting. Please submit these topics to Reid at rkaiser@dot.state.nv.us by July 9.