

Construction Industry/NDOT Advisory Committee

Materials Subcommittee

Meeting Minutes, September 29, 2008

Attendees:

Rudy Malfabon, NDOT Dir. Office  
Reid Kaiser, NDOT Materials Div.  
Darin Tedford, NDOT Materials Div.  
Richard Buenting, RHB  
Steve Hale, NDOT Const. Div.

John Elkins, Granite Const.  
Larry Sharp, Las Vegas Paving Corp.  
Dale Dunne, Frehner Const. Co., Inc.  
Parviz Noori, NDOT Materials Div.

I. Confirm Subcommittee Membership

Rudy asked that contact information be provided for all current members and Reid will forward the remaining information. Dale Dunne attended today's meeting on behalf of Kevin Stoehr of Frehner Construction Co., Inc. Derek Betts of Granite Construction was added to the subcommittee. Edgard Hitti of Paramount will be allowed to join the subcommittee. Also, Dave Titzel is now Assistant District Engineer for Maintenance. Rudy will ask Thor Dyson if Dave's replacement will join the subcommittee. Rudy stated that if some members that have never attended are not present at our next meeting, we should drop them from the roster.

II. Approval of Meeting Minutes

The meeting minutes for August 11, 2008 were approved as previously supplied by e-mail.

III. Follow Up Items From August 11, 2008

Reid Kaiser has implemented e-mailing a pdf of the asphalt mix design to the contractor and R.E. The Resident Engineer will have to obtain an e-mail address for the contractor and provide it to Materials Division.

Materials Division has had the test methods converted to electronic format and is working with NDOT Information Services to post a pdf of the NDOT Testing Manual on the NDOT website.

#### IV. Brief Report on Construction Industry-NDOT Advisory Committee meeting of September 5, 2008

Subcommittee Chairs provided briefings to the Advisory Committee on September 5, 2008. The Advisory Committee will post committee and subcommittee accomplishments. All meeting minutes are posted on [http://www.nevadadot.com/business/Liaison\\_Committee/MeetingAgendas.asp](http://www.nevadadot.com/business/Liaison_Committee/MeetingAgendas.asp)

Contractors were informed that effective October 1, 2008, NDOT will provide a range for the total engineer's estimate, not specific estimates for each unit bid price.

Contractors were provided with a list of NDOT projects that are anticipated to advertise for bids within the next year. (Refer to attachment)

The end result specification topic has been assigned by the Advisory Committee to the Materials Subcommittee. End result specs were used on a few NDOT projects in the late 1990s. This spec was an improvement on the current low bid system as it provided a means for contractors to earn a bonus on hot mix asphalt with superior test results and a liquidated damage for material with inferior test results. UNR recently submitted a research proposal to NDOT on developing an end result spec for hot mix asphalt (HMA), but it was not selected by the NDOT Research Advisory Committee (RAC). The RAC asked the NDOT Research Division to consider using NDOT staff to perform the first phase of this research in-house (research existing end-result specs in other states).

***ACTION ITEM:***

*Steve Hale will determine what information is still available in the Construction Division from NDOT's late 1990s end result program. The subcommittee will address this topic in the future.*

#### V. Alternative to MC Prime Coat

Darin Tedford provided background information (attached document titled "NDOT Prime Coat Alternatives, MTV Spec, RAP and Material Sites 09/29/08") on the test of Alon Asphalt's Topein versus MC-70 prime coat on St. Rose Parkway. NDOT Materials Division determined that Topein performed acceptably but MC-70 was preferred. It was mentioned that the NDOT Asphalt Escalation spec only applies to asphalt cement, not to liquid asphalts and emulsions.

***ACTION ITEM:***

*Reid Kaiser will investigate what other WASHTO states are using. Rich Buenting will check on current availability of MC-70. (subsequent to this meeting, the Materials Division recommended a test section of Topein on the Carson Freeway project; results will be discussed at a future meeting)*

## VI. Shuttle Buggy

NDOT sent over a revised shuttle buggy spec to FHWA for their approval. FHWA has not rejected the specification which went into effect on July 1<sup>st</sup>. It is assumed this topic has been sufficiently addressed and no further action is required. It was acknowledged that there have been some challenges with open-graded due to tracking and the thinness of the lift. The shuttle buggy is specified on Interstate and National Highway System projects. NDOT does not intend to implement a density profile spec.

## VII. Recycled Asphalt Pavement (RAP)

A brief history was provided in the handout from Materials Division. The preference is to continue specifying a premium product on our asphalt paving projects, which does not support the use of RAP. It was decided to continue discussions and to look into the performance of local agency projects in Northern and Southern Nevada which used RAP in the asphalt mix.

Rudy asked if NDOT's landscape and aesthetics program precluded using cold millings on the shoulder. There was one instance in Boulder City where it was not allowed due to aesthetics.

Materials Division is working on a spec to allow RAP and recycled concrete in other areas besides plantmix (borrow and base). A memo to R.E.s will clarify that it is not to be used in the top lift of base and it is not to be used in backfill applications where resistivity or pH is a concern. It was noted that one of the issues in using RAP is that NDOT pays by the ton but the material is not typically weighed in the field.

### ***ACTION ITEM:***

*John Elkins will provide a list of Northern Nevada projects that used RAP. Larry Sharp will provide a list of Southern Nevada projects that used RAP. Larry will also summarize some recent information on the use of RAP. The subcommittee will continue discussion of this item. Reid Kaiser is attending a RAP conference in October 2008 and will report back on what was presented.*

## VIII. Future Meeting Date

November 17, 2008 at 1:00 p.m. Rudy will check on the NDOT Las Vegas Building A Conference Room for video-conferencing and Reid will check on the 3<sup>rd</sup> Floor Conference Room in Carson City. Topics for discussion are:

- Use of RAP
- Prime Coat Alternative to MC-70
- Materials Sites
- Update on the SEM Materials Bankruptcy