

## **Summary Meeting Minutes:**

Pavement Design and Construction Issues for Florida Greenbook

Teleconference Meeting: Bridge No. 850-410-5666

**November 16, 2010 (9:00am – 10:30am)**

Tarpon Conference Room – District Seven Headquarters

Agenda

**Attendees:** Ty Mullis, Resident of Spring Hill, Florida, Keith Bryant, P.E., Bay County, Jim Burnside, P.E., City of Tampa, David O'Hagan, P.E., FDOT; Jim Mills, P.E., FDOT; Bruce Dietrich, P.E., FDOT; John Minnick, Esq., FDOT; Robert Quigley, P.E., FDOT; Ronald Chin, P.E., FDOT;

**Purpose:** The purpose of the meeting was to discuss potential enhancements to Chapter 5 of the Florida Greenbook (Manual of Uniform Minimum Standards for Design, Construction, and Maintenance for Streets and Highways) specifically regarding: (1) Unpaved Roads; (2) Roadside Safety Edge; and (3) Any additional language to enhance clarification of Pavement Type Selection; Structural Design; Drainage; Shoulder Treatment and Pavement Construction throughout the Chapter.

Meeting began at approximately 9:10am with Mr. Chin greeting all and having each person introduce themselves. Mr. Chin opened discussion to focus on the first topic of "Unpaved Roads" which was brought to the Greenbook subcommittee as an issue of concern by Mr. Ty Mullis, a resident of Spring Hill, Florida. The following summarizes discussion for the topics discussed in the order that they were presented:

### **Unpaved Roads (60 minutes):**

Mr. Chin asked Mr. Mullis to introduce the issue of his concern regarding "unpaved" roads in Florida. Mr. Mullis' primary quest appears to be finding an authority to enforce EPA/DEP rules regarding pollution limits attributed to the dust and runoff caused by motor vehicles operating on unpaved roads. (i.e. predominantly limerock where much is used where he lives - Hernando County) As he did not prevail with that pursuit against DEP; his secondary quest is pursuing the Florida Greenbook to: (1) exclude the use of certain materials for construction and maintenance – even if materials are not listed by type or source, a preclusion of using materials that significantly contribute to violation of air quality standards or pollution regulations would be a betterment; (2) provide maintenance strategies to control dust and runoff for existing "unpaved" roads His request is based on the premise that under the auspices of Section 336.045 Florida Statutes; Uniform minimum standards for design, construction, and maintenance; advisory committees; The "department" shall develop and adopt uniform minimum standards and criteria for the design, construction, and maintenance of all public streets, roads, highways, bridges, sidewalks, etc. Since many unpaved are also public roads, Mr. Mullis believes that the FDOT has not comprehensively fulfilled its obligations with regards to setting criteria for them. Mr. Mullis provided handouts of excerpts for Sections 336 and 403 of the Florida Statutes to participants in District Seven for information. Deliberation pursued on: (1) Should the Florida Greenbook stipulate materials used for unpaved roads; (2) should the subcommittee establish minimum criteria for unpaved roads to include design speed and ADT; (3) should guidance be included on maintenance strategies for unpaved roads; and (4) should additional language be included to refer to Section 403 of the Florida Statutes for Operation permits for major sources of air pollution. The subcommittee mutually agreed that these items would require soliciting other local jurisdictions for additional data and feedback to be presented at the next Greenbook meeting in Orlando. All changes must go before the Advisory Committee. Mr. Bryant was emphatic that items (1), (2) and (3) would have a tremendous economic impact on Bay County and could affect many other cities/counties in Florida. Mr. O'Hagan suggested we solicit FACERS (Florida Association of County Engineers and Road Superintendents) and Mr. Bryant suggested we solicit APWA (American Public Works Association) for additional data to summarize design and maintenance practices for unpaved roads. Mr., Chin will also solicit and record the miles of unpaved roads for responding local municipalities in District Seven and other participating FACERS and APWA members. Mr. Mullis ended this discussion with volunteering to assist in research of data from local municipalities or other and thanking the committee members for his invitation to participate in the meeting.

### **Safety Edge (15 minutes)**

A handout was provided via .pdf of FHWA's brochure on the Safety Edge by Mr. Chin. Discussion began with Mr. O'Hagan indicating the need to include this feature on all roads resurfaced with emphasis on those without paved shoulders as the benefit is tremendous. Mr. Chin asked if Bay County and the City of Tampa used the same performance measure of deficiency similar to the FDOT which is 3". Both local agencies appear to use the similar criteria. Mr. Bryant asked if the cost of the typical Safety Edge could be calculated and shared at the next Greenbook meeting. Mr. O'Hagan requested that the Safety Edge be illustrated in drawing for upcoming January, 2011 Pavement Design Subcommittee follow-up meeting and also for March 29, 2011 Florida Greenbook meeting where we would solicit approval for Greenbook inclusion.

### **Additional Chapter 5 Enhancements (15 minutes)**

Mr. Chin initiated that Resurfacing Restoration and Rehabilitation was discussed at previous Greenbook meeting-with the committee agreeing that this would be addressed and included under Chapter 10. All agreed. Mr. Quigley asked that we look at the additional suggested language enhancement under Pavement Type Selection, Structural Design, Drainage, Shoulder Treatment and Pavement Construction to gather consensus to present at the upcoming March 29, 2010 Greenbook meeting. Mr. Chin agreed to review all sections in detail for the January 2011 follow-up meeting. Mr. Chin also asked Mr. Burnside to share his experience with grooving on a project in Tampa where they had a slick surface issue on concrete pavement. Mr. Burnside indicated that the City of Tampa has used both grinding and grooving with success.

### **Action Items:**

1. Mr. Chin will solicit District Seven Counties, FACERS, and APWA for number of miles of unpaved roads and for any design and maintenance criteria for unpaved road.
2. Mr. Chin will set up following meeting in January, 2011 for subcommittee members only.
3. Mr. Chin will seek assistance to establish a CADD drawing of Safety Edge and estimate quantity per mile with estimated construction cost.
4. Mr. Chin will share meeting minutes with all attendees as well as persons invited and include all handouts discussed and/or referenced.
5. Mr. Chin will seek assistance from Mr. Mullis as required to gather additional data.
6. Mr. Quigley will invite all participants to the next Greenbook meeting including public announcement for public attendance.