ICPF Technical Working Group Meeting

Web Meeting
Wednesday, June 2nd 2009
11:00 a.m. – 12:00 p.m. E.D.T.

Attendees:

**Project Team:** George Chang – PI, Helga Torres (Transtec Group), Bob Horan – Facilitator (Asphalt Institute), Larry Michael – Co-PI (LLM Asphalt Consultant)

**GDOT:** Sheila Hines, Georgene Geary, Paul Koble, David Jared, and etc.

**FHWA/GA:** (Dave ?)

**Paving Contractors/Consultants:** John Brister (Astra), Lopez Ernie (Atlanta Paving), and John (?) etc.

**Sakai:** Stan Rakowski

Purpose – Final Planning for GDOT IC Demo – Aug. 17 to 21, 2009

- Learn from Past IC Projects
- Review Schedule/Activities
- Coordinate Work/Responsibilities
- Review Experimental Plan

Summary and Action Items

Learn from Past IC Projects

- Reviewed highlights from the MN and NY HMA IC projects.
- Stressed the importance of subbase mapping prior to the HMA paving
- Demonstrated improvement in roller passes and coverage
- Will adjust the color legend setting for the GDOT project to display all roller passes above 4.

Review Schedule/Activities

- The paving schedule is targeting **Aug. 17-21** decided by GDOT and Atlanta Paving right after this meeting.
- Bob will contact Sakai and Bomag for their roller availability for Aug. 17-21, and arrange for roller shipment. (completed)
- The training time for roller operators will take 2-4 hours.
- Daily briefing can be conducted at the contractor’s trailer on-site.
- The HMA paving would consist of 3 lifts. Tentatively, one lift would be paved for the entire project per day.
- The IC roller(s) will be used for the entire project. Depending one or two IC rollers available to the project, the research team will adjust the compaction plan accordingly. (complete)

Coordinate Work/Responsibilities

GDOT will provide

- A FWD and an operator (at designated locations during pre-mapping on the existing subbase on Day 1) (tentative). A relative calibration prior to the testing will be required. **Georgene will provide update on the FWD and its operator’s availability.**
• A nuclear density gauge and an operator (measure HMA density after the break-down rolling and finishing rolling, tentatively, for each lift at designated locations by the research team)
• A hand-held survey-grade GPS (rover) and an operator (record all FWD test locations, nuclear density gauge measurement locations). The rover should be compatible with the Trimble GPS base station. **Georgene will provide update on the GPS rover and its operator’s availability.**
• An indoor presentation facility (a LCD projector and screen) for the first 2-hr Open House. It is normally expected to have ~40 participants.
• Promotion of the Open House to local general contractors’ association, asphalt association, and other GDOT offices. GDOT may also get the news media involved.

Contractor will provide:
• Two operators to operate IC rollers.
• Secured storage for IC rollers during non-paving time.

Sakai will provide:
• A double-drum IC roller and technical support
• A Trimble GPS station

**Review Experimental Plan**
• GPS Base Station and Roller Setup (Day 1)
• Mapping of existing subbase/In-Situ Tests (Day 1)
• HMA IC Test Strip/In-Situ Tests (Day 2)
• HMA IC Production Rolling/In-Situ Tests (Days 2-5)
• Open House (Day 4) - 2-hr indoor presentation, 2-hr field demonstration.
• The experimental plan may be modified depending on the final schedule and number of rollers available.

**Logistics (assuming the Aug. 17 target date)**
- **Roller shipment and storage:**
  - All IC rollers will be shipped to the field site by Friday, Aug. 14.
  - The shipping address is: Atlantic Paving Project Office 4500 Peachtree Rd., Atlanta, GA 30360 (770)231-4405:
  - GDOT and Atlantic Paving will discuss further to resolve the roller storage issue.
- The research team and the IC roller vendors’ tech support will be arriving on-site the day before the demonstration. Most of the research team personals will stay for the entire week.

**Action Items**
- **(George) Prepare a meeting minutes (this document), update the experimental plan document, and summary field sheets (including all on-site contact cell phone numbers), and project webpage contents. (complete)**
- **(Bob) Contact Bomag and Sakai regarding the tentative paving schedule. Work with George on modification of the experimental plan. (complete – both roller vendors are confirmed)**
- **(Sheila) Provide update and promote the Open House event.**
- **(Georgene) Provide update on the GDOT support on GPS rover, FWD and their operators.**
- **(Atlantic Paving) Email George an electronic copy of the Park and site plan. Also, confirm/correct the roller shipment address: 4500 Peachtree Rd., Atlanta, GA 30360.**