



Intelligent Compaction

ICPF Technical Working Group Meeting

Conference Call

Monday, March 30th 2009

11:30 a.m. – 12:30 p.m. E.D.T.

Attendees:

Project Team: Bob Horan, George Chang, Larry Michael, and Helga Torres

GADOT: Sheila Hines, Georgene Geary, and etc.

Contractor and sub-contractor: Astra and Atlanta Paving and Concrete.

Purpose - GADOT IC Demo

- Introduction to ICPF Project
- Review on General Experiment Aspects
- Setting of Target Time Frame

Summary and Action Items

General Project Info

- ▶ Bob stressed the scope and goals of the ICPF project. This IC demo will be approx. 5 days. The project information and reports/video are posted on the IC website: www.IntelligentCompaction.com.
- ▶ General Contractor: Astra will be placing the graded aggregate base.
- ▶ AC Subcontractor: Atlanta Paving & Concrete (Contact person: Ernie Lopez) will probably use a C.W. AC plant near.
- ▶ Project will start on ~April 6th; and AC paving is scheduled for August. Note: The project team will not be available from July 31 to August 10, 2009.
- ▶ The total of AC will be 5,000 tons. Top sizes aggregates in AC will be 19 mm (min. 1.5" lift) and 25 mm (min. 2" lift). Note: Larry warned the potential problems with nuclear density measurement on top of 25-mm AC mixtures.

GDOT

- ▶ GDOT informed the contractor that the entire project will be done with IC equipment, when the contractor inquired if it was only a test section.
- ▶ GDOT strongly recommended to proof-rolling the aggregate base course before the IC equipment was on site. Note: the aggregate base mapping was performed during the asphalt IC demo in Mn/DOT in 2008 with great success (see the online report for details).

Contractor

- ▶ Contractor inquired about how many more meetings (and how long) were expected to have before the demo. GDOT expected two more meetings.
- ▶ Contractor inquired if other activities at the project have to be restricted during the IC testing, i.e. vibrations of adjacent activities will affect IC readings?
- ▶ Contractor requested IC 2 rollers (1 for back up); GDOT explained will try but unlikely. Note: Sakai America has committed to provide a double drum IC roller. The ICPF is also looking into

another double drum IC roller (likely Bomag America if they equip their asphalt IC roller with GPS).

- ▶ Contractor rollers are manufactured by HAMM (Germany) – but they did not participate the ICPF project.

Action Items

- ▶ **(GADOT/Contractor)** Provide the ICPF research team alignment data (Auto-CAD format or similar) of this project.
- ▶ **(Bob/Larry/George)** Prepare a draft experimental plan by mid-April, 2009.
- ▶ **(George)** Arrange a conference call for Bob Horan, George Chang, Larry Michael, Sheila Hines, and Georgene Geary to define goals for this IC demo by late April, 2009.
- ▶ **(George)** Arrange a web conference in May, 2009 for all parties (ICPF project team, GDOT, contractor/sub-contractor, roller vendors, etc.).