



Intelligent Compaction

ICPF Technical Working Group Meeting

Conference Call

Monday, April 6th 2009

1:30 p.m. – 2:30 p.m. E.D.T.

Attendees:

Project Team: Bob Horan, George Chang, Larry Michael, and Qinwu Xu
MD SHA: Dan Sajedi, Gloria Burke, George Hall.

Purpose – Planning for MD SHA IC Demo

- Site Selection and Target Time Frame
- Roller Selection and Experimental Plan

Summary and Action Items

Site Selection and Dates

- ▶ MD SHA is flexible on project selections.
- ▶ Candidate projects include US 15, US 68, I-70, MD 27, and etc.
- ▶ Projects includes base widening (e.g. US 15) would be preferable since IC mapping/proofing can be included.
- ▶ The target time frame is either the week of June 8, June 22, June 29, or July 6 (NB: all weeks in July are currently open). However, the research team will not be available (i.e. “blackout dates”) between June 12 and June 21, and between July 31 and August 10. Also, the team should be aware of the shutdown during the July 4th weekend that may affect the weeks of June 29 and/or July 6.

Roller Selection and Experiment Plan

- ▶ (Roller) Sakai’s double drum roller will be available for this project provided there is no conflict with the MSDOT IC demo (tentatively June 1 to 5 – but subject to change).
- ▶ (2nd Roller) Bomag’s double drum roller may be available for this project if it is equipped with GPS.
- ▶ The demo will include U MD’s temperature tags. The “survival rate” or the percentage of buried tags that send back signals and measurement is about 10%. An improved ½” tags may be used in this project.
- ▶ MD SHA will provide GPS locations for all in-situ measurements (e.g. cores, nuclear gauge) using a hand-held survey grade GPS. Other in-situ testing may be considered (though not discussed extensively)
- ▶ MD SHA tentatively agree to conduct an Open House and will invite media reports through the MD SHA PR department.

Action Items

- ▶ **(Gloria/Dan)** Keep the research team updated with any candidate projects and narrow the time frame asap. Special provision will be included in the contract document for the selected project.
- ▶ **(Bob)** Contact Bomag about this demo project and confirm their IC roller will be equipped with GPS. **(complete)**
- ▶ **(George)** Provide Gloria/Dan a sample Open House agenda and records.
- ▶ **(Bob/Larry/George)** Prepare a draft experimental plan as soon as a candidate project is identified.