



Intelligent Compaction

ICPF Technical Working Group Meeting

Web Meeting

Friday, July 16, 2010

2:30 p.m. – 3:30 p.m. E.D.T.

Attendees:

Project Team: George Chang – PI (Transtec Group)
Bob Horan – Facilitator (Asphalt Institute)
David White – Co-PI (ISU)
Heath Gieselman (ISU Geotech Mobile Lab)

FHWA: Victor (Lee) Gallivan, COTR

ID DOT: Tommy Nantung, Erik Seef, Nayyar Siddiki, Joe Novak, Gary, Charlie, Tom

Crider and Crider: Matt Schaaf

Caterpillar: Kris Hanson

ICA: Paul Berebitsky

Purpose – Planning for IN DOT IC Demo – Aug. 17 to 19, 2010

- Review Schedule/Activities
- Coordinate Work/Responsibilities
- Review Experimental Plan

Summary and Action Items

Project Site and Schedule

- The SR-25 project site is located near the junction of SR-25 and E 300 N Street in West Lafayette. Two project trailers are onsite approx. 100 ft to the project area.
- Matt and Erik will provide George the shipping address, contact person, and cell phone number for the roller delivery. IC rollers will be delivered preferably by Friday, Aug. 13. As the shipper gets near West Lafayette, the truck driver would call at the cell phone number provided.
- The ISU Geotech Mobile Lab will be arriving on Monday, Aug. 16, likely in after hours. ISU will contact the Matt Schaaf of Crider and Crider when it gets close to the job site.
- The foot print that the ISU Geotech Lab needs is about 50 ft X 100 ft – preferably level and non-clayey soils. ISU will need about 50 gallon of potable water during the week.
- Soils for this demo will consist of both cohesive and granular materials.
- All onsite personnel (including roller and GPS tech supports) will meet at 8AM, Tuesday, August 17 at the ISU Geotech Lab for a briefing.

Contractors' Support (see the special provision for further details)

- Crider & Crider will provide 300 gallons of fuel for the IC rollers and 50 gallons of potable water for the ISU geotech lab.
- Crider & Crider would also mobilize IC rollers to the INDOT R&D office for the Open House before 10:00AM on Thursday, Aug. 19, 2010.
- Matt will work with ISU to prepare test beds (including loose soil materials and water/moisture conditioning) for IC demons on Tuesday and Wednesday. It is expect to start with the target moisture content specified for this project, then move on to values that determined by the Proctor tests.
- ISU will also discuss with Matt about providing 1 to 2 roller operators for the production work if necessary.

INDOT Support

- Erik and Matt will gather project plan drawing files, soil information/data, and GPS control points and email them to George.
- INDOT will test soils (both cohesive soils and granular) from this project prior to the IC demonstration.
- Paul of ICA will be the contact for the Open House event on Thursday, Aug. 19: start/end time (10:30AM to noon), location (INDOT R&D), and capacity (~ 50 people). ICA will co-sponsor this event by providing refreshments. The outdoor IC demonstration will be conducted at the parking areas of the INDOT R&D. The Open House flyer is ready to be distributed: Tommy will send it to INDOT offices and Purdue U., and Paul will send it to the ICA industry partners.

Vendors Support

- Caterpillar: Kris Hanson will not be onsite, but Caterpillar will provide a marketing personnel to make a presentation during the open house.
- Dave, Bob, and Kris will discuss and coordinate appropriate IC rollers for both ND and IN soils IC demo.
- Trimble/ SITECH: Sitech will provide GPS tech support onsite and Trimble will provide a personnel to make a presentation during the open house.
- Virtual GPS base station may be tried out for this demo.

Logistics

- Suggestions from IC team traveling/lodging: Suggested hotels on SR-26.
- In additional to the ISU Geotech personnel, Lee and George will be onsite.

Experimental Plan

- The ISU team expects to conduct calibration test strips on Tuesday, and then move on to production on Wednesday.
- The ISU team will also conduct moisture test in additional to the normal in-situ field testing.
- ISU will coordinate with INDOT personnel on the in-situ tests.
- Dave will provide a summary of the experimental plan once the IC roller issue is settled.
- All site personnel should send their cell phone numbers to George to compile into a one-page contact list.
- George will update the project webpage that serves as a communication vehicle for all participants of this demo.