

WADOT IC Project - Meeting # 3

FHWA Intelligent Compaction HMA In-Place Density Study - WADOT IC Field Project

Date: Aug. 12, 2014, Time: 8:00AM-9:00AM PST

Attendees:

Victor (Lee) Gallivan, FHWA, COR

George Chang, Transtec Group, PI

Jeff Uhlmeyer, WSDOT, State Pavement Engineer

Kim Willoughby, WSDOT, State Research and Development Office

Jay Drye, WSDOT, Engineering Manager - Mt Baker

Patrick Fuller, WSDOT, Assistant Project Engineer

Rob Rasmussen, Granite Construction

Chuck Young, Granite Construction

Kental Hill, Granite Construction, QC manager

Rob Withers, Granite Construction

Tim Kowalski, Wirtgen/Hamm

Dave King, Caterpillar

Adam Carmichael, Infrasense, GPR

Summary and Action Items

Project Update

- The project is still on. The contractor will work out the schedule for this IC project.
- The daily paving will be 12 ft by 2,400 ft.
- Daily paving will start at 6AM.

Roller shipment

- The shipping address is 9900 Guide Meridian Lynden, WA 98264. ETA: Saturday August 23.
- The site is unlocked and accessible.
- Hamm will provide a HD 140 IC roller.
- Caterpillar will provide a CB54XW IC roller.

Field Activities

- The IC setup, GPS validation, and IC trial runs will be at the roller delivery location from 2PM to 5PM on Sunday, Aug. 24.
- Roller operators' training will be around 4PM on Sunday during the setup/trial run.
- All parties will meet at the job site at 5:30AM on Monday, Aug. 25, for a safety briefing. PPE include the current requirements of the Field Summary Sheet plus ear plugs.
- Compaction will make use of both IC rollers and additional roller(s) supplied by the contractor. Contractor will use normal rolling patterns, though it is recommended using pneumatic rolling after the compaction of both IC rollers. Density progression will be monitored after each roller pass to ensure target density is achieved.
- Contractor will provide a nuclear density gauge and an operator during all three days of field operation. The gauge shall be calibrated with core data.
- Contractor will make sure of PAVE-IR during the paving operation. The PAVE-IR data will be submitted to George Chang for correlation with IC and other data.
- WSDOT will provide a measuring wheel on Tuesday, Aug. 26.
- WSDOT will provide a FWD and operator(s) for 30 tests after noon time on Tuesday, Aug. 26 with typical WSDOT FWD sensor spacing and 9,000 lb load. Raw data will be submitted to George Chang after the test.
- WSDOT will provide two coring rigs and operators from two districts for taking 60 (4") cores after noon time on Tuesday, Aug. 26. Cooling agent may be needed to lower temperatures at coring spots.
- Infrasense will perform GPR scanning (6 passes for a 12' wide lane) under the instructions of the FHWA IC team to avoid conflicts and delay with the NG/LWD/GPS/coring.
- WSDOT will perform bulk density tests on the 60 cores and provide results to George Chang in reasonable time.

- The contractor will move the IC rollers to the Open House location () prior to the Open House event on Thursday, Aug. 28.

Misc

- The traffic is heavy near the jobsite. It is recommended to park cars at a holding area, then car-pool to the jobsite.
- Cellular coverage at the jobsite is poor. Using other communication devices (such as Walkie-Talkie) is recommended.
- Due to the jobsite is close to the US-Canada border, carrying passports is recommended.

Other Action Items

- Hamm and CAT will provide George Chang detailed technical spec. of the IC rollers used in this project.
- CAT will contact SITECH to provide a GPS hand-held rover and a base station (including a car battery for full-day power supply) as well as presentation/show-and-tell during the Open House.
- WSDOT may consider DOT press coverage of the field operation and Open House.
- George Chang will invite MOBA to this IC project.
- The FHWA IC team will update the Field Summary Sheet document and the IC project webpage.