

MD SHA IC Project - Meeting # 1

FHWA Intelligent Compaction HMA In-Place Density Study – MD SHA IC Field Project

Date: Dec. 16, 2013, Time: 1:00PM-2:15PM EST

Attendees:

Victor (Lee) Gallivan, FHWA

George Chang, Transtec Group

Azmat Hussain, FHWA-MD

Gloria Burke, MD SHA

Barry Catterton, Asphalt Division Chief, MD SHA

Geoffrey Hall, Pavement Design Division Chief, MD SHA

Summary and Action Items

Summary of meetings:

- This demo is a part of the FHWA asphalt density and IC study. The preferred time frame of this demo is from May to July, 2014 (avoid the last two weeks of May and first week of June)
- The demo project require a two lift asphalt paving where extensive (60) cores will be taken from the bottom lift. Lift thickness is not critical. The mix type is not critical. Avoid the first day paving.
- One lift construction may be acceptable if coring from shoulder or sacrificing lanes. Either 4" or 6" cores are acceptable.
- More than 2 coring rigs will be needed.
- MD SHA does not own coring rigs or (nuclear) density gauges. These equipment and personnel will need to be from contractors and covered in a contract change order.
- Day time paving operation is preferred but not required.
- The cores from this research will not change the current acceptance method.
- Contractors will have minimum changes to their operation.
- FHWA will cover the majority the cost including personnel, technical support, roller shipment cost, and etc.
- MD SHA will need to coordinate with the selected contractor for taking 60 cores and perform bulk density lab tests.

- MD SHA will decide whether to waive the density requirements during the 3-day of IC demo.

Action Items

- MD SHA will find out the cost for (a) 2 coring rigs for one-day (or night) operation to take 60 cores, (b) a nuclear density gauge and an operator for 3-day operation, and (c) lab bulk density tests for 60 cores.
- MD SHA will weigh on the cost consideration and available projects and decide whether to continue this IC demo by mid-January, 2014.
- George will poll for the 2nd meeting in late January, 2014.

Next Meeting

Late January, 2014.