



# Intelligent Compaction

## ICPF Technical Working Group Meeting

### Web Meeting and Teleconference

Thursday, Jan 5<sup>th</sup> 2009

2:00 p.m. – 3:00 p.m. E.S.T.

**Attendees:** Team Members of the NYSDOT IC Field Demonstration  
**Moderators:** George Chang (Transtec Group, TG, PI), Bob Horan (AI, Facilitator)  
**ICPF Team -** David White (ISU, Co-PI)  
**Participants:**  
**NYSDOT -** **(HQ)** Zoeb Zavery, Don Dwyer  
**(Region 5)** Dave Fisher, Eugene Wardzinski, Daniel Plesac, Joseph Zieziula, Pamela King.  
**Contractor -** Stephen Forrestel, Cold Spring construction  
**Roller Vendors -** NA

### Purpose

- Discuss Project Objectives
- Develop Work Plan
- Plan/Schedule Activities
- Coordinate Work/Responsibilities

### Agenda

Time*	Topic	Topic Leader(s)
02:00 pm	Introduction	Chang
02:05 am	Update from DOT/Contractor <ul style="list-style-type: none"> <li>• Project Objectives/Goals</li> <li>• Dates/ Test Site and Meeting Locations</li> <li>• Contractor Support/Change Order/SP</li> <li>• DOT Personnel Support</li> <li>• Open House? PR Dept?</li> </ul>	Zavery/Fisher/Forrestel
02:15 am	Logistics and Activities <ul style="list-style-type: none"> <li>• Rollers and tech support</li> <li>• ISU Geotech mobile lab</li> <li>• Research Team / Travel Details</li> </ul>	Horan
02:20 pm	Experiment Plan <ul style="list-style-type: none"> <li>• Required Info for Preparing Experiment Plan</li> <li>• Responsibilities of all parties</li> </ul>	White
02:55 pm	<ul style="list-style-type: none"> <li>• Follow up Action Items</li> <li>• Date/Time for Next Web Meeting?</li> </ul>	Chang
03:00 am	Adjourn	

## Summary of Minutes and Action Items

### Candidate Test Site and Materials of Interest:

- The candidate site is located at US 219 in Springville, NY (20 miles south of Buffalo).
- It will be a 4 mile long, new construction project – 2 lanes in each direction.
- The time frame for the IC demo is tentatively in the last few weeks of May, 2009. The ISU Geotechnical Mobile Lab is available during the above time frame.
- The preliminary focus material is subgrade embankment material – granular, non-cohesive subgrade (sandy, fine grained shale)
- In addition to calibration test beds, compaction on multiple lifts of subgrade materials will be performed to investigate influence depths.
- The demo is also likely to include the subbase material. The subbase material will be 12" thick on top of the subgrade (including 2 lifts of 8" and 4" thick with 4" and 2" of top size granular material).
- NYSDOT currently does not require tests on compaction of subbase material – though 6 roller passes are generally used.
- NYSDOT is also interested in HMA IC compaction. Though the subgrade and subbase materials are the focus of this demo, Bob may explore the possibility in incorporating an HMA IC demo if there is no additional cost involved.

### Construction Methods

- Use of haul trucks, water trucks, etc.
- Trimble GPS control with GPS base stations will be used – which is highly likely to be compatible with the GPS systems used by the ISU Geotechnical lab and IC rollers.

### Special Provision

- Bob sent NYSDOT a generic special provision for Type II material (will need to slightly revise it to Type I – fine grained non-cohesive material and likely to add Type III granular subbase materials).

### Open House

- NYSDOT (Zoeb) may look into the possibility of having an Open House (normally during the end of the one-week IC demo period) that after reviewing open house agenda from previous demos and discuss with local regional office.
- NYSDOT (Zoeb) may also look into possibility of coordinating the Open House in the neighborhood of the June 2<sup>nd</sup> NYS Pavement Association meeting. However, the June 2 date may not in sync with the IC demo.

### Main Contacts

The NYSDOT contacts includes the followings:

#### Head Quarter

Don Dwyer - MO Geotech, ddwyer@dot.state.ny.us, (518) 457-4724

Zoeb Zavery - MO Materials, zzavery@dot.state.ny.us , (518) 485-5277

#### Local District

Dave Fisher, Region 5, Materials Engineer, dfisher@dot.state.ny.us, (716) 667-1711

Eugene Wardzinski , Engineer in Charge, EWARDZINSKI@dot.state.ny.us (716) 592-7428

Daniel Plesac, Region 5, Technical Services Engineer, DPLESAC@dot.state.ny.us

Joseph Zieziula , Region 5, Geotechnical Services Engineer, JZIEZIULA@dot.state.ny.us, 716 667-1711

Chris Nebral - Area Geotechnical Engineer, Geotechnical Engineering Bureau, cnebral@dot.state.ny.us, 518 457-4717

Jim Curtis - Supervisor, General Soils Laboratory, Geotechnical Engineering Bureau,  
jcurtis@dot.state.ny.us, 518 457-4735

Contractors

Stephen Forrestel, Contractor, Cold Spring construction, sforrestel@coldspringconstruction.com

### Action Items

- George will compile a contact list and start a webpage for this demo. (complete)
- NYSDOT and contractor will provide the research team (George) detailed site info, soil lab test data such as gradation, Proctor tests, etc. (Ongoing)
- George and David W. will start a draft experiment plan (including an on-site meeting the day before the demo and any info from NYSDOT/Contractor.) and circulate it for comments. (Early draft is complete)
- Bob, David W., and the research team will select two IC rollers to best fit to this IC demo. (Bomag and Caterpillar IC rollers were selected)
- NYSDOT and its contractor will review the special provision document and Bob will help finalizing it by Feb. 6, 2009. (Need update)
- George will coordinate the next web meeting – likely to be close to the IC demo period when all preparation is fairly complete. (To do)