



# Intelligent Compaction

## **ICPF Technical Working Group Meeting**

### **Conference Call**

**Monday, April 27<sup>th</sup> 2009**

**2:00 p.m. – 3:00 p.m. E.D.T.**

### **Attendees:**

Project Team: George Chang (Transtec Group) and David White (ISU)

NYSDOT: Zoeb Zavery, Dave Fisher, Chris Curtis, and etc.

Cold Spring Construction: Stephen Forrestel and etc.

Sakai: Stan Rakowski

Caterpillar: Allen DeClerk

## **Purpose – Final Planning for NYSDOT IC Demo – May 18 to 22, 2009**

- Review Schedule/Activities
- Coordinate Work/Responsibilities

## **Summary and Action Items**

### **Update from NYSDOT/Cold Spring Construction**

- ▶ The construction is in good progress. Embankment, subbase, and asphalt paving will be available for this study during the week of May 18, 2009.
- ▶ Cold Spring Construction will work with the research team to determine locations for the ISU trailer and field tests.
- ▶ NYSDOT will supply a FWD and an operator from noon, Monday 5/18 to noon, Friday, 5/22.
- ▶ There will be an Open House from 10:30AM to 2:30PM, Thursday, May 21. First half indoor presentation will be at the NYSDOT Orchard Park office. The second half will be at the IC demo field site at Route 219. NYSDOT will promote this event to the local constrictors' associations (e.g. AGC) and provide a LCD projector and a screen for the indoor presentation.

### **Logistics**

- ▶ Both the Caterpillar single smooth drum IC roller and the Sakai tandem drum IC roller will be arriving at the field site on May 15. The shipment of the Bomag single smooth drum roller is yet to be confirmed.
- ▶ Both the Caterpillar single smooth drum IC roller and the Sakai tandem drum IC roller will be equipped with Trimble RTK GPS receivers. The RTK GPS receiver of the Bomag single smooth drum roller is yet to be confirmed.
- ▶ Cold Spring Construction will set up a Trimble GPS base station. The local Trimble technical support (?) is Ryan, 716-628-6661. All IC rollers and the ISU hand-held rover will share this base station. ISU Mobile lab will also have a backup GPS base station.
- ▶ ISU mobile lab and staff will arrive at the job site around 2PM, May 17. The research team and the IC roller vendors' tech support will be arriving in PM, May 17. Most of the above personals will stay the entire week.
- ▶ The suggested lodging is: Wingate Inn (recommended), 11 Mill St., Ellicottville, NY 14731, (716) 699-6000, (800) 228-1000; or Microtel Inn in Springville. The Wingate Inn is about 18 miles south of the field site.

### **Experiment Plan**

- ▶ Detailed objectives for the demo are described by Dr. David White.

- ▶ Detailed daily activities are summarized in a table. Preparation of test beds was discussed.
- ▶ Both NYSDOT Albany and Orchard Park offices will provide supports for testings: FWD, LWD, nuclear gauge, Proctor tests, and etc.
- ▶ Mini-demo for asphalt IC will be conducted during the same period of the soil/subbase IC demo though at a different location. It is expected the existing base will be "mapped" prior to the asphalt paving the same Sakai IC roller. However, only nuclear gauge readings will be taken by NYSDOT during the mini-demo.
- ▶ Additional Notes on Mini Demo (Note: Though not discussed during the meeting, a separate hand-held GPS rover may be needed to record test locations. Can NYSDOT or Cold Spring Construction provide one? Also, can Cold Spring Construction supply one roller operator to operate the Sakai IC roller?)

#### **Action Items**

- ▶ **(George Chang)** Follow up with Bomag on the IC roller shipping and RTK GPS receiver.
- ▶ **(George Chang)** Update project website, experimental plan, and field summary sheets (including all on-site contact cell phone numbers). (complete)
- ▶ **(George Chang)** Recommended hotel information (complete, in this minutes)
- ▶ **(Chris Nebral, NYSDOT)** Coordinate a FWD and an operator for the field test. (complete)
- ▶ **(David Fisher, NYSDOT)** Promote the open house event to local contractors' association and provide a LCD projector and a screen for the indoor presentation.
- ▶ **(George Chang)** Prepare IC brochures for the Open House.
- ▶ **(David White)** May consider a separate field recon trip if possible.
- ▶ **(ISU/Cold Spring Construction)** First onsite meeting will be at 4PM, May 17.