

KSDOT Soil IC Demonstration - On-Site Contact List

Names	Roles	Affiliation	Telephone
ICPF Project Team			
George Chang	ICPF team PI	Transtec Group, Inc.	512-451-6233 512-659-1231 (cell)
David White	ICPF team Co-PI	ISU	515-294-1463 515-290-1080 (cell)
Bob Horan	ICPF Facilitator	AI	804-539-3036 (cell)
Victor (Lee) Gallivan	ICPF COTR	FHWA	317-605-4704 (cell)
Heath Gieselman	In-situ Testing and support	ISU Geotech mobile lab	515-450-1383 (cell)
KSDOT/Research			
Hugh Bogle	DOT coordinator	KSDOT	785-448-5446 ?? (cell)
Rusty Drake	Contractor liaison	KSDOT	913-927-8036
James Brennan	ICPF State representative	KSDOT HQ	785-296-3008 785-640-4902 (cell)
Suan Parker	Open House coordinator	KSDOT	785-291-6665 ?? (cell)
Roller Vendors			
Stan Rakowski	Trainer/product support	Sakai	717-437-5400 (cell)
Dean Potts	Trainer/product support	Caterpillar	763-493-7514 763-443-9302 (cell)
Nick Oetken	Trainer/product support	Caterpillar	763-742-4738 (cell)
Paving Contractors			

Roller Shipment

The shipping address is: 9449 Trump Terrace, Pleasanton, KS 66075. It is on US 69 between intersections with the railroad track and the one with Thomas road.

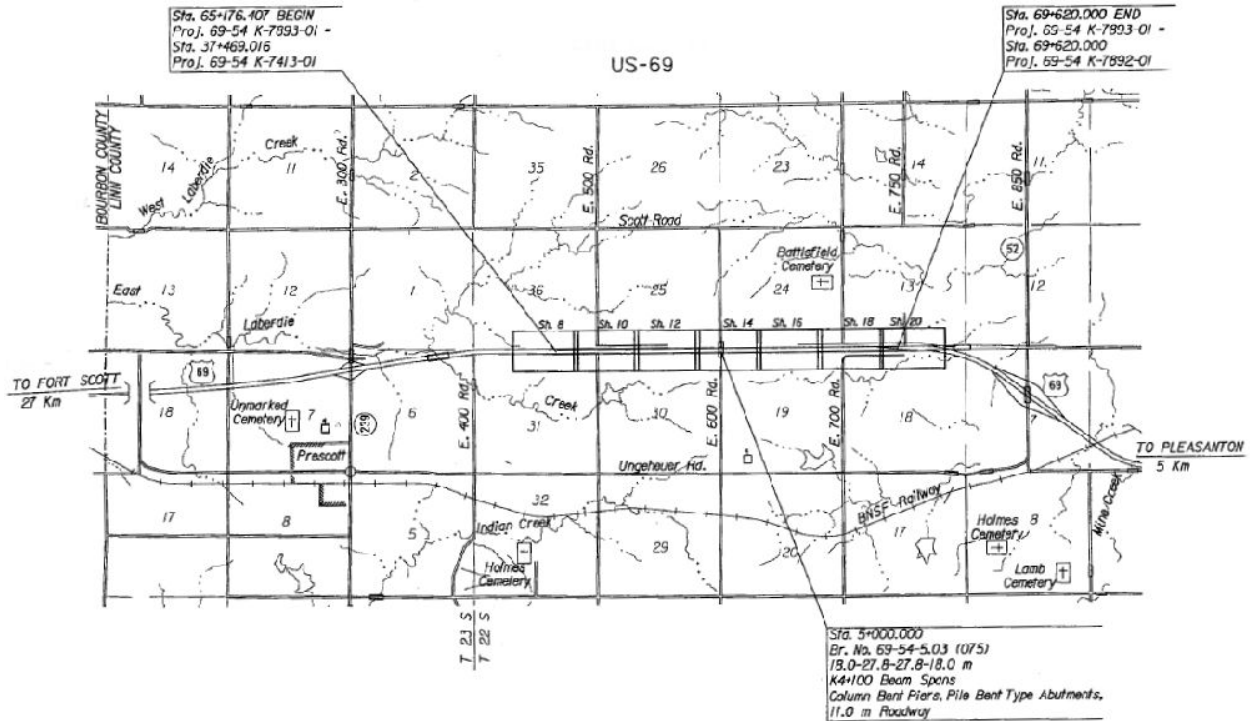
Rollers will be shipped at this address by Friday (Aug. 15) or Saturday (Aug. 16).

Contact: Rusty Drake at 913-927-8036

Site Map of the KSDOT IC Demo Project - US 69

Site Plan

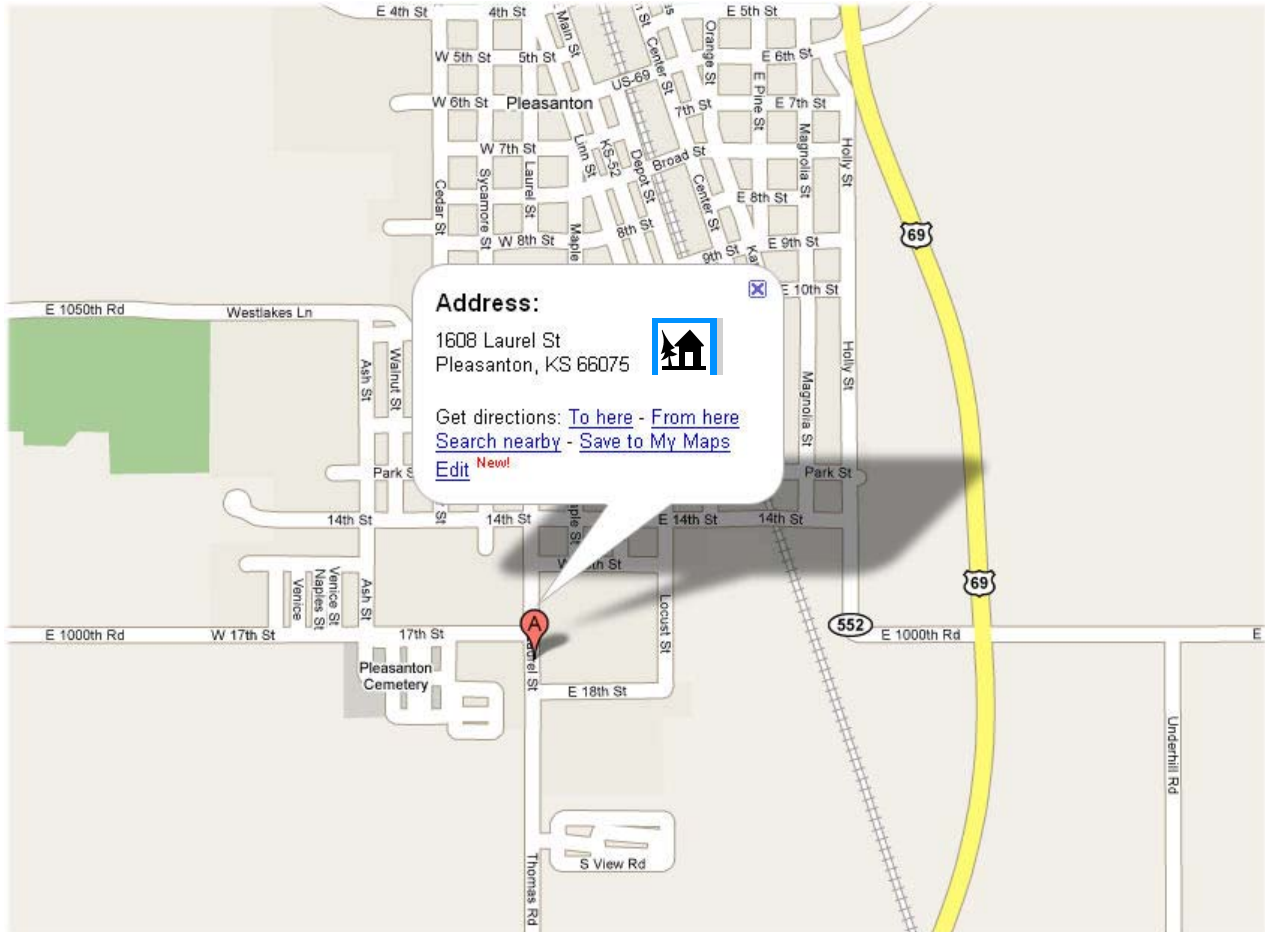
The test site is on US 69, Pleasanton, KS



Open House

Where: Pleasanton City Hall, 1608 Laurel Street, Pleasanton, Kansas 66075

When: Thursday, August 21, 2008 from 10:30 AM to 2:30 PM



Contact: Susan Parker 785-291-6665

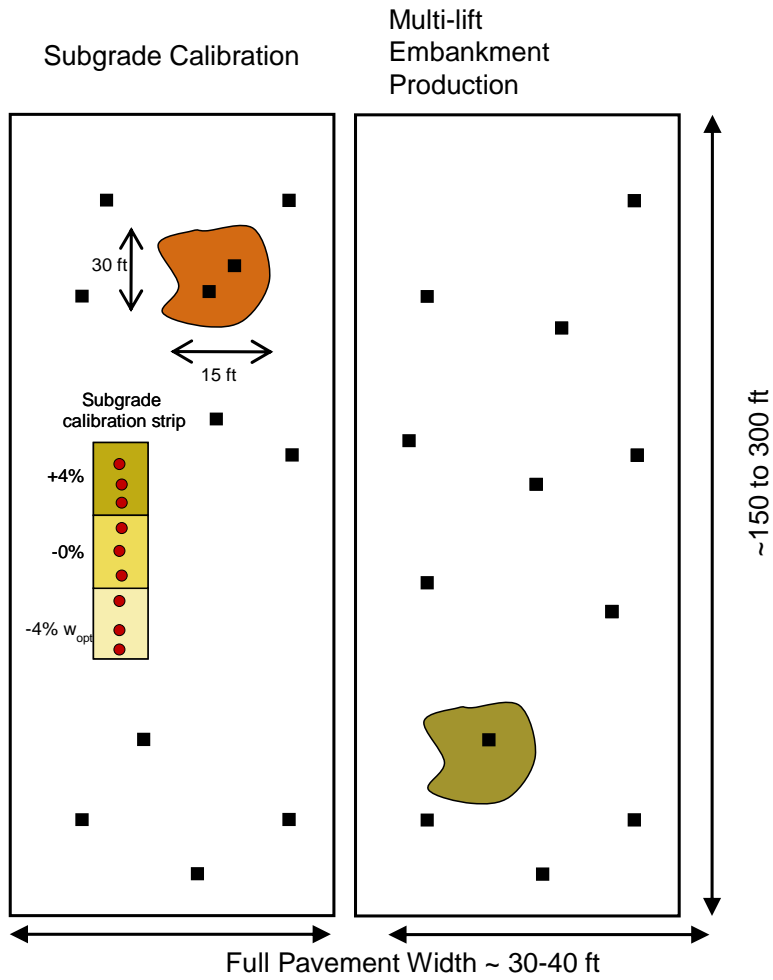
Safety

Hard hat, steel-toe boots and safety vest are required. Safety goggles are optional.

Daily Schedule and Check List – US 69

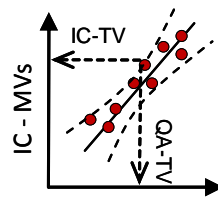
Date	Tasks	Detailed Activities
Fri./Sat., Aug 15/16		(Sakai/Cat) Ship IC rollers to the US 69 field lab site.
Sun., Aug 17	Setup rollers	(ISU) Set up the ISU mobile lab, IC machine(s) and GPS base station system. (Sakai/Cat) Conduct trial runs to verify the machine is operating and communicating with the GPS base station. (All) Meet at the field lab at 6:30PM for a field site tour.
Mon., Aug 18 (Day 1)	Training & Calibration/ Production/ Mapping	(All) Meet at the field lab at 8:00AM for a project briefing. (Research Team/Sakai/Cat) Initial training of KSDOT and contractor personnel in machine operations, data collection, data management, and in-situ testing strategies. (Contractor) Prepare test bed #1. (Research Team/ISU) Calibration, production and mapping rolling with the pad foot IC rollers. (Research Team/ISU/KSDOT) A variety of in-situ testing measurements. (All) Meet at the field lab at 3:00PM for a project briefing.
Tue. Aug 19 (Day 2)	Calibration/ Production/ Mapping	(Contractor) Prepare test bed #2. (Research Team) Production and mapping rolling with the pad foot rollers. (Research Team/ISU/KSDOT) A variety of in-situ testing measurements. (All) Meet at the field lab at 3:00PM for a project briefing.
Wed. Aug 20 (Day 3)	Production/ Mapping	(Research Team/Sakai/Cat) Calibration, production and mapping rolling with the pad foot rollers. (Research Team/ISU/KSDOT) A variety of in-situ testing measurements. (All) Meet at the field lab at 3:00PM for a project briefing.
Thu. Aug 21 (Day 4)	Production/ Mapping/ Open House	(Research Team/Sakai/Cat) Calibration, production and mapping rolling with the pad foot rollers. (Research Team/ISU/KSDOT) A variety of in-situ testing measurements. (Research Team) Analyze and report the IC and in-situ results, generating a preliminary report and presentation of results. (KSDOT) Conduct an Open House to discuss the results and lessons learned followed by a field tour between 10:30AM and 2:30PM.
Fri. Aug 22 (Day 5)	Production/ Mapping/	(Research Team/ISU) Wrap up.

IC Test Beds for US 69



- Calibration tests
- Production testing (QA)

Area of calibration strips selected based on pass 1 IC-Map



γ_d & E_{LWD}

Regression Analysis on Calibration Test Strip Data

Test Schedule and Settings

* This schedule is subject to change – contact the research team on site

Date	TB	Strip	Machine	Amp (mm)	Spot Tests	Notes/Comments
08/17	Meet at US 69 field lab 6:30pm. ISU mobile lab move to project site.					
08/18	1	Calibration/ Mapping	Sakai (pad)	0.85, 1.9	DCP, LWD, NG, ST, PLT	30' X 150' test strip (see Note A and B). 12 passes. Mapping with changes in machine operations.
08/19	2	Calibration/ Mapping	Cat (pad)	Static, 0.85, 1.85	DCP, LWD, NG, ST, PLT	30' X 150' test strip (see Note A and B). 12 passes. Mapping with changes in machine operations.
08/20 – 08/22	3/4	Production/ Mapping	Sakai (pad)	0.85, 1.9	DCP, LWD, NG, ST, PLT	30 ft x up to 300 ft with multi-lift compaction (~ 3 to 6 lifts). ~ 8 passes per lift. Acceptance according to KDOT criteria. Mapping at different roller operations.
			Cat (pad)	Static, 0.85, 1.85	DCP, LWD, NG, ST, PLT	30 ft x up to 300 ft with multi-lift compaction (~ 3 to 6 lifts). ~ 8 passes per lift. Acceptance according to KDOT criteria. Mapping at different roller operations.
8/21	Open House (10:30AM – 2:30PM)					
8/22	AM: Wrap up, PM: ISU mobile lab departs.					

Notes:

A. Moisture condition calibration test strip with 50' sections of -4%, 0%, and +4% of optimum moisture content. Moisture condition the production area per project QC requirements. Need water truck and mixer/reclaimer for moisture conditioning and soil mixing.

B. Perform roller repeatability passes.

In-Situ Testings

ISU Geotechnical lab

- Light Weight Deflectometers (LWD)
- Dynamic Cone Penetrometers (DCP)
- Nuclear density Gauge (NG)
- static/repetitive Plate Load Test(PLT)

All test locations will accompany with survey grade GPS location data. The above tests would take approximately one-hour. It's recommended for all non-ISU lab tests to test at the same locations as the ISU ones.

ISU lab will also set up a GPS base station and provide 3 roller operators.

KSDOT and project inspecting

- Falling Weight Deflectometer (FWD)
- Nuclear density Gauge (NG)