

# Meeting Minutes: TPF-5 (334) Veta Enhancements & Technology Exchange (Meeting No. 5)

Date: 05/04/17

Minutes prepared by: Rebecca Embacher

Location: WebEx

#### **Attendance**

#### **Pooled Fund State Contacts:**

Participated	State	State Contact
$\boxtimes$	Alaska	Richard Giessel
$\boxtimes$	California	Ebi Fini
	California	Chuck Suszko
$\boxtimes$	Connecticut	Dave Howley
$\boxtimes$	Georgia	John Martin
$\boxtimes$	Maine	Ulrich Amoussou-Guenou
$\boxtimes$	Maine	Dale Peabody
	Maine	Casey Nash
$\boxtimes$	Minnesota	Rebecca Embacher
$\boxtimes$	Minnesota	Curt Turgeon
	Mississippi	Alex Middleton
$\boxtimes$	Missouri	Bill Stone
	Missouri	Dan Oesch
	New York	Zoeb Zavery
$\boxtimes$	Oregon	Chris Harris
$\boxtimes$	Oregon	Larry Illg
$\boxtimes$	Oregon	Mike Stennett
$\boxtimes$	Pennsylvania	Dan Clark
	Pennsylvania	Sheri Little
	Tennessee	Matt Chandler (non-voting member)
	Texas	Jimmy Si (non-voting member)

#### FHWA:

Participated	Contact
	Michael Arasteh
	Steven Cooper
	Richard Duval
	Kevin Kliethermes
	Antonio Nieves

#### The Transtec Group:

	Participated	Contact	
I	$\boxtimes$	George Chang	
	$\boxtimes$	Jason Dick	

#### **Decisions Made**

 Replace tasks D-01 (Spot tests manager [add/remove/change test types, define units, include specification requirements, and define legend for spot test values]) and B-01 (Display multiple maps on the same screen and a mini overview map) with the feature to allow for direct data transfer from TopCon SiteLink3D directly into Veta.

#### **Action items**

- J. Dick | work with TopCon to allow for direct data transfer from SiteLink3D directly into Veta.
- Embacher | Send travel procedure and details to participants traveling to next pooled fund meeting and to the IICTG workshop.
- Embacher and J. Dick | Update wish list items and send out to pooled fund participants.
- All | Review wish list and rank items from highest to lowest priority. Items to be compiled and reviewed at next pooled fund meeting for determination of final tasks to move forward in Phase II.

#### Agenda

- FHWA Updates
- Pooled Fund Budget | Phase 1 Contract
- TopCon Direct data transfer to Veta
- Standardized Data Format
- IICTG Workshop and Pooled Fund Meeting
- Other Topics

#### **Next Meeting**

Date: July 27, 2017

Time: 10AM-12PM Central Standard Time

Location: WebEx

Agenda items: IICTG Workshop & Pooled Fund Meting in September; Phase I Contract Update; Phase II Scope of

Work; Updates.

#### **Meeting Notes**

#### **FHWA Update**

None provided. FHWA representation unable to be provided.

#### Pooled Fund Budget, Phase I & Phase II

See attached Slides.

Nine states currently participating. Alaska is currently a non-voting member, but hoping to join pooled fund.

\$347,500 has currently been received to date. Phase I contract has a \$170,000 budget with an expiration date of 2/14/18.

Discussed work currently completed on phase I tasks.

Enough money to add an amendment to the current contract with an addition to the scope of work.

Current wish list will be sent out to folks to review and rank priorities prior to summer meeting.

#### **TopCon System**

See attached slides.

Discussed moving forward with creating coding to allow for direct import of TopCon data directly into Veta and droping the following two tasks from phase I scope of work to allow for this enhancement: task **D-01** (Spot tests manager [add/remove/change test types, define units, include specification requirements, and define legend for spot test values]) and task **B-01** (Display multiple maps on the same screen and a mini overview map).

#### Standardized Data Form

See attached slides.

Discussed the need for data standardization of vendor file formats. Pooled fund participants agreed that this is an important issue.

Discussed options on how to best proceed to address this issue and the compatibility needs for Veta.

Discussed need requested by Vendors for states to standardize naming conventions used for paving / compaction areas. This would help with automation efforts and allow the ability to vendors to add features to their systems to decrease complexity for their customers.

#### **IICTG Workshop**

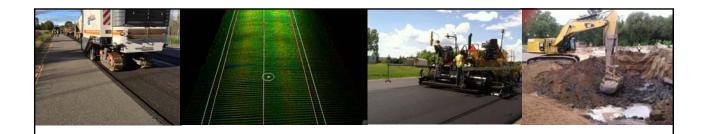
See attached slides.

Discussed workshop details and draft agenda.

Discussed pooled fund meeting location, hotel arrangements, meals, local travel, expense reporting and travel arrangements.

#### **Other Updates**

None, due to time constraints.



## TPF-5 (334) WebEx Meeting #5

Rebecca Embacher | Advanced Materials and Technology Engineer

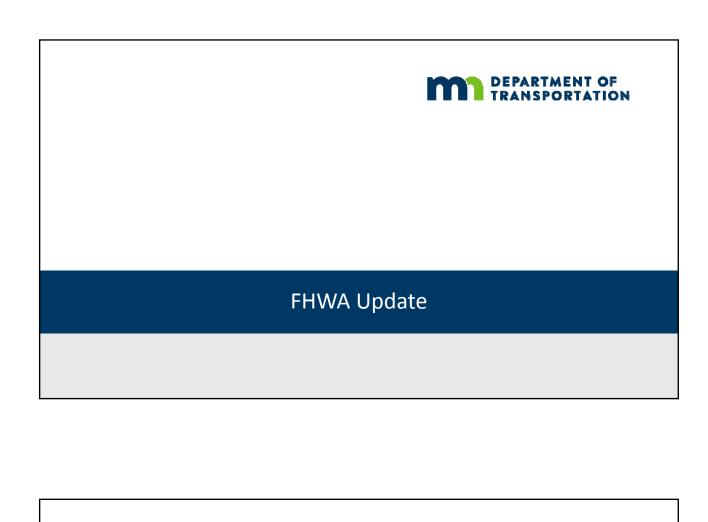
May 4, 2017 | TPF-5 (334) WebEx Meeting



AMT Website | http://www.dot.state.mn.us/materials/amt/index.html

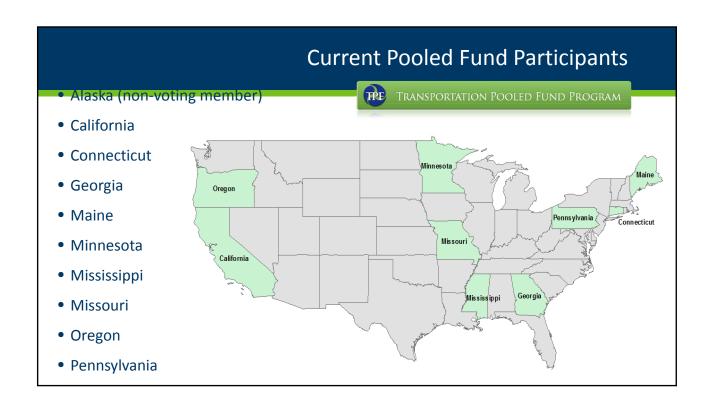
## Meeting Agenda

- FHWA Updates
- Pooled Fund Budget | Phase I Contract
- TopCon direct data transfer to Veta
- Standardized Data Format
- IICTG Workshop and pooled fund meeting
- Other topics?





Pooled Fund Budget, Phase I & Phase II



State	3-Yr Commitment	Received	Date Received	Budget Summary
California	\$75,000	\$25,000 \$25,000	3/21/16 1/10/17	
Connecticut	\$30,000	\$10,000 \$10,000	6/6/16 2/27/17	Total Commitments per Pooled Fund Site: \$592,500
Georgia	\$75,000	\$25,000	2/27/17	Total Received to date:
Maine	\$52,500	\$17,500	2/27/17	\$347,500
Minnesota	\$100,000	\$50,000 \$50,000	2/10/16 2/13/17	Phase I Contract \$170,000
Mississippi	\$50,000	\$25,000	2/27/17	<u>Total Expenditures to Date</u>
Missouri	\$75,000	\$25,000 \$25,000	3/21/16 2/27/17	\$6,532.95  Phase II Contract (Available Money)
Oregon	\$75,000	\$25,000	1/10/17	\$177,500 Minus travel expenses (reserve ~\$20,000)
Pennsylvania	\$60,000	\$10,000 \$25,000	2/10/16 8/30/16	→ ~\$157,000

### Veta Phase I Contract Update

Phase I Contract Executed: February 14, 2017

• Contract Expiration Date: February 28, 2018

• Current Contract Amount: \$170,000

### Phase I: Scope of Work

- A.1 **Reporting [F-06]: Customized reports** (select which items to report, include logos, signatures, etc.).
- A.2 **Data Management [A-11]:** Automatic download of field data from Trimble and Moba (other vendors are not ready or have not provided needed information). **Includes architecture improvements to enhance performance.**
- A.3 **Filtering [C-02]:** Allow user to create location filter by entering offsets from a given line in the alignment file (e.g., 12 ft right of centerline (CL), 12 ft left of CL, etc.) and select which lines to use to trim data.
- A.4 **Analyses [E-09]:** Option to choose what to analyze (final coverage, all passes, individual passes; temperature, ICMV, frequency, etc).

## Phase I: Scope of Work (cont.)

- A.5 **Spot Tests [D-01]:** Spot tests manager (add/remove/change test types, define units, include specification requirements, and define legend for spot test values).
- A.6 **Mapping [B-01]:** Display multiple maps on the same screen and a mini overview map. (Requires task A-11).
- A.7 **Data Management [A-12]**: Recalculate pass counts when using All Passes data from multiple machines.
- A.8 Mapping [MnDOT Phase 7]: Add map-based, user-accessible data (map clicks can show underlying data (IC, PAVE-IR, ProVAL, Test Roller).

### Phase I: Scope of Work (cont.)

- A.9 **Analyses [MnDOT Phase 7]:** Tabular listing of paver stops (include stop and start time stamp and duration of paver stop)
- A.10 Analyses [MnDOT Phase 7]: Quality Control Chart (e.g., Box Whisker of temperature vs. time, temperature vs. pass count, temperature vs. speed, pass count vs. time, pass count vs. speed, speed vs. time, speed vs. amplitude, speed vs. frequency, etc.)
- A.11 **Reporting [MnDOT Phase 7]:** Tabular listing of filter and operation/data filters query settings (sensors included, temps used, date, file, etc.) This information can be used by agency to simply QA review of submitted Veta projects.
- A.12 Bug Repairs

### Phase II: Contract Amendment

- Amendment
  - Scope of Work (~\$157,000)
  - Additional Time
- Action Items
  - Send out Current Wish List
  - Pool Fund
    - 1. Review existing list
    - 2. Update with additional items
    - 3. Send out list again for prioritization
    - 4. Compile priorities
    - 5. WebEx Meeting (prior to June 30, 2017)



## **TopCon System**

## Data Transfer Directly to Veta

- TopCon no longer updating current version of SiteLink report issue cannot be addressed at this time
- Cost Effective Solution for TopCon Direct Data Transfer to Veta
  - This is now ready from TopCon Side, but not Veta!



## **TopCon Report Generation**

- Rollers are not carried through with each row of data.
  - Export reports per roller.
- Reports duplicate upon generation (re-export).
- A large amount of inputs to generate a report (large room for human error)
- For example: (assuming multiple days in one report cumulative files)
  - 10-lane divided highway
  - 2-lifts
  - 5 Rollers
  - Number of Reports =  $10 \times 2 \times 5 = 100$  reports to manually create and generate

## Proposed Tasks to Move to Phase II

#### Recommend

- Move 2 Phase I tasks to Phase II to address this need. (\$30,000)
- Negotiating with TopCon to waive \$5,000 annual fees for licensing T2P (George)

Spot Tests D-01	Spot tests manager (add/remove/change test types, define units, include specification requirements, and define legend for spot test values)	\$ 20,073.32
Mapping B-01	Display multiple maps on the same screen and a mini overview map. (Requires task A-11).	\$ 21,330.04



## Standardized Data Format

## History

- Industry Meeting (September 2015)
  - Discussed Options: Participate in pooled fund or create a partnership
    - Agreed not to work together (2 hours of private deliberation)
  - Work privately
    - Vendors Pay for Import Wizards, etc.
    - Pooled Fund Pay for changes needed in Veta for requests made by pooled fund (e.g., direct data transfer)

### **Current Discussions**

- Complaining about costs associated for imports with new systems
- Paid for Import Wizards
  - ...

## How should we proceed?

- Continue as is . . .
- Standardized Data Format
  - Develop standardized format
    - ~\$83,400 for IC and PMTP standardized format
  - Vendor Options
    - Free follow standardized format
    - Fee Use of non-standard format
    - Grandfathered Support for existing systems that are already Veta compatible
  - Not able to implement in Veta until 2019; Vendor Timelines?

## Request from Vendors

- Standardize Naming Conventions for paving / compaction areas
- Vendors want to add features to systems
  - Streamline / assist with standardized naming conventions
  - Decrease complexity for their customers through increased automation
- For example: Minnesota Uses

ROUTE-MATL-L#-XXX-XXX



## IICTG Workshop / Pooled Fund Meeting



TUESDAY, SEPTEMBER 26		
08:00 AM - 12:00 PM	IC-TP ETG Meeting	IICTG 2017 Agenda
01:00 PM - 05:00 PM	Vendors Setup; ICDM/Veta Workshop	nero zori Agenda
06:00 PM - 08:00 PM	Ice Breaker Reception	
WEDNESDAY, SEPTEMBER	27	
07:00 AM - 08:00 AM	Breakfast/Vendor Exhibits	
08:00 AM - 09:30 AM	Session 1 - Welcome and Keynotes Speeches	
09:30 AM - 10:00 AM	Break/Vendor Exhibits	
10:00 AM - 12:00 PM	Session 2 - Keynotes Speeches	
12:00 PM - 01:00 PM	Lunch/Vendor Exhibits	
01:00 PM - 02:30 PM	Session 3 - ICT Research I	
02:30 PM - 03:00 PM	Break/Vendor Exhibits	
03:00 PM - 05:00 PM	Session 4 - ICT Research II	
05:00 PM - 06:00 PM	IICTG Open Business Meeting	
06:30 PM - 09:00 PM	Banquet	
THURSDAY, SEPTEMBER 2	8	
07:00 AM - 08:00 AM	Breakfast/Vendor Exhibits	
08:00 AM - 09:30 AM	Session 5 - CIM Workshop	
09:30 AM - 10:00 AM	Break/Vendor Exhibits	
10:00 AM - 12:00 PM	Session 6 – ICT Solutions	
12:00 PM - 01:00 PM	Lunch/Vendor Exhibits	
01:00 PM - 02:30 PM	Session 7 - ICT Case Studies	
02:30 PM - 03:00 PM	Break	
03:00 PM - 05:00 PM	Session 8 - Open Panel Discussion on ICT Implementation	
05:00 PM - 05:30 PM	Closing, 2019 meeting, and Farewell	

## Action Items Pooled Fund Meeting

- Pooled Fund Meeting (in-person and WebEx)
  - Monday (Full or Half-Day Working Meeting?)
    - (Tuesday AM: ETG Meeting; PM: IC workshop)
  - Location:
    - The Depot (Monday would it cost an additional feel to us to reserve a room)?
    - MnDOT Office of Materials and Road Research Maplewood
  - Meeting Meal
    - On our Own? Or,
    - Pooled fund will setup meal for us
      - 1 month advanced notice needed
      - DBE Targeted Venues

Finalize Meeting Agenda: June 30, 2017

## Action Item Pooled Fund Meeting

#### (George)

- Industry (ETG meeting) will be in MN for IICTG
- Open meeting to industry?
  - Entire Meeting or second half of meeting?
  - Have industry meeting immediately following pooled fund meeting?

## Action Items IICTG Travel Expenses

- Final Listing of Names of Individuals Traveling
  - Signed/Approval (pooled fund : out–of–state travel request)
  - Purchase Order (MnDOT) Registrations for IICTG
- Estimated Travel Expenses
  - Use to assist with available funds to reserve for travel vs. Phase II Veta enhancements
- Flights
  - Each individual will work directly with MnDOT Aeronautics Dept. who will book flights
  - Aeronautics dept. will contact names on approved out-of-state travel request listing

## Action Items IICTG Travel Expenses

- Remaining Expenses (e.g., hotel, parking, food, other travel modes)
  - Reimbursed through MnDOT (use MnDOT Expense Form)
  - Faster Reimbursement if W9 filled out in advance



## **Other Updates**



## Thank you again!



#### **Rebecca Embacher**

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AMT Website | http://www.dot.state.mn.us/materials/amt/index.html