

Chat Transcript TRB ABG20 Webinar July 1, 2015:  
How Mobile Technologies Impact the Transportation Workforce

Emily Parkany: Thank you for joining!! We'll get started in a minute.

Katina Lear: Thank you Emily

Diana Long 2: some people can be heard. Mute please

Ellis Holder: yes we can hear you

Tom Tatem: \*6 will mute most phones

Emily Parkany: Please use the chat box (here) for questions. We'll answer questions as time allows after each presentation and additional Qs at the end.

David Esse: What system are you using for eSignatures? DocuSign? Adobe?

Kim Persons: VTrans uses E-SignLive for e-signatures.

Victoria Beale: You can mute EVERYONE on the call by having the host press \*5. If you do this, the presenters will have to then unmute themselves by pressing \*6 on their lines to be heard by everyone.

Natalie Villwock-Witte: What kind of staff do you have to have to develop these applications in-house? What are the challenges of having these staff?

David Stevens: Will a recording of this webinar be available?

Natalie Villwock-Witte: How long and how many iterations were there of the web applications?

Karen Byram: Does your Department provide the devices? What is your Department policy on using your personal device?

Emily Parkany: Yes, a recording will be available at <https://bit.ly/trbmobiletechwebinar>.

Natalie Villwock-Witte: Did you find different levels of acceptance based on the age of employees?

Kenneth Hauser: Mississippi DOT uses InspectTech for Bridge Inspections

Natalie Villwock-Witte: Is anyone else having problems with the speaker going in and out?

David Esse: All good in WI

Emily Parkany: The sound is good here.

Kim Persons: Good and clear in Vermont

Katina Lear: Was the Citizen Reporter App created by in-house folks?

Kenneth Hauser: all clear in Mississippi

Alexa Mitchell: how do you validate the input received?

Ellis Holder: Sounds good in Indiana

Natalie Villwock-Witte: What are the legal concerns with having the click 'n fix app and the use of it while driving?

Gabe Dadi: Re: Click N Fix... Does the reporter get feedback on how their submission is processed?

Katina Lear: Do you have specific uses for each app? Do they ever overlap?

Katina Lear: What sorts of development team do you have creating these? How many folks?

Chris Gilbertson: Is reporting limited to state routes or also local agency routes?

David Esse 2: Cost

Linnea Myers: does your citizen reporter app allow for pics to be submitted?

Steve Thomas 2: Katina, This is Steve. Most apps can be developed by one or two

Chat Transcript TRB ABG20 Webinar July 1, 2015:  
How Mobile Technologies Impact the Transportation Workforce

people if they used Visual Basic

Joshua Whitaker: Cost and resources are barriers.

David Ooten: Consolidated IT model restricts direct action that DOT can pursue.

Mathew Calkins: No support from IT

Steve Thomas 2: Are the apps developed using visual basic?

Diana Long 2: Internet policies in place that block WV DOT employees from accessing many websites.

Bobby Vaughn: Mobile Technology changes faster than development can keep up given staffing

Katina Lear: Lack of support from IT

Jerry Zogg: Having difficulty hearing

Steve Thomas 2: Bobby if we use visual basic to develop Apps, we can rapidly develop apps and when we need to change, we can reuse some of the code

Steve Thomas 2: Thus allowing rapid development of apps

Bobby Vaughn: Thanks, Steve

Steve Thomas 2: Does the mobile tech changing app have some type of database on the mobile device.

Bobby Vaughn: Was training and tech writers brought in early in development. This is very important and often overlooked.

Mark Chaput - Michigan DOT: MDOT has found using web accessible Apps effective vs a DB on the App itself.

Bobby Vaughn: Commute Warrior looks nice, clean.

Katina Lear: What uses do you see for the Commute Warrior App and the commute journal?

Bobby Vaughn: Ride Share for example?

Michael Jenkins: Indiana DOT is looking to STD on IndexedDB for mobile apps that need a DB, because of memory issues and data storage via browser.

Bobby Vaughn: Would like to see application for mLearning

Michael Jenkins: We do everything in the field in construction via HTML5, so we can be device independent.

Steve Thomas 2: MJ, you are correct because cellular may not be available everywhere, so the user needs to have access to information

Ann Gretter: The newer Adobe Presenter and Connect versions have the ability to be adapted easily to mobile learning.

Kenneth Hauser: Yes, I have heard HTML5 is the way to go.

Bobby Vaughn: It is the RE-Purposing of content to HTML5 that is the challenge, swfs for example.

Steve Thomas 2: In Ga, we have rural areas where we may not have the best cell connection, so I can see a use for allowing the user to

David Esse 2: We have utilized signal boosters in remote areas... vehicle mounted systems similar to what our State Patrol uses.

David Esse 2: That is in WI

Steve Thomas 2: Thanks, that is another option

David Esse 2: Not the cheapest thing, but they are very stable and work well

Bobby Vaughn: What do you see implications of Cloud-based applications in the long term say 5 years?

Chat Transcript TRB ABG20 Webinar July 1, 2015:  
How Mobile Technologies Impact the Transportation Workforce

Steve Thomas 2: The cloud is taking over. Most of the network equipment allows you to manage them through the cloud

Bobby Vaughn: I suppose there are security risks, such as the sensitive data on bridges and other infrastructure.

Natalie Villwock-Witte: What kind of training have entities deployed to train their current workforce? What challenges have they encountered?

Kenneth Hauser: Thanks for the Downloads!

Bobby Vaughn: xAPI is something I am looking into for tracking learning experience, that requires an LRS

Mark Chaput - Michigan DOT: At MDOT our IT Dept has discouraged Cloud access due to security concerns. We are hosting servers and controlling external access.

Steve Thomas 2: Mark, quite a few companies are not using Active Directory, so the cloud because an extension of your network. The same policy you apply at MDOT, you can apply to the cloud.

Bobby Vaughn: Great webinar! Thanks for the invite!

Michael Jenkins: INDOT maintain our own internal Cloud, via our state IT via Syncplicity

Susan Soucie: Can I please get a copy of the SCDOT presentation?

Chris McCurry 2: Downloadable at: <http://www.cts.virginia.edu/materials-from-july-1-trb-abg20-webinar-how-mobile-technologies-impact-the-transportation-workforce/>

Chris McCurry 2: Chris McCurry [mccurryca@scdot.org](mailto:mccurryca@scdot.org)

Kim Persons: Vermont passed a law, promoted "Phones Down, Heads UP" that was effective October 1, 2014 - "Using a handheld cell phone while driving in Vermont is illegal,"

Kenneth Hauser: Texting while driving is against the Law in Mississippi as of July 1 (today)

David Esse 2: WisDOT is piloting and deploying SP3 as potential replacement devices for mid level laptops. No 4G capability is a frustrating, but overall decent device

Veronica Murphy: Any of the state DOTs using iPads?

Emily Parkany: Thank you everyone! The recording will be available by next week.

Katina Lear: we have been seeing a tremendous uptick in distracted driving fatalities ... we have started a year long campaign in the hopes of bringing the numbers down

David Esse 2: WisDOT has a BYOD policy, but very few users due to risk of personal devices being imaged for open records and we are not enabled to provide a stipend.

Natalie Villwock-Witte: Katina - what state are you with?

Katina Lear: Georgia DOT

David Esse 2: Veronica... WisDOT is using iPads and MS tablets... the approach is based on user needs and available apps

Michael Jenkins: The major issue is the size of the application. Two different mobile apps need to be evaluated; 1. Data entry and collection into legacy systems (i.e. SiteManage, AgileAssess) HTML5..... 2. Inter agency application that needs to house data from many outside agency and systems (i.e. Damage to State Property)

Chat Transcript TRB ABG20 Webinar July 1, 2015:  
How Mobile Technologies Impact the Transportation Workforce

PhoneGAP.... For (1.) 2 FTE here at INDOT, for (2.) Can be 2-3 full-time developer and sometime a consultant. For type (1.) 1-2 months turnaround and type (2.) 2-10 months.

Natalie Villwock-Witte:Generational differences in use of this technology?

Mark Chaput - Michigan [DOT:chaputm@michigan.gov](mailto:DOT:chaputm@michigan.gov)

Chris McCurry 2:Veronica, SCDOT's Maintenance office uses iPads exclusively right now.

Mike Sprayberry:In Florida we tried iPad/other type devices in field to replace carrying big ol' sets of plans and contract scope. But users reported too small to see well, outside light hurts visibility, and learning curve was quite a negative.

Veronica Murphy:David I would love to talk to you. May I call you?

David Esse 2:Absolutely...[608-261-6068](tel:608-261-6068)

Veronica Murphy:Chris can I get your contact info?

Chris McCurry 2:[mccurryca@scdot.org](mailto:mccurryca@scdot.org)

Ellis Holder:INDOT is currently using iPads

Veronica Murphy:Awesome! I will be reaching out

Kim Persons:Thank you - great information and great discussions.

Katina Lear:Thank you everyone!

David Esse 2:Great presentations everyone!

Ann Gretter:Great job!

Michael Jenkins:iAPD's for 3 years now.

Glenn McRae:Emily can we collect all the chat data

Kim Persons:would like to participate in October.

Emily Parkany:Yes, I will capture the chat data and include it on our website.

Bobby Vaughn:Thanks,again all!

Katina Lear:thanks again everyone! very informative...

Emily Parkany:Kim--please email me (anyone who would like to participate in September) with your contact info.

Kim Persons::( Meant September. [kim.persons@state.vt.us](mailto:kim.persons@state.vt.us) thanks.

David Esse 2:[david.esse@dot.wi.gov](mailto:david.esse@dot.wi.gov)