Meeting Notes

Change Management Board

August 17, 2016 – 1:30 to 4:30 p.m.

Version 1.0 - Draft

Prepared for:
Florida Department of Transportation
Traffic Engineering and Operations Office
Transportation Systems Management and Operations Program
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List of Acronyms and Abbreviations

ACL .... Access Control List

APL .... Approved Product List

ATC .... Advanced Traffic Controller

ATMS .... Advanced Traffic Management System

ATIS .... Advanced Traveler Information System

C2C .... Center-to-Center

CBT .... Computer Based Training

CCTV .... Closed Circuit Television

CFX .... Central Florida Expressway Authority

CMB .... Change Management Board

CO .... Central Office

ConOps .... Concept of Operations

CoT .... City of Tallahassee

DMS .... Dynamic Message Sign

DRIP .... Divergent Route Implementation Plan

D1 .... FDOT District 1

D2 .... FDOT District 2

D3 .... FDOT District 3

D4 .... FDOT District 4

D5 .... FDOT District 5

D6 .... FDOT District 6

D7 .... FDOT District 7

FDOT .... Florida Department of Transportation

FHWA .... Federal Highway Administration

FL .... Florida

FTE .... Florida's Turnpike Enterprise

HAR .... Highway Advisory Radio

HD .... High Definition

IE .... Internet Explorer

IP .... Internet Protocol

ITS .... Intelligent Transportation Systems

IV & V .... Independent Verification and Validation

LAP .... Local Agency Program

MDX .... Miami-Dade Expressway Authority

MLS .... Managed Lanes System

NTCIP .... National Transportation Communications for ITS Protocol

ONVIF .... Open Network Video Interface Forum

PTZ .... Pan-Tilt-Zoom

RITIS .... Regional Integrated Transportation Information System

RPG .... Response Plan Generator

RWIS .... Road Weather Information Subsystem

SE .... Systems Engineering

SSUG .... SunGuide® Software Users Group

SQL .... Structured Query Language

SR .... State Road

SwRI .... Southwest Research Institute®

TCP .... Transmission Control Protocol

TERL .... Traffic Engineering Research Laboratory

TMC .... Traffic Management Center

TP .... FDOT Turnpike

TSM&O .... Transportation Systems Management and Operations

TSS .... Transportation Sensor Subsystem

TxDOT .... Texas Department of Transportation

UMD .... University of Maryland

VOD .... Video on Desktop

WAN .... Wide Area Network

WB .... Westbound

XML .... Extensible Markup Language

Florida Department of Transportation
CHANGE MANAGEMENT BOARD MEETING NOTES
Thursday, August 17, 2016
1:30 to 4:30 P.M
Rhyne Building, 330 Conference Room, Tallahassee, Florida

Attendees:

Russell Allen, CO	Jessica Renfrow, D2	Mark Laird, D6
Derek Vollmer, CO	Ryan Crist, D2	Joe Snyder, D6
Randy Pierce, CO	Matt Harbert, D2	Chester Chandler, D7
Frank Deasy, CO	Craig Carnes, D2	Eric Gordin, FTE
John Glowczewski, CO	Lee Smith, D3	John Hope, CFX
Steve Bahler, CO	Wayne Bryan, CoT	Bryan Homayouni, CFX
Rakesh Sharma, CO	John McFadden, CoT	Tucker Brown, SwRI
Jennifer Rich, CO	Dong Chen, D4	Steve Novosad, HNTB
Francis Ijeoma, CO	Jeremy Dilmore, D5	Joe Cooper, CO/OIT
Mark Dunthorn, CO	Jim Stroz, D5	
Robbie Brown, D1	Tushar Patel, D5	
Justin Merritt, D1	Shannon Watterson, D5	
DeeDee Johnson, D2	Javier Rodriguez, D6	
Pete Vega, D2	Alex Motta, D6	
Jason Sumerfield, D2	Rodney Carrero-Vila, D6	

Purpose: The purpose of this meeting is to review and vote on statewide issues and requirements, and review footprint issues.

Welcome and Charter Review: CMB Chairman D. Vollmer opened the meeting at 1:33 p.m.

Call for Quorum and Review of Agenda: A quorum was established. D. Vollmer briefly reviewed the meeting agenda and voting items.

Previous Meeting Recap and Action Item Review
1. CO to look into getting C2C connection data into RITIS (open Action).
   - Last time it was a licensing issue and UMD is working to get the BlueToad probe links to the HERE/TMC code set before they can put it on the site.
2. CO to look into including arterial detectors feeding into the ramp-metering algorithm (open action).
   - We will look into ramp items soon, especially potentially a new ramp-metering spec.

AGENDA ITEMS

ITS WAN Update- John Glowczewski with CO presented slides on the ITS WAN Update.

- **District IP Multicast Reallocation Effort**- John G. All districts are working towards that goal. We have made progress with D1 and D7. Working directly with Brocade in D1 to facilitate that configuration and stabilize those connections.
- **Tallahassee Fiber Ring-** has been installed for some time, we are looking to finalize the configuration late September and will complete the project.
- **D5 RTMC Relocation/Turkey Lake**- big project for the ITS WAN team because we have to relocate our equipment and network interface to District 5 to the new TMC location. In that project we are also adding a second site over at the Turnpike Turkey Lake facility and looking at all assets in the area and looking to upgrade fiber as well as microwave equipment in order to facilitate all of the network requirements that are being added by the relocation of the D5 RTMC. Along with that there are a lot of different fiber projects and fiber allocation that needs to be done. We are in communication with the Turnpike and District 5 in order to accommodate that. Due to the D5 TMC relocation project, other projects are being put on the back burner, specifically, the D5 to D7 Backbone Upgrade.
- **ITS WAN - D5 to D7 Backbone Upgrade**- We are trying to squeeze this into the D5 relocation project. However, it would add several more sites to incorporate into the project and we are looking to incorporate them. As it is we have approximately 13-15 sites that will be upgraded during that project and the I-95 Express project (also in D5). With those two projects, we are looking to move the D5 to D7 link into a separate project.
- **Middleware Application for Tolls**- On hold until after the Turkey Lake facility is upgraded.
- **D4 SE Fiber Project**- which is the Commercial WB to Turnpike fiber project is also on hold until we can allocate more resources.
- **FL Keys Microwave Project Update**- Was awarded to Century Link supporting a Nokia lucent microwave backbone. It will go up and down the keys with Metro Ethernet Services in order to bring video up to District 6 as well as a couple of Turnpike toll redundancy connections coming back into the Keys and then migrating North on the Metro Ethernet Service. Some fiber projects are required to make those connections and we are working with the appropriate teams to make it happen. It is a large project with over 53 sites; it will take place over a year before everything is up and running and installed.
  - Pete V. D2- Fiber connecting to D5 (St Johns County to Flagler County) should be ready for use in September.

SunGuide® Software Update

D. Vollmer with CO presented slides on the SunGuide® Software Update.

- **Status of Upgrades**- CoT, D7, D6, CFX, and D4 have all upgraded to 6.2. District 5 will tentatively be upgrading to 6.2 in the fall September/October. D1 is waiting on Microsoft SQL licenses because they want to transition from Oracle to SQL before upgrading to 6.2. District 2 and Turnpike have a test system in place for 6.2.
- **Hotfixes for 6.2**- We have a candidate hotfix that is for release 6.2. A long list of footprints are being addressed by this hotfix. No major issues being addressed.

- o **Jason Summerfield** is getting PTZ control of cameras and tours in this hotfix. It was initially going to go out in version 7.0 but got rolled into 6.2 as a hotfix and will release with 7.0
- o **Group of Reference Point Issues**- selection of reference points and what would be automatically selected or popped up in the dropdowns, names shown for offsets, those are all being addressed in this release.
- o **Travel time issues**- not computing with HERE data links which turned out to be an issue with the admin editor not saving the link type correctly.
- o **Wavetronics HD devices**- not all lanes updating on 20-second poll period, which will be fixed in this round. The affected Districts were given a quick fix. This hotfix will officially fix the issue.
- o **TSS Alerts-** being stuck not clearing.
- o **Time stamps**- not updating in the messaging window.

It would be best for you to go into the Footprint system to view all the issues in detail.

- **6.1 Hotfix Releases** – 10, 11, 12, 13 were released this week for an issue not being able to generate RWIS alerts.
    - o The root of issue dealt with the device names in the database only allowing a maximum of 30 characters. This limit has been changed to 50 characters.
    - o An operator map issue was reported by the TERL during their testing. The issue occurred mainly with the DMS Simulator. When they changed the type and dimension, the change was not reflected in the operator map unless you closed and reopened the operator map.
    - o Express lane templates not working correctly
    - o Wavetronics Driver Issue.
- **Hotfixes 14 and 15-** 14 is for a GovComm Microwave vehicle detection type of device. We also have the executive notification partial automation. Trigger for estimated duration was set to 3 hours needs to change or be configurable so that it can change to 1 hour and be flexible in case it changes in the future.

WAZE Phase 2 Update
D. Vollmer with CO presented slides on Waze Phase 2 Updates.
- D7 upgraded to 6.2 and using the phase 2 of Waze they have experienced a number of Waze alerts coming in, with their feedback we have further filtered out the alert types.
    - o Started filtering out vehicle stopped on shoulder, even with the reliability score of 10 we are receiving too many of those that weren't necessarily a vehicle in need.
    - o Filtering out debris on roadway, too hard to verify debris from cameras- could not verify it, often debris was removed or moved by the time road rangers got to the location.
    - o Alerts with no subtype- when someone creates their own alert and it times out on the user, it creates an alert with no subtype.
    - o Construction alerts didn't provide useful information; people reported construction when it was not active.

- o D6 Waze was turned on today for one roadway and we will turn on three more next week-
    - We noticed when with the report location, we turned on only SR 826 and we get reports for other roads. SR 826 is the closest radial location. Which it could be an issue with our reader using the shapefile's latitude and longitude. It looks like it is a Golden Glades issue- look into to see how we can resolve that.
  - o We are also getting multiple alerts for crashes that are associated for the same event. We want to minimize duplicate alerts. Please associate it to an event so we can filter through that data later.
  - o Dismiss with no action option- we have that for other alert types but did not include it for Waze. An example: CoT operates on I-10 but they want to see the Waze alerts on arterial roadways, the only way to dismiss is by a false alarm. From a statistical standpoint, this will skew the data so we want to put in "dismiss with no action" option for these alerts.
    - An option used in the incident management, we say "roadway not covered by Road Rangers" or "roadway not covered by TMC" might be another option instead of dismissing the alert.
    - The system currently supports putting in custom dismiss actions
    - No objections to adding a feature to handle dismiss with no action option
  - o Filtering not only by a roadway but by a segment of a roadway.
  - o Working on a solution for the TMC's that are not 24/7 this was specifically for D4 arterial deployment.
  - o Associating an alert, it changes the ownership of the event to the person that is doing the association. It seems to be an operation issue that we will need to find a solution for.
  - o Note for the future: the TERL will be moving to a new IP range, during set up we will configure it in a way that the Waze IP address is consistent in the future.

Action Item- Derek get with D6 on Waze Golden Glades issue. Add "dismiss with no action" to Waze.

Testing SunGuide
D. Vollmer with CO presented slides on Testing Sunguide.
- Early Testing - We would like to propose being able to provide the IV&V test version software to Districts with a test system, so they can test the software concurrently while we are doing the IV&V. CO would still be responsible for documenting the testing.. Districts would have access to an IV&V section of footprints during this time. Hopefully, we will be able to catch more issues before the software is released.
  - o Send Derek request to get the IV&V early deployment for testing
  - o M. Laird - Are there any changes between IV&V and software release?
  - o D. Vollmer - the changes are documented in the footprints. We will provide a second version of the software for retesting.
  - o M. Laird - as long as we know what the changes were between so we can focus our round two of testing.

- L. Smith - D3 working on post construction transition for rural ITS have a test server for Sunguide- 30-60 days to be upgraded to 6.2.

Action Item: Send Derek request to get the IV&V early deployment for testing.

Standalone Video Application
D. Vollmer with CO presented slides on Standalone Video Application.

- Standalone video application provided by SwRI- under testing but it is looking good. It does require that you have the SunGuide 6.2 in order to see the video stream and also requires it to be on the ITS WAN. We have successfully tested with D4, D6.
    - H264 video and IP cameras require Real Time Streaming Protocol (RTSP) to happen before the video decoding. In order for this to work over the ITS WAN Districts need to provide access through ACL and firewall for at least a TCP protocol on those devices on the port that they use for the RTSD messaging. The default for most devices is 554.
        - Some manufacturers might not use the default, if so you can find it in the string, i.e. RTSP://<lpAddress>:<port>/other stuff
    - If you have any outbound filters you need to allow multicast out.
    - We are currently troubleshooting RTSP streams with CoT.
        - Derek will send Craig the ConOps or documentation for this. Quick solution to get information to state operations center. View only.
    - Go ahead and start making configuration changes to SunGuide 6.2 to allow the remote stream

Action Item: Derek send Craig the ConOps.

JIRA-
D. Vollmer with CO presented slides on JIRA.

- Switch from Footprints to JIRA- It would have the same look and feel as Footprints. We did not get any objections to switching but ran into an invoice reporting issue. Once that is corrected, we will make the switch.
    - Russell A.- the new 511 system is using JIRA as well for the ticketing.
- All Footprints will transition and the Footprint numbers will remain the same.

Enhancements-
D. Vollmer with CO presented slides on Enhancements.

- D. Vollmer- I sent out an email asking for a prioritized list of enhancements from the Districts and have received lists from D5, D6.
- One other item I wanted to mention is SunGuide contract ends in June of 2017, the amount that will be incorporated into the next few releases is dwindling; the schedule is tight. We will be fleshing out concepts for when the contract comes back online we will be ready to authorize work for the releases after 7.1.
- We hope to schedule shorter SUG meetings to help flesh out concepts.

System Engineering Update
D. Vollmer with CO presented slides on System Engineering Updates.

- **Iteris- Training-** We now have a task work order with Iteris. They are a sub under HNTB and will be developing some system engineering training content

- o Basic training that can be converted into CBT's
  - ▪ 101 course on Basics of System Engineering
  - ▪ 101 course on FDOT LAP Staff- they have a different need of training rather than someone who needs to learn about system engineering.
- o 2 Day Instructor Led- in-depth Florida focused training- developing material only for these task work orders.
- o Iteris will contact you to get what your user needs are so they can be incorporated into the trainings

- **Iteris - Revamp the ConOps**- they will provide more guidance as to what goes into a ConOps and they might have some structural changes. They will also create a template geared towards express lane projects.
  - o Craig- ITS Florida board meeting, is looking for training opportunities for the day after Transpo would these trainings be completed in time? Derek- No, the schedule will be more like 5 months until completed.
- **FHWA Discussion**- has issues with Scenarios not requiring SE documents. The issue is if we say you don't need it and you try to use federal funds for it, you won't get those federal funds because you aren't meeting the rule.
  - o Operations & maintenance contract and want to use or may in the future use federal funds you should do an SE analysis for the contract. Or reference it from another project where you did a full analysis.
  - o You wouldn't necessarily have to do any SE documentation if you were just replacing cameras as part of that contract, as long as you had it in place for that contract.
  - o Not sure with what to do with the 2.3 section- we have multiple options of what we can do with this section. I would like some feedback on this from you.
  - o J. Rodriguez- we need to be clear with FHWA- replacing signals on corridors maintenance office did it, we need to know if we need to do a SE analysis for it.
  - o R. Allen- we had a discussion yesterday with him on RoS and Federal funding, he said in certain circumstances referencing the SE analysis would be fine.
  - o J. Rodriguez- I want to be clear because there are other units replacing signals, like the design office. 2 signal upgrade projects that never came through the ITS office and it looked negative on our ITS engineer.
  - o We need a clear definition of what they are considering an ITS device or component, there have been multitude of things that have come up that we are not sure of what is included or not.
  - o D. Vollmer- That will be difficult; sometimes they don't even know what is considered ITS.
  - o R. Allen- might have the option to not use the term ITS in the contract, it could an infrastructure project. If the contract has ITS in it then it will send up a red flag.
  - o P. Vega- At ITS Florida give this guy a session to discuss the expectations of FHWA to talk to District and our consultants. We want a consistent and clear definition of what is accepted/expected.

ROADS Project-
D. Vollmer with CO presented slides on ROADS Project.

- Link to the website: https://fdot.sharepoint.com/sites/FDOT-OIS/Projects/externalprojects/ITSP/Roads/SitePages/Home.aspx
- Goal of the initiative- data management/governance FDOT organizational environment & to better be positioned as an organization to do data governance.
- North Highlands contract ends in December- there are not plans to bring anyone else aboard at the moment.
- Report inventory that link to applications so they can know how we are using that data.
- Detector data- Pilot proposed with D5 get with planning office so they can use the data from the devices deployed.

RITIS Update
D. Vollmer with CO presented slides on the RITIS Update.
- Training available to everyone: http://wbt.dot.state.fl.us/ois/ritis/index.htm
- We did run into additional issues with this contract. At the moment, I am unable to pay invoices until the contract gets fixed.
- RITIS is a lower priority due to the limited resources and time available.

District 5 Enhancements (Vote) –
John Hope with AECOM presented slides on District 5 enhancements.
There were seven different enhancements proposed.

1. Make the System Messages Window's alert configurable per user/user group, which involves grouping messages into different message types. Then you should be able to assign different types for individual users. $15k
2. DMS travel time message expiration configurable- currently is hard coded for 1 hour. We are proposing to set 2 different time figurations: shorter expiration for peak hours & longer expiration for off-peak hours. $3k
3. Auto-merge operator entered messages with Travel Time Messages- operators push to DMS signs and to merge with travel time they have to do it manually going sign by sign which takes time. The purpose is to automatically merge the messages, set 1 destination as preferred travel time page with a maximum of 2 pages displayed. Multiple pages to the sign would not automatically do the merge. Check box option to auto merge or not. $20k
   a. Question- requesting global check boxes? There will be a global configuration to turn on and off the function.
   b. Does that mean the auto merge will not appear in the response plan? Whatever you selected for the sign or default would be in the response plan.
   c. J. Snyder- Will it just be for travel time? Yes. Consider in the future roadway within an roadway/express lane functionality.
   d. Automate the process for express lane functionality. Report two events on the same sign. Design sign of this.
4. Allow disabling email or other RPG elements from the response plan. The goal is to make operator management of RPG more efficient. Remove the email for the response plan; we could customize RPG to handle this. $5k

5. Auto alarming selectable- D5 not using audio functionality at all, when they did it wasn't helpful cause it was constant noise- want to prioritize which alarms are more important to them and get those. Ability to toggle yes/no for any one of these. $8k
   a. M. Mathes- Different ringtones to be selected with different alarms
6. Allow multiple default messages if travel times cannot be generated- The goal is to ensure default DMS message is appropriate for sign. They (D5) have different size signs, and would like to have a different default for the smaller signs. Can create a different template for color signs and non-color and create multiple DMS templates and associate with TvT messages. $10k
7. Report alternative travel time destination if travel time can't be produced, instead of a blank sign or default message it would report a different travel time destination. Triggered when travel time link cannot produce a travel time. Switch over would be instantaneous- we would calculate 2 travel times- if one doesn't produce the other will send. $15k

Total: $76k

D. Vollmer: The 3rd item the auto-merge might increase the price after Joe's suggestion to do it for other things, not just travel time. We will vote as if it includes Joe's suggestion and we can work that out to include it. For Mark's suggestion on having different ringtones for different alarms which might have slight cost differentials. If anyone want to vote on them separately speak now if not we will vote on them as a group. We will vote as a group.

D1 Robbie Brown- Yes
D2 DeeDee Johnson- Yes
D3 Lee Smith- Yes
D4 Dong Chen- Yes
D5 – Jeremy Dilmore- Yes
D6 Javier Rodriguez- Yes
D7- Chester Chandler- Yes
TP- Eric Gordin- Yes
MDX? Not joined
CO- Derek Vollmer- Yes
This item passes.
Break (10 Minutes)

Managed Lanes System Gate Controller Subsystem (Vote) - Tucker Brown
T. Brown with SwRI presented slides on Managed Lanes System (Gate Controller).
- TxDOT developed a Managed Lane System (MLS) under the shared license.
- The MLS subsystem has the following goals:
  o Manage opening and closing roadways and road segments
  o Manually verify operations of a managed roadway
  o Open and close Versilis gates or groups of gates
  o Send messages to one or more DMS queues
- TxDOT system is not complete yet, they still have some items to flesh out so some aspects will change graphically and needs to go through final testing.
- Gate controller status- a list of controllers to talk to it.

- Action list templates- you can create it and define the template with the steps to open or close a segment.
- Segment Status display- can see the current status of the gates. Can have multiple segments here so it will control multiple things.
- Can see what action list is currently being performed; whether it is in progress, completed or not started, etc.
- Performing- you can perform the step and verify if you have finished that step. You can select a camera icon to get a video feed so you can verify the performance. Icon- override steps but you have to tell it why and is documented as to who and why the override happened. Action list log and can run a report on this.

Cost:
- Port to SunGuide- $24k
- Configuration Dialog (instead of text file)- $20k
- Testing- $20k
- Total cost- $64k

Questions-
- Mark- is there a different icon for failed or stuck open and failed? T. Brown- I am not sure. Can you get information of where it is in the process if you are not the operator? Administrative rights for supervisors T. Brown- there is a report you can run to view the status.
- Pete- could this be adapted to D5 for their emergency vehicle gates? Emergency responders can you see if they are open or closed? D. Vollmer- yes this would be for the Versilis gates. T. Brown- Can monitor the status as those as long as the controller would accept two things talking to it.

Vote:
D1- Robbie Brown- Yes
D2- DeeDee Johnson- Yes
D3- Lee Smith- Yes
D4- Dong Chen- Yes
D5- Jeremy Dilmore- Yes
D6- Javier Rodriguez- Yes
D7- Chester Chandler- Affirmative
TP- Eric Gordin- Yes
MDX- No members present
CO- Derek Vollmer- Yes

This item passes.

Ramp Meter NTCIP Driver Scope (Vote) - Tucker Brown
T. Brown with SwRI presented slides on ramp meter NTCIP Driver
- Idea is to map existing SunGuide functions and configurations to NTCIP standard.
- Many of the parameters are fuzzy logic specific and would not be sent to the NTCIP controller.
- Relevant parameters would be sent based on the standard.
    o Metering mode

- o Metering rate
- o Min/Max metering rate
- o Light timing
- o See document Derek sent out- compares what SunGuide currently supports and the NTCIP spec says.
- Think of this as a new protocol for ramp metering. Our current protocol is on the old 170 controllers and we don't see them continuing life. They may be end of life finally. Thinking about the future we have the new ACT controllers coming out. We want to develop this standard protocol to communicate with the devices that will support the NTCIP protocol.

Cost: $30k- estimated delivery- 7.1
D1- Robbie Brown- yes
D2- DeeDee Johnson- yes
D3- Lee Smith- yes
D4- Dong Chen- yes
D5- Jeremy Dilmore- yes
D6-Javier Rodriguez- yes
D7- Chester Chandler- yes
TP- Eric Gordin- Yes
MDX- No members present
CO- Derek Vollmer- Yes

This item passes.

Unconfirmed Lane Blockages FP #3195 (Vote) - Mark Laird
M. Laird presented slides on unconfirmed lane blockages.
- Sunguide provides a means to indicate when a lane blockage has been reported but not yet confirmed.
  - o Unconfirmed blockages are not documented in the event chronology or FL-ALTIS data but we want it to the event in chronology.
  - o Current info is "no lanes blocked" when you have reported lanes but not confirmed.
    - ▪ D6 requested that unconfirmed blockages be reported with the word "reported" inserted before the normal lane blockage description.
  - o Districts want the ability to publish to FL-ATIS or to not publish to FL-ATIS.
  - o Implement the "reported" prefix when blockages are unconfirmed.
  - o Provide a means to each district to default to publish or not publish unconfirmed blockages to FL-ATIS.
  - o Provide a means for operators to override the default value.
  - o Provide a means to configure the system to block operator overrides
  - o Prevent saving a combination of "X" and "?"
Didn't want to post unconfirmed blockages on the signs but do want unconfirmed in the email.

Cost:

Unconfirmed Lane Blockages without 511 $3.5k
Unconfirmed Lane Blockages with 511 $13,000 + changes on 511 side

Vote:
D. Vollmer- When you vote you can vote with 511, without 511, or you can vote nay.

D1- Robbie Brown- With 511
D2- DeeDee Johnson- with 511
D3- Lee Smith- with 511
D4- Dong Chen- Without 511
D5- Jeremy Dilmore- with 511
D6- Javier Rodriguez- with 511
D7-Chester Chandler- with 511
TP- Eric Gordin- with 511
CO- Russell Allen- With 511

This item passes with 511, D4 you can still configure it to not do it so you have that ability.

New CMB Chair Nomination and Vote
D. Vollmer- It's been 2 years. Nomination ideas? P. Vega- Josh Reichert is resigning with DOT. We have not had a CMB Chair from our partnering committee so I nominate Bryan Homayouni.

B. Homayouni- what is all is involved with being the CMB chair.
P. Vega- you get all the support from the former chair and HNTB to get the meeting scheduled.

D. Vollmer- let's take care of a separate item- CFX is not a voting member but would like to petition to become a voting member. CFX- pays annual fee, has done some development for SunGuide and they are petitioning to become a CMB voting member and then we vote on it.

Vote: to add CFX as a voting member.
D1- Robbie Brown- yes
D2- DeeDee Johnson- yes
D3- Lee Smith- yes
D4- Dong Chen- yes
D5- Jeremy Dilmore- yes
D6- Javier Rodriguez- yes
D7- Chester Chandler- yes
DTP- Eric Gordin- yes
MDX- no member present
CO- Derek Vollmer- yes
CFX is officially a voting member of the Change Management Board

D. Vollmer- I second Pete's nomination. Any other nominations? Any objections?
Bryan is now the new CMB Chair.

Open Discussion

Russell Allen- HERE/Inrix data
- R. Allen- Currently we purchase the HERE data and the price for Inrix has come down to $1.2M and wanted to see if you would be interested in purchasing both sources of real-time data for 12 months?
- P. Vega: Does Inrix give you OD feature as well or just the travel times?
- R. Allen- I believe yes.
- P. Vega- Do they still go back to historical data if a corridor is closed or impacted?
- R. Allen- I would have to ask that specific question.
- D. Vollmer: Anyone opposed to purchasing 2 sets at one time? Not hearing any opposition.
- R. Allen: we will dig further into it and will get some questions answered.

Action Item: Russell gets Intrix data questions answered.

511 Travel Times Tab
- Google analytics data says that there are not many views of customers looking at this, I wanted to ask if you think we should keep this tab on the new website? Are you okay with just removing it?
- J. Rodriguez- D6 is in favor of removing the tab.
- D. Vollmer- is anyone opposed to removing the tab.
- P. Vega- make a feature showing the amount of congestion/delay.
- R. Allen- New system has map that contains the delay data.
- L. Smith- Correlation to draw to on why users go to certain tabs, we have many details on that, they seem to be mostly interested in the map and cameras.
- P. Vega- Let's add these questions to Global 5 survey that goes out to the users.

J. Rodriguez- Joe Snider is leaving D6, and wanted to recognize him for all the work done for us.

P. Vega- Our DTOE got funds for active traffic system on Buckman - $15M for 6 lanes. Include an ITS work mix so when you need more funds they will be available. I'll send you a report I have on it.

B. Homayouni- Crash incident messages and posting messages- we indicate the crash and location we say miles ahead. The question I have is does anyone do anything differently than miles ahead than where the crash is located? D6 does both cross street/reference point (standard) and miles ahead. D7 incident uses the interchange. D2 we provided him with our SOG's this morning.

S. Watterson- for the miles ahead and cross street, do you do a 2 page message?
D6- yes it is 2 phase.

D4- uses miles and St Name, D7 will send what they use, D3 uses mile markers looking to move towards st names.

R. Allen- 511 feedback on the floodgate on twitter- limits to 140 characters so we need to keep floodgates to 140 characters so the message is not cut off (SunGuide allows a longer message).

Review Action Items

Derek- Get with D6 on Waze roadway selection around the Golden Glades. Add "dismiss with no action" option to alerts.
Districts- Send Derek request to get the IV&I early deployment for testing software.
Derek- Discuss Waze alerts with Russell for 511
Derek- Send concept slides/ConOps to Craig/Lee for standalone video application.
Russell- having a reported delays tab on new 511 system- excluding color-coding from map if districts find inaccurate data
Russell- Ask Inrix data questions, verify 511 survey for questions asking what user information is helpful
Derek- Send out Bryan's contact information to Robbie.

Meeting adjourned at 4:25 p.m.