

Meeting Notes

Change Management Board

November 27, 2012 – 1:30 pm to 4:30 pm

November 29, 2012

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Prepared for:
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List of Acronyms

AVL.....	Automated Vehicle Location
C2C	Center-to-Center
CAD	Computer-Aided Dispatch
CMB.....	Change Management Board
CO	Central Office
ConOps.....	Concept of Operations
COTS.....	Commercial Off-the-Shelf
CPU	Central Processing Unit
DMS.....	Dynamic Message Sign
EM	Event Manager
EOC.....	Emergency Operations Center
FDOT	Florida Department of Transportation
FHP	Florida Highway Patrol
FL-ATIS	Florida Advanced Traveler Information System
FTE	Florida Turnpike Enterprise
GUI	Graphical User Interface
HAR	Highway Advisory Radio
IE	Internet Explorer
ITS.....	Intelligent Transportation Systems
MAS.....	Message Arbitration Subsystem
MDX.....	Miami-Dade Expressway Authority
OIS	Office of Information Systems
ONVIF.....	Open Network Video Interface Forum
OOCEA.....	Orlando-Orange County Expressway Authority
RCA.....	Remote Control Application
RR	Road Ranger
RWIS	Roadway Weather Information System
SPARR	Smart Phone Application for Road Rangers
SSUG	SunGuide Software Users Group
SwRI	Southwest Research Institute
TERL	Traffic Engineering Research Lab
TMC.....	Transportation Management Center
TSM&O.....	Transportation Systems Management and Operations
TxDOT	Texas Department of Transportation
VWA.....	Volume Weighted Averaging
VLC.....	Video LAN Client
WAN	Wide Area Network
WPF.....	Window Presentation Framework
WWD.....	Wrong Way Drivers

Florida Department of Transportation
CHANGE MANAGEMENT BOARD MEETING NOTES
Tuesday, November 27, 2012
1:30 P.M. to 4:30 P.M
Rhyne Building, Room 330 Tallahassee, Florida

Attendees:

Vincent Lee, D1	Gene Glotzbach, CO	Arun Krishnamurthy, CO
Chris Birozak, D1	Donna Danson, D2	Pete Vega, D2
Charles Lattimer, Atkins	Scott Robbins, D1	Dong Chen, D4
Jessica Baker, Atkins	Alejandro Motta, D6	Javier Rodriguez, D6
Terry Hensley, D7	Chester Chandler, D7	Eric Gordin, FTE
Nathan Ruckert, D5	Randy Pierce, CO	Mark Laird, AECOM
Dee McTague, AECOM	David Chang, Atkins	John Hope, Atkins
Rebecca Bratcher, Clear Channel	Ryan Crist, Clear Channel	Penny Kamish, Clear Channel
Santos Morin, Clear Channel	Jason Summerfield, Clear Channel	Cathie McKenzie, Gannett Fleming
Dave Howell, HNTB	Mark Nallick, D3	Jill Dawson, Metric
Chris Botti, SwRI	Tucker Brown, SwRI	Robert Heller, SwRI
Frank Deasy, Telvent	Clay Packard, Atkins	Karen Miller, Atkins
Shannon Watterson, HNTB	Fred Littrel, Telvent	Corey Quinn, OOCEA
Brian Ritchson, MCG	Clay Packard, Atkins	Ivan del Campo, MDX
Joe Parks, Lucent	Joe Snyder, AECOM	Joe Stephenson
Jo Ann Oerter, Atkins	Steve Novosad, Atkins	

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

Welcome and Call for Quorum: Change Management Board (CMB) Chairman Javier Rodriguez opened the meeting at 1:35 P.M. A quorum was established. He briefly introduced the objectives of the meeting.

Previous Meeting Recap and Action Item Review

- *Central Office (CO) to conduct stress test of ITS WAN and provide white paper-*Randy Pierce stated we used 5-9's reliability , the redundancy in connectivity using the most modern technology equipment but doesn't recommend or have funding to purchase multiple network analyzers needed for testing. R. Pierce believes we're where we want to be.
- *SSUG to review SunGuide software permission options and provide recommendation for voting at next meeting-* Will discuss and vote in this meeting.

- *CO and District to follow up with highway advisory radio vendor to see if a driver can be developed and follow-up with SwRI for cost estimate for the graphic user interface (GUI) and subsystem enhancements-* Arun Krishnamurthy stated it is not completed, hopefully will make more progress in the next month or so.
- *CO to evaluate if the 2,030 alerts from D5 were actual or false alarms-* not complete yet, but in the next few weeks, CO will email out the background and analysis results.
- *CO to review the possibility of providing a comprehensive vehicle make and model to be included in the SunGuide software so transportation management centers (TMC) do not have to manually type it in-* We have a list of make and models from FHP. There are 2 options: import list and make it easier to add from the EM screen for the operators. Mark Laird (D6) stated one of the problems is operators mistyping- if there is a way to have a way to automatically add it would reduce operator error. M. Laird and Nathan Rucker (D5) want both options; Tucker Brown says it can be done.
- *Districts to provide any Florida Highway Patrol (FHP) computer-aided dispatch (CAD) issues and suggestions to CO so they can address them-* A. Krishnamurthy had received just one email, and he will work with FHP to make modifications, and this can be removed off action item list.
- *CO to provide a plan for working out RITIS and Statewide Transportation Engineering Warehouse for Archived Regional Data (STEWARD) transition-* will be discussed in today's meeting.

AGENDA ITEMS

ITS WAN update

Frank Deasy presented slides: should finish with the static routes for D1 and D7 this week for final implementation and will go down this week if needed. D3 building is still under construction and fiber is a work in progress. FTE pompano situation is unchanged which is a problem, fiber outage that occurred before last meeting is still out. Would like to make the connection over the D4 cable in the interim, can get not connected between Orlando and Pompano for the fiber connection. D6 is up and running .FHP CAD is status quo, districts connected to LAN should see that with no problem. Districts need to re-address their multicast devices. D4 is in process to re-address their multicast devices. VAS can then receive multicast video without need for re-addressing. FLATIS and VAS, replacing dedicated circuits with ITS WAN connectivity. R. Pierce stressed that Districts need to look heavily at multicasting so that can get done. R. Pierce asked FTE status of cut fiber and Joe Stephenson explained problem still pending resolution- there are permitting issues that is being looked at with legal. Mark Laird stated re-addressing in D6 will be finished by first quarter of 2013.

SSUG Update

John Hope presented slides - Regarding review of C2C for any ongoing issues, there aren't any ongoing issues at the moment. Regarding expanded user device permissions options, there are 4 districts in favor of option 1 and 3 for option 2, and 3 districts have no preference. Other topics discussed include locking or unlocking presets for cameras, miles ahead calculation, hot fix and sequencing configuration fix; proximity issue with MM (footprint 1616).

PostgreSQL Database

Steve Novosad presented PostgreSQL slides in detail. Arun Krishnamurthy explained Atkins was asked to do an analysis of PostgreSQL in order to try and find a database solution at a lower cost than Oracle. PostgreSQL is a good choice and is functionally equivalent to Oracle and SQL Server. Robert Heller asked What about support for ADO.net – Clay Packard stated they make a .net library, uses standard ANSI language and explained it will have a lot of compatibility but there would be some work to do to get it where it would need to be. Atkins will have another update in the future with more details. Nathan Ruckert asked is there any issues with virtual network and S.Novosad explained there wasn't.

Cloud computing for SunGuide Software

S. Novosad presented slides in detail and explained basically Cloud Computing is defined as use of computer resources delivered over a network. Chester Chandler asked if we move some or all of SunGuide into cloud will we have any concerns with public record laws here in Florida- A. Krishnamurthy explained he did not think there would be any issues because information would be stored somewhere else than the TMC, it would be at a different location and still could be retrieved if needed. A. Krishnamurthy asked if everyone liked the idea and Pete Vega said no and explained he does not think there is a benefit for the cloud. Ivan del Campo stated both ideas represent a great opportunity- feels the cloud computing has benefits, maybe not for each TMC, but for some and it is worth investigating. S. Novosad stated there are many ways for it to benefit. R. Heller stated he likes the idea of disaster recovery and other things you can do with the cloud. C. Chandler stated the presentation listed several benefits and I have not heard one negative, liability or latency, are there any other negatives that we should be made aware of- A. Krishnamurthy stated one other issue could be when you have internet connection problems with ISP provider. John Hope explained when you moved to cloud you would have to standardize your configuration settings. Corey Quinn stated if we bring down the cost of SunGuide with PostgreSQL that would be great because cost is one reason not all agencies have SunGuide, and the cloud could be a tool to manage traffic as a region . He also stated the only negative would be security issue such as credit information in the data and would just want to make sure that information would need to be secure. C. Chandler asked is moving to the cloud help TSM&O? A. Krishnamurthy stated that would be one way to look at it. Javier Rodriguez asked when more information is made available we would continue to discuss.

SunGuide Permissions Model Changes

Robert Heller presented slides in detail regarding the proposed changes to the permissions. Mark Laird asked if the default permissions are configured and not predefined, R. Heller stated they are configured for your system. M. Laird then asked if all examples are based on restrictions based on roadway. R. Heller explained it is not based on roadway. M. Laird also asked are these groups based on permission groups that we can inherit or individually configure

for each user, such as I-75 Operator group. R. Heller stated they would be based on group. M. Laird then asked is option 1 similar to the Lonestar implementation – R. Heller stated yes it is. J. Rodriguez moved to voting on item:

D1- yes
D2 –yes
D3-yes
D4-yes
D5-yes
D6-yes
D7-no
FTE-yes
CO-yes
MDX-yes

A. Krishnamurthy asked why D7 voted no-D7 doesn't have a need to differentiate what users have a right to use or not use in permissions

SunGuide installer / upgrade

C. Packard explained there was a need for making the SunGuide installation easier, and based on comments, personal experience he developed some ideas, and presented slides. Eric Gordin asked how much down time is this going to avoid when upgrade is occurring. Is there a time savings with these ideas? C. Packard explained if something goes wrong and we can prevent that beforehand and this would conduct verification before installation. The majority of benefits relate to not how long it will take to upgrade but empowering centers to do it on their own, and when they can. M. Laird said he would like to see hot fixes including those that have been created and cluster support .T.Brown asked cluster as in all servers? M. Laird said after they are installed they have to send processes. R. Heller explained there were several hot fixes that had to be incorporated in 6.0, and cluster aware installer is a good idea and need to be added to the list. C.Packard reminded everyone that there is a SunGuide forum on the website to post ideas. J.Rodriguez suggested everyone let SSUG know of this idea so they can present in the next CMB.

ACTION ITEM: CLUSTER Support

Road Ranger Multiple Agency Coordinator Enhancement

John Hope gave some background on how this came about, there were multi agency meetings held in order to better coordinate the Road Rangers. J. Hope then presented the slides. Proposing adding a "Multi Agency Coordinator" which would determine where information is sent. J. Hope explained it could function within the RR application, SunGuide or external applications. A. Krishnamurthy asked how it would work. Is the RR contracted through the agencies? J. Hope explained that OOCEA has a contract with FTS and they are patrolling OOCEA and turnpike roadways, D5 manages events on OOCEA roadways and since FTS covers both OOCEA and FTE, it makes it difficult to know who RR should connect to. C. Packard asked if only one agency would have responsibility of the event- J. Hope stated yes. C. Packard asked whichever agency is managing the event if they could dispatch the RR and the other two agencies are made aware of the event. T. Brown said the answer would depend on location, who creates events and who would have ownership. R. Heller stated possibly input some sort of filtering into SunGuide software to where the event location goes. After extensive discussion on how to try and solve the issue of how to make the multi agency coordinator work, A. Krishnamurthy suggested this needs to be discussed further offline.

SunGuide Reporting Update

Brian Ritchson with MCG presented slides of new report formatting, and the new and updated reports. Reformatting will be done by release of 6.0. B. Ritchson explained that a zip file on the SunGuide website can be downloaded for all reports or the reports can be searched individually as well. Jason Summerfield asked if zip file has been updated from when he emailed Brian. Brian stated no, there are some things that need to be corrected but he will email him. M. Laird asked if there a centralized list for functional changes. B. Ritchson stated if you go to the individualized report it should have change log included. M. Laird requests a log of functional changes made by date to reports. C. Packard and B. Ritchson will start working on a running list and marking functional vs. non functional changes that have been made by date.

RITIS Update Arun Krishnamurthy

A. Krishnamurthy explained it has been a few months since we said we wanted our SunGuide data into RITS and our contractor has made some great progress. A. Krishnamurthy went through the RITS website and advised those that needed login information to contact him. On the "Incident" list screen, real time incident updates can be seen and this data is based on feeds from SunGuide. The detector tools tab in RITIS was built especially for us. A. Krishnamurthy discussed the archived data and the real time data that was sent into RITS there is a gap that he will be working with the districts to get all the information over to RITIS soon. Once this effort is complete all archive data and real time will be available on the RITIS website

SunGuide Top Priority items

A. Krishnamurthy went over slides of priority items. M. Laird stated that D6 is still having trouble with Footprint 1591, bulk updates from road rangers. A. Krishnamurthy state that was fixed in the 6.0 release. M. Laird stated they will not be able to install 6.0 any time soon, can they hot fix R5.1.1. T. Brown said he would have to look into and provide an update if possible. M. Laird also stated the upgrade to R5.1.1 and the silver/amber alert subject line in email has to be manually changed is there any way to fix that before the release of 6.0. Tucker B stated if that is the consensus then yes. Pete Vega asked about Blue TOAD plug ins. A. Krishnamurthy stated yes they are and he will get it sent. P. Vega brought up that as part of the TSM&O effort, they want traffic signals to be monitored in SunGuide and it will be a top priority and wanted to give A. Krishnamurthy a heads up. C. Birosak stated that will not be an easy task. P. Vega also stated ITS deployment in Gainesville will need SunGuide help regarding low visibility, C. Birosak said they would also like to be involved.

ACTION ITEMS

1. CO to follow-up on HAR vendor driver
2. CO to evaluate the 2,000 remaining alerts
3. CO to continue research on PostgreSQL and Cloud computing
4. CO to further investigate SunGuide installer improvement
5. CO to further develop the concept / solution to the multiple agency Road Ranger coordination
6. CO to provide list of functional report changes
7. SwRI to help Districts send up historical event and gap detector data to RITIS
8. SwRI to look into hot fix for FP 1559 for 5.1.1
9. CO to provide Pete with 2 Blue TOAD plugins
10. CO to coordinate a concept discussion for low visibility warning system