



SunGuideSM Status Meeting Minutes

Tuesday, July 13, 2004, 8:30 AM to 11:30 AM EDT
Daytona Beach Resort and Conference Center

CDRL 1-8.2.7



Attendees:

Liang Hsia, FDOT	Robert Heller, SwRI
David Chang, PBS&J	Steve Novosad, SwRI
John Bonds, PBS&J	Ranzy Whiticker, Turnpike
John Easterling, Turnpike	Gregg Letts, MDX
Ivan Del Campo, MDX	Bill Wilshire, FDOT
Gene Glotzbach, FDOT	Pete Vega, FDOT
James Bitting, FDOT	Jesus Marinez, FDOT
Jim Mosser, PBF	Frank Deasy, PBF
Frank Deasy, PBF	Steve Corbin, FDOT
Elizabeth McCrary, FDOT	Charles Wallace, PBF
Jan Seigler, Barco	Walt Townsend, ITS-Siemens
Dong Chen, FDOT	Richard Reel, FDOT
Deborah Snyder, FDOT	Don Cashdollar, FDOT
Chris Birozak, FDOT	Elizabeth Birriel, FDOT
Anita Vandervalk, Cambridge	Tahira Faquir, PBS&J
Paul Watson, OBS&J	Lokesh, Hebbani, FHWA
Kamal Munawar, FDOT	Ingrid Birenbaum, Turnpike
Juan Carlos Villalba, E&K	Lap Hoang, FDOT
Mike Smith, FDOT	Larry Rivera, FDOT
Brenda Young, FDOT	Tom Maguire, Fujitsu
Mike Yazdani, F.R. Alleman	Erik Spillmann, F.R. Alleman
Joe Michler, Hillsborough County	Harry Rydstrom, Creamer Daniel
Nick Adams, FDOT	

Subject: Project Status Meeting for SunGuide

Note: Agenda and slides for each agenda item are available from the project website at:

<http://sunguide.datasys.swri.edu>

Item #1 – Co-location in Regional Traffic Management Centers

- Discussed the pros and cons of co-locating multiple agencies in one building to better facilitate communication and manage traffic

Item #2 – License Updates

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- TransGuide License Lap and AI co presented sharing of software; on June 29th the license was prepared and is in signature process by FDOT and TxDOT
- FDOT/WSDOT – Received testing chips and documents from WSDOT; still waiting for WSDOT to approve final version
- FDOT/MDX – draft final JPA on June 23rd; waiting on final approval.

Item #3 – Traffic Incident Management Coordination Update

- Reviewed requirements from all over state, other states and CHART.
- Met with Traffic IM team on June 29th and received good response.
- Some of the IM items may not be available in release 1, but hopeful for release 2a. (See TIM Requirements slide #12).
- FDOT needs to provide SwRI with a list of additional requirements to determine project impact.

Item #4 – Reports by Deployment and Possible Integration Schedule

- District 4 TMC is almost ready. Planning to move server on July 20th. Hope by time the SunGuide demo is performed will have CCTV, DMS (target early August); hired assistant TMC manager through Harris. TMC will be run for 8 hours a day until end of year; then will go to 24/7. Milestone demo on August 6, 7, & 8.
- District 6 – I-95 ramp meter project spring summer 05 complete and ready for SunGuide software.
- MDX – TMC on procurement phase; NTP System Manager Feb 05; TMC will be ready for SunGuide Sept 05.
- District 7 – Specification issues between AIA and DOT specs. SunGuide install targeted May 06. Question about hardware setup and when it will be ready.
- District 1 TMC let for construction June 05. Complete end of 06/early 07 and will be ready for SunGuide then
- District 2 – Complete Phase 3 and 4 in December complete Phase 5 April 06 and will be ready for SunGuide then.
- District 5 – Get info from other Districts on Roadway Information System and Weather System; D5 and D2 are connected and exchanging images.
- District 3 – Working with Bay County to integrate signal system.. TMC is on schedule
- Turnpike – Taken over 2 DMS that D4 was controlling also get a DMS from Orlando Orange Convention Center; Starting NCTIP development (Release 1.2) complete by end of September. Working on requirements for C2C

Item #5 – Project Status Report

- Current project status on website
- All slides are available on the website
- ECO 1 has been incorporated

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- Release 1 Status – early integration test on many pieces
- Release 2a Status – ramp metering is underway FDOT reviewing Requirements on a number of subsystems.
- Functional Threads
 - Highlighted in red is what can be demonstrated (See Functional Threads slide)
- Deliverable Status
 - Revised Concept of operations is due
 - Future docs are Software ATP and Software Integration Plan
- Cost Status
 - Release 1 slightly under spent
 - Release 2a other activities starting up.
- Schedule Status
 - Integration status has jumped to 40%; why? Pieces being integrated are those from the original contract and not ECO yet and those are the ones reflected on integration bar. ECO pieces are under development.
 - Integration proceeding well; issues are being found and addressed
 - Milestone Demonstration: D4 August primarily to exercise DMS subsystem /86-8/8. Over weekend because signs cannot be accessed during normal operations. Also will include 1 NCTIP camera
 - Future Status meetings 8/13, 9/10, and 10/12.. Robert suggested that the August status meeting and milestone demonstration be combined
 - Release 1+ include ramp metering targeted for D6. Planned for 6/05 install. It will not be accepted until Release 2a is accepted. 1+ is not a formal release.
- IDI Status
 - Procure IDI devices (DMS and CCTV) under ECO
 - Coordination meeting on 6/15 at TERL
 - IDI proposed their tools to test their hardware; SwRI requested additional testing using outside tools.
 - DMS controller number is incorrect should be 4.
- D4 Milestone Demo
 - Coordination meeting on 7/1. D4 provide good information for demo. Toured existing and new TMCs. Viewed interfaces to infrastructure and some of the field devices.
- Update on action items:
 - Action 22: waiting on info from FDOT. Liang consensus is raw data
 - Action 24: waiting on copy of Statewide IM report. Liang need to provide statewide statistical report. Much of what is needed is from CHART II. Chung Tran pointed out that PBF is the one doing the reports; and they should be consulted. Charlie Wallace clarified Chung Tran comments; role does not include statistical reports etc. more developing a strategic IM planning; helping statewide teams with ongoing training. Could assist in developing reports, but not explicitly in scope to develop reports; In that regard can work with SunGuide project to make sure we get closure on this. CUTR has a separate contract to develop performance measure and is a sub to PB on TIM.

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- Action 35: Liang mentioned that a teleconference next week with all Districts will be held to see if they can get GDT to provide statewide at a reduced cost. John Bonds asked what is the latest date SwRI needs the shapefiles? SwRI needs 1 to 2 weeks to work with the files..

Item #6 – Data Mining

- Rick Reel –
 - Would like to use data for reporting purposes. For example D5 reviewing plans which required 25 traffic monitoring sites at a cost of 750k to 1 mil. Collaborated to provide data and reduced site needs to 6 and save over 500K.
 - What type of data is needed
 - Volumes by lane, 15 minute intervals. John Bonds asked what if you want data for a couple of days a week not for whole week? Rick's response: there are some cases where we have to capture data for a couple of days; we prefer weekdays.
 - Vehicle type scheme 'F' classification; not supported by ITS; would need to modify SunGuide
 - Vehicle Speed
 - Utilize bins
 - Locations
 - Only 1 location between interchange
 - Quality Control cover all lanes and have indication of quality
 - Data Mining Software
 - Developing new applications
 - Collector Module checks for new data, formats it and sends it to Sorter module
 - Sorter Module stores data in memory and puts in SPS Format.
 - Client Application Module
 - Change configurations and view data
 - Operational in D5 and D6.
 - Survey Processing Software
 - Process short duration traffic counts
- Robert Heller
 - Data mining not part of SunGuide activity
 - Can supply data thru Data Archive or C2C plugin
 - Data Archive runs inside SunGuide system.
 - Using C2C only 1 plugin would be needed to receive data from all centers.
 - SunGuide has multiple conduits for data.
 - Problems do not support axle count 'F' classification do not do any binning; by the time speed data is processed in SunGuide all binning info is lost; all detector data is stored in a log file and you have to determine which logs you are interested and ignore others; there are not provisions for quality checking of data.

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- Hillsborough is collecting once per minute speed etc. averaging data to 15 minutes, daily to get ADT. We are using this to determine a none error margin. We are looking at 85-90% data quality.

Item #7 Emergency Evacuation Web Site Design

- Slides are on website
- Waiting on answers to questions from FDOT. Liang asked Bob Collins to review the documents..
- How localized is watch
 - Jesus stated: normally down to counties. Do not have to worry about cities.
- Do you evacuate everyone or selected people
- Ingrid commented that counties differentiate evacuation by storm category not by people.
- Question: do not evacuate different demographics of people? Answer: no.
- Comment: each county has various levels of flooding and affects how often areas are evacuated.
- Question: any other than voluntary and mandatory? Gene: sometimes they say it is too late, so stay put, Shelter in Place
- Comment: counties have emergency plans
- Design concept Overview
 - What we expect public to see; not how you get data into the system
 - Liang: TIM requirements based on location can you find neighboring facilities for shelter
 - Jesus: based on category of storm and location you live at will drive the type of evacuation
 - Jesus: provide a link of shelter information. Lots of work and is it worth it. Depends on nature of storm and shelter openings are dynamic. Point to sources of information.
 - Question: who is looking at computers when on TVs are scrolling information.
 - Question/comment: where do you want to get that data, we tried it, but it is hard to get.
 - Comment: critical time is 24 to 36 hours before landfall. How crowded are roads and travel time to locations and provide alternate routes?
 - Does this info already exist and given out. Rick there are duplicate sites now. One for EOC and one for general public.
 - Comment: have a link to shelter information, but do not maintain it.
 - Comment: why wouldn't traveler call 511? Should we tie SunGuide into 511?
 - Comment: having multiple outlets for the same information useful.
 - Comment: people are told to unplug electrical devices
 - SwRI Summary: do not replicate information stored by other agencies; information about routes; heavy traffic, alternate routes.

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Item #8 – Standards Development Process

- Developed strawman standards initially from what FDOT and other states doing
- Created a committee of district people
- Sent strawman to vendors for initial review
- Posted on website for general review
- Asked ITS Florida to peer view
- Went through FTBA
- Went through specifications group and asked for guidance on process.
- Next step
 - Send standards out to districts for final review
 - Receive final comments and finalize
 - Will not provide all standards at once to help stretch review time
 - Have a database of comments received to date and resolution
 - Will these be standards in standards book or guidelines; would like to developmental specification route.
 - Declare them developmental specs over 1 to 2 years and as they are used when issues come up these specs can be updated and when comment dwindle they can be considered good standards and put in standards book.
- Pete Vega: Does this mean that we have to go through CM to change the standards.
Gene Glotzbach: If district is only one working on it then probably not, but if multiple districts are working on it, then it will probably need to go through CMB.

ACTION ITEMS

Numbering of Action Items is based on all action items identified on the SunGuide project.

Number	Responsible	Text	Due Date
43			
44			
45			
46			
47			
48			

NONE ASSIGNED