



Change Management Board Meeting

Video Con. Bridge 1

Audio: 850-414-4977



Welcome and Introductions

Steve Corbin, CMB Chairman



Change Management Board



Time	Item	Lead	Supporting Materials	
8:00 – 8:10	Welcome and Introductions	Corbin		
8:10 – 8:20	Previous Meeting Recap and Action Item Review	Corbin	March 19, 2008 Meeting Notes	
8:20 – 8:35	Criteria for New CMB Voting member	Corbin		
8:35 – 8:45	Nominations for next CMB Chairperson	Corbin	<i>Change Management Process for Deployment of ITS in the State of Florida</i>	
8:45 – 8:55	TMC Configuration Updates	Chang	TMC Configuration.xls	
8:55 – 9:05	SunGuide™ Software On-site Support	Tillander	CMB .ppt	
9:05 – 9:15	SunGuide™ Software Support Process Flow	Heller	CMB .ppt	
9:15 – 10:00	SunGuide™ Footprints Issues Review	Issue No. 101 & 503	Heller	CMB .ppt, <i>Of detectors and Travel Times</i>
		Issue No. 222		
		Issue No. 447		
		Issue No. 449		
		Issue No. 564		
10:00 – 10:15	BREAK			



Change Management Board



Time	Item		Lead	Supporting Materials
10:15 – 10:25	SunGuide™ Software Release 3.1.2	Requirements to Support I-95 Express <i>(Vote)</i>	Chang	<i>Ballot, 95 Express Lanes Deployment Concept of Operations</i>
10:25 – 10:55	SunGuide™ Software Release 4.0	Requirements to Support FL ATIS <i>(Vote)</i>	Gaarder	Ballot
10:55 – 11:15	SunGuide™ Software Release 4.x	Response Plan Enhancement Concept of Operations	Fontan	
11:15 – 11:25	SunGuide™ Software Release 4.x	FHP CAD Interface	Corbin	<i>FHP CAD Data in SunGuide Software Concept of Operations Draft Version 1.1</i>
11:25 – 11:40	LEO Alert DMS Messaging		Hensley	<i>Sunguide_different_phase_timing_2008-05-07</i>
11:40 – 11:55	SunGuide™ Report Repository		Chang	<i>CMB .ppt, SunGuide Report Repository Version 1.4</i>
11:55 – 12:00	Closing and Action Item Review		Corbin	



Change Management Board



Previous Meeting Recap and Action Item Review



Previous Meeting Recap and Action Item Review



ACTION ITEMS

- 1. Gene Glotzbach, Trey Tillander and Steve Corbin will draft criteria for becoming CMB voting members and using SunGuide software.**
- 2. David Chang will update the District Configuration spreadsheet.**
- 3. David Chang will provide a draft copy of District Configuration spreadsheet to SwRI for comments.**
- 4. SSUG will provide feedback to Trey Tillander regarding the critical issues of SunGuide operations.**
- 5. SwRI will provide a document which identifies the process flow of utilizing the support resources including support line and footprint access.**



Previous Meeting Recap and Action Item Review – Cont'



ACTION ITEMS

6. SwRI will draft a questionnaire of TvT calculation with the scenarios of MVDS' data when: no traffic, and stopped traffic and probe TvT. Trey Tillander will send it out for inputs.
7. PBS&J will modify the requirement DF006F1 by deleting “to the maximum extent possible” at the end.
8. PBS&J will modify the requirement DF001E by adding “secondary” in between “and” and “alternate”.
9. PBS&J will modify the requirement DF027G to : The SunGuide floodgate graphical user interface (GUI) shall allow the operator to select severity, region, county, roadway, road segment, and transit entity for each floodgate message.
10. SwRI will verify that the “sort type” will still be configurable after the vehicle type is standardized.
11. Manny Fontan will draft a ConOps for RPG enhancement for CMB review.



Change Management Board



Criteria for CMB Voting Member

Steve Corbin



Change Management Board



Nominations for next CMB Chairperson

Steve Corbin



Change Management Board



TMC Configuration Updates

David Chang



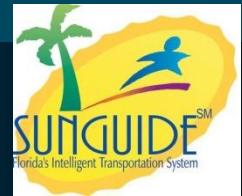
TMC Configuration Update – Cont



- Request Updates from Districts prior to each CMB meeting.
- Present Update at every CMB
- Summary of SunGuide Usage by District, including:
 - Release by Subsystem
 - Patch #
 - Criticality



TMC Configuration Update



080618 District SunGuide Release usage - Microsoft Excel

Home | Insert | Page Layout | Formulas | Data | Review | View

Home R48

Revised 6/18/2008

SUNGUIDE SOFTWARE CONFIGURATION MANAGEMENT

Revised 6/18/2008

DISTRICT or AGENCY

1 2 3 4 5 6 7 TERL MDX

Current SunGuide Release

SUNGUIDE RELEASE																			
1.1	2.0	2.2.2	3.0.3	3.1	3.1.1	Subsystem						3.1	Criticality?						
						Admin Editor	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	YES	
						511													
						Automatic Vehicle Location (AVL)													
						XML Interface													
						RR AVL driver													
						Center to Center (C2C) plugin													
						Closed Circuit Television (CCTV)													
						NTCIP 1205 type													
						American Dynamics													
						Config Editor	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON		
						Data Archiving (DA)													
						Database	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON		
						Dynamic Message Sign (DMS)													
						NTCIP 1203													
						Mark IV													
						Trailblazer													
						Skyline													
						Emergency Evacuation													
						EM/PM													
						Event Viewer (EV)													
						Executive Handler (EH)	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON		
						Graphical User Interface (GUI)	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON		
						Highway Advisory Radio (HAR)													
						Incident Management (IM)	<i>This module was integrated to EM Subsystem.</i>												
						Incident Detection System (IDS)													
						TSS Alarms													



Change Management Board



SunGuide™ Software On-site Support

Trey Tillander



SunGuideSM Software Full-time On-site Support



- Support needs have increased from 3 users to 8 users in last 2 years
- Support needs have increased w/ subsystem added: 511, www.fl511.com; new EM; Reporting; Ramp Metering; Express Lanes.
- Authorized by SWAM #16
 - Provide SunGuideTM support to FDOT CO, Districts and MDX
 - Increasing from 1 Full Time Employee to 1.8 FTE
 - Began 6/2/08
- Jim Lenig based at Miami RTMC
- Clay Packard based at TERL



Jim Lenig at Miami RTMC





Clay Packard at TERL





On-site Support Priorities

1. Respond to SunGuide™ Help Desk Support requests
2. Assist with SunGuide™ installations and upgrades
3. Respond to SunGuide™ Footprints support issues
4. Work on SunGuide™ software enhancements
5. Attend SunGuide™-related meetings and telecons as directed by the SwRI & FDOT PMs
6. Assist FDOT software CM applications.
7. Assist FDOT with testing and IV&V of SunGuide™ software releases.
8. Assist FDOT with C2C integration and testing
9. Assist FDOT with integration and testing between SunGuide™ and external interfaces and field devices at TERL.
10. Assist FDOT with retrieving reports from SunGuide™ Software
11. Assist with network administration of SunGuide™ servers
12. Document config.xml and other SunGuide™ software setup



Change Management Board



SunGuide™ Software Support Process Flow

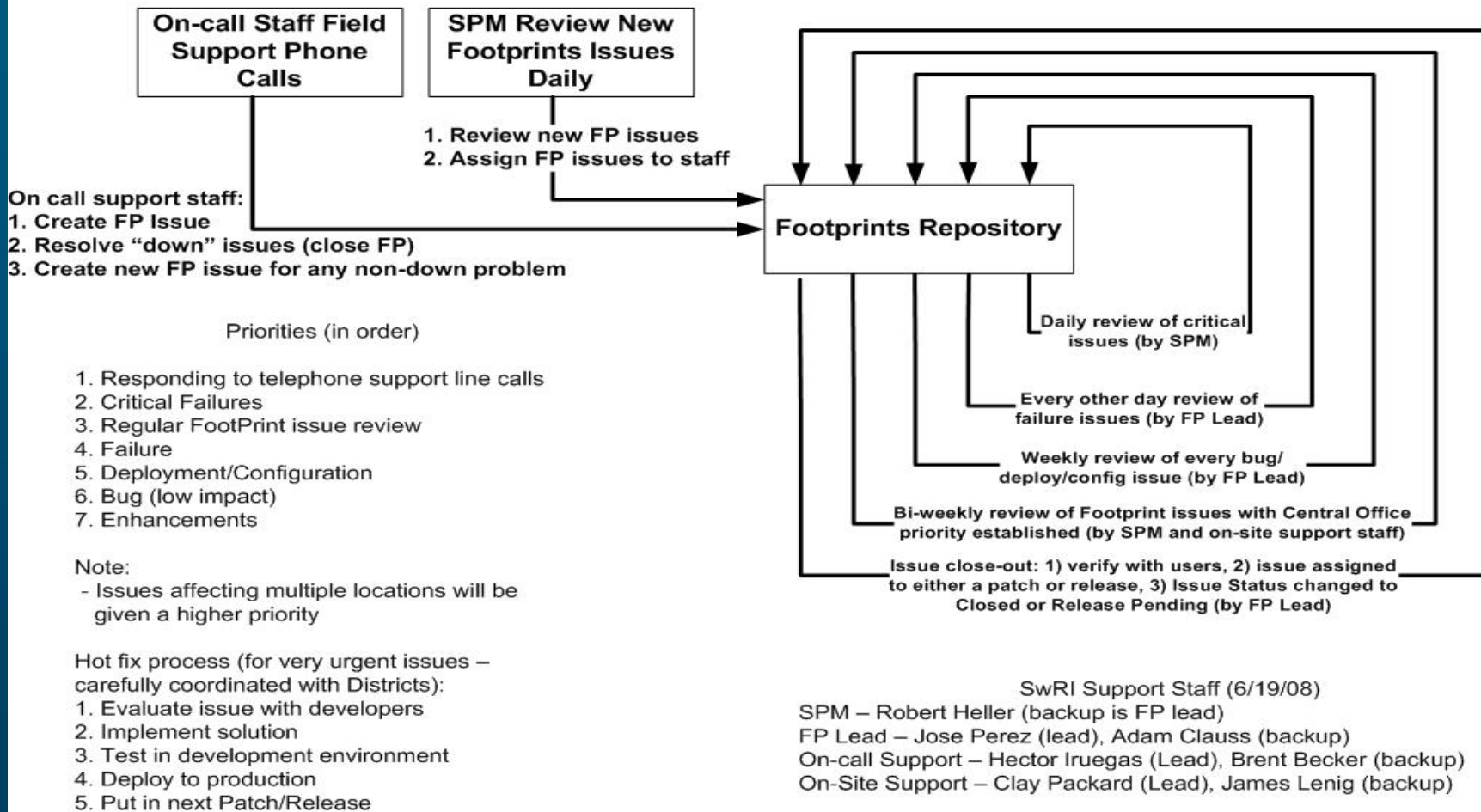
Robert Heller



Support Flow



SunGuide Support Process Flow – June 18, 2008





Support Process Flow

- Daily review of new FP issues; assign FP issues to staff (SPM)
- Daily review of Critical Issues (SPM)
- Every other day review of Failure Issues (FP Lead)
- Weekly review of bug / deployment / configuration issue (FP Lead)
- Bi-weekly review of FP issues with CO to establish priority (CO, SPM, SwRI OS staff)
- Issue close-out (Closed or Awaiting Release)
 - Verify with user
 - Issues assigned to patch or release
 - Issue closed by FP lead



Support Process Flow Priorities



- Responding to telephone support line calls
- Critical failures
- Regular FP issue review
- Failure
- Deployment / configuration
- Bug (low impact)
- Enhancements (w/ FDOT concurrence)
- Issues affecting multiple locations given higher priority



SunGuide Support Flow Hot Fixes



- Hot Fix: Implement code changes on-site for urgent issues
- Evaluate issue with developer
- Implement solution
- Test in development environment
- Deploy to production
- Put into Patch / Release (CM)



SunGuide Support Process Flow



- **SwRI Support Staff (June 13, 2008)**
 - **SPM: Robert Heller (backup is FP Lead)**
 - **FP Lead: Jose Perez (lead), Adam Clauss (backup)**
 - **On-call Support: Hector Iruegas (lead), Brent Becker (backup)**
 - **On-site Support: Clay Packard (lead), James Lenig (backup)**



Change Management Board



SunGuide™ Software Footprints Issues Review

Robert Heller



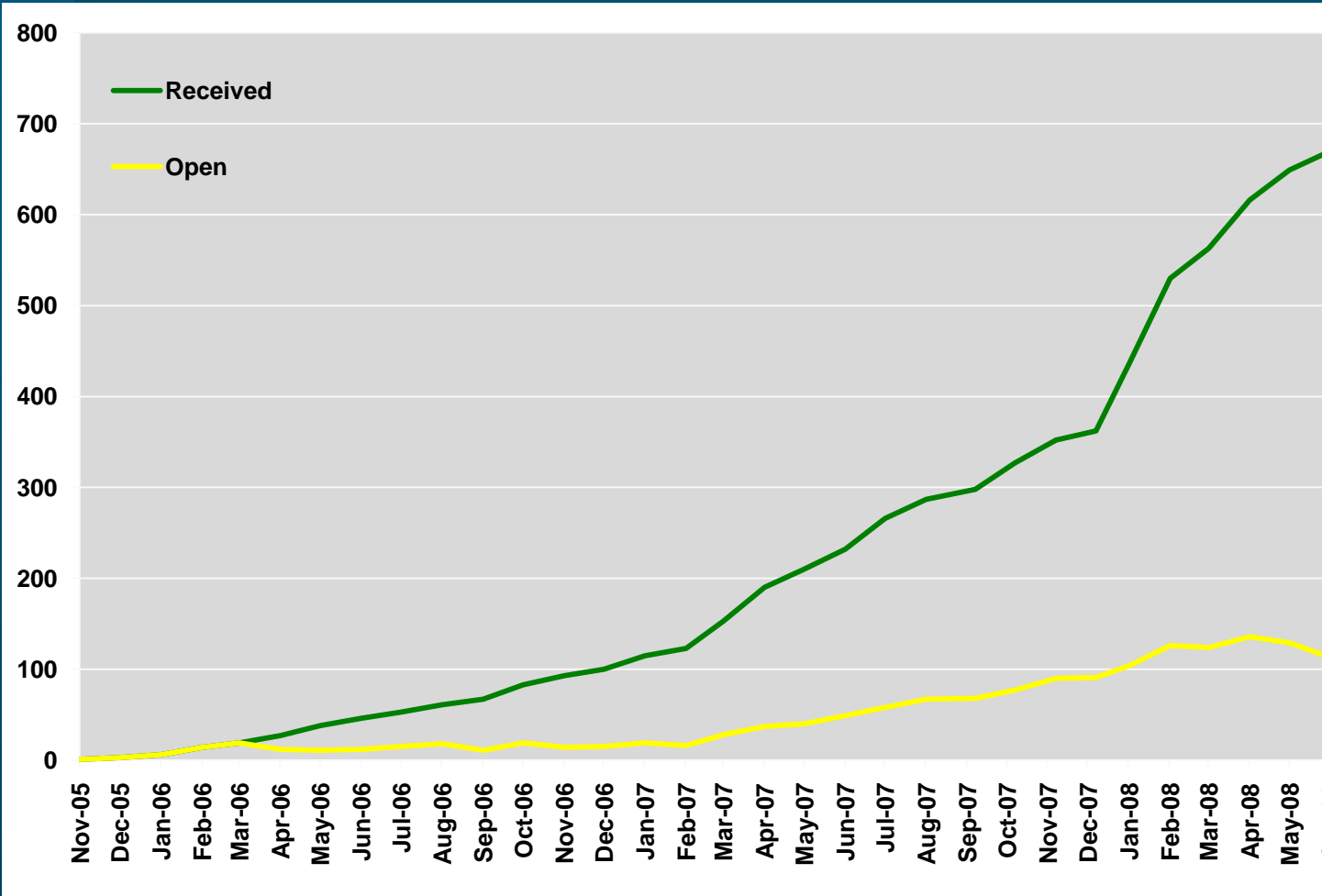
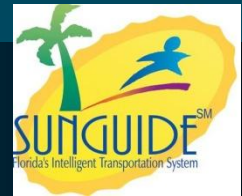
Footprints Issues Status



	NEW	OPEN	CLOSED	TOTAL
<i>Jun-08</i>	21	113	557	670
<i>May-08</i>	33	129	520	649
<i>Apr-08</i>	53	136	480	616
<i>Mar-08</i>	33	124	439	563
<i>Feb-08</i>	94	126	404	530
<i>Jan-08</i>	74	104	332	436
<i>Dec-07</i>	10	91	271	362
<i>Nov-07</i>	25	90	262	352
<i>Oct-07</i>	29	77	250	327
<i>Sep-07</i>	11	68	230	298
<i>Aug-07</i>	21	67	220	287
<i>Jul-07</i>	34	58	208	266

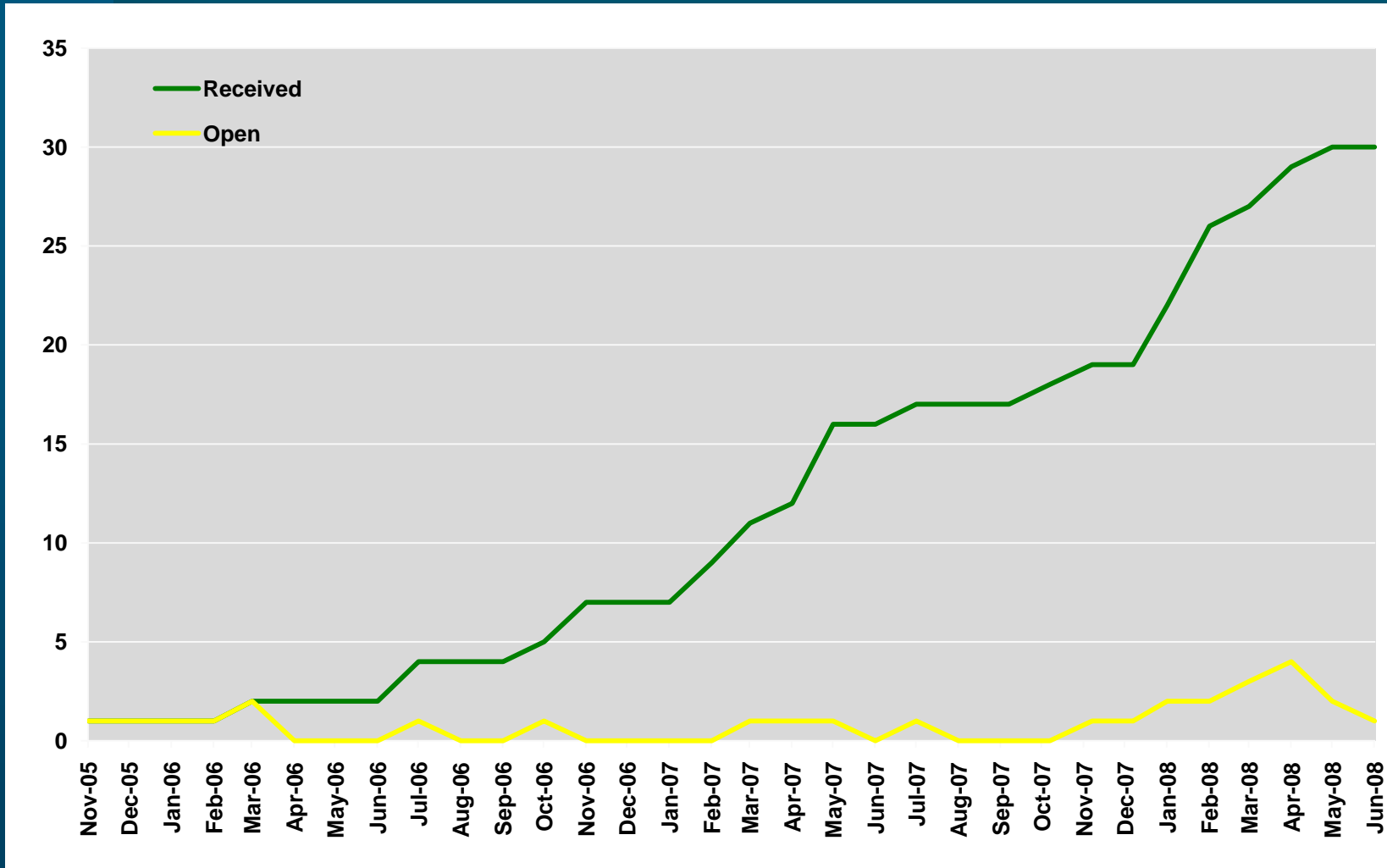


All Issues -- Total vs Open



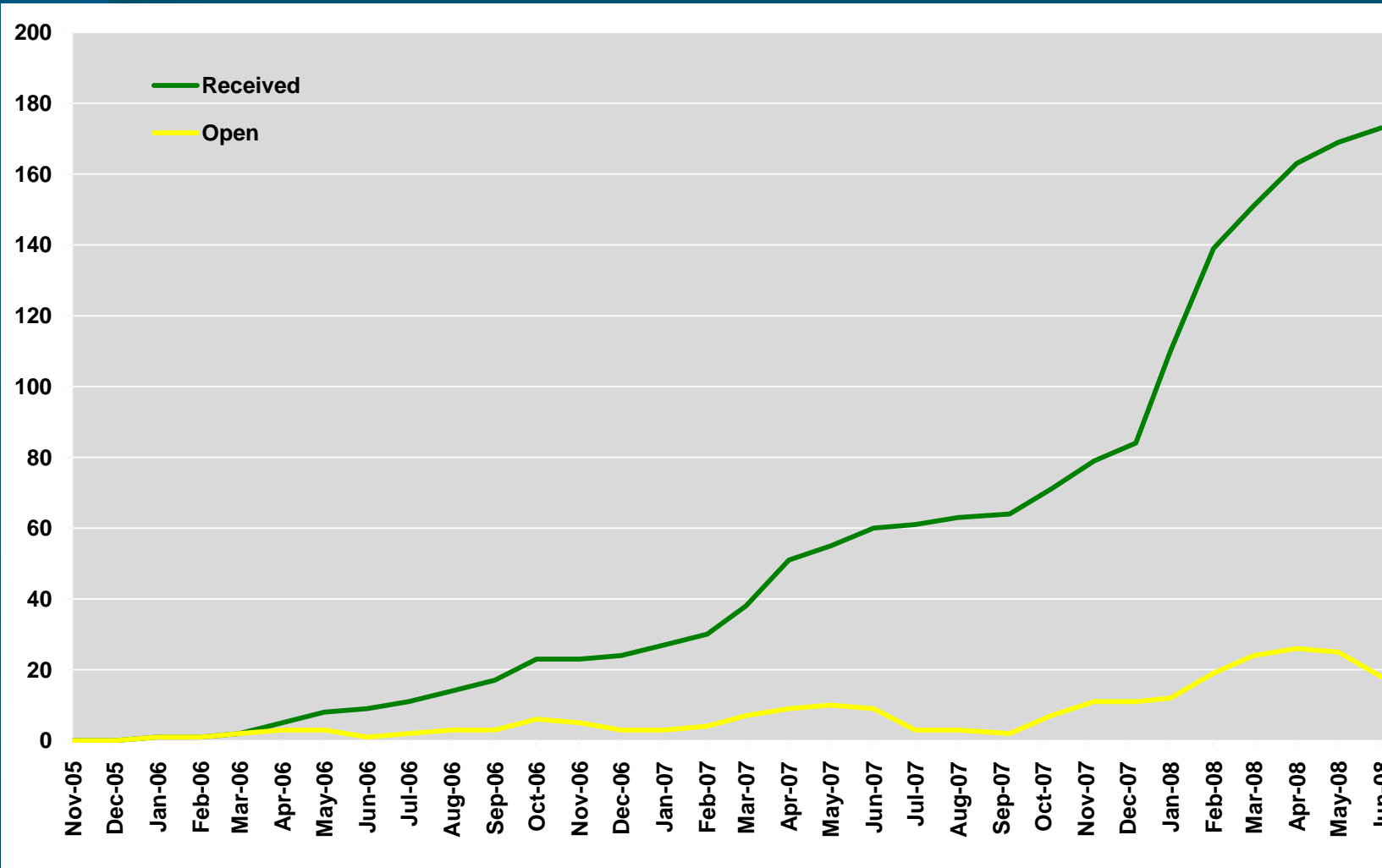
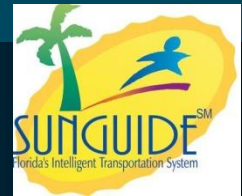


Critical Failures – Total vs Open



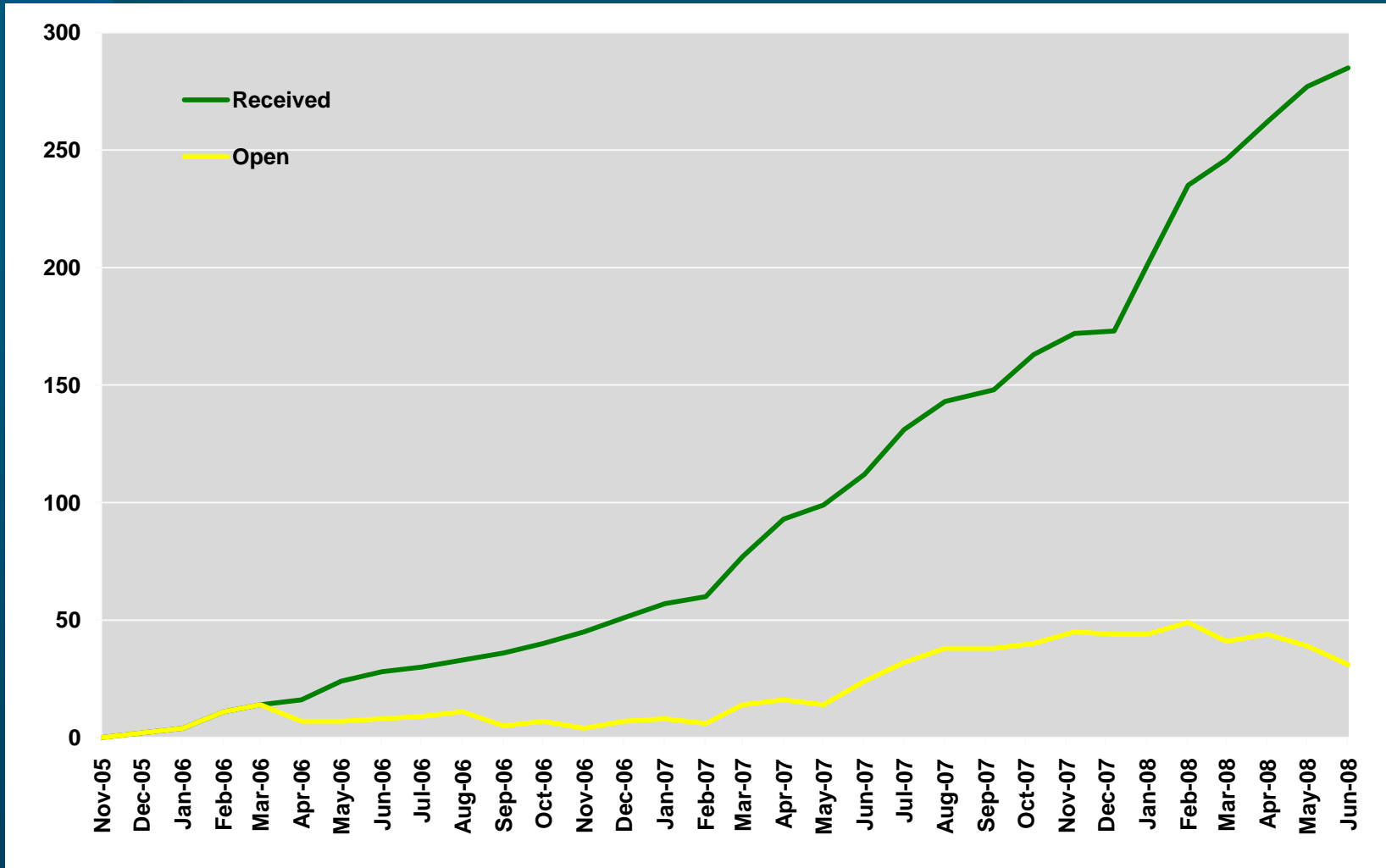
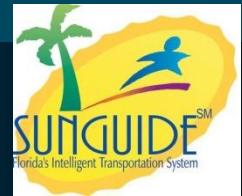


Failures – Total vs Open



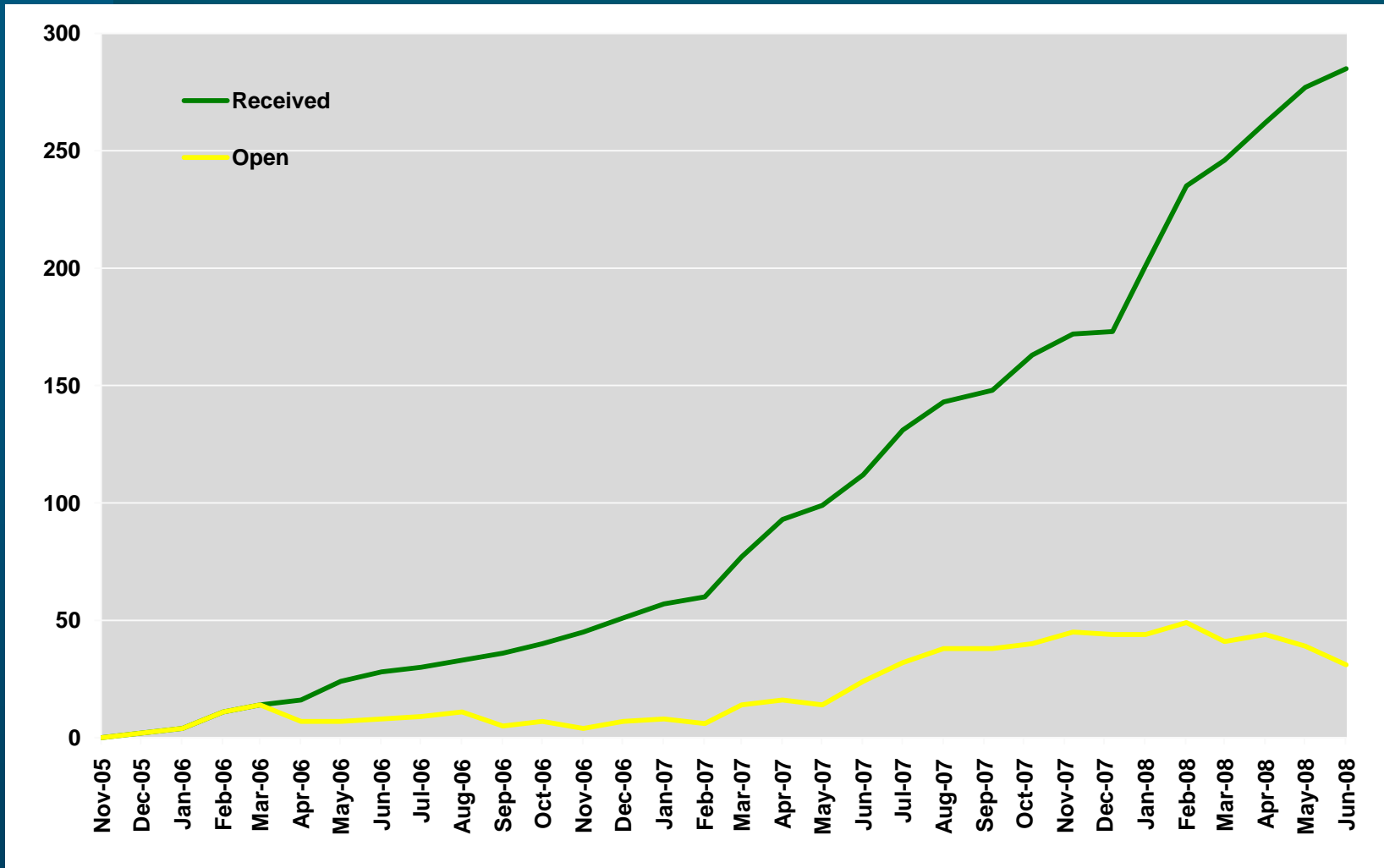


Bugs – Total vs Open





Enhancements – Total vs Open





Footprints Issues: Critical Failures



<u>539</u>	2/29/2008	More Information Requested	Can only use one response plan at a time
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Footprints Issues: Failures



<u>458</u>	2/4/2008	More Information Requested	Web Server crashing
<u>470</u>	2/6/2008	SwRI Reviewing	C2C Subscriber reconnection
<u>491</u>	2/13/2008	Needs FDOT Approval	RPG uses roadway longname instead of shortname
<u>494</u>	2/13/2008	SwRI Reviewing	Arterial roads are not on website (No link at all)
<u>513</u>	2/20/2008	SwRI Reviewing	EM/RR subsystems lose coherency after DB failover
<u>523</u>	2/25/2008	SwRI Reviewing	EM Update Issue - RPG Plan item "Item with the same key" error. This occurred in D6 today as well (see issue 546, which will be closed as a duplicate issue and refer to this original one).



Footprints Issues: Failures (cont)



<u>551</u>	3/10/2008	More Information Requested	DataArchive error connecting to ExecHandler17
<u>552</u>	3/11/2008	More Information Requested	General System Errors
<u>566</u>	3/18/2008	SwRI Reviewing	Road Ranger can be cancelled and departed for same response
<u>570</u>	3/20/2008	SwRI Reviewing	Event location does not show in GUI, updates fail
<u>599</u>	4/16/2008	SwRI Reviewing	C2C not reporting arterial road data (for 511)
<u>629</u>	4/30/2008	More Information Requested	Signs not working in SunGuide
<u>680</u>	6/12/2008	SwRI Reviewing	D6 User cannot authenticate to DMS
<u>683</u>	6/17/2008	SwRI Reviewing	Unable to switch video on external monitors since 3.1.1



Footprints Issues: Bugs



<u>225</u>	6/13/2007	More Information Requested	SAS Subsystem Requires Restart
<u>349</u>	11/12/2007	More Information Requested	Database unable to accept connections from tns listener
<u>360</u>	11/21/2007	SwRI Reviewing	DMS fails to retrieve data after reconfiguring dms sign to type vs1
<u>361</u>	11/27/2007	SwRI Addressing	Sunguide showing false Pixel errors on Signs
<u>389</u>	1/16/2008	SwRI Reviewing	Data Archive not recording TSS detector ID for SunGuide detectors
<u>398</u>	1/16/2008	SwRI Reviewing	EM "No CCTV" checkbox should be unchecked by default
<u>441</u>	1/30/2008	More Information Requested	New User fails to log into TVT
<u>477</u>	2/8/2008	More Information Requested	Response Plan DMS Items not sorted



Footprints Issues: Bugs



<u>521</u>	2/22/2008	More Information Requested	VisioPaD alert didn't disappear for one operator
<u>524</u>	2/25/2008	More Information Requested	Alert sound occasionally is loud distortion
<u>525</u>	2/25/2008	More Information Requested	.NET Error
<u>533</u>	2/27/2008	SwRI Reviewing	One of the Audit features for EM does not work
<u>537</u>	2/28/2008	SwRI Reviewing	EM Event does not have any signs that we can Assign to the event
<u>542</u>	2/29/2008	SwRI Reviewing	Right Shoulder Blockage described as "Left Shoulder Blocked"
<u>547</u>	3/6/2008	More Information Requested	EM Congestion section missing Reference points
<u>555</u>	3/12/2008	SwRI Reviewing	Subsystems don't authenticate on startup



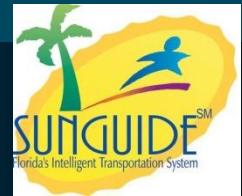
Footprints Issues: Bugs



<u>565</u>	3/18/2008	Needs FDOT Approval	RPG DMS Radius / Message Priority
<u>574</u>	3/25/2008	More Information Requested	DMS/RPG messaging issue w/unapproved words
<u>580</u>	4/3/2008	SwRI Reviewing	Unable to link manually posted DMS message to an event
<u>592</u>	4/9/2008	More Information Requested	GUI/Browser hangups force restart of computer 5-10 times a day, possible memory leak?
<u>593</u>	4/9/2008	More Information Requested	Closed EM Events not leaving SunGuide since patch 4
<u>601</u>	4/16/2008	SwRI Reviewing	New error with Event_Stat_DMS report
<u>608</u>	4/21/2008	More Information Requested	TSS occasionally not updating status on map
<u>610</u>	4/22/2008	SwRI Addressing	DMS Message library disappears when it is renamed



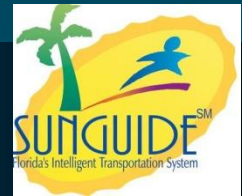
Footprints Issues: Bugs



<u>621</u>	4/28/2008	SwRI Reviewing	Closed events do not disappear.
<u>627</u>	4/29/2008	More Information Requested	TVT does not log in (stops at Authenticating)
<u>631</u>	5/6/2008	SwRI Reviewing	Unable to save location
<u>636</u>	5/7/2008	SwRI Reviewing	Failure to "Depart" a Road Ranger
<u>648</u>	5/19/2008	SwRI Addressing	Failure to add user
<u>659</u>	5/23/2008	SwRI Reviewing	EM/MAS error handling a missing message item in the queue
<u>678</u>	6/9/2008	SwRI Reviewing	Report filter from/to locations does not work, event list does not show from/to location filter



Footprints Issues: Enhancements



<u>51</u>	6/6/2006	SwRI Addressing	TVT messages with multiple destinations but missing data
<u>101</u>	11/30/2006	More Information Requested	Detectors reporting 0-0-0 for both no vehicles (empty roadway), and stopped vehicles (congestion)
<u>102</u>	11/30/2006	Needs FDOT Approval	Allow 'failed' devices to still periodically poll
<u>116</u>	1/18/2007	Needs FDOT Approval	Improvement to Admin Editor device pages
<u>183</u>	4/11/2007	Needs FDOT Approval	Admin Editor/IM/Device Templates/Road Closed Template
<u>214</u>	5/16/2007	Needs FDOT Approval	Running SunGuide GUI without opening the map
<u>216</u>	5/17/2007	Needs FDOT Approval	Allow events to specify multiple directions
<u>222</u>	6/4/2007	Needs FDOT Approval	Need character limitation increased from 30 to 50



Footprints Issues: Enhancements



<u>232</u>	6/27/2007	Needs FDOT Approval	Admin Editor manufacturer pick lists
<u>266</u>	7/20/2007	Needs FDOT Approval	DMS Temp Error
<u>270</u>	7/24/2007	Needs FDOT Approval	Wavetronix HD working in SunGuide
<u>271</u>	7/24/2007	More Information Requested	DMS Message activation using "Detailed DMS Status" dialog
<u>283</u>	8/6/2007	Needs FDOT Approval	CCTV Auto Focus
<u>286</u>	8/9/2007	Needs FDOT Approval	SAS Subsystem: Admin editor permission to allow/deny Terminate Plan
<u>287</u>	8/9/2007	Needs FDOT Approval	Camera-by-Camera Setting
<u>300</u>	8/30/2007	Needs FDOT Approval	SAS Subsystem



Footprints Issues: Enhancements



<u>304</u>	9/10/2007	Needs FDOT Approval	Arrival Timestamp for AVL/RR Interface
<u>305</u>	9/11/2007	Needs FDOT Approval	Admin Editor should check input strings for legality
<u>317</u>	10/2/2007	Needs FDOT Approval	DMS GUI should show the communication with the signs to aid in understanding why DMS signs are failing
<u>339</u>	10/30/2007	Needs FDOT Approval	Add "remind" message box in SunGuide
<u>357</u>	11/17/2007	Needs FDOT Approval	Change behavior of "Blank Sign" button on DMS Detailed Status screen
<u>384</u>	1/14/2008	Needs FDOT Approval	Event Manager Enhancement suggestions from Jason Summerfield
<u>386</u>	1/14/2008	SwRI Reviewing	SunGuide R3.0.2 Enhancement Requests
<u>402</u>	1/16/2008	Needs FDOT Approval	Response Plans for Cleared Lanes



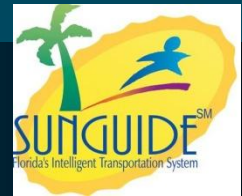
Footprints Issues: Enhancements



<u>411</u>	1/17/2008	SwRI Reviewing	CCTV/preset entry forces event active
<u>412</u>	1/17/2008	Needs FDOT Approval	Incorrect DMS Radius - RPG Severity
<u>426</u>	1/24/2008	SwRI Reviewing	Change displayed field for Reference points in EM
<u>427</u>	1/24/2008	Needs FDOT Approval	Allow configurable event type wording for RPG
<u>430</u>	1/28/2008	Needs FDOT Approval	Status bar recommended
<u>442</u>	1/30/2008	More Information Requested	Travel Time links continue to post after OOCEA data feed has no data for TSS links
<u>447</u>	1/31/2008	Needs FDOT Approval	ability to "disable/cease use" of entire roadway
<u>448</u>	1/31/2008	Needs FDOT Approval	ability to manipulate sorting of roadway



Footprints Issues: Enhancements



<u>449</u>	1/31/2008	Needs FDOT Approval	EMPM Location of Exit Drop down list should be altered to allow view of text.
<u>464</u>	2/6/2008	Needs FDOT Approval	Add DMS to Plan w/o Library Search
<u>483</u>	2/12/2008	More Information Requested	RPG wording when handling Ramps
<u>485</u>	2/12/2008	Needs FDOT Approval	User Group Permission Changes
<u>493</u>	2/13/2008	Needs FDOT Approval	DMS Virtual Driver
<u>497</u>	2/15/2008	Needs FDOT Approval	Counties grayed out on the Congestion area of EM
<u>498</u>	2/18/2008	Needs FDOT Approval	Cloned Event Emails
<u>516</u>	2/21/2008	SwRI Reviewing	CCTV selected and preset should be copied on event clone



Footprints Issues: Enhancements



<u>536</u>	2/28/2008	SwRI Addressing	GUI Performance Problems
<u>540</u>	2/29/2008	SwRI Reviewing	File versioning confusion
<u>564</u>	3/17/2008	SwRI Reviewing	Remove List Options without Deleting
<u>567</u>	3/18/2008	More Information Requested	Status Logger Message Evaluation
<u>581</u>	4/3/2008	Needs FDOT Approval	SunGuide Installer Program
<u>583</u>	4/3/2008	Needs FDOT Approval	Warn operators when closing an event with response plan active
<u>598</u>	4/15/2008	Needs FDOT Approval	Options for displaying Event icons on Map
<u>607</u>	4/21/2008	More Information Requested	VSL Sign Failure



Footprints Issues: Enhancements



<u>611</u>	4/22/2008	Needs FDOT Approval	Suggested Response Plan - Refresh current plan items
<u>612</u>	4/22/2008	Needs FDOT Approval	Set CCTV for event - VisioPaD and Add Event
<u>615</u>	4/23/2008	Needs FDOT Approval	Video Switching support of MPEG-4 encoding for teleste video sources
<u>628</u>	4/29/2008	Needs FDOT Approval	Provide Message Library-type functionality for Predefined Response Plans
<u>641</u>	5/14/2008	Needs FDOT Approval	RPG doesn't display error to operator if a generated message doesn't fit on a sign
<u>651</u>	5/21/2008	Needs FDOT Approval	Additional Audit Features / Reopen Closed Events
<u>652</u>	5/22/2008	Needs FDOT Approval	Reopen 613: Selection of DMS for entry ramp message
<u>653</u>	5/22/2008	Needs FDOT Approval	IDS TSS Alarms, Link-based option



Footprints Issues: Enhancements



<u>654</u>	5/22/2008	Needs FDOT Approval	RPG Amber Alert templates don't have vehicle state option, email punctuation is wrong
<u>658</u>	5/23/2008	Needs FDOT Approval	Ability to filter by Road Ranger Activity
<u>660</u>	5/23/2008	Needs FDOT Approval	Sorting for new Admin Editor screens
<u>667</u>	6/3/2008	Needs FDOT Approval	QA Report: propose new report title



Footprints Issue 101 & 503

- **Footprints #101**
 - Reported by D4 (Vahle)
 - Detector reports 0-0-0 for SOV
 - When no traffic
 - With stopped traffic
 - Different manufacturers report different results
- **Footprints #503**
 - Reported by D2 (Summerfield)
 - “Non-sensical” values for travel time
- **Of Detectors and Travel Times**



Footprints Issue 222



After inputting over 100 detectors, mapping them and placing the links I have been informed there is a 30 character limit on link descriptions and names. Hector said this could be increased rather than completely redoing something that would take a week. If all possible we need this done so I can have everything up and running before SunGuide (Hector) visits next week.

While waiting for a response.....I went back in and changed all of them. The names of devices and links needs more than 30 characters. Especially if we are going to conform to the latest NTCIP naming convention. When I put this footprint in it was due to the travel time links. I went back and changed all 100 of them.



Footprints Issue 222 (cont)

- **NTCIP 1104 v01.09**
 - {Object Name} ::= {CountryID} "/" {StateID} "/" {OwnerID} "/" {CenterID} "/" {ObjectKind} "/" {ObjectType} "/" {ObjectInstance}
 - Example: US/FL/D4/BC/Device/DMS/95NB27
- **Is the 30 character limit too small?**
 - Keep 30 character limit
 - Review all naming limits
- **Impacts:**
 - Database
 - Admin editor
 - GUI



Footprints Issue 447

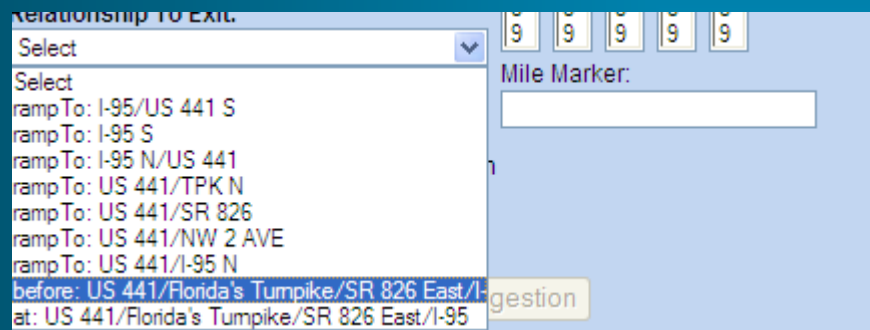
- The ability to "disable/cease use" of entire roadway would be a useful tool. I think this will be vital when all the Districts start using center-to-center.
- Roadways in SunGuide are multipurpose
 - EM locations / reference points
 - Device locations
 - Response plans
- Requested enhancement would differentiate between uses and allow selective roadway visibility to subsystems



Footprints Issue 449



“In EM, Event Details, Location of Exit Drop down list there should be alteration to allow complete view of the text within the dropdown box. A solution should be considered whether it is to limit the number of characters, wrap the text, expands the drop down box, or allows for the user to use the technique of clicking inside the drop down box to scroll to the right to view the end of the selection.”





Footprints Issue 449 (cont)



- Typically IE will dynamically size the width of drop down box to accommodate longest item(s)
 - Lose control of layout precision
 - Some drop down box widths are forced
- Alternatives:
 - Remove “force” this drop down box
 - Make wider (how wide) and adjust remainder of GUI
 - Change as they are identified
 - Review all and ask for FDOT input



Footprints Issue 564



It is often necessary to remove items from lists of options available to operators, but to retain those values in the database, in order to ensure that the database data integrity is maintained, especially for historical reporting. For example, removal of operators and road ranger drivers is very common, yet they cannot be removed and still produce reports that identify the operator or driver. Similarly, equipment, messages, response plans, status options, etc. may be removed from option lists, but must still exist to in order to generate complete and accurate incident reports. In effect, any data that can be presented to an operator for selection is affected.



Footprints Issue 564 (cont)

- “EM data” is tagged with “ceased_use,” not deleted or updated in place
- Majority changes to “configuration” data is not tracked (updated in place or deleted)
- Changes necessary:
 - Identify what needs to be tracked (everything)
 - Modify database tables
 - Modify Admin editor to tagged not update in place
 - Modify queries to request “latest”
- Implement with change to Oracle 11



Change Management Board



BREAK



Change Management Board



SunGuide™ Software Release 3.1.2 Requirements to Support I-95 Express

David Chang

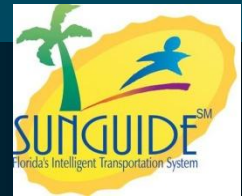


Issue Review/History

- **During Release 3.1 FAT, FDOT D4 requested a toll rate history table be included on GUI**
 - Location to side of signs
 - Limited to current date
 - Past and future rates
- **Design Review Meeting held on June 5, 08**
- **SwRI reviewed the request and prepared a white paper with 3 options:**
 - **Option 1 –implemented a toll rate history table based on current 3.1 design. It was decided this would in Release 3.1.1 (see next slide)**



Issue Review/History (Current 3.1.1 Implementation)



Segment ID	Status	Associated Events	Current Rate	Next Rate	Displays																														
95NB-Test			05-28-2008 09:57 - \$0.00		Show All Hide All Hide																														
Set Override Mode <table border="1"> <thead> <tr> <th>Scheduled</th> <th>Effective</th> <th>Rate</th> </tr> </thead> <tbody> <tr> <td colspan="3">Wednesday, May 28, 2008</td> </tr> <tr> <td>09:57:04</td> <td></td> <td>\$0.00</td> </tr> </tbody> </table>						Scheduled	Effective	Rate	Wednesday, May 28, 2008			09:57:04		\$0.00																					
Scheduled	Effective	Rate																																	
Wednesday, May 28, 2008																																			
09:57:04		\$0.00																																	
D6 Segment Northbound	Normal		05-28-2008 14:00 - \$2.00	05-28-2008 15:00 - \$3.00	Hide																														
Set Override Mode <table border="1"> <thead> <tr> <th>Scheduled</th> <th>Effective</th> <th>Rate</th> </tr> </thead> <tbody> <tr> <td colspan="3">Wednesday, May 28, 2008</td> </tr> <tr> <td>09:57:08</td> <td>09:59:36</td> <td>\$2.00</td> </tr> <tr> <td>13:00:00</td> <td>13:01:30</td> <td>\$1.00</td> </tr> <tr> <td>14:00:00</td> <td>14:02:30</td> <td>\$2.00</td> </tr> <tr> <td>15:00:00</td> <td></td> <td>\$3.00</td> </tr> <tr> <td>16:00:00</td> <td></td> <td>\$4.00</td> </tr> <tr> <td>17:15:00</td> <td></td> <td>\$5.15</td> </tr> <tr> <td colspan="3">Thursday, May 29, 2008</td> </tr> <tr> <td>00:00:00</td> <td></td> <td>\$0.00</td> </tr> </tbody> </table>						Scheduled	Effective	Rate	Wednesday, May 28, 2008			09:57:08	09:59:36	\$2.00	13:00:00	13:01:30	\$1.00	14:00:00	14:02:30	\$2.00	15:00:00		\$3.00	16:00:00		\$4.00	17:15:00		\$5.15	Thursday, May 29, 2008			00:00:00		\$0.00
Scheduled	Effective	Rate																																	
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16:00:00		\$4.00																																	
17:15:00		\$5.15																																	
Thursday, May 29, 2008																																			
00:00:00		\$0.00																																	
I-95 NB Toll Rate 1	I-95 NB Toll Rate 2	Toll Gantry																																	
TEST \$2.00	TEST \$2.00	test \$2.00																																	
D6 Segment Southbound	Congested Rate		05-28-2008 10:13 - \$1.33		Hide																														
Set Override Mode <table border="1"> <thead> <tr> <th>Scheduled</th> <th>Effective</th> <th>Rate</th> </tr> </thead> <tbody> <tr> <td colspan="3">Wednesday, May 28, 2008</td> </tr> <tr> <td>00:00:00</td> <td>-</td> <td>\$0.00</td> </tr> <tr> <td>09:57:08</td> <td>09:59:51</td> <td>\$0.00</td> </tr> <tr> <td>10:13:30</td> <td>10:16:45</td> <td>\$1.33</td> </tr> <tr> <td>20:00:00</td> <td>-</td> <td>\$0.00</td> </tr> <tr> <td>21:15:00</td> <td>-</td> <td>\$0.15</td> </tr> <tr> <td>21:30:00</td> <td>-</td> <td>\$0.30</td> </tr> <tr> <td>21:45:00</td> <td>-</td> <td>\$0.45</td> </tr> <tr> <td>00:00:00</td> <td>-</td> <td>\$1.00</td> </tr> </tbody> </table>						Scheduled	Effective	Rate	Wednesday, May 28, 2008			00:00:00	-	\$0.00	09:57:08	09:59:51	\$0.00	10:13:30	10:16:45	\$1.33	20:00:00	-	\$0.00	21:15:00	-	\$0.15	21:30:00	-	\$0.30	21:45:00	-	\$0.45	00:00:00	-	\$1.00
Scheduled	Effective	Rate																																	
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20:00:00	-	\$0.00																																	
21:15:00	-	\$0.15																																	
21:30:00	-	\$0.30																																	
21:45:00	-	\$0.45																																	
00:00:00	-	\$1.00																																	
10th Ave NB 1	10th Ave NB 2	failed sign																																	
test \$1.33	test \$1.33	failed																																	



Issue Review/History

- Option 2 – based on email discussion on May 5, a modified design was submitted by FDOT.

Date	Time	Schedule \$	Charged \$	Override
5/4/2008	23:30-23:45	.30	.30	No
5/4/2088	23:45-00:00	.25	.25	No
Monday May 5, 2008				
5/5/2008	00:00-00:15	.20	.20	No

- Option 3 – SwRI suggested slight modification to the “Override” column in Option 2 to include owner along with override type. FDOT D4 and D6 preferred this option.

Date	Time	Schedule \$	Charged \$	Owner/Override
5/4/2008	23:30-23:45	.30	.30	JDoe/Open
5/4/2088	23:45-00:00	.25	.25	Daily Rate
Monday May 5, 2008				
5/5/2008	00:00-00:15	.20	.20	Daily Rate



Requirements

- **ML027U** The Express Lanes tabbed GUI shall provide a rate table for each segment.
- **ML027U2** The Express Lanes tabbed GUI shall allow an operator to selectively display or hide the rate table for each segment.
- **ML027U3** The rate table of the Express Lanes tabbed GUI shall include a list of rates charged during the current day.
- **ML027U4** The rate table of the Express Lanes tabbed GUI shall include a list of rates charged during a configurable number of days before the current day.
- **ML026A** The number of days before the current day included in the rate table of the Express Lanes tabbed GUI shall be specified in the SunGuide configuration file.



Requirements - Cont

- **ML027U5** The rate table of the Express Lanes tabbed GUI shall include a list of rates scheduled to be charged during the remainder of the current day.
- **ML027U6** The rate table of the Express Lanes tabbed GUI shall include a list of rates scheduled to be charged during a configurable number of days beyond the current day.
- **ML027A** The number of days beyond the current day included in the rate table of the Express Lanes tabbed GUI shall be specified in the SunGuide configuration file.
- **ML027U7** The rate table of the Express Lanes tabbed GUI shall display rates other than the normally scheduled daily rates in a visually distinct manner.
- **ML027U1** The rate table shall contain a start date, start time, effective time, scheduled rate, charged rate, override mode and owner field.



SunGuide Release 3.1.2



- Enhancement Cost is covered through D6 95 Express Support Funding
- ***Vote***



Change Management Board



SunGuide Software Release 4.0 Requirements to Support FL-ATIS (Suggested Deletions and Modifications)

Erik Gaarder



Confidence Index



- Delete Requirements – DF021, DF021F, DF021F1
- Cost saving: \$ 4,690
- Justification:
 - Requirements contained a “confidence index” to be used with events, all confirmed events should be “100% confident” based on FDOT’s current operations paradigm.



Confidence Index

- Delete Requirements – **DF021, DF021F, DF021F1**
 - **XDF021**: The Data Fusion Subsystem shall identify the reliability of each traveler information event reported by automatically assigning a Confidence Index based on the source of the event reported.
 - **XDF021F**: The Data Fusion component shall assign the following confidence index value (CIV) to an event based on the source reporting the event as follows: 100 Operator verified via CCTV; 80 Road Ranger verified; 60 Notified via FHP (CAD Interface); 40 Incident Detection through TSS Alert; 20 FDOT Construction or Maintenance; 10 Public call-in via 511 feedback.
 - **XDF021F1**: The confidence index value and source of the event shall be able to be configured through the SunGuide Admin Editor.



Reminders, Alerts, and Pop-ups

- Delete Requirements – DF008G, DF008G1, DF010G3, DF024G, DF024G1, DF024G2
- Cost saving: \$ 7,916
- Justification:
 - Staying in sync with how R3.0 treats reminders, alerts, and popups



Reminders, Alerts, and Pop-ups

- Delete Requirements – **DF008G, DF008G1, DF010G3**
 - **XDF008G**: The Graphical User Interface component shall allow a SunGuide operator to enter a time duration for each event created for the data fusion component that after expiration of the time will remind the operator of an ongoing traveler information event.
 - **XDF008G1**: Default time duration shall be configurable for each event created for the data fusion component.
 - **XDF010G3**: When an operator logs off SunGuide, any events owned by that operator become un-owned and the events are highlighted and alerts are sent to all logged on SunGuide workstations that there is an un-owned event(s) in the system.



Reminders, Alerts, and Pop-ups

- Delete Requirements – DF024G, DF024G1, DF024G2
 - XDF024G: The SunGuide GUI shall use a popup alert to remind the operator that one or more events are still active after 24 hours.
 - XDF024G1: The popup alert shall be visible to all operators logged on to the SunGuide system.
 - XDF024G2: The popup alert shall remain visible on the SunGuide operator's display until at least one operator confirms acknowledgement of the alert by clicking on a button on the popup that will cause the popup to disappear for a configurable amount of time after which it will reassert itself until an operator again acknowledges it.



EM Location



- **Modify Requirement – DF004G2**
 - Current Req. text:
 - DF004G2 – An event may be geographically located as a section of roadway from a beginning point to an ending point specified by the operator clicking on the section of roadway of interest. This would typically be used to indicate a section of highway closed due to flooding.
 - Modified Req. text:
 - DF004G2 – A congestion event may be geographically located as a section of roadway by selecting a starting EM location and an ending EM location.
- **Justification:** The EM location paradigm in R3.0 allows a start/end EM location for congestion events only.
- **Cost impact:** None



EM Location



- Modify Requirement – DF004G3
 - Current Req. text:
 - DF004G3 – An event may be geographically located in an area location by selecting a defined geographic area from a drop down menu of covered roads. The coordinates of the area will be the center of the area and would typically be used to indicate a city wide event effecting traffic.
 - Modified Req. text:
 - DF004G3 – An event may be geographically located in an area location by selecting a EM location from a drop down list of configured EM Locations. The comments field of the event shall be used to indicate a region wide event effecting traffic.
- Justification: Requirement needs to be consistent with R3.0 EM location concept.
- Cost impact: None



Icons



- Delete Requirement – **DF005G1**
 - **XDF005G1** – The icon shall be able to visually indicate the priority or severity of the incident.
- Justification: The icons on the map are small and there are a number of different ones displayed, trying to add this level of detail will further “clutter” the icons on the map – it is easy to add but SwRI believes the map view is already cluttered enough.
- Cost impact: reduction of \$ 566



Offset Value



- Modify Requirement – DF004G4
 - Current Req. text:
 - DF004G4 – SunGuide shall report an offset distance when publishing an event to C2C. Distance \leq one mile shall be reported to the nearest quarter mile; distance $>$ one mile and \leq five miles shall be reported to the nearest half mile; distance $>$ five miles and \leq 10.5 miles shall be to the nearest mile and distances $>$ 10.5 miles shall reported as 10 miles.
 - Modified Req. text:
 - DF004G4 – SunGuide shall report an offset distance when publishing an event location via C2C.
- Justification: During all of the FL-ATIS “location” discussions it was decided to implement the EM location approach used in R3.0, offset has been provided in the revised C2C ICD, also, FL-ATIS simply wants an offset “value”. Also changed terminology to DFS from C2C.
- Cost impact: none



Floodgate



- **Modify Requirement – FG001**
 - Current Req. text
 - FG001 – The SunGuide floodgate GUI shall allow the operator to select severity, region, county, city, roadway and travel time link for each floodgate message.
 - Modified Req. text
 - FG001 – The SunGuide floodgate GUI shall allow the operator to select a Floodgate message to edit based on the FDOT statewide Floodgate naming convention.
- **Justification:** The Floodgate GUI has been reviewed by FDOT; the “Eli” Excel Spreadsheet is being used as the naming (selection) approach for selecting Floodgate messages.
- **Cost impact:** None



Floodgate



- Delete Requirement – **DF027G**
 - **XDF027G** – The SunGuide floodgate GUI shall allow the operator to select severity, region, county, city, roadway and travel time link for each floodgate message.
- Justifications: Duplicate of FG001 that was added as part of SWAM #15
- Cost impact: None



Data



- Delete Requirement – **DF009G2**
 - **XDF009G2** – The DFS shall transmit a file listing the busiest travel direction on covered roadways by time of day to the IDS at least 4 times a day.
- Justification: The DFS (C2C) does NOT have the ability to transmit “files” – traffic conditions data is continuously transmitted. FL-ATIS also has no “need” (requirement) for this data – it is not defined in the C2C ICD. Change requirement to how the ICD evolved based on FL-ATIS requirements.
- Cost impact: Reduction of \$ 4,690



Data



- **Modify Requirement – DF007F**
 - Current Req. text
 - DF007F – For automated speed and/or travel time reports; the Data Fusion component shall include the following fields: Latitude; Longitude; District; Roadway affected; Segment affected; Lane blockage; Nearest interchange or cross street or mile marker; Direction of travel; Source of the data (metadata); Travel speed; Travel Time.
 - Modified Req. text
 - DF007F – The data provided by the DFS shall be documented in a Center-to-Center Interface Control Document (ICD).
- **Justification: Change the requirement to meet the design as it has evolved.**
- **Cost impact: none**



Data



- **Modify Requirement – DF005**
 - Current Req. text
 - DF005 – The Data Fusion subsystem shall support the capability for the operator or other authorized users to perform quality checks and modify input data from external sources.
 - Modified Req. text
 - DF005 – SunGuide shall support the capability for the operator to validate or alter event data received from external sources.
- **Justification: Change terminology to be consistent with the implementation (this only applies to Event type data – note that weather data from DTN comes in as events).**
- **Cost impact: None**



Help



- Delete Requirements – **DF023, DF014G**
 - **XDF023** – The Data Fusion Subsystem shall provide context sensitive help for operators and administrators of the subsystem.
 - **XDF014G** – The Graphical User Interface shall provide context sensitive help to the SunGuide operator or administrator when requested for traveler information functions.
- Justification: There is NO GUI for the DFS – its functionality/configuration is described in the SUM, VDD and admin training.
- Cost impact: reduction of \$ 4,680



Third Party Feed

- Modify Requirement – DF025G:
 - Current Req. text
 - DF025G – The SunGuide GUI shall provide the means for a SunGuide operator with appropriate permissions to be able to designate who will have limited access and which shall have full access to the third party data feed.
 - Modified Req. text
 - DF025G – SunGuide shall be configurable as to what data is available to third party users using Center-to-Center.
- Justification: The SG admin specifies permissions for operators and what they can do
- Cost impact: none



Travel Times



- **Modify Requirement – DF019G1:**
 - Current Req. text
 - DF019G1 – The SunGuide operator with appropriate permissions may indicate that the IDS shall provide delay times rather than travel times.
 - Modified Req. text
 - DF019G1 – SunGuide shall provide both travel times and delays for Travel Time links.
- **Justification:** The requirement is imposing “IDS functionality”
 - SunGuide can ONLY provide data to the IDS, what the IDS does is a function of the FL-ATIS team. SG will provide delay time as well as travel times to the DFS – the receiver of the data can determine what is displayed.
- **Cost impact:** none



Alternate Road



- **Modify Requirement – TM003G**
 - Current Req. text:
 - TM003G – The SunGuide operator shall be able to specify up to 5 alternate routes called diversion routes for each main route defined.
 - Modified Req. text:
 - TM003G – The SunGuide operator shall be able to select either a primary or a secondary alternative road for each EM location.
- **Justification:** Being requested to meet FDOT requested functionality - this was addressed in design meetings and GUI approvals provided by FDOT
- **Cost impact:** none



Event Management



- Delete Requirement – **DF010F**
 - **XDF010F** – The Data Fusion Component shall associate events with their severity and process the events in order of the most important first and the routine last.
- Justification: The FDOT Event ConOps is to provide potential alerts in an alert bar (and window) – requirement being modified to be consistent with current approach.
- Cost impact: none



DFS



- Delete Requirement – **DF011F3**
 - **XDF011F3** – The Data Fusion components shall be able to incorporate predictive travel information if available.
- Justification: SwRI believes that “predicative” travel time was removed (funding was not allocated) – this requirement seems to be a left-over artifact that may not have been deleted (still in SwRI’s requirements database)
- Cost impact: none



DFS



- **Modify Requirement – DF001**
 - Current Req. text:
 - DF001 – The Data Fusion subsystem shall have the ability to extract data from data streams, resolve any conflicts in the data and compose relevant traveler information messages for transmission to other agencies or private entities and to the Information Dissemination Subsystem.
 - Modified Req. text:
 - DF001 – The Data Fusion subsystem shall have the ability to extract data from data streams, resolve conflicts in the data and present alerts to the SunGuide operator for approval and transmission to DFS.
- **Justification: Make language consistent with expected functionality discussed in design reviews.**
- **Cost impact: none**



Logic



- Modify Requirement – DF013F
 - Current Req. text
 - DF013F – The Data Fusion component shall provide automatic checks for simple logic within the input data feed.
 - Modified Req. text
 - DF013F – The Data Fusion component shall receive data from external sources using XML documented in an ICD.
- Justification: Over time the interfaces to third party sources (e.g. DTN) have evolved to an XML interface using a web service – this change is to document what has been agreed to.
- Cost impact: none



Logic



- Delete Requirement – **DF013F1**
 - **XDF013F1** – Simple logic shall be defined as verification that received data is of the format expected such as an integer number is received that is within the bounds defined by the ICD, that data received that indicates a series of related data points be consistent such as a series of speed reports be contiguous with no data greater than two times the difference between previous data points.
- Justification: same as DF013F
- Cost impact: reduction of \$ 4,690



Hardware



- Delete Requirement – **DF030**
 - ~~X~~DF030 – The Data Fusion subsystem shall operate normally in a sheltered environment with a controlled temperature ranging from 60 degrees Fahrenheit (° F) to 90° F, and a non-condensing humidity ranging from 30 percent to 80 percent.
- Justification: At one point there was discussion about SwRI purchasing hardware, since FDOT is purchasing the hardware this requirement is not applicable to SwRI efforts.
- Cost impact: none



Weather



- **Modify Requirement – DF020**
 - Current Req. text:
 - DF020 – The Data Fusion component shall generate events for weather alerts which will be provided at the county level, an operator may either cancel or accept the event. Accepted events will be sent to the IDS via the DFS.
 - Modified Req. text:
 - DF020 – SunGuide shall receive weather alerts from DTN and provide operators with an alert that can be used to cancel or create an event.
- **Justification:** Fixing the requirement text to align with design approach that has evolved with the FL-ATIS (DTN) team.
- **Cost impact:** none



Reports



- **Modify Requirement – DF015F**
 - Current Req. text:
 - DF015F – All reports shall be able to be exported in a minimum of XML or CSV format.
 - Modified Req. text:
 - DF015F – All reports shall be generated in PDF, Word or Excel format.
- **Justification:** Updating the language to be consistent with existing reporting subsystem (and Excel can then export to XML or CSV).
- **Cost impact:** none



Reports



- **Modify Requirement – DF001R**
 - Current Req. text:
 - DF001R – The Data Fusion subsystem shall be able to display a report within 10 seconds of when the last report criteria were entered by the operator and a report was requested.
 - Modified Req. text:
 - DF001R – The Reporting subsystem shall be able to display a report within 10 seconds of when the last report criteria were entered by the operator and a report was requested.
- **Justification: Wording cleanup - Data Fusion reporting is being handled by existing SG Reporting subsystem.**
- **Cost impact: none**



Event Severity



- **Modify Requirement – DF009G1**
 - **Current Req. text:**
 - **DF009G1 – Event severity shall be one of 3 values with the default as routine (1): 3 = Most Severe – Critical; 2 = Important; 1 = Least severe - Routine.**
 - **Modified Req. text:**
 - **DF009G1 – Event severity shall be one of 3 values with the default as Minor (1): 3 = Severe; 2 = Moderate; 1 = Minor.**
- **Justification: Change to be consistent with existing EM terminology.**
- **Cost impact: none**



Requirements to Support FL-ATIS (suggested deletions and modifications)



- Total Cost Saving of: \$ 27,222
- ***Vote***



Change Management Board



SunGuide™ Software Release 4.x Response Plan Enhancement Concept of Operations

Manuel Fontan



SunGuide Software Release 4.X

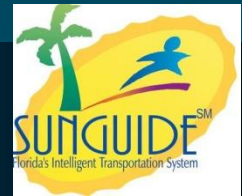


- **Administrative Editor**
 - FP# 183, 427, 448, 426 & 491, 483, 652 & 685, 654
- **DMS**
 - FP# 271 & 357
- **Link & DMS Sequencing Editor**
 - FP# 339
- **Operator GUI**
 - FP# 464
- **Event Management**
 - FP# 216, 260 & 461
- **Event Management & Response Plan Generator**
 - Fused Window with FP#611 plus D6 requested Enhancements
 - FP# 583
- **Predefined Plan Manager**
 - FP# 628
- **RPG Behavior Discussions**
 - FP# 402, 412, 565
- **RPG E-mail**
 - FP# 498
- **Express Lanes RPG Enhancements**



SunGuide Software Release 4.X

Administrative Editor



Existing Conditions FP #183

SunGuide Software Administration Application - Windows Internet Explorer

http://sunguide/SunGuideAdmin/ Live Search

SunGuide™ Administrative Editor

Edit RPG Device Template

Selected Device: (Default DMS)

On road template: dms-on-route

On road ramp template: dms-on-route-ramp

Off road template: dms-off-route

Off road ramp template: dms-off-route-ramp

Road closed template: **1** dms-off-route

Amber alert template: amber-alert

Save and Exit Cancel

Local intranet 100%

Suggested Response Plan - Windows Internet Explorer

Suggested Response Plan Event ID: 166660

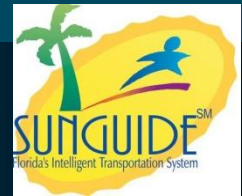
Selected Plan Items: View Selected Devices

DMS	Equipment ID: 39 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 7	I-95 NB ALL LANES CLOSED AT NW 62 ST
DMS	Equipment ID: 105 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 6	I-95 NB ALL LANES CLOSED AT NW 62 ST
DMS	Equipment ID: 38 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 7	I-95 NB ALL LANES CLOSED AT NW 62 ST
DMS	Equipment ID: 40 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 7	I-95 NB ALL LANES CLOSED AT NW 62 ST
DMS	Equipment ID: 104 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 6	I-95 NB ALL LANES CLOSED AT NW 62 ST
DMS	Equipment ID: 77 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 6	I-95 NB ALL LANES CLOSED AT NW 62 ST 1
DMS	Equipment ID: 75 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 4	I-95 NB ALL LANES CLOSED AT NW 62 ST
DMS	Equipment ID: 22 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 2	I-95 NB ALL LANES CLOSED AT NW 62 ST
DMS	Equipment ID: 108 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 6	ALL LANES CLOSED I-95 NB AT NW 62 ST
DMS	Equipment ID: 107 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 2	ALL LANES CLOSED I-95 NB AT NW 62 ST
DMS	Equipment ID: 103 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 4	I-95 NB ALL LANES CLOSED AT NW 62 ST



SunGuide Software Release 4.X

Administrative Editor



Proposed Solution FP #183

The screenshot shows the SunGuide Administrative Editor interface in a Windows Internet Explorer browser window. The browser address bar shows `http://sunguide/SunGuideAdmin/`. The page title is "SunGuide Software Administration Application - Windows Internet Explorer". The main content area is titled "Edit RPG Device Template". On the left, there is a navigation tree with categories like Activity Types, Agencies, Comment Types, Event Status Types, Event Types, Injury Types, Organizations, Location Configuration, Mailing Lists, Mailing Lists Contacts, Procedural Errors, Response Plans, Vehicle Tracking, Weather Conditions, HAR, Incident Detection, Inventory/Maintenance, Reporting, RMS, and RWIS. The "Response Plans" category is expanded, showing sub-items: Abbreviations, Device Templates, and Message Templates. The "Device Templates" sub-item is selected. The main content area contains the following form fields:

Field Name	Value
Selected Device:	(Default DMS)
On road template:	dms-on-route
On road ramp template:	dms-on-route-ramp
Off road template:	dms-off-route
Off road ramp template:	dms-off-route-ramp
On road closed template:	dms-on-route
Off road closed template:	dms-off-route
On road express template:	dms-on-route-el
Off road express template:	dms-off-route-el
On road express closed template:	dms-on-route-el
Off road express closed template:	dms-off-route-el
Amber alert template:	amber-alert

At the bottom of the form are two buttons: "Save and Exit" and "Cancel". A red bracket on the right side of the form groups the template dropdown menus, with a red circle containing the number "1" pointing to the group.



SunGuide Software Release 4.X

Administrative Editor



Existing Conditions FP #427

SunGuide™ Administrative Editor

Edit Event Type

Short Name: Accident

Long Name: Accident

Description: 1

Sort Order: 20 Abandoned Vehicle [10]

Event Category Type: Incident Construction Congestion Disabled Vehicle Abandoned Vehicle Amber Alert Special Event Other

Performance Measures

Buttons: Save and Exit, Cancel

Left sidebar menu: Data Archive, DMS, Express Lanes, Event Management, Agencies, Agencies Contacts, Comment Types, Event Status Types, Event Types, Injury Types, Organizations, Location Configuration, Mailing Lists, Mailing Lists Contacts, Procedural Errors, Response Plans, Vehicle Tracking, Weather Conditions, HAR, Incident Detection

EM Event# 168809 - Windows Internet Explorer

Reporting & Dispatch

Organization: FDOT D6 SunGuide TMC

Notifying Agency: Other

Notifier Contact: OTHER OTHER

Vehicle(s) Dispatch: There are currently no dispatched vehicles.

Procedural Error: There are currently no errors.

Event Details

FHP Incident #: []

Event Type: Special Event HAZMAT Fire Rollover

Nearest CCTV: **2** Abandoned Vehicle Accident Other Other

Vehicles Involved: []

Link to Primary Event: []

Secondary Event: []

Injuries: []

Weather Conditions: []

Comments

Operator: []

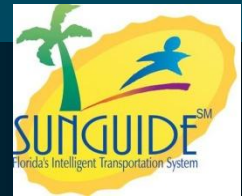
Event History

Date	Category	Details
6/14/2008 9:39:09	OWNER	grulloj



SunGuide Software Release 4.X

Administrative Editor



Proposed Solution FP #427

The screenshot shows the SunGuide Administrative Editor interface in a Windows Internet Explorer browser window. The page title is "SunGuide™ Administrative Editor". On the left is a navigation tree with categories like "Event Management" and "HAR". The main content area is titled "Edit Event Type" and contains the following fields:

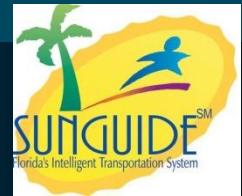
- Short Name:
- Description:
- Word(s) to be shown on:
 - DMS:
 - EM & RS:
 - EMAIL:
 - HAR:
 - 511:
- Sort Order:
- Event Category Type:
 - Incident
 - Construction
 - Congestion
 - Disabled Vehicle
 - Abandoned Vehicle
 - Amber Alert
 - Special Event
 - Other

At the bottom are "Save and Exit" and "Cancel" buttons. A red bracket on the right side of the "Word(s) to be shown on" section groups the DMS, EM & RS, EMAIL, HAR, and 511 fields, with a red circle containing the number "2" next to it.



SunGuide Software Release 4.X

Administrative Editor



Existing Conditions FP #448

SunGuide Software Administration Application - Windows Internet Explorer

http://sunguide/SunGuideAdmin/ Live Search

SunGuide™ Administrative Editor

- Event Management
 - Activity Types
 - Agencies
 - Agencies Contacts
 - Comment Types
 - Event Status Types
 - Event Types
 - Injury Types
 - Organizations
 - Location Configuration
 - Locations
 - Counties
 - Lane Maps
 - Lane Types
 - Reference Points
 - Roadways

Roadways

Card Sound RD
 Florida Turnpike
 I-195
 I-275
 I-395
 I-4
 I-5
 I-595
 I-75
 I-95
 IH-10

Add Edit

Local intranet 100%

EM Event# 168809 - Windows Internet Explorer

Event # 168809 [-] collapse all [+] expand all

Administrative Details Release Ownership Save

Operator: grulloj
 Date/Time Added: 6/13/2008 11:49
 Status: Active
 Status Last Updated: 6/13/2008 11:49

Contacts: There are currently no contacts.

Impact on Roadways Save

Event Location / Congestion: Miami-Dade on OTHER Northbound, At OTHER No Congestion

Event Location

County: Miami-Dade Distance From Exit (ft): 0

Road: OTHER

	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

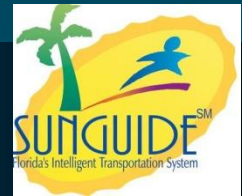
US 1
 I-95
 I-75
 Florida Turnpike
 I-195
 I-395
 MacArthur Causeway
 OTHER
 SR 826

Save Location / Congestion

Lane Blockage / DMS Assignment: No lanes blocked.



SunGuide Software Release 4.X Administrative Editor



Proposed Solution FP #448

SunGuide™ Administrative Editor

Roadways

Counties and Available Directions

- Card Sound RD
- Florida Turnpike
- I-195
- I-275
- I-395
- I-4
- I-5
- I-595
- I-75
- IH-10

Buttons: Add, Edit

Red circle 3: Roadways (in sidebar)

Red circle 3A: Counties and Available Directions (main area)

SunGuide™ Administrative Editor

Edit Roadway

Short Name: 95 Express

Description: 95 Express

Performance Measures Express Lanes

Assign Counties

Roadway Counties	Available Counties
	Miami-Dade Monroe Palm Beach St. Lucie Indian River Martin Broward

Assign Directions

Roadway Directions	Available Directions
Northbound	Eastbound Westbound Innerloop Outerloop

Buttons: Delete Selections, Add Selections, Save and Exit, Cancel

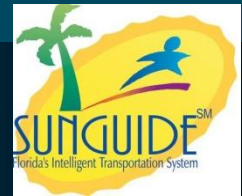
Red circle a1: Express Lanes (checkbox)

Proposed Solution FP #448 continues in next slide



SunGuide Software Release 4.X

Administrative Editor



Proposed Solution FP #448

SunGuide™ Administrative Editor

Sort Roadway by County 3B

Select County:

Sort Order and Availability by County

County:

Select Roadway

- 95 Express
- Card Sound RD
- Florida Turnpike
- I-195
- I-275
- I-395
- I-4
- I-5
- I-595
- I-75
- I-95
- IH-10
- MacArthur Causeway
- OTHER
- SR 826

Disable Selection From b1

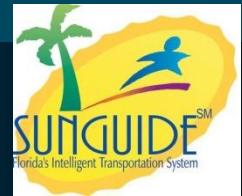
- EM
- RS
- Predefined Plan Manager
- 511
- CCTV/VS
- DMS
- Express Lanes
- RMS
- TSS

Sort Order: b2



SunGuide Software Release 4.X

Administrative Editor



Existing Conditions FP #426 & 491

SunGuide Software Administration Application - Windows Internet Explorer

http://sunguide/SunGuideAdmin/

SunGuide™ Administrative Editor

Agencies Contacts
Comment Types
Event Status Types
Event Types
Injury Types
Organizations
Location Configuration
Locations
Counties
Lane Maps
Lane Types
Reference Points
Roadways
Mailing Lists
Mailing Lists Contacts
Procedural Errors
Response Plans
Vehicle Tracking
Weather Conditions

Edit Reference Point

Short Name: **4**

Long Name:

Description:

Sort Order:

Exit Number:

Exit Suffix:

Cross Street

EM Event# 168809 - Windows Internet Explorer

Event # 168809

Administrative Details

Operator: grulloj

Date/Time Added: 6/13/2008 11:49

Status:

Status Last Updated: 6/13/2008 11:49

Contacts
There are currently no contacts.

Impact on Roadways

Event Location / Congestion
Miami-Dade on OTHER Northbound, At OTHER No Congestion

Event Location

County: Distance From Exit (ft):

Road:

0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9

Direction:

Reference Point:

Select
RICKENBACKER SW 8 ST **4**
BISCAYNE BLVD
NW 2 ST
SR 836 / I-395
I-195
NW 62 ST
NW 69 ST
NW 79 / 81 ST
NW 95 ST
NW 103 ST
NW 119 ST
NW 125 ST
NW 135 ST
NW 151 ST
HOV FLYOVER
At TRNPKE / 826 W
Ti SR 826 EAST
At US 441
MIA GARDENS DR
IVES DAIRY RD

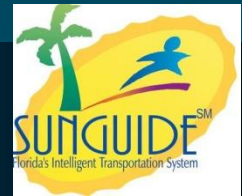
ker:

minutes



SunGuide Software Release 4.X

Administrative Editor



Proposed Solution FP #426 & 491

The screenshot shows the SunGuide Administrative Editor interface in a Windows Internet Explorer browser window. The browser address bar shows `http://sunguide/SunGuideAdmin/`. The page title is "SunGuide Software Administration Application - Windows Internet Explorer". The main content area displays the "SunGuide™ Administrative Editor" header and a navigation tree on the left. The "Reference Points" folder is expanded, showing a list of reference points. The "US-1" reference point is selected, and the "Edit Reference Point" form is displayed. The form contains the following fields:

- Short Name: US-1
- Long Name: US-1
- Reference Point Text: US-1/MLK Parkway/20th St (This field is circled with a red '4')
- Sort Order: 200
- Exit Number: (empty)
- Exit Suffix: (empty)
- Cross Street: Cross Street

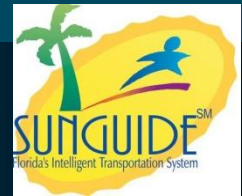
Below the form, there is a message: "Cross Street cannot be changed because the Reference Point was assigned to a Location." At the bottom of the form, there are two buttons: "Save and Exit" and "Cancel". The browser status bar at the bottom shows "Local intranet" and "100%" zoom.

Proposed Solution FP #426 & 491 continues in next slide




SunGuide Software Release 4.X


Administrative Editor



Proposed Solution FP #426 & 491



SunGuide™ Administrative Editor



County: Miami-Dade Roadway: SR 826 Direction: Eastbound

Reference Point

-- Assigned --
 NW 67 AVE
 NW 57 AVE
 NW 47 AVE
 NW 37 AVE
 NW 27 AVE
 NW 17 AVE
 NW 12 AVE
 I-95/TURNIPIKE
 SR 826 EAST
 TURNIPIKE

Locations

Short Name:

Word(s) to be shown on:

DMS:

If Express Lanes, then

Limits: From To

EM & RS:

EMAIL:

HAR:

511:

Description:

Sort Order:

Mile Marker: Reference Point Offset: before

Exit Number: Nearest Cross Street: SW 8 ST

Exit Suffix: Nearest Cross Street Offset: before

Latitude: Lane Map: (S)(T)(I)(G)(On)(S)

Longitude:

Primary Alternate Road

Short Name:

Description:

Secondary Alternate Road

Short Name:

Description:



- 511
- AVL/RR
- CCTV / VS
- Data Archive
- DMS
- Express Lanes
- Event Management
 - Activity Types
 - Agencies
 - Agencies Contacts
 - Comment Types
 - Event Status Types
 - Event Types
 - Injury Types
 - Organizations
- Location Configuration
 - Locations
 - Counties
 - Lane Maps
 - Lane Types
 - Reference Points
 - Roadways
 - Mailing Lists
 - Mailing Lists Contacts
 - Procedural Errors
 - Response Plans
 - Vehicle Tracking
 - Weather Conditions
- HAR
- Incident Detection
- Inventory/Maintenance
- Reporting
- RMS
- RWIS
- Safety Barrier
- Scheduled Actions
- TSS
- TVT
- VSL
- Miscellaneous
- User Management



SunGuide Software Release 4.X

Administrative Editor



Existing Conditions FP #483, 652 & 685

EM Event# 168788 - Windows Internet Explorer

Event Location

County: Miami-Dade
 Road: I-95
 Direction: Northbound
 Reference Point: NW 103 ST
 Relationship To Exit: ramp To: SR 932/NW 103 ST

Distance From Exit (ft): 0

0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9

Mile Marker:

Congestion

Save Location / Congestion

▼ Lane Blockage / DMS Assignment

Exit Ramp Blocked

Select Signs Used:

Assign to this Event

Suggested Response Plan - Windows Internet Explorer

Suggested Response Plan Event ID: 168788

Selected Plan Items: View Selected Devices

DMS	Equipment ID: 22 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 5	RIGHT LANE BLOCKED RAMP TO NW 103 ST
DMS	Equipment ID: 75 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 7	RIGHT LANE BLOCKED RAMP TO NW 103 ST
DMS	Equipment ID: 106 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 3	RIGHT LANE BLOCKED
DMS	Equipment ID: 107 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 5	RIGHT LANE BLOCKED
DMS	Equipment ID: 103 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 7	I-95 NB RIGHT LANE BLOCKED AT NW 103 ST
EMAIL	Subject: Title: Other: Location: MDC I-95 NB Ramp To Exit 8B NW 103 ST	Email Groups:	Exit Ramp Blocked

Search by distance: DMS Radius: 7 HSR Radius: 50

Other available suggestions: Automatically Generated

Get New Suggestion View Plan

To apply the above response plan to the event, select an option below and click the "Set as Response" button.

Make this the response plan Set as Response

REVIEWING

Template name: dms-on-route-ramp

Current template appearance:
EXIT TO
[CROSS STREET]
[LANE] [STATUS]



SunGuide Software Release 4.X

Administrative Editor



Existing Conditions FP #652 & 685

Description

When an entry ramp lane is blocked, RPG generates messages for on-route signs referring the ramp's lane blockage.

REVIEWING



SunGuide Software Release 4.X

Administrative Editor



Existing Conditions FP #654

Description

RPG Amber Alert templates don't have vehicle state option, and email punctuation is wrong.

REVIEWING



SunGuide Software Release 4.X

DMS



Existing Conditions FP #271 & 357

Detailed DMS Status: 19 [District 6] - Windows Internet Explorer

Signs Find on Map

19	TRAVEL TIME TO I-75 UNDER 5 MIN	TRAVEL TIME TESTING
20		
21		
22		
23		
38		

Location: Westbound SR 826: SR-826 WB at Ludlam (NTCIP-2)

Operational Status: Active

Filter: All Signs

Brightness: Auto (Level 0)

Control Mode: Central

Other commands: Refresh Status, Send Command, Blank Sign, Send Message...

MAS message queue: 1 message View Queue

Temperature: OK

6

REVIEWING

Send DMS Message - Windows Internet Explorer

Message Libraries

Base Libraries

Sublibraries

test messages

Messages

Search Message Names:

Target DMS: 19 [District 6]

Sample Display

TRAVEL TIME TO I-75 UNDER 5 MIN	TRAVEL TIME TESTING
---------------------------------	---------------------

Edit Mode: Simple Multi

TRAVEL TIME TO I-75 UNDER 5 MIN

TRAVEL TIME TESTING

Display only capital letters

Priority: 1 1-256

Duration: 0 hours, 10 minutes

Page Timing: On 3 seconds, then off 0 seconds

Send Message

6



SunGuide Software Release 4.X

Link & DMS Sequencing Editor



Existing Conditions FP #339

Description

Link and Shield Editor and Device Sequencing editor do not have “undo” function for any change made.

Limitations

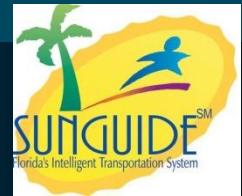
If the user clicks by mistake on "delete node" or "delete link" or “save”, changes made can't be undone.

REVIEWING



SunGuide Software Release 4.X

Operator GUI



Existing Conditions FP #464

Edit DMS Plan Message - Windows Internet Explorer

Message Libraries
Base Libraries
Sublibraries
test messages **8**
Messages

Target DMS: 43 [District 6]

Sample Display
RIGHT LANE
BLOCKED BEFORE
MIA GARDENS DR

Edit Mode Simple Multi

RIGHT LANE
BLOCKED BEFORE
MIA GARDENS DR

Display only capital letters

Priority: 3 1-256

Duration: 0 hours, 0 minutes
 Until Cancelled

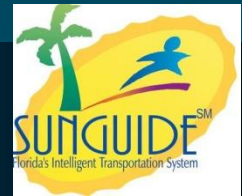
Page Timing: On 0 seconds,
then off 0 seconds
 Default

Save Message



SunGuide Software Release 4.X

Operator GUI



Proposed Solution FP #464

Message Libraries
Base Libraries
Sublibraries
PSA

Messages
595136T01
595136T02
595136T03
595136T04
595136T05
595136T06

Search Message Names:

Target DMS: 75 [District 6]

Sample Display
TWO RIGHT LANES
BLOCKED BEFORE
NW 62 ST

Edit Mode Simple Multi

TWO RIGHT LANES
BLOCKED BEFORE
NW 62 ST

Display only capital letters

Priority: 4 1-256

Duration: 0 hours, 0 minutes
 Until Cancelled

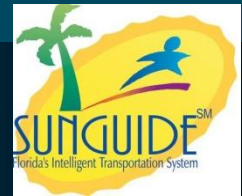
Page Timing: On 0 seconds, then off 0 seconds
 Default

Save Message



SunGuide Software Release 4.X

Event Management



Existing Conditions FP #216

EM Event# 168809 - Windows Internet Explorer

Event # 168809 [-] collapse all [+] expand all

Administrative Details [Release Ownership] [Save]

Operator: grulloj
Date/Time Added: 6/13/2008 11:49
Status: Active
Status Last Updated: 6/13/2008 11:49

[Contacts](#) There are currently no contacts.

Impact on Roadways [Save]

[Event Location / Congestion](#) Miami-Dade on OTHER Northbound, At OTHER No Congestion

Event Location

County: Miami-Dade Distance From Exit (ft): 0

Road: I-95

0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9

Direction: Northbound

Select
Northbound
Southbound

Relationship To Exit: Select

Mile Marker: _____

Congestion

[Save Location / Congestion]

9



SunGuide Software Release 4.X

Event Management



Proposed Solution FP #216

Location 1

Location 2

EM Event# 168266 - Windows Internet Explorer

Event # 168266

Administrative Details

Operator: khalls

Date/Time Added: 6/9/2008 21:34

Status: Active

Status Last Updated: 6/9/2008 21:34

Contacts: There are currently no contacts.

Impact on Roadways

Event Location / Congestion

- Miami-Dade on I-95 Northbound, before SR 860/Miami Gardens DR No Congestion
- Miami-Dade on I-95 Southbound, beyond SR 860/Miami Gardens DR No Congestion

Event Location 1 2 3 4 5 Add Location

County: **9** Miami-Dade Distance From Exit (ft): 0

Road: I-95

0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9

Direction: Northbound

Reference Point: NW 62 ST

Relationship To Exit: before: SR 860/Miami Gardens DR

Mile Marker:

Congestion

Save Location / Congestion

Lane Blockage / DMS Assignment

1 Lane (of 4 Lanes) Blocked

Select Signs Used:

EM Event# 168266 - Windows Internet Explorer

Event # 168266

Administrative Details

Operator: khalls

Date/Time Added: 6/9/2008 21:34

Status: Active

Status Last Updated: 6/9/2008 21:34

Contacts: There are currently no contacts.

Impact on Roadways

Event Location / Congestion

- Miami-Dade on I-95 Northbound, before SR 860/Miami Gardens DR No Congestion
- Miami-Dade on I-95 Southbound, beyond SR 860/Miami Gardens DR No Congestion

Event Location 1 2 3 4 5 Add Location

County: **9** Miami-Dade Distance From Exit (ft): 0

Road: I-95

0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9

Direction: Southbound

Reference Point: NW 62 ST

Relationship To Exit: beyond: SR 860/Miami Gardens DR

Mile Marker:

Congestion

Save Location / Congestion

Lane Blockage / DMS Assignment

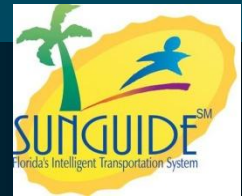
All lanes blocked.

Select Signs Used:



SunGuide Software Release 4.X

Event Management



Existing Conditions FP #260 & 461

The screenshot shows the 'Response Plan Editor' window in Internet Explorer. The window title is 'Response Plan - Windows Internet Explorer'. The main title is 'Response Plan Editor' and the Event ID is '166171'. The 'Selected Plan Items' section contains two items:

Icon	Text	Duration	Priority	Message	Buttons
DMS	Equipment ID: 43 Center: District 6 Owner: dms	Until Cancelled	3	RIGHT LANE BLOCKED BEFORE MIA GONS DR	Edit Remove
EMAIL	Subject: Title: Other: Location: MDC I-75 NB Before Exit 4 MIA GARDENS DR	Email Groups:		1 Right Lane (of 4 Lanes) Blocked	Edit Remove

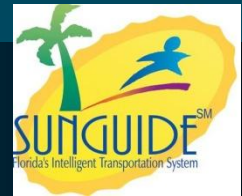
At the bottom of the window, there are buttons for 'Add DMS', 'Add HAR', 'View Suggestions', 'View Selected Devices', 'Add Predefined Plan', 'Activate Plan', and 'Terminate Plan'. A red circle with the number '10' is drawn around the 'RIGHT LANE BLOCKED BEFORE MIA GONS DR' message.

REVIEWING



SunGuide Software Release 4.X

Event Management & Response Plan Generator



Existing Conditions FP #611

Suggested Response Plan - Windows Internet Explorer

Suggested Response Plan Event ID: 165534

Selected Plan Items: View Selected Devices

	Equipment ID: 6 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 5	TWO RIGHT LANES BLOCKED	I-95 NB AT IVES DAIRY RD
	Equipment ID: 7 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 6	I-95 NB 2 RHT LNS BLOCKED AT IVES DAIRY RD	
	Equipment ID: 5 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 8	I-95 NB 2 RHT LNS BLKD AT IVES DAIRY	
	Equipment ID: 110 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 5	TWO RHT LNS BLOCKED	I-95 NB AT IVES DAIRY
	Equipment ID: 111 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 4	TWO RHT LNS BLOCKED	I-95 NB AT IVES DAIRY
	Equipment ID: 10 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 6	I-95 NB 2 RHT LNS BLOCKED AT IVES DAIRY RD	
	Equipment ID: 9 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 6	I-95 NB 2 RHT LNS BLOCKED AT IVES DAIRY RD	
	Equipment ID: 8 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 5	I-95 NB 2 RHT LNS BLOCKED AT IVES DAIRY RD	
	Subject: Title: Other: Location: MDC I-95 NB Ramp To Exit 16 IVES DAIRY RD	Email Groups:	Exit Ramp Blocked	

Search by distance: DMS Radius: 7 HAP Radius: 50

Other available suggestions: Automatically Generated

To apply the above response plan to the event, select an option below and click the "Set as Response" button.

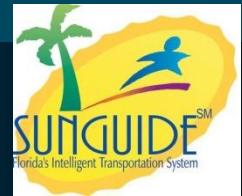
Make this the response plan

13



SunGuide Software Release 4.X

Event Management & Response Plan Generator



Fused Window with FP# 611 plus D6 Requested Enhancement

11 Suggested Response Plan - Windows Internet Explorer

Suggested Response Plan Editor Event ID: 163323

Selected Plan Items: **A** Release Ownership

Information	Dissemination Type	Message Queue	Proposed Message	Select	
B	DMS	Equipment ID: 5 Center: District 6 Owner: dms Status: Active	D TRAVEL TIME TO SR 826 10-12 MIN Duration: Until Cancelled Priority: 256	H 1-95 NB 2 RHT LNS BLKD AT MIA GARDENS Duration: Until Cancelled Priority: 6	F Edit Change Priority Remove Unmerge E
C	DMS	Equipment ID: 10 Center: District 6 Owner: dms Status: Failed Unapproved word	1-95 NB 3 RHT LNS BLKD AT MIA GARDENS Duration: Until Cancelled Priority: 6	1-95 NB 2 RHT LNS BLKD AT MIA GONS DR Duration: Until Cancelled Priority: 6	Edit Change Priority Remove Merge
	DMS	Equipment ID: 9 Center: District 6 Owner: dms Status: Active	1-95 NB 3 RHT LNS BLKD AT MIA GARDENS Duration: Until Cancelled Priority: 6	1-95 NB 2 RHT LNS BLKD AT MIA GARDENS DR Duration: Until Cancelled Priority: 6	Edit Change Priority Remove Merge
	DMS	Equipment ID: 7 Center: District 6 Owner: dms Status: Active	1-95 NB 3 RHT LNS BLKD AT MIA GARDENS Duration: Until Cancelled Priority: 6	2 LANES BLOCKED 1-95 NB AT MIA GARDENS Duration: Until Cancelled Priority: 6	Edit Change Priority Remove Merge
I	EMAIL	Subject: Other: Location: MDC I-195	Email Groups: EM01TEST, ITMS Bulletin	2 RHT LNS BLOCKED AT MIA GARDENS DR.	

K Search by distance: DMS Radius: 3 HAR Radius: 10 Get New Suggestion Refresh Messages

Suggested Response Plan Edition

Add DMS Add HAR Add E-mail
View Selected Devices Add Predefined Plan

J

Date	Category	Details
5/16/2008 10:16:40	DMS	9: [j3]-95 NB[n]2 RHT LNS BLOCKED[n]AT MIA GARDENS DR (6)
5/16/2008 10:16:30	EMAIL	2 RHT LNS BLOCKED AT MIA GARDENS DR
5/16/2008 10:16:22	BLOCKAGE	2 Right Lanes
5/16/2008 10:15:55	LOCATION	Miami-Dade on I-95 Northbound, At Miami Gardens DR

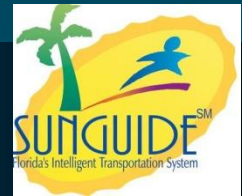
Activate Plan Terminate Plan

Select...
 Select...
 Edit Selection
 Change Selected Priorities
 Remove Selection
 Merge Selection **E**

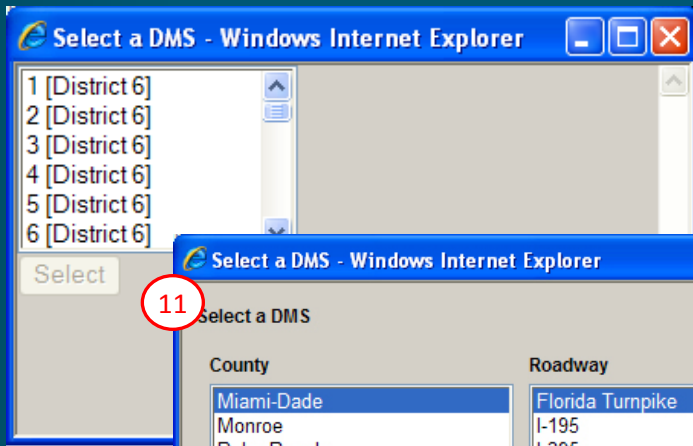


SunGuide Software Release 4.X

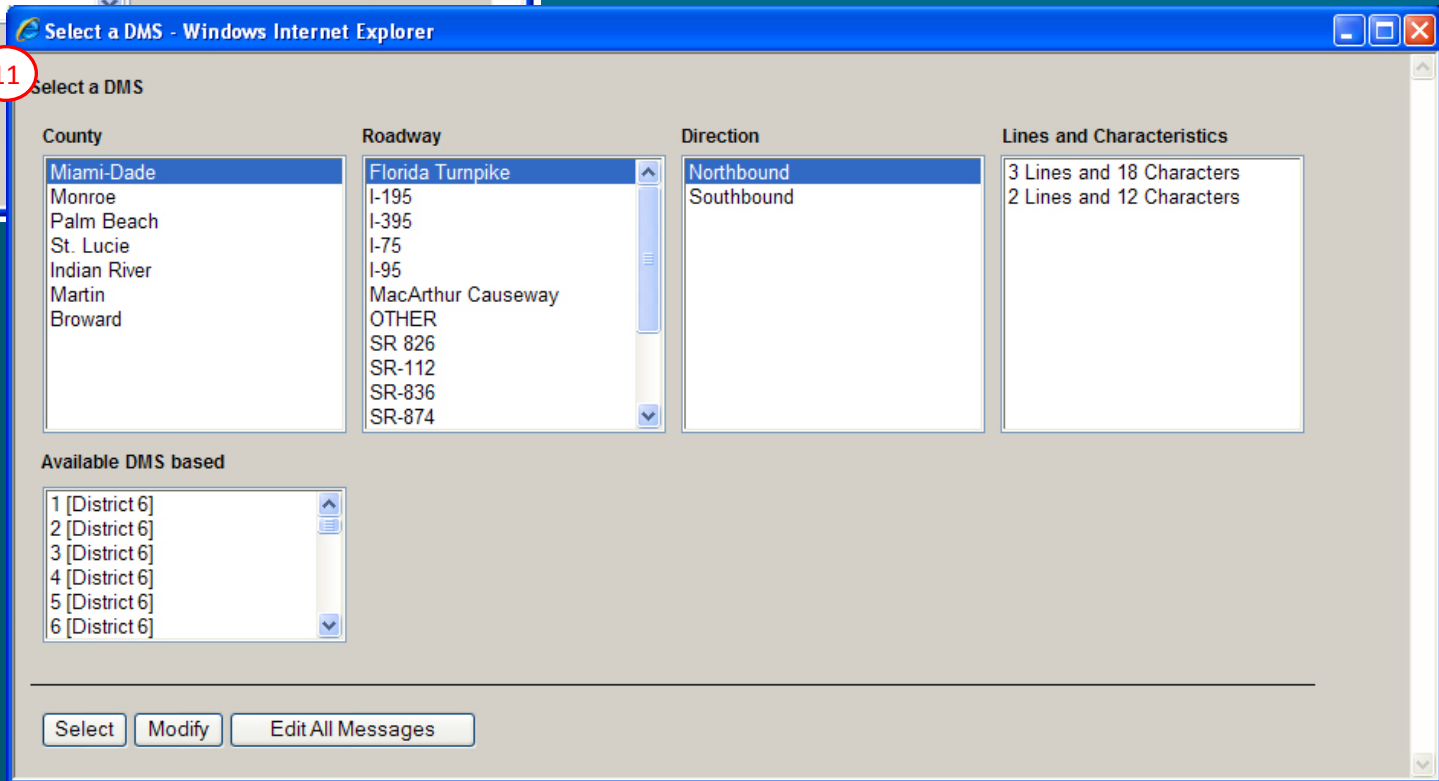
Event Management & Response Plan Generator



Fused Window plus D6 Requested Enhancement



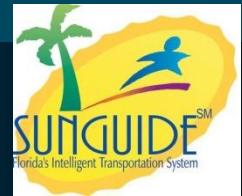
11





SunGuide Software Release 4.X

Event Management & Response Plan Generator



Existing Conditions FP #583

EM Event# 168809 - Windows Internet Explorer

Event # 168809 [-] collapse all [+] expand all

Administrative Details Release Ownership Save

Operator: grulloj

Date/Time Added: 6/13/2008 11:49

Status: Active

Status Last Updated: Unconfirmed
Active
Closed (12)
Unresolved
False Alarm
VOID

Impact on Roadways Save

Event Location / Congestion: Miami-Dade on OTHER Northbound, At OTHER

Event Location

County: Miami-Dade

Road: I-95

Direction: Northbound

Reference Point: Select

Relationship To Exit: Select

Distance from Exit (ft):

0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9

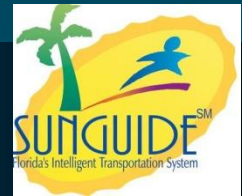
Mile Marker:

REVIEWING



SunGuide Software Release 4.X

Predefined Plan Manager



Existing Conditions FP #628

14

Predefined Plan Manager - Windows Internet Ex...

- New plan - 06-14-2008 11:47:35** [Edit] [Remove]
Event type(s): Construction, Amber Alert or Special Event
Roadway(s): SR-905 Northbound Southbound
No plan items
- New plan - 06-13-2008 15:42:58** [Edit] [Remove]
Event type(s): Incident, Construction, Congestion, Disabled Vehicle, Abandoned Vehicle, Amber Alert, Special Event or Other
Roadway(s): I-95 Northbound Eastbound Westbound
No plan items
- New plan - 06-14-2008 11:45:55** [Edit] [Remove]
Event type(s):
Roadway(s):
No plan items
- New plan - 06-14-2008 11:46:46** [Edit] [Remove]
Event type(s): Congestion or Disabled Vehicle
Roadway(s): SR-905 Southbound

[Add New Plan]

14

Predefined Plan Data - Windows Internet Explorer

Plan Name: New plan - 06-13-2008 15:42:58

Event Matching Details

Event Types:

- Incident
- Construction
- Congestion
- Disabled Vehicle
- Abandoned Vehicle
- Amber Alert
- Special Event
- Other

Routes: [Add Route]

I-95 [Northbound] [Southbound]

- Eastbound
- Westbound

[Remove]

Plan Items Note: Plan items are saved automatically as they are edited.

[Add DMS] [Add HAR]

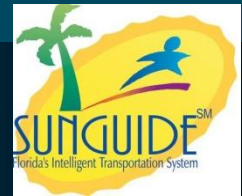
Predefined plan is empty.
This plan currently does not contain any items.

[View Selected Devices] [Save Plan Details]



SunGuide Software Release 4.X

Predefined Plan Manager



Proposed Solution FP #628

14

Predefined Plan Manager - Windows Internet Explorer

Selected Library:	Information Dissemination Type	Proposed Message
Base Libraries Sublibraries: test predefined plan I-95 Evacuation Route Add New Sublibrary Copy Library Move Library Rename Library Delete Library	Equipment ID: 5 Center: District 6 Owner: dms Status: Active	1-95 NB 2 RHT LNS BLKD AT MIA GARDENS Duration: Until Cancelled Priority: 6
Predefined Plan I-95 Not. GGI Add New Plan Edit Plan Copy Plan Move Plan Rename Plan Delete Plan	Equipment ID: 10 Center: District 6 Owner: dms Status: Active	1-95 NB 2 RHT LNS BLKD AT MIA GARDENS DR Duration: Until Cancelled Priority: 6
Search Plan Names: <input type="text"/>	Equipment ID: 9 Center: District 6 Owner: dms Status: Active	1-95 NB 2 RHT LNS BLKD AT MIA GARDENS DR Duration: Until Cancelled Priority: 6
	Equipment ID: 7 Center: District 6 Owner: dms Status: Active	2 LANES BLOCKED 1-95 NB AT MIA GARDENS Duration: Until Cancelled Priority: 6
	Subject: Title: Other: Location: MDC I-195	2 RHT LNS BLOCKED AT MIA GARDENS DR

DMS Radius: 3 HAR Radius: 10

Proposed Solution FP #628 continues on next slide



SunGuide Software Release 4.X

Predefined Plan Manager



Proposed Solution FP #628

A

Predefined Plan Data - Windows Internet Explorer

Plan Name: I-95 Not. GGI

Sub-Plan Name: I-95 Not. GGI

Event Matching Details

Event Types: Select... Submit

Incident Construction Congestion Disabled Vehicle Abandoned Vehicle Amber Alert Special Event Other

Phone Number

Lane Blockage / DMS Assignment Right Shoulder Blocked

Impact on Roadways

Event Location / Congestion Miami-Dade on I-95 Southbound, Beyond SR 112 West - Airport/I-195 East - Miami Beach

Event Location

County: Miami-Dade

Road: I-95

Direction: Southbound

Reference Point: SR 112

Relationship To Exit: beyond: SR 112 West - Airport/I-195 East - M

Find on Map Save, Get Predefined Plan Cancel

Category	Details
DMS	9: [03]-95 SB[n] RHT SHLDR BLOCKED[n] AT SR 112
EMAIL	1 RHT SHLDR BLOCKED AT SR 112
BLOCKAGE	1 Right Shoulder
LOCATION	Miami-Dade on I-95 Southbound, At SR 112

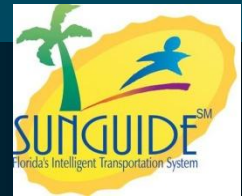
Save Plan Add New Sub-Plan Cancel Plan

Proposed Solution FP #628 continues on next slide



SunGuide Software Release 4.X

Predefined Plan Manager



Proposed Solution FP #628

Suggested Predefined Plan Editor - Windows Internet Explorer

Suggested Predefined Plan Editor Plan Name: **I-95 Not. GGI**

Selected Plan Items:

Information	Dissemination Type	Proposed Message	Select
DMS	Equipment ID: 5 Center: District 6 Owner: dms Status: Active	1-95 NB 2 RHT LNS BLKD AT MIA GARDENS Duration: Until Cancelled Priority: 6	<input type="checkbox"/> Edit Change Priority Remove Merge
DMS	Equipment ID: 10 Center: District 6 Owner: dms Status: Active	1-95 NB 2 RHT LNS BLKD AT MIA GARDENS DR Duration: Until Cancelled Priority: 6	<input type="checkbox"/> Edit Change Priority Remove Merge
DMS	Equipment ID: 9 Center: District 6 Owner: dms Status: Active	1-95 NB 2 RHT LNS BLKD AT MIA GARDENS DR Duration: Until Cancelled Priority: 6	<input type="checkbox"/> Edit Change Priority Remove Merge
DMS	Equipment ID: 7 Center: District 6 Owner: dms Status: Active	2 LANES BLOCKED 1-95 NB AT MIA GARDENS Duration: Until Cancelled Priority: 6	<input type="checkbox"/> Edit Change Priority Remove Merge
EMAIL	Subject: Title: Other: Location: MDC I-195	2 RHT LNS BLOCKED AT MIA GARDENS DR	<input type="checkbox"/>

Search by distance:
 DMS Radius: 3 HAR Radius: 10 Get New Suggestion Refresh Messages Select... Submit

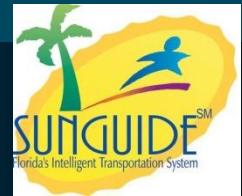
Suggested Predefined Plan Edition
 Add DMS Add HAR Add E-mail View Selected Devices Add Predefined Plan Save Plan Details

B



SunGuide Software Release 4.X

RPG Behavior Discussions



Existing Conditions FP #402

REVIEWING

EM Event# 169173 - Windows Internet Explorer

Event Location / Congestion: Miami-Dade on I-75 Northbound, Before SR 860/NW 186 ST/Miami Gardens DR. No Congestion

Event Location

County: Miami-Dade

Distance From Exit (ft): 0

Road: I-75

Direction: Northbound

Reference Point: MIA GARDENS DR

Relationship To Exit: before: SR 860/NW 186 ST/Miami Gardens DR

Mile Marker:

Congestion

Save Location / Congestion

EM Event# 169173 - Windows Internet Explorer

Lane Blockage / DMS Assignment: No lanes blocked.

Diagram: 6 lanes with signs (Sb, M, M, M, M, Sb) and arrows. Lane 5 has a red 'X' and a red circle with '15' next to it.

Insert Lane: 1

Remove Lane: 1

Save Blockage

Suggested Response Plan - Windows Internet Explorer

Suggested Response Plan

Event ID: 166171

Selected Plan Items:

DMS	Equipment ID: 43 Center: District 6 Owner: dms	Duration: Until Cancelled Priority: 3	RIGHT SHOULDER BLOCKED BEFORE MIA GARDENS DR (15)
EMAIL	Subject: Title: Other: Location: MDC I-75 NB Before Exit 4 MIA GARDENS DR	Email Groups:	Right Shoulder Blocked

Search by distance: DMS Radius: 3 HAR Radius: 10

Other available suggestions: Automatically Generated

Get New Suggestion View Plan

To apply the above response plan to the event, select an option below and click the "Set as Response" button.

Make this the response plan Set as Response



SunGuide Software Release 4.X

RPG Behavior Discussions



Existing Conditions FP #412

Description

RPG Lane-blockage severity is based on the level 1/2/3 definitions and not on the lane-blockage percentage.

Limitations

- If based on Level of Severity: Any lane blockage that is not a full closure starts for the first 30 mins. as a level 1 and the response plan generator will only suggest a minor radius even for a major lane blockage like "4 of 5 lanes blocked". Also level of severity is not known until lanes are cleared.
- If based on Lane Blockage: A major lane blockage like "4 of 5 lanes blocked" will suggest divert actions to drivers, even if the blockage can be cleared in a very short period of time.

REVIEWING



SunGuide Software Release 4.X

RPG Behavior Discussions



Existing Conditions FP #565

Description

RPG DMS radius/message priority issue where multiple priorities of same value get assigned to the same device queues (for different events), sometimes causing the incorrect message to display at a given time.

Limitations

Response plans are post inconsistently on signs.

REVIEWING



SunGuide Software Release 4.X

RPG E-Mail



Existing Conditions FP #498

Description

In the case of a secondary event, the primary event type and location should be included in the email body, prefixed by the phrase "Based on Primary Event: ".

Limitations

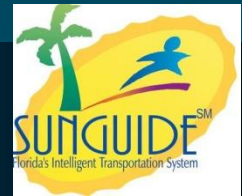
The connection of a secondary event with the primary event is not shown in the e-mail body.

REVIEWING



SunGuide Software Release 4.X

Express Lanes RPG Enhancement



Proposed Solution

SunGuide Software Administration Application - Windows Internet Explorer

http://sunguide/SunGuideAdmin/

SunGuide™ Administrative Editor

Roadways

Counties and Available Directions

- Card Sound RD
- Florida Turnpike
- I-195
- I-275
- I-395
- I-4
- I-5
- I-595
- I-75
- IH-10

Add Edit

Local Intranet 100%

SunGuide Software Administration Application - Windows Internet Explorer

http://sunguide/SunGuideAdmin/

SunGuide™ Administrative Editor

Edit Roadway

Short Name: 95 Express

Description: 95 Express

Performance Measures Express Lanes

Assign Counties

Roadway Counties	Available Counties
	Miami-Dade Monroe Palm Beach St. Lucie Indian River Martin Broward

Delete Selections Add Selections

Assign Directions

Roadway Directions	Available Directions
Northbound	Eastbound Westbound Innerloop Outerloop

Delete Selections Add Selections

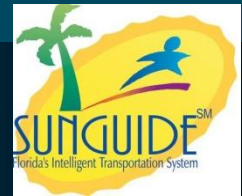
Save and Exit Cancel

Local Intranet 100%



SunGuide Software Release 4.X

Express Lanes RPG Enhancement



Proposed Solution

The screenshot shows the SunGuide Administrative Editor interface. The main window title is "SunGuide Software Administration Application - Windows Internet Explorer". The browser address bar shows "http://(sunguide)/SunGuideAdmin/". The interface includes a navigation tree on the left, a main content area, and a list of tags on the right.

SunGuide™ Administrative Editor

Edit RPG Message Template

Template name: adms-on-route

Current template appearance:
 {LANE}
 {STATUS}
 {PROXIMITY}
 {CROSS STREET}

Template text:
 {LANE}
 [NEW LINE]
 {STATUS}
 [NEW PAGE]
 {PROXIMITY}
 [NEW LINE]
 {CROSS STREET}

Text Tags
[Freetext](#)
[New Line](#)
[New Page](#)
[Space](#)

Data Tags
[Cross Street](#)
[Event Type](#)
[Lane](#)
[Route Name](#)
[Route Dir](#)
[Veh Model](#)
[Veh Color](#)
[Status](#)
[License Tag](#)

Express Lanes Data Tags
[Limits From](#)
[Limits To](#) **15**
[Lane Status Closed](#)

Buttons: Save and Exit, Cancel



SunGuide Software Release 4.X

Express Lanes RPG Enhancement



Proposed Solution

SunGuide Software Administration Application - Windows Internet Explorer

http://sunguide/SunGuideAdmin/

File Edit View Favorites Tools Help

FDOT District Six Sung... Road Rangers - Driver... IntraSMART SunGuide Software... Log into SunGuide Emp...

SunGuide™ Administrative Editor

Edit RPG Message Template

Template name: dms-on-route-el **16**

Current template appearance:
[LANE]
[STATUS] [PROXIMITY]
[CROSS STREET]

Template text:
[LANE]
[NEW LINE]
[STATUS]
[NEW PAGE]
[PROXIMITY]
[NEW LINE]
[CROSS STREET]

Text Tags: [Freetext](#)

Data Tags: [Cross Street](#) [Route Dir](#) [Veh Make](#) [Limits From](#)
[Event Type](#) [Route Name](#) [Veh Model](#) [Limits To](#)
[Lane](#) [Veh Color](#) [Lane Status Closed](#)
[Space](#) [Proximity](#) [Status](#) [License Tag](#)

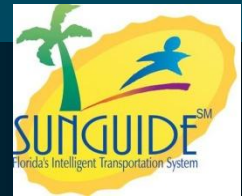
Express Lanes Data Tags

Save and Exit Cancel



SunGuide Software Release 4.X

Express Lanes RPG Enhancement



Proposed Solution

SunGuide Software Administration Application - Windows Internet Explorer

http://sunguide/SunGuideAdmin/

File Edit View Favorites Tools Help

FDOT District Six Sun... Road Rangers - Driver... IntraSMART SunGuide Software... Log into SunGuide Emp...

SunGuide™ Administrative Editor

Edit RPG Message Template

Template name: dms-off-route-el **17**

Current template appearance:
 [ROUTE NAME] [ROUTE DIR]
 [LANE STATUS CLOSED]
 [LIMIT FROM]-[LIMIT TO]

Template text:
 [LANE]
 [NEW LINE]
 [STATUS]
 [NEW PAGE]
 [PROXIMITY]
 [NEW LINE]
 [CROSS STREET]

Text Tags
[Freetext](#)

Data Tags
[Cross Street](#) [Route Dir](#) [Veh Make](#)
[New Line](#) [Event Type](#) [Route Name](#) [Veh Model](#) [Limits To](#)
[New Page](#) [Lane](#) [Status](#) [Veh Color](#) [Lane Status Closed](#)
[Space](#) [Proximity](#) [License Tag](#)

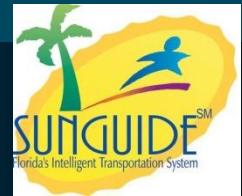
Express Lanes Data Tags
[Limits From](#)

Save and Exit Cancel



SunGuide Software Release 4.X

Express Lanes RPG Enhancement



Proposed Solution

The screenshot displays the SunGuide Software Administration Application in a Windows Internet Explorer browser window. The address bar shows the URL `http://sunguide/SunGuideAdmin/`. The page title is "SunGuide Software Administration Application - Windows Internet Explorer".

The main content area features the SunGuide logo and the text "SunGuide™ Administrative Editor". Below this, there is a navigation tree on the left side with the following items:

- Activity Types
- Agencies
- Agencies Contacts
- Comment Types
- Event Status Types
- Event Types
- Injury Types
- Organizations
- Location Configuration
- Mailing Lists
- Mailing Lists Contacts
- Procedural Errors
- Response Plans
 - Abbreviations
 - Device Templates
 - Message Templates
- Vehicle Tracking
- Weather Conditions
- HAR
- Incident Detection
- Inventory/Maintenance
- Reporting
- RMS
- RWIS

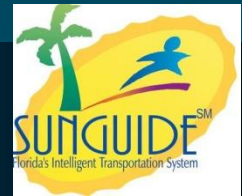
The main content area is titled "Edit RPG Device Template". It contains a list of templates with their corresponding values in dropdown menus:

Selected Device:	(Default DMS)
On road template:	dms-on-route
On road ramp template:	dms-on-route-ramp
Off road template:	dms-off-route
Off road ramp template:	dms-off-route-ramp
On road closed template:	dms-on-route
Off road closed template:	dms-off-route
On road express template:	dms-on-route-el
Off road express template:	dms-off-route-el
On road express closed template:	dms-on-route-el
Off road express closed template:	dms-off-route-el
Amber alert template:	amber-alert

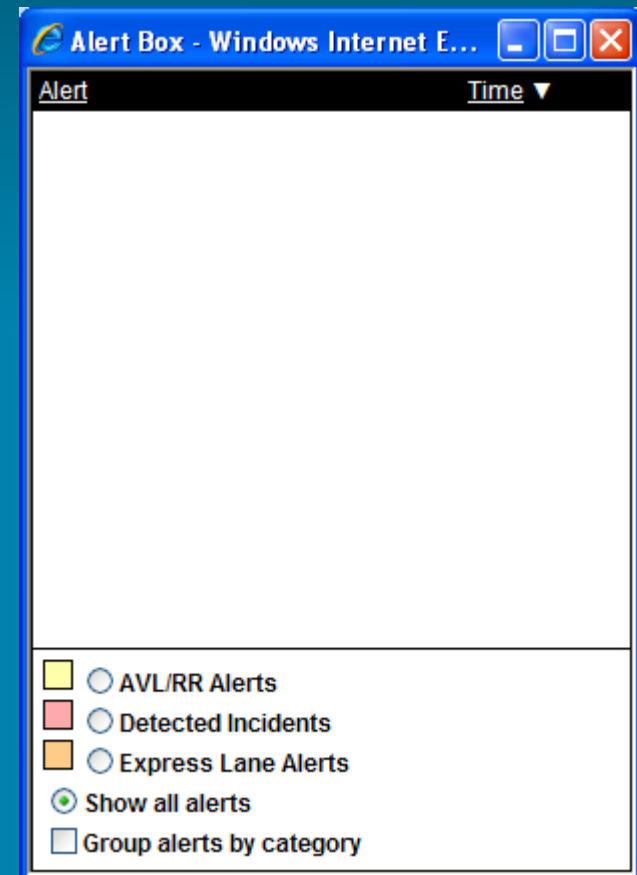
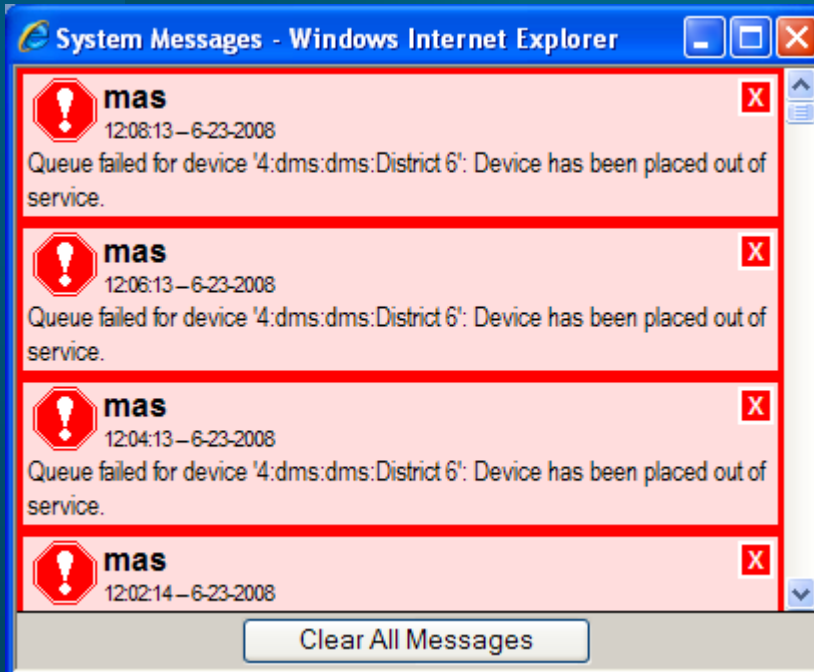
At the bottom of the form, there are two buttons: "Save and Exit" and "Cancel".



SunGuide Software Release 4.X



- System Messages Information
 - All relevant system message types
 - FP# 483, 260 & 461





Change Management Board



SunGuide™ Software Release 4.x FHP CAD Interface

Steve Corbin



Change Management Board

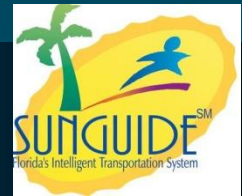


LEO Alert DMS Messaging

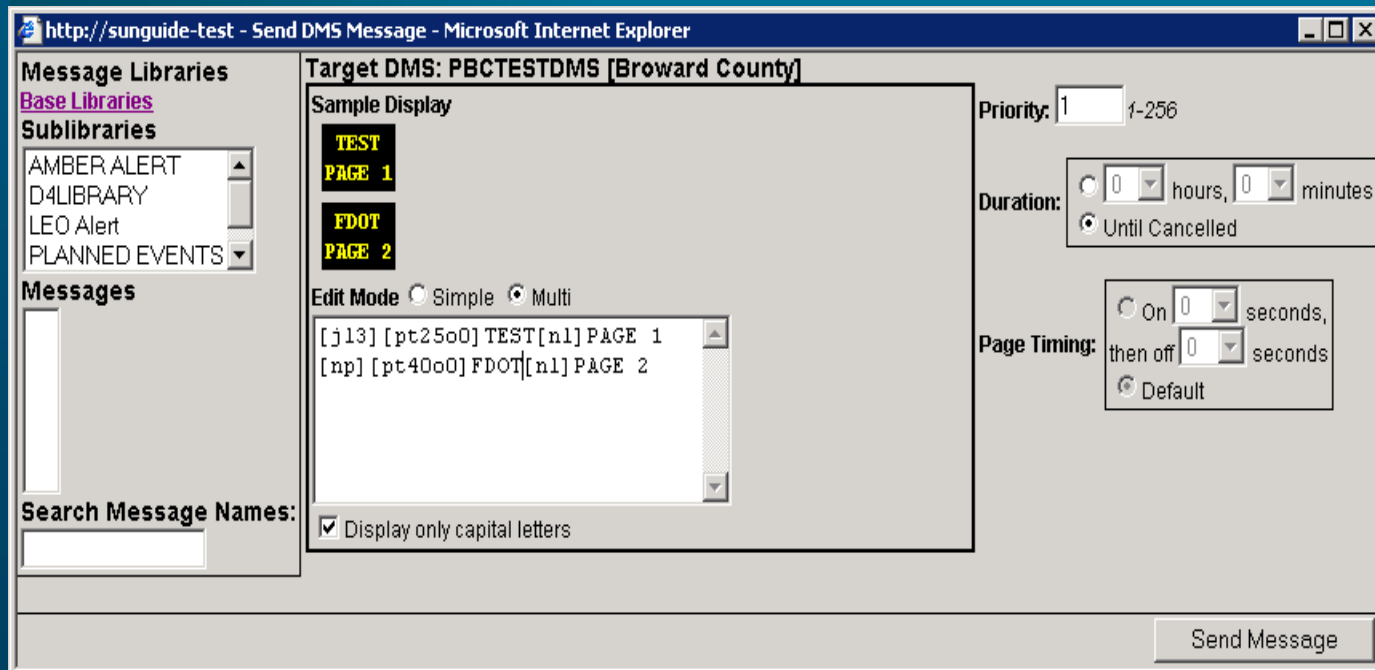
Terry Hensley



LEO Alert DMS Messaging



- It is possible to manually message with different phase lengths by typing in the phase timing commands manually, using the Multi edit mode, as shown below:

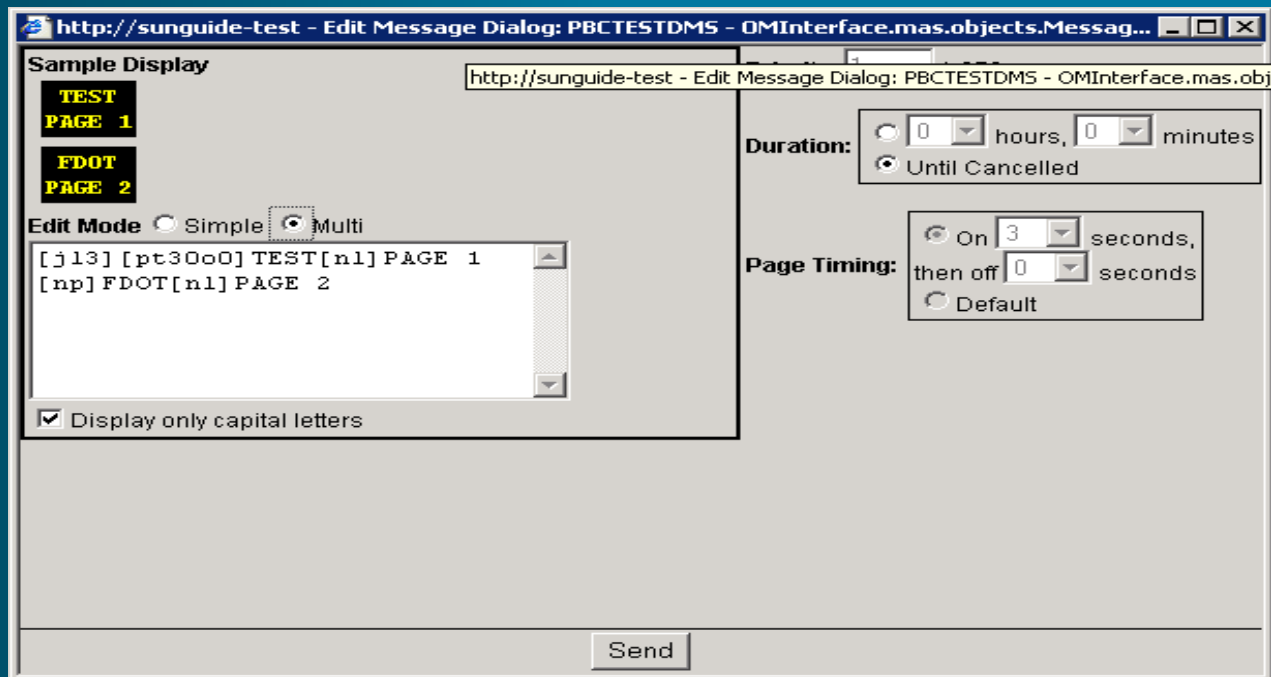




LEO Alert DMS Messaging



- We were able to post the message above on one of our NTCIP signs and we observed the desired timing behavior. However, SunGuide™ doesn't seem to be able to parse the message if you open it the edit message screen, see below:





Change Management Board



SunGuide™ Report Repository

David Chang



Background - Roles

- **SwRI/IBI developed SunGuide Reporting subsystem**
- **SwRI manages SunGuide source code repository**
- **CO/PBS&J manages SRR**
- **SRR users**
 - **Central Office and District Traffic Ops**
 - **Other FDOT Offices**
 - **Other transportation agencies**
 - **Universities**



Why & Current practice

- **SunGuide R3.0.3 has Reporting subsystem**
- **Some districts create their own sets of report using spreadsheet or other applications**
 - Labor intensive
 - Not uniform
 - Not interchangeable / no sharing
 - Not taking advantage of SunGuide Report capability
- **Not all 52 SunGuide reports being used**
- **SunGuide reports need verification and validation**
- **CO has provided a draft whitepaper to propose enhancement/solution**



SRR Whitepaper



White Paper

SunGuide™ Software System

SunGuide™ Report Repository

April 17, 2008
Version 1.3



Prepared for:
Florida Department of Transportation
Traffic Engineering and Operations Office
Intelligent Transportation Systems Section
605 Suwannee Street, M.S. 90
Tallahassee, Florida 32399-0450
(850) 410-5600



SRR Overview - Objectives



- **Centralized repository of report templates**
- **Create uniform traffic related reports**
- **Provide a fast and effective way of viewing and downloading reports through SunGuide software**
- **Validate the accuracy of report data**
- **Information/experience sharing among Districts**
- **Document the purpose, users, definitions and data source of each report**
- **Report version control**



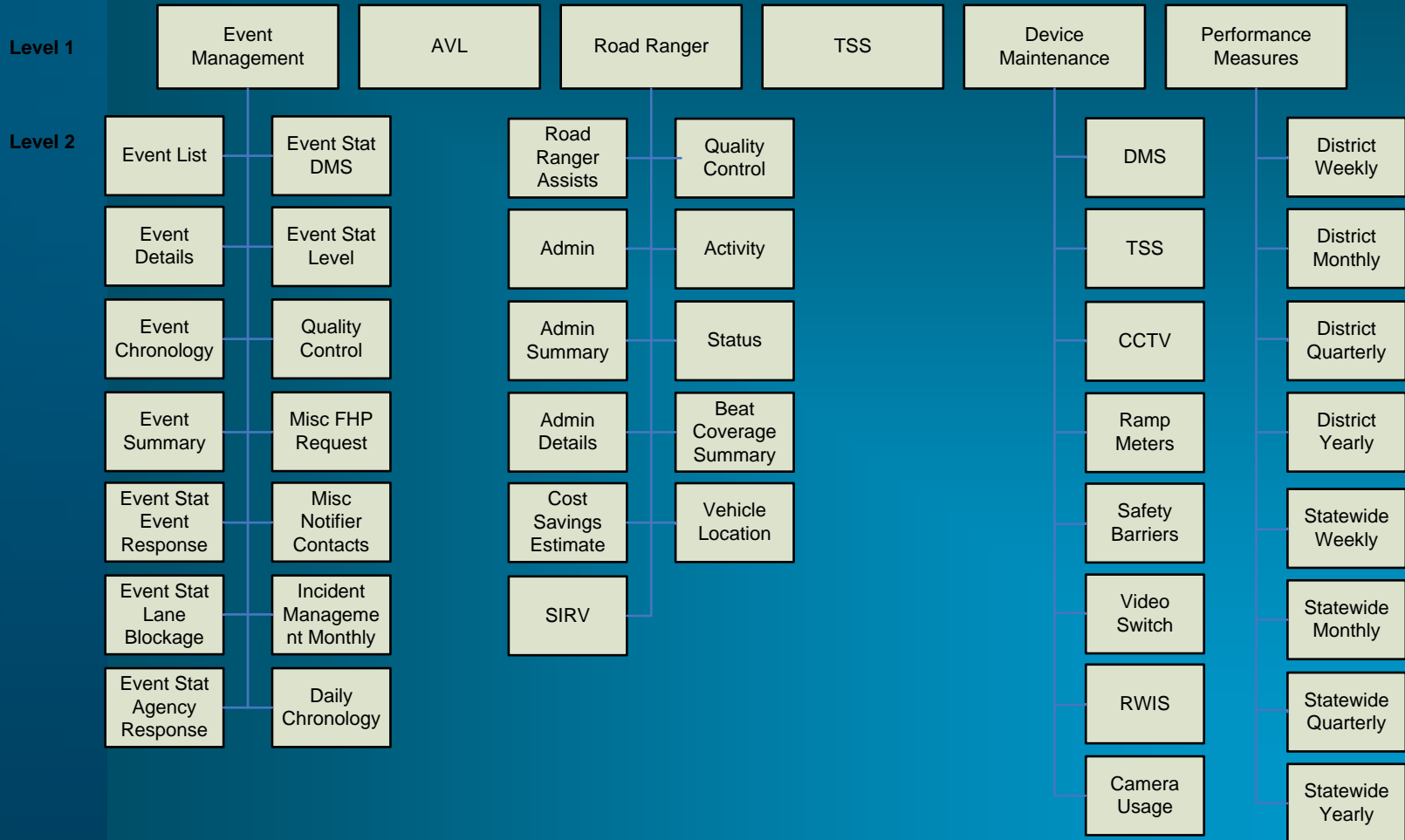
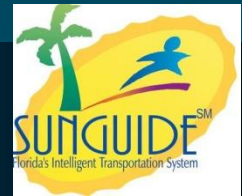
Assumptions and constraint



- **CO and Districts create and validate their own reports using Crystal Report**
- **Districts provide their Crystal Report templates to FDOT CO**
- **First phase meets the needs of FDOT Traffic Ops only**

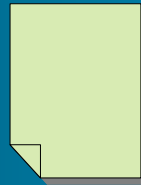


Example of report hierarchy





Demonstration





Benefits and conclusion



- **Ease of Support/Maintenance**
- **Uniformity of Report**
- **Quality Assurance**
- **Information dissemination/sharing effectively**
- **Better understand the data source from SunGuide**



Change Management Board



Closing and Action Item Review

Steve Corbin