

Change Management Board Meeting

December 10th, 2009

Video Conference: CO- Burns Video Bridge 1

Audio: 850 - 414 - 4977 or 866 - 374 - 3368 ext 4977

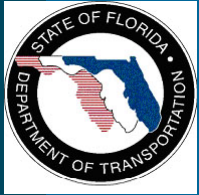


Welcome and Call for Quorum

Peter Vega, CMB Chairman

12/10/2009

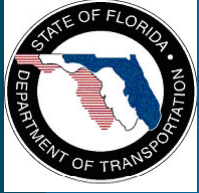
Change Management Board



Agenda



Time	Item	Lead
1:30 - 1:35	Welcome and Call for Quorum	Vega
1:35 - 1:50	Previous Meeting Recap and Action Item Review	Vega
1:50 - 2:00	CMB Chairman Nomination	Vega
2:00 - 2:15	SunGuide Enhancement: Congestion across County Lines (FP 497) <i>(Vote)</i>	Heller
2:15 - 2:30	SunGuide Enhancement: Incident Severity (FP 1280) <i>(Vote)</i>	Krishnamurthy
2:30 - 2:45	SunGuide Enhancement : Floodgate Multi-Set (FP 1365) <i>(Vote)</i>	Heller
2:45 - 2:55	SunGuide Enhancement : Right Click Menu <i>(Vote)</i>	Laird
2:55 - 3:10	SunGuide Map Requirements <i>(Vote)</i>	Heller



Agenda (cont')



Time	Item	Lead
3:10 – 3:25	Response Plan Requirements <i>(Vote)</i>	Heller
3:25 – 3:40	Performance Measures	Packard
3:40 – 3:55	RISC ConOps	Packard
3:55 – 4:00	Closing and Action Item Review	Vega

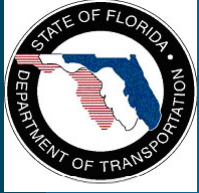


Change Management Board



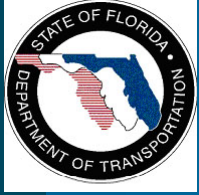
Previous Meetings Recap and Action Items Review

Peter Vega



Oct. 27 09' CMB Action Items

- Mark Laird to finalize the “Right Click Menu” proposal and Arun Krishnamurthy to distribute to CMB members for review. **Done**
- Central Office to initiate “Travel Time Reliability” report (will be done one year from meeting date). **Done**
- SwRI to develop rules to handle with roadway changing direction issue in the SunGuide Enhancement: Congestion across County Lines. **Done**
- Manuel Fontan to send two rules for handling roadway changing direction to SwRI (Robert Heller) and CO. **Done**
- Central Office to initiate 10-minute teleconference with CMB members for voting on SunGuide Enhancement: Congestion across County Lines (FP 497). **Done**
- SSUG (Clay Packard) to discuss on SunGuide Release Upgrade with FL-ATIS procedures issues and provide result to the next CMB meeting. **In Progress**

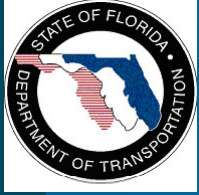


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CMB Chairman Nomination

Pete Vega

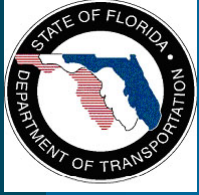


Change Management Board



SunGuide Enhancement: Cross County Line Congestion (FP 497)

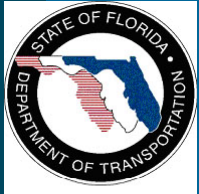
Robert Heller



Footprints 497



- **EM congestion**
 - Event location specifies: County, Roadway, Direction, Reference Point and Relationship to Exit
 - EM defaults and locks County, Roadway and Direction
- **Allow congestion to cross county lines**
 - Head still has County, Roadway and Direction locked
 - Tail unlocks County
- **Allow roadway to change direction (SR 826)**



Congestion Tail w County Unlocked



EM Event# 221370 - Windows Internet Explorer

Event # 221370 [] collapse all [+] expand all

Administrative Details Release Ownership Save

Operator: jperez

Date/Time Added: 10/7/2009 2:08

Status: Active

Status Last Updated: 10/7/2009 2:08

Contacts: There are currently no contacts.

Impact on Roadways Save

Event Location / Congestion: Monroe on Card Sound Road Northbound, Beyond C905/C905A Monroe on Card Sound Road Northbound, Ramp To C905/C905A to Ramp To C905/C905A

Event Location

County: Miami-Dade

Road: Florida's Tumpike

Direction: Northbound

Reference Point: SW 312 St

Relationship To Exit: rampFrom: SW 312 ST/Campbell Dr

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

Alternate Roads: None

None

Save Location / Congestion

Congestion Head

County: Miami-Dade

Road: Florida's Tumpike

Direction: Northbound

Reference Point: SW 312 St

Relationship To Exit: rampFrom: SW 312 ST/Campbell Dr

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 Tail

County: Miami-Dade

Road: Florida's Tumpike

Direction: Northbound

Reference Point: SW 312 St

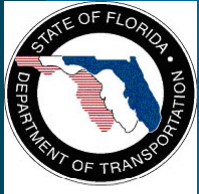
Relationship To Exit: at: SW 312 ST/Campbell Dr

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:

No lanes blocked



Option in Admin Editor




SunGuide Software Administration Application - Windows Internet Explorer

http://pascal/SunGuideAdmin/

File Edit View Favorites Tools Help

Favorites Suggested Sites Free Hotmail Web Slice Gallery

SunGuide Software Administration Appli...



SunGuide® Administrative Ed

- 511
- AVL/RR
- CCTV / VS
- Data Archive
- DMS
- 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

Edit Roadway

Short Name:

Description:

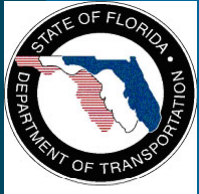
Performance Measures Enable Congestion Tail Direction

Assign Counties

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

Assign Directions

Roadway Directions	Available Directions
Northbound Southbound	Eastbound Westbound Innerloop Outerloop



Congestion Tail w Direction Unlocked



EM Event# 221370 - Windows Internet Explorer

Event # 221370 [] collapse all [+] expand all

Administrative Details [Release Ownership] [Save]

Operator: jperez

Date/Time Added: 10/7/2009 2:08

Status: Active

Status Last Updated: 10/7/2009 2:08

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

Impact on Roadways [Save]

▼ [Event Location / Congestion](#) Monroe on Card Sound Road Northbound, Beyond C905/C905A Monroe on Card Sound Road Northbound, Ramp To C905/C905A to Ramp To C905/C905A

Event Location

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

Road: Florida's Turnpike

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: SW 312 St

Relationship To Exit: rampFrom: SW 312 ST/Campbell Dr

Mile Marker: _____

Congestion

Alternate Roads: None

None

[Save Location / Congestion]

Congestion Head

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

Road: Florida's Turnpike

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: US-1

Relationship To Exit: before: US 1 NORTH

Mile Marker: _____

Congestion Tail

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

Road: Florida's Turnpike

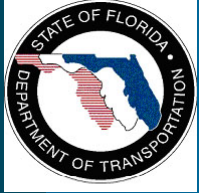
0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9

Direction: Northbound

Reference Point: SW 288 St

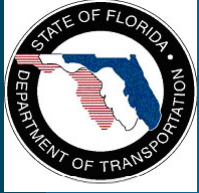
Relationship To Exit: before: SW 288 ST/Biscayne Dr

Mile Marker: _____



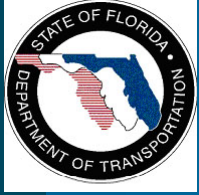
Footprint 497 Requirements

- **FP497.1** SunGuide shall allow an operator to configure the congestion head of an event.
 - **FP497.1.1** SunGuide shall default the congestion head to be the event location (county, road, direction, reference point, relationship to exit, offset).
 - **FP497.1.2** When an operator makes changes to the event location, SunGuide shall change the congestion head to match those changes.
 - **FP497.1.3** SunGuide shall allow an operator to modify the congestion head default value by selecting County, Reference Point, Location and offset to the location. Note: the roadway for event location, roadway direction, congestion head and congestion tail must always match.



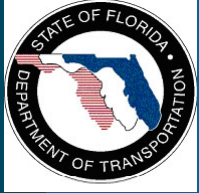
Footprint 497 Rqts (cont)

- **FP497.1.4** If event location and congestion head are in the same county, SunGuide shall display only those reference points and relationships to exit for congestion head which are “upstream” of those for event location.
- **FP497.1.5** If event location and congestion head are in different counties, SunGuide shall display all reference points and relationships to exit for congestion head which match congestion head county, road and direction.



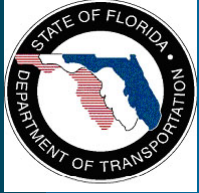
Footprint 497 Rqts (cont)

- **FP497.2** SunGuide shall allow an operator to configure the congestion tail of an event.
 - **FP497.2.1** SunGuide shall allow an operator to modify the congestion tail default value by selecting County, Reference Point, Location and offset to the location.
 - **FP497.2.2** SunGuide shall provide a configuration checkbox to enable (if selected) or disable (if not selected) and operator from changing the roadway direction in the congestion tail.
 - **FP497.2.3** SunGuide shall apply a default value for congestion tail when the operator initially checks the congestion box.



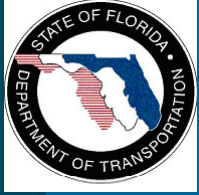
Footprint 497 Rqts (cont)

- **FP497.2.4** SunGuide shall apply a default value for congestion tail when the congestion dialog is open and the operator changes event location values of County, Road or Direction. (Changes and change-backs count as changes.)
- **FP497.2.5** When an operator initially selects the “congestion” box, SunGuide will default the County, Road, Direction values for the Congestion Tail.
- **FP497.2.6** Default value for congestion tail reference point and relationship to exit shall be the reference point and relationship to exit with the smallest sort value which matches the congestion tail values for county, roadway and direction.



Footprint 497 Rqts (cont)

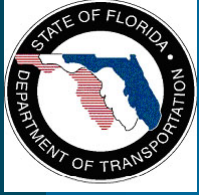
- **FP497.2.7** If congestion head and congestion tail are in the same county, SunGuide shall display only those reference points and relationships to exit for congestion tail which are “upstream” of those for congestion head.
- **FP497.2.8** If congestion head and congestion tail are in different counties, SunGuide shall display all reference points and relationships to exit for congestion tail which match congestion tail county, road and direction.



SG Enhancement: FP 497



- **Vote**

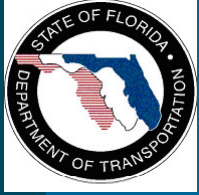


Change Management Board



SunGuide Enhancement: Incident Severity FP 1280

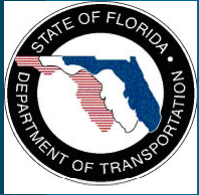
Arun Krishnamurthy



FP 1280: Incident Severity Definition for FL-ATIS



- **References:**
 - **Footprint Issue 1280: Incident Severity Definition for FL-ATIS, October 5, 2009**
- **Current Incident Severity Definition**
 - **Based on combination of Duration and No. of Travel Lanes Blocked.**
- **Does not meet the FLATIS needs**
- **Discussions at 511 WGM and SSUG Meetings**



Incident Severity Definition for FL-ATIS

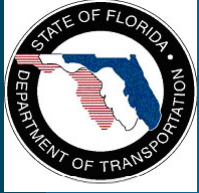


- Proposed Solution
 - Maintain two separate incident severity levels

The screenshot shows a web application interface for managing an incident. The main content area is divided into several sections:

- Administrative Details:** Operator: opaakard, Date/Time Added: 8/24/2009 14:22, Status: Active, Status Last Updated: 8/24/2009 14:22. Includes a "Contacts" section with no current contacts.
- Impact on Roadways:** Event Location / Congestion: Leon on I-10 Eastbound, At MM 201, No Congestion. Lane Blockage: No lanes blocked. Anticipated Clearance Time: [] minutes.
- Reporting & Dispatch:** Organization: TERL TMC, Notifying Agency: TERL TMC, Notifier Contact: RRMA RRMA. Includes sections for "Vehicle(s) Dispatch" and "Procedural Error", both currently empty.
- Event Details:** FHP Incident #: [], Event Type: Crash, FL-ATIS Incident Severity: Major (highlighted), Nearest CCTV: Intermediate, Timestamp: 10/1/2009 7:30, No CCTV checked.
- Other Fields:** Link to Primary Event: N/A, Secondary Event: N/A, Injuries: N/A.

On the right side, there is a sidebar with a table for "Notified by TMC" and "Responders". The table has columns for "Notified", "On Scene", and "Departed". A "Responder" dropdown is set to "FHP". Below this is a section for "Other Responders".

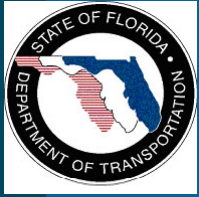


FP 1280: Incident Severity Definition for FL-ATIS



Proposed FL-ATIS Incident Severity Levels

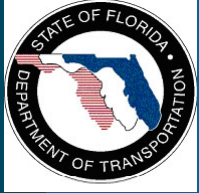
Severity Level	Proposed FLATIS Incident Severity Criteria
Unknown	N/A
Minor	Default
Intermediate	25% or Less of Travel Lanes or Exit Lanes Blocked
Major	Greater than 25% of Travel Lanes or Exit Lanes Blocked



Schedule and Cost

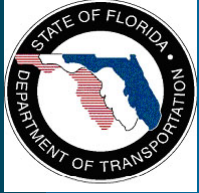


- Include in Release 4.3
- Cost \$5,545



Option for Consideration

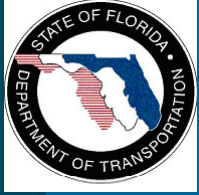
- **Option 1** – Increase the threshold to a different value statewide. Cost – Same.
- **Option 2** – Make the threshold percentage value configurable by district. Cost – Double of Option 1.
- **Option 3** – Time of day capability (only two) and configurable by district. Cost – Same as Option 2. To configure weekends and holidays is significantly more complex and is not proposed.



SG Enhancement: FP 1280



- **Vote**

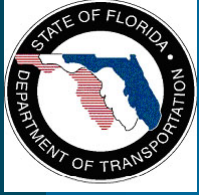


Change Management Board



SunGuide Enhancement: Floodgate Multi-Set (FP 1365)

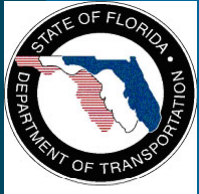
Robert Heller



Floodgate Multi-Set: Basic Function



- **New tab on Floodgates interface: Set Multiple**
- **Allow user to select multiple Floodgates**
 - Sets single message data to first open slot in each
- **SunGuide sends multiple messages to FL-ATIS**
 - SunGuide does not record or remember the multi-set operation
 - FL-ATIS does not know the operations are part of a multi-set operation



Floodgate Multi-Set: Main Screen



Select Floodgates

- Statewide
- Location
- Full Roadway
- Entity
- English Spanish

Region:

County:

Roadway:

Add Floodgate

University Pkwy.
US 19
Southeast/Broward County/I-95
Greyhound Bus

Remove Floodgate

Remove All

Common Settings

Common settings apply to both English and Spanish messages
Associated event and Comment will be logged, but not sent to C2C

Call Settings:

- Allow barge-in
- End call after message

Severity:

Associated event:

Comment:

511 Floodgate Message

Message:



Current recording length:

No recording

Text of message:

Web Site Text Banner

Banner retrieved:

Banner text:

Apply Floodgates

Store Message

Load Stored

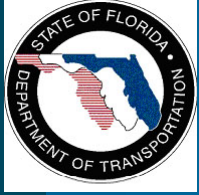


Floodgate Multi-Set: Status



- Status screen highlights identical Floodgates
 - Matches based on Message Text and Banner Text
 - Any identical will highlight (including using stored)

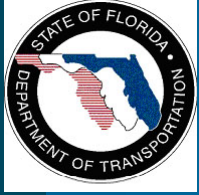
		Active 511 Floodgate Message	Active Web Site Text Banner	
Type	Description	English		Spanish
Statewide	Statewide (Florida)			
Full Roadway	Atlantic Boulevard			
Full Roadway	Beachline Expressway			
Full Roadway	SR 836			
Full Roadway	SR 93/I-75			
Full Roadway	Union Street			
Full Roadway	University Pkwy.			
Full Roadway	US 19			
Full Roadway	Veterans Expressway			
Entity	Greyhound Bus			
Location	Southeast			
Location	Southeast/Broward County/I-95			
Location	Tampa/Hernando County/SR 50			



Floodgate Multi-Set: Expand Floodgate



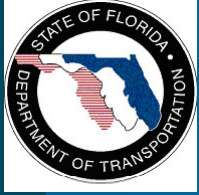
- **New operation on Floodgate Message screen**
 - **Changes context to Set Multiple screen**
 - **Copies all current data from previous screen**
 - **Pre-selects active Floodgate**
 - **Allows user to expand a current Floodgate to apply to multiple slots**
 - **Core functionality identical to Set Multiple**



SG Enhancement: FP 1365



- **Vote**

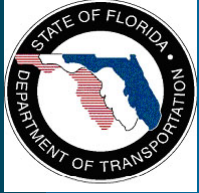


Change Management Board



SunGuide Enhancement: Right Click Menu

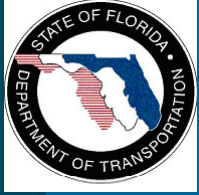
Mark Laird



Process



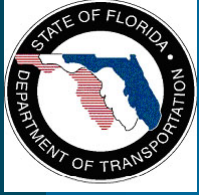
- **Informal discussion of concept at SG 4.0 IV&V**
- **Discussion of concept with Trey at SG 4.1 FAT**
 - Trey requested a proposal and review by SSUG
- **Development of proposal and distribution to SunGuide Software Users' Group**
- **Brief discussion at March SSUG Meeting**
- **Follow-up at June SSUG Meeting**
 - Comments solicited
 - Comment incorporate
- **July, 2009 CMB Meeting**
- **Additional comments received and incorporated (v5)**
- **Arun distributed v5**



Overview



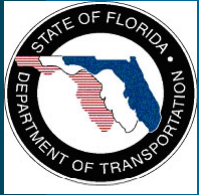
- The menu displayed after right-clicking on the SunGuide map is:
 - organized around software subsystems
 - uses subsystem names and abbreviations
- Restructure to:
 - organize around operations processes
 - use common terminology



Overview of Changes



- Regroup around operational functions
 - e.g. all DMS together, all video together, all event management together
- Rename some items
 - e.g. RS to Reports
- Put list in alphabetical order



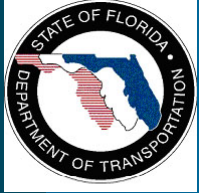
Sample Before/After



- Top Level Menu

AVL/RR	▶
CCTV	▶
DMS	▶
EM	▶
MAS	▶
Preferences	▶
PS	▶
Ramp Meter	▶
Response Plans	▶
RS	▶
SAS	▶
System	▶
TSS	▶
TVT	▶
Video Wall	▶
VS	▶

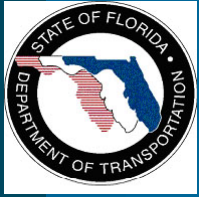
Cameras	▶
Center-to-Center	▶
DMS	▶
Event Management	▶
Express Lanes...	
HAR	▶
Incident Detection	▶
Preferences	▶
Ramp Metering	▶
Reports...	
Responders	▶
System	▶
Traffic Detection	▶
Travel Times...	
Video Wall	▶



Sub-menu



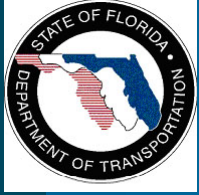
- **Similar terminology changes to sub-menus**
- **Details provided in the Map Enhancement proposal**



Right Click Menu



- **Vote**

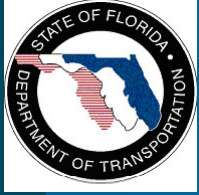


Change Management Board



SunGuide Map Requirements

Robert Heller



Map Upgrade Requirements

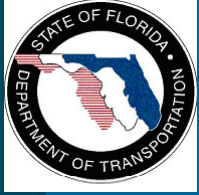


- **Map requirements**
 - **Distributed November 30**
 - **Provided during Configuration Management Board Meeting (Dec 10)**
 - **Included here**



Map Requirements

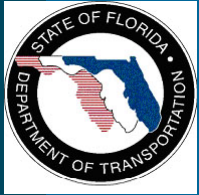
- **Background notes:**
 - Because a “static” map tile will be used the “raw” map data is not available at the browser level
 - The customization of map colors/counties/level previously allowed by the operator will NOT be in the operator map (it will be in the map tile generation application)
 - The “hover” tool tip that pops up a roadway name if the mouse is parked over a road will NOT be implemented – this was previously done because of the lack of names/text on the map – the map tiles will have this data.
- **General Map**
 - Map will be based on “Map Tiles” (image files) (MA001)
 - Map will support zoom (MA002 et al)
 - Map will support panning (MA003)
 - Map will display operator’s default view when the operator logs in (MA004)



Map Requirements - continued

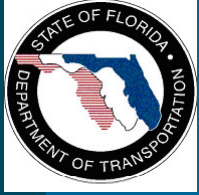


- **General Map continued:**
 - Map will display TSS links (MA005 et al)
 - Display of icons for ITS devices (MA006 et al)
 - Context menu based on hover position (MA007 et al)
 - “Right click” enhancement
 - Sample screen will be shown later
 - Device information when mouse is hovered (MA008 et al)
 - Display proposed response plan (MA009)
 - Display potential detected events (MA0010)
 - Support to change map views – drop down (MA0011)
 - Display AVL/RR track data (MA0012)



Map Requirements - continued

- **General Map continued:**
 - Performance Requirements: (MA0013):
 - Address map “load time”
 - Pan / zoom refresh rates
 - Performance measures quantified by pieces of equipment are for equipment in the field of view (not the total amount of equipment configured)
- **Map Tile Generation: (MA0020):**
 - Create “static” map tiles
 - ESRI tools will be used to implement the requirements
- **Editors (mimic current functionality with different background map):**
 - Link Editor (MA0030 – MA0031)
 - Device Sequencing Editor (MA0040 – MA0045)
 - Geofence Editor (MA0050 – MA0051)



Datum Information

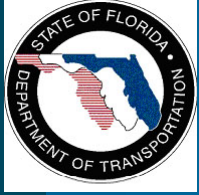
- The original SunGuide map was based off DynaMap (then TeleAtlas) data which was WGS 84 based (note there are many variants of this datum):
 - The SVG map is built using a flat earth projection
 - Works great in low latitudes (like Florida) but not at more northern latitudes
- New map:
 - Navteq datum is: “Lat Long WGS84”
 - Tools SwRI is using transforms this to: “WGS 1984 Web Mercator” which is the “Standard” for Internet Maps (e.g. Google, Microsoft)
- Bottom line:
 - SwRI anticipates no issues with current lat/long values configured in SunGuide
 - If there are alignment issues, a transformation script will be provided (this is very well understood technology)



SunGuide Map Requirements



- **Vote**

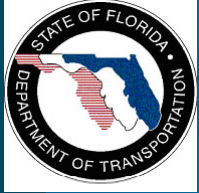


Change Management Board



Response Plan Requirements

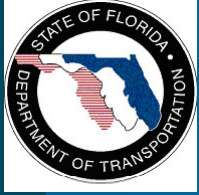
Robert Heller



Response Plan Enhancement



- **Originally conceived in January 2008**
 - Based on resolution of collection of footprints issues
 - Placed on contract based on cost estimate
- **ConOps**
 - Presented to CMB
 - RPG Enhancement place on hold
- **ConOps Completed October 10, 2009**
 - SwRI wrote requirements from CONOPS
 - Scope was much larger than January 2008 estimate



Requirements

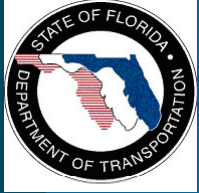
- 23 Pages of requirements (not included here)
 - SwRI divided requirements into three “buckets”
 - Distributed by Central Office for review
- Estimated Cost
 - Core implementation **\$333,172**
 - Next **\$125,570**
 - Deferred **\$158,517**
 - Total **\$617,259**



Response Plan Requirements



- **Vote**

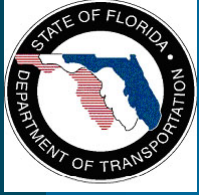


Change Management Board



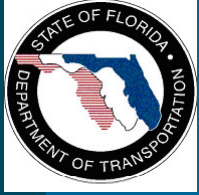
Performance Measures

Clay Packard



PM Report - Updates

- **Changes made per district feedback:**
 - **Calculation changes**
 - **Fixed last responder timestamp**
 - **Excludes non-PM event types**
 - **Excludes events with negative Open Roads**
 - **Definitions sheet (first page of flagged and detail)**
 - **Added event types included in PM**
 - **Added asterisk – FHP data not yet available**
 - **Changed “FHP Notified” to “First Notified”**
 - **Flagged Report Event IDs are red bolded if excluded from PM because of negative duration**

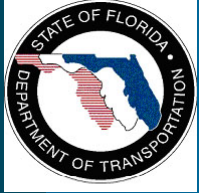


Change Management Board



RISC ConOps

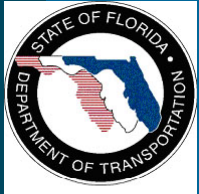
Clay Packard



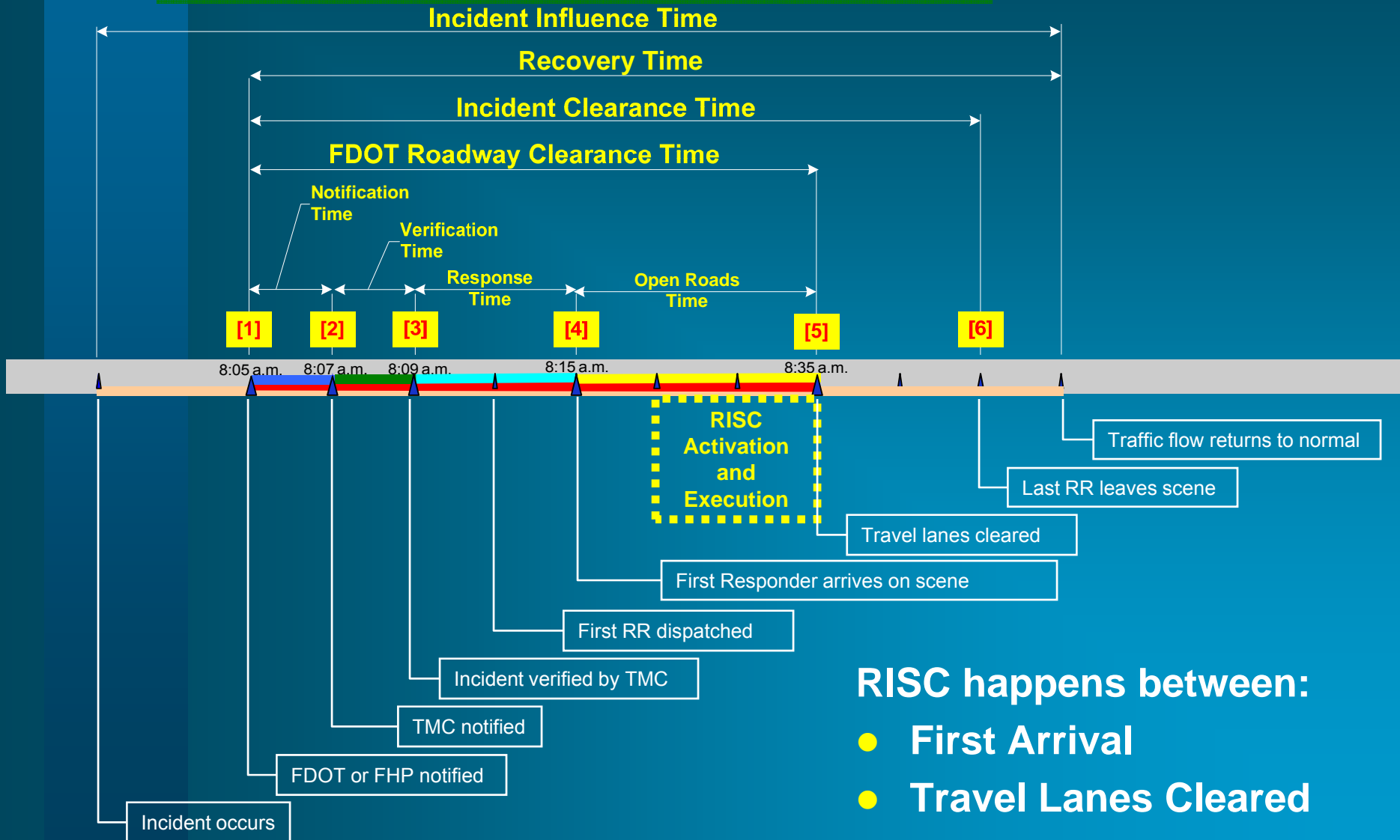
RISC Overview



- **Program goal:**
 - Clearing major incidents and truck crashes in 90 minutes or less.
- **Program Functions:**
 - Dispatches highly trained, wrecker and heavy-recovery equipment operators to incidents
 - Provides bonuses to wrecker operators for on time arrival and on time clearance
 - Provides additional bonus for extra equipment arrival and usage

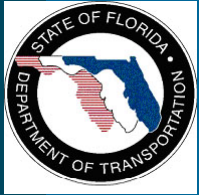


RISC Incident Context



RISC happens between:

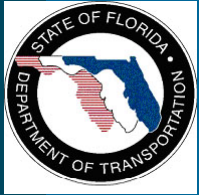
- **First Arrival**
- **Travel Lanes Cleared**



RISC Metrics



- **Timeline:**
 - RISC Activation (dispatched)
 - RISC Arrival: (with proper equipment)
 - RISC Notice to Proceed: (begin clearance activities)
 - RISC Clearance: (travel lanes cleared)
- **Durations:**
 - RISC Response Time: Arrival minus Activation
 - RISC Clearance Duration: Clearance minus NTP
- **Pause/Resume**
 - RISC Activity may be paused and later resumed
 - Time elapsed during paused/resume not counted in RISC Clearance Duration



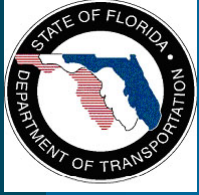
RISC GUI Controls



- **Activate** RISC via Activation Checkbox
- **Enter** current system time in **timestamps** with single click and modify as necessary
- **Indicate** if additional **Equipment** requested and on-scene and if then used
- **Controls** will automatically **enable** when the appropriate prior timestamps is set

Notified by TMC	Responders	Notified	On Scene	Departed
<input type="checkbox"/>	FHP	10/20 10:41		
▶ Other Responders				

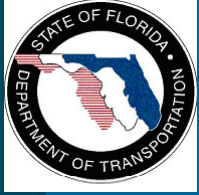
RISC Response	
<input type="checkbox"/> RISC Activated	10/20 10:41
RISC On Scene	10/20 10:41
Notice to Proceed	10/20 10:41
First Notice to Pause	10/20 10:41
First Notice to Resume	10/20 10:41
Second Notice to Pause	10/20 10:41
Second Notice to Resume	10/20 10:41
RISC Clearance	10/20 10:41
Agency	ACME Heavy Wrecking
<input type="checkbox"/> Additional Equipment Requested and On Scene	
<input type="checkbox"/> Additional Equipment Requested and Used	



RISC Proposed Requirements



- 1. SunGuide shall support the RISC Timeline timestamp recording in a separate box, similar to, and below, the Other Responders box in the EM Event Details Dialog**
- 2. SunGuide shall support the RISC timestamp storage in the database in the EM_EVENT_PERFMEASD table**
- 3. SunGuide shall support the RISC timestamp reporting from the SunGuide Reporting Subsystem**
 - 1. Parameters for start and end dates**
 - 2. Summary section**
 - 3. Detail section**
 - 1. Group by RISC agency with own summary metrics**
 - 2. Timestamps and durations of every RISC event**



Change Management Board



Closing and Action Item Review

Peter Vega