



SG-4596

Fractional Occupancy

Mark Dunthorn



Current Behavior

- Some RTMS protocols (Wavetronix, Wavetronix HD) report fractional occupancy
- EIS F/W 6.1 and up has a High Resolution Occupancy but it's not currently used in SunGuide



Current Behavior

- SunGuide stores occupancy as an integer in both the DA flat files and the ODS database
- Fractional occupancy is always rounded down

Current Behavior

- When volume is low (e.g. middle of the night), if the detector reads a single vehicle during a poll cycle, SunGuide would probably record the volume as 1 and occupancy as 0
- These records are rejected by SELS, leading to significant undercounts



Proposed Solution

- When occupancy is greater than zero but less than 1, round up
- Otherwise, stick with the current behavior and round down



QUESTIONS?



Bridge Reporting/Notifications in FL511

James Barbosa
IBI Group





History



- District 6 requested that FL511 accommodate events that identify the Bridge Opening/Closing of the Brickell Bridge
- Also wanted the ability for a user to be able to receive notifications of when the bridge was open/closed
- FDOT Central Office, District 6 Staff and IBI Group met to discuss how to accommodate request.
- Short term solution was to modify FL511 to recognize Bridge Opening/Closing as an incident.

Issues with this Solution

- Frequent openings/closing
- Time consuming for Operators to input/remove
- Not suitable for multiple locations

Southeast	Miami-Dade	US-1	S	Incidents	Minor	Draw bridge in up position in Miami-Dade on US-1 south at Brickell Avenue Bridge. Last updated at 02:32:20PM.	11/29/18, 2:07 PM	11/29/18, 2:32 PM	 <p>12-03-2018 06:14 AM CCTV-608 US-1 AT PORT BLVD S</p>
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Re-evaluation

- Several Discussions with FDOT Central Office (FL511/SunGuide), District 6 Staff and IBI Group on better solution.
- IBI proposes that we treat the bridge openings/closings as a device rather than an event. (Similar to the DMS list)
- Requires SunGuide to create new data object to send to IBI via C2C.



QUESTIONS?



SG-4577

FL511 Bridge Alerts

Tucker Brown



Current Behavior

- The SunGuide bridge preemption function is part of EM
- When a bridge is raised an event with road closure is created, and when it's lowered the road is opened and the event is closed
- FL511 users subscribe to bridge alerts from FL511 by creating an alert for a route that crosses the bridge



Limitations



- Only works with bridges in Miami-Dade County
- There's no way to subscribe (in FL511) for alerts at a specific SunGuide location
- We don't know number of subscribers



Feature Request

- Introduce a new object type for “Bridges”
- System should have the ability to configure a new bridge with information such as:
 - ID
 - Name
 - Location
 - Status (Up/Down, Open/Closed, etc.)
 - Can Publish Flag
 - last updated date time stamp
 - Possibly some information to tie to a data feed for automatic status updates

Generic Feature Subsystem

- This could be made as part of a new system for items the ATMS tracks that really only have status information.
- “Features” could be Bridges, Railroad crossing, or items that have status
- Features would have:
 - ID, Name, Location, Can Publish Flag
 - Type (Bridge, RR crossing, etc)
 - Configurable Status per Type
 - Configurable icons for each status type (or a default for all Status for a particular Type)
 - Information to tie to a data feed for automatic status updates



FL511



- Bridge status would be passed to FL511 via C2C
- FL511 users would be able to subscribe to alerts at specific bridges



Next Steps

- Districts provide a list of bridges to be included in system
- SunGuide create new data object
- FL511 create a new bridge opening/closing page
- FL511 create a new bridge opening/closing map layer
- FL511 modify software to report bridge opening/closings in personalized alerts



QUESTIONS?