



SG-4596 Fractional Occupancy

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SSUG

12/06/2018





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

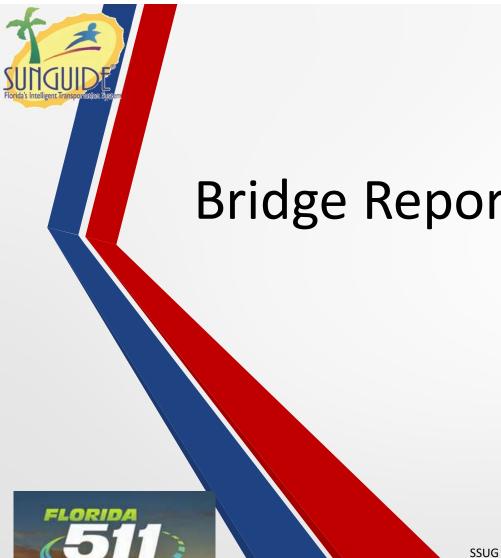
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QUESTIONS?

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Bridge Reporting/Notifications in FL511

James Barbosa IBI Group

12/06/2018

7







- 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

Draw bridge in up position in

Southeast Miami-Dade US-1 S Incidents Minor Minor Brickell Avenue Bridge. Last 2:07 PM PM updated at 02:32:20PM.



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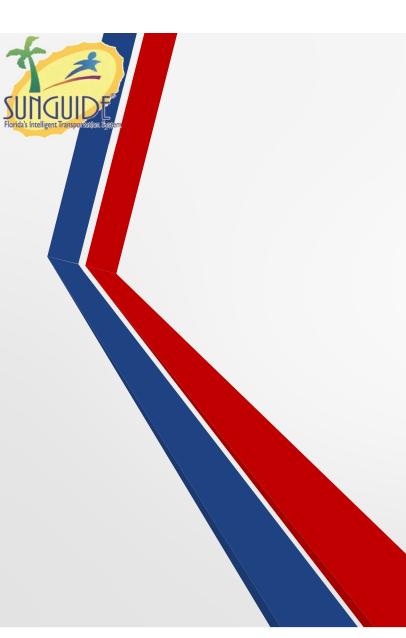
Re-evaluation

- 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?





12

SG-4577 FL511 Bridge Alerts

Tucker Brown

12/06/2018

SSUG







- 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

Change Management Board 05/11/2015 18





QUESTIONS?