





Assessments (RSA) Efforts

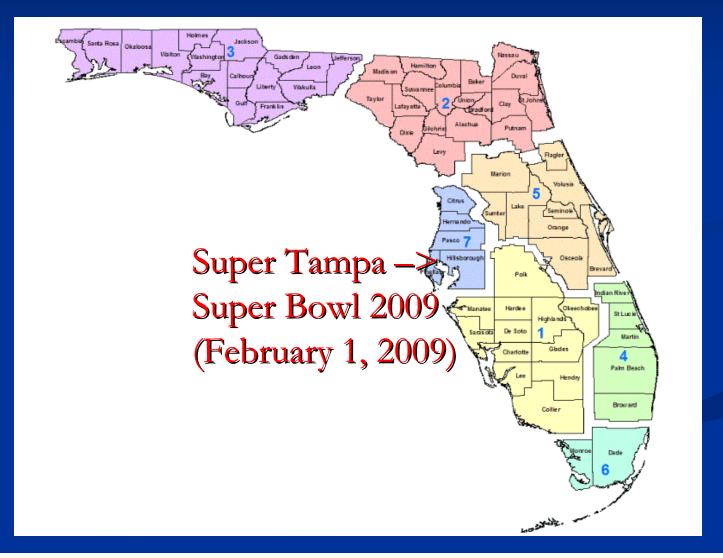
Peter Hsu, P.E.
District Safety Programs Engineer
May 22, 2007

AASHTO/FHWA National RSA Peer Exchange

Where is FDOT D7? (Tampa Bay, Florida)









Overview

HISTORY

D7 RSA

IN-HOUSE

FHWA

FHWA & D7

COUNTY

CITY

DATABASE

CHALLENGES

- History
- District 7 Road Safety Assessments
- District 7 In-House
- Federal Highway Administration
- FHWA Florida Division & District
- County Efforts
- City Efforts
- District 7 RSA Database
- Future Challenges



History

HISTORY

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CHALLENGES

- Road Safety Assessment established by FHWA as a proactive low cost way to improve the overall safety performance of roadways.
- FDOT District 7 Traffic Operations Safety Office initiates a Road Safety Assessment program in 2006.
 - 1st Road Safety Assessment Contract in FDOT history



District 7 Road Safety Assessment Players

HISTORY

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CHALLENGES

- District 7 Traffic Operations Safety
 - Road Safety Assessment Contract
 - In House RSA Program
- FHWA Florida Division
 - Joint Effort with FDOT District 7
- Hillsborough, Pasco, Citrus and Hernando Counties
- City of Saint Petersburg



1st FDOT RSA Contract

HISTORY

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CHALLENGES

- District 7 Road Safety AssessmentConsultant Contract
 - TBE -- Prime
 - Synectics Sub.
 - Kittleson Sub.
- 1st Road Safety Assessment contract in FDOT history
 - District 7 Identifies 15 Locations
 - 2 Locations selected and studied in late 2006



1st FDOT RSA Contract

HISTORY

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CHALLENGES

- TBE/Synectics completed Road Safety
 Assessment Findings Reports
 - Hillsborough Avenue at Kelly Road/Ambassador
 - Florida Avenue at Waters Avenue

Flood Scalety Audio Report

North Floods Avernor - Tomps

Trial Sign Florido

Tomps Florido - More and Connect Connect Fine performance of the per

Florida Department of Transportation – District 7

Road Safety Audit REPORT
Hillsborough Ave. at Kelly Road / Ambassador Drive

Issue: Street Name Sign Retro-reflectivity
Location: Hillsborough Ave. at Kelly Road and at Ambassador.
Drive

None of the street name signs at this intersection were internally illuminated, all signs used retro-reflective sheeting materials. Some of the street name signs at the intersection, both those that were post and span wire mounted appear to have lost their retro-reflectivity, Fig 7. It was clear that under certain lighting conditions, particularly at night, that signs were difficult for motorists to see.



Suggestion: That the street name signs be checked and upgraded as needed to meet desired retro-reflectivity requirements.

Issue: Visibility of Plaza Access Road Signing







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CHALLENGES

- District 7 Traffic Operations Safety Office
- Collaborated Effort
 - District 7 Maintenance
 - Hernando County Engineering
 - Hernando County Sheriff's Office
 - Citrus County Traffic Control
 - Citrus County Sheriff's Office
 - City of Inverness Public Works
 - City of Crystal River Public Works
 - Tindale-Oliver & Associates, Inc.
 - Hagen Consulting Services / University of Florida's T² Center (Safety Circuit Rider Program)



HISTORY

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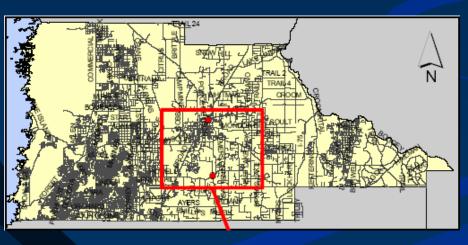
COUNTY

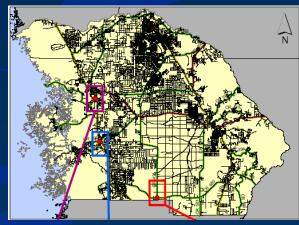
CITY

DATABASE

CHALLENGES

- Hagen Consulting Services leads preassessment training.
- Hernando and Citrus Counties
 - County staff selected review locations.







HISTORY

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CHALLENGES

- Top 5 Locations Reviewed February 2007
 - 2 locations in Hernando County
 - 3 locations in Citrus County









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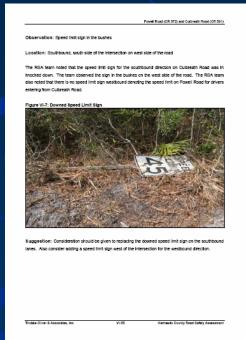
CITY

DATABASE

CHALLENGES

Tindale-Oliver & Associates, Inc.
 compiles Road Safety Assessment
 Findings Reports

- CR 491 at CR 480
- Grover Cleveland at Pittsburgh Ave
- Paradise Point Rd at Cutler Spur Blvd
- CR 445 at Brockway Ln
- CR 572 at CR 581





Federal Highway Administration Involvement in Tampa Bay Florida

HISTORY

D7 RSA

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DATABASE

CHALLENGES

- Federal Highway Administration Road
 Safety Assessment initiative
- July 2006 Training Workshops
 - FHWA's Craig Allred Instructor
- 55 Members Trained From:
 - **■** FDOT
 - Counties
 - Cities
 - Consultants



Federal Highway Administration Involvement in Tampa Bay Florida

HISTORY

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CHALLENGES

- Road Safety Assessment at 2 Locations
 - Busch Boulevard and 56th Street
 - Busch Boulevard and 40th
- Results given to design consultants for consideration in coming 3R project.



HISTORY

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CHALLENGES

- Joint Federal Highway Administration Florida
 Division and District 7 Traffic Operations Safety
 Office Road Safety Assessment in March 2007
- Collaborated Effort
 - Federal Highway Administration Florida Division
 - District 7 Traffic Operations Safety
 - Pasco County Traffic Operations
 - Pasco County Sheriff's Office
 - City of New Port Richey
 - Tindale-Oliver & Associates, Inc.
 - Hagen Consulting Services / University of Florida's T² Center (Safety Circuit Rider Program)
 - URS Corporation



HISTORY

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CHALLENGES

- Federal Highway Administration Florida Division approached FDOT seeking to promote Road Safety Assessment.
 - Local Roads Road Safety Assessment.
- District 7 selects Pasco County for 1st joint FHWA/FDOT local roads RSA.









HISTORY

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CHALLENGES

- Tindale-Oliver & Associates, Inc. develops Top 50 Candidate List.
- Pasco County staff selects 10 locations for review.
- Hagen Consulting Services leads pre-Assessment training.









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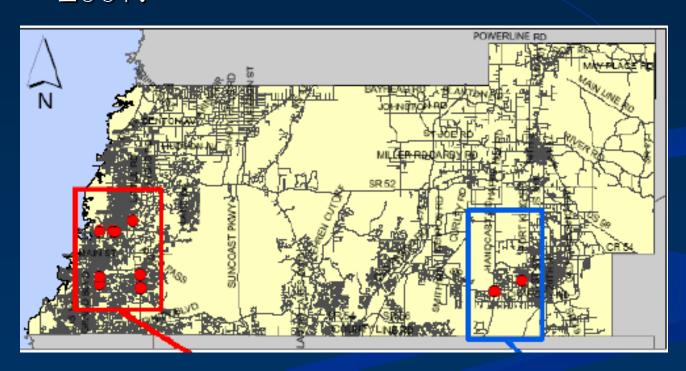
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CHALLENGES

Top 10 locations reviewed February 2007.





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CHALLENGES

- Tindale-Oliver & Associates, Inc. compiles Road Safety Assessment Findings Report (172 pages).
 - CR 587 at Sterling
 - CR 1 at Embassy Blvd
 - CR 587 at CR 77
 - CR 587 at Leo Kidd Ave
 - CR 1 at Saint Lawrence Dr
 - SR 54 at CR 579
 - CR 518 at Madison St
 - Madison St at Cecelia Dr
 - CR 1 at Rancho del Rio Dr
 - SR 54 at Dean Dairy





County Efforts in Tampa Bay

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CHALLENGES

- Hillsborough County Road Safety
 Assessment Program
- 4 Locations Identified
 - Waters Ave from Sheldon to Hanley
 - Victoria Street from Limona to Kings
 - Morris Bridge Road from I 75 to County Line
 - Linebaugh Avenue from Race Track to Countryway



County Efforts in Tampa Bay

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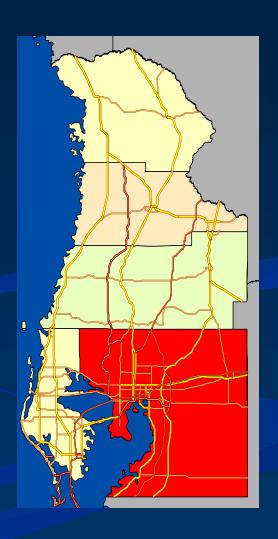
COUNTY

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DATABASE

CHALLENGES

- County Staff Reviews Recommendations
 - Work Orders Issued if Not a Capital Investment Project
 - Added to Future
 Projects to be Funded
 if it Involves a Capital
 Investment Project





City Efforts in Tampa Bay

HISTORY

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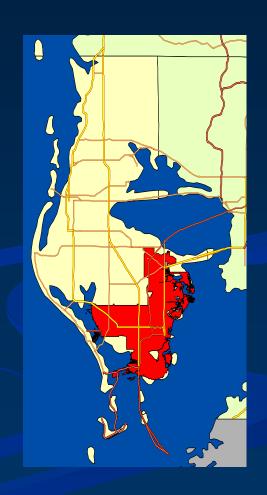
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DATABASE

CHALLENGES

- City of Saint Petersburg
- 1 Location Identified
 - 38th Avenue N between 1st and 4th Street
- Short and Medium
 Range
 Recommendations
 Implemented





All District 7 Study Locations

HISTORY

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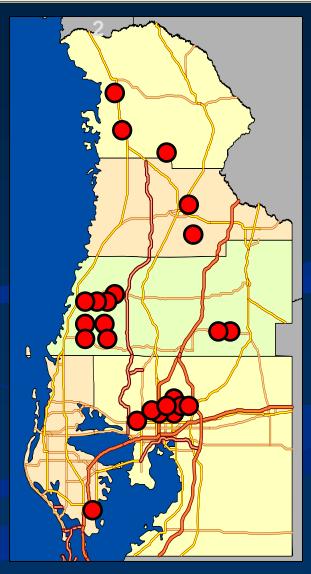
COUNTY

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DATABASE

CHALLENGES

- 25 Road Safety
 Assessment
 Locations Since
 2006 in District 7
 - Citrus
 - Hernando
 - Pasco
 - Pinellas
 - Hillsborough





RSA Challenges

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CHALLENGES

- Manpower
 - Many RSA Teams to Study
 - One Government Jurisdiction to Implement
- Resources
 - Funds for Improvements
- Liability
 - Public Records



Questions?

HISTORY

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CHALLENGES

