Local Road Safety Program

Marie B. Walsh, Director
Louisiana LTAP
January 10, 2011
Louisiana Transportation Conference
Local Road Safety Program

- Addresses the “ALL” public road inclusion of SAFETEA-LU
- Primary mechanism to implement the LA Strategic Highway Safety Plan (SHSP) at local level
- Provides an increased focus on local road safety issues as well as more opportunities and resources
Local Road Safety Program

- Outreach
- Training & education
- Technical assistance
  - Data analysis
  - Consultation
- Low cost safety improvement projects
Improvement Projects

• A reimbursement program intended to reduce injuries and fatalities on local roads

• Maximum project funding of $500,000 with either a 5% or 10% local match

• Applications available online at www.louisianalrsp.org; due January 15
Projects Completed & Let

- 11 purchase projects
- 1 construction project
- 4 projects scheduled to be let in May/June

Proposed Roundabout Design
General Mouton @ Taft St., Lafayette, LA
District 02 Existing LRSP Projects

- Orleans Parish
  - Pedestrian Crossing Improvements (2)
- Thibodaux, LA
  - Intersection Study
  - Signal Warrant Analysis
- Plaquemines Parish
  - Message Boards
- St. Bernard Parish
  - Work Zone Safety Equipment
- Jefferson Parish
  - Curve Advisory Sign
  - Radar Speed Display
- Kenner, LA
  - Traffic Study
  - Sidewalk Construction
District 03 Existing LRSP Projects

- Acadia Parish
  - Road Striping/Signing

- Crowley, LA
  - Speed Trailers

- Rayne, LA
  - Pavement Markings
  - Speed Trailers

- Eunice, LA
  - Portable Stop Signs
  - Speed Trailers

- Lafayette, LA
  - Gen. Mouton @ Taft Roundabout
  - Hospital Dr. @ Girard Park Roundabout
  - Signal Inventory
  - Access Management Plan

- New Iberia, LA
  - Traffic Studies on Lewis St. & Jefferson Terrace
  - Radar Speed Trailers
District 04 Existing LRSP Projects

- Caddo Parish
  - Off-system Bridge Guardrails
  - Mobile Variable Message Boards

- Shreveport, LA
  - Traffic Signal Power Backup (2)

- Vivian, LA
  - Signing Improvements

- Claiborne Parish
  - Sign Inventory System

- Cullen, LA
  - Thermoplastic Striping
District 05 Existing LRSP Projects

- Lincoln Parish
  - Braswell Lane Traffic Study
  - Line of Sight Improvements

- Jackson Parish
  - Off-system Bridge Guardrails
  - Line of Sight Improvements
  - Variable Message Boards

- East Carroll Parish
  - Signing Improvements

- Providence, LA
  - Signing Improvements

- Sterlington, LA
  - Crosswalk Delineation

- Monroe, LA
  - Speed Limit Trailers
District 07 Existing LRSP Projects

- Beauregard Parish
  - Data Management
  - Thermoplastic Striping
  - Signing Upgrades

- Calcasieu Parish
  - Data Management and GIS
  - Sign Tracking Software

- Vinton, LA
  - Signing Improvements
  - Variable Message Boards

- Lake Charles, LA
  - Traffic Signal Upgrades (4)

- Westlake, LA
  - Signing Improvements
District 08 Existing LRSP Projects

- Winn Parish
  - Signing Improvements
  - Pavement Markings

- Natchitoches Parish
  - Signing Improvements on Rural Arterials

- Rosepine, LA
  - Sidewalk Construction
District 58 Existing LRSP Projects

- Grayson, LA
  - Signing Improvements

- Franklin Parish
  - Signing Improvements
  - Rumble Strips
District 61 Existing LRSP Projects

- Ascension Parish
  - Roundabout

- Central, LA
  - Rumble Strips
  - Radar Speed Trailers

- Livingston Parish
  - Eden Church Road Curve Improvements
District 62 Existing LRSP Projects

- Tangipahoa Parish
  - Intersection Improvements
  - Signing & Pavement Markings

- Hammond, LA
  - Turning Lane

- St. Tammany Parish
  - Tammany Trace Improvements

- Slidell, LA
  - GIS Handhelds
  - Variable Message Boards

- Pearl River, LA
  - Signing & Striping Improvements

- Bogalusa, LA
  - Striping Improvements
Intersection Action Plan

- Analyzed local data (CRASH 3)
- Excluded highest crash parishes from initial analysis
- Set crash thresholds for selection
- Identified sites with potential
- Sponsor installs signs, pavement markings, beacons; reimbursed 100%
Intersection Evaluations

- Visited 59 sites
- 47 selected for improvement
- Low cost treatments
- Pilot program in Tangipahoa Parish
Signing Upgrades

- Replace all existing signs
- Oversized signs
- "Double-up" signing
- Yellow & red solar flashing beacons mounted on top of warning & regulatory signs
Standard Plans

"T" Intersection, One-way Stop

2-way Stop Intersection
Standard Plans

“T” Intersection, 3-way Stop

4-way Stop Intersection
Roadway Departure Action Plan

- Analyzed available data (limited to spots & sections due to geographical info)
- Defined crash thresholds
- Identified 24 sections & 16 spot locations
- Made recommendations
Recommendations

- Curve warning signs
- Advisory speed plates
- Chevron signs
- Flashing yellow beacons
- Center and edge-line striping

Estimated costs:
- $5,000 (signing only)
- $50,000 (signing + striping)
Typical Standard Plans for Turn/Curve Warning Locations
*Adapted from Fig. 2C-2, MUTCD 2009 Edition*

Notes:
1. See Table 2C-4 for advance placement distance guidelines
2. See Table 2C-6 for spacing of W1-8 signs
3. A 25-mph advisory speed is shown for illustrative purposes only
4. W1-1 signs are used with advisory speeds of 30 mph or less; W1-2 is used for advisory speeds of greater than 30 mph
Typical Standard Plans for Turn/Curve Warning Locations
Adapted from Fig. 2C-2, MUTCD 2009 Edition

Notes:
1. See Table 2C-4 for advance placement distance guidelines
2. See Table 2C-6 for spacing of W1-8 signs
3. A 25-mph advisory speed is shown for illustrative purposes only
4. W1-1 signs are used with advisory speeds of 30 mph or less; W1-2 is used for advisory speeds of greater than 30 mph
Typical Standard Plans for Reverse Turn/Curve Locations
Adapted from Fig. 2C-2, MUTCD 2009 Edition

Notes:
1. See Table 2C-4 for advance placement distance guidelines
2. See Table 2C-6 for spacing of W1-8 signs
3. A 25-mph advisory speed is shown for illustrative purposes only
4. W1-3 signs are used with advisory speeds of 30 mph or less; W1-4 is used for advisory speeds of greater than 30 mph
Typical Standard Plans for Reverse Turn/Curve Locations
Adapted from Fig. 2C-2, MUTCD 2009 Edition

Notes:
1. See Table 2C-4 for advance placement distance guidelines
2. See Table 2C-6 for spacing of W1-8 signs
3. A 25-mph advisory speed is shown for illustrative purposes only
4. W1-3 signs are used with advisory speeds of 30 mph or less; W1-4 is used for advisory speeds of greater than 30 mph
Training - Highway Safety

- Intersection Traffic Control & Safety 1
- MUTCD & Retro-reflectivity Workshop 8
- Introduction to Traffic Management & Road Safety in Louisiana 1
- Road Safety 101 3
- Roadway Departure Workshop 7
- Low Cost Safety Improvements: A Blended Approach 3
- Low Cost Treatment for Horizontal Curve Safety 2
- Intersection Safety Review Meeting 2
- Roadway Departure, Intersections & Speed Webinar 1
- Work Zone Safety
SHSP Partnerships

- Impaired Driving Law Enforcement Workshops
- Occupant Protection Focus Team Leader
- Speed Management Workshops
- Data Improvement and Analysis
- 4 E Projects
- Regional Safety Teams
Think Globally, Act Locally

- Toward Zero Deaths
- Transportation Research Board
- Highway Safety Manual
- Systemic Tool
- NACO Peer Project
- Safety Work Force Development
- “Extra Eyes for Safety”
LTAP 25 Years of Service
Contact Information

LTAP/LRSP
Marie Walsh, Director
mbwalsh@ltrc.lsu.edu
225-767-9184

Spencer Boatner
LTAP Program Manager
spencerboatner@dotd.la.gov
225-767-9717

www.louisianalrsp.org