SHSP Action Plan Development

# Older Road Users EA Team

January 30, 2018

# Agenda

- Welcome and Introductions

- Review Action Plans Developed by Working Groups

- Discuss Remaining Countermeasures Identified for Action Planning



- Next Steps

## STRATEGIES: OLDER ROAD USERS EMPHASIS AREA

| | |
|---|---|
| **Strategy #1** | Reduce wrong way crashes |
| **Strategy #2** | Design and operate roadways to meet the needs of older road users |
| **Strategy #3** | Implement effective methods and tools to prepare older road users to deal with the limitations brought on by the aging process |
| **Strategy #4** | Improve mobility options for older road users |
| **Strategy #5** | Implement methods to reduce injury severity among older road users |

| NUMBER | COUNTERMEASURE |
|---|---|
| 1b | Install wrong way driver warning signs, pavement markings, and advanced technology to detect and warn wrong way drivers, particularly at high speed intersections with medians where drivers are likely to turn into oncoming traffic. |
| 2a | Implement strategies and standards included in the Human Factors Guide and the Handbook for Designing Roadways for the Aging Population broadly across Texas. Specifically adopt as standard practice: Turn lane channelization, offset left-turn lanes, edge line and curb delineation, left-turn traffic control for signalized intersections (protected left turn phases), advance street name signs, particularly at three-legged intersections and locations with a relatively large annual average daily traffic or a large expected number of crashes, larger signs, advance warning signs, overhead lane assignment on intersection approach, and improved signal head visibility.   Publicize improvements |
| 2e | Bring FHWA and National Highway Institute training courses on the Handbook for Designing Roadways for the Aging Population and Human Factors Guidelines to TxDOT districts, MPOs, and city engineering audiences. |
| 3e | Encourage adoption of a law requiring periodic driver licensing tests for adults. |
| 4b | Identify current and recommended strategies for improving older person mobility in urban and rural areas, fund research on ways to encourage use of mobility options other than driving (including transit and transportation network companies) by older drivers and recommend strategies for improving mobility in urban and rural areas. |
| 5b | Educate older drivers on vehicle safety technologies, vehicle safety systems, and after-market products useful for reducing injuries due to traffic incidences (Pilot test providing vehicle safety system information from the My Car Does What program in one or more motor vehicle offices). |
| | Implement CarFit, an educational program that offers older adults the opportunity to check how well their personal vehicles fit them. |
| | Identify resources and disseminate the information to increase older road user safety knowledge and awareness (AAA, AARP, Hartford Insurance, Hillcrest Medical Center caregiver-focused mature driver program, and the Fort Worth Blue Zone). |
| | Educate and encourage medical professionals to discuss driving ability especially as it relates to post-surgery, specific medications, and general aging. |
| | Educate law enforcement on importance of, and procedures and practices, to refer drivers to the Drivers License Medical Advisory Board Video, pamphlets, pocket cards) (TxDOT outreach program). |

| Strategy #1 | Reduce wrong way crashes |
|---|---|
| **Countermeasures and Programs:** | |
| 1b | Install wrong way driver warning signs, pavement markings and advanced technology to detect and warn wrong way drivers |

Facilitated Discussion Group Notes:

Step 1: Design, evaluation plan; implement pre-test; identify sites
(Lead organization: research organization, i.e. TTI)

Step 2: Install countermeasure (Markings technology, etc.)
(Lead organization: TxDOT, municipalities)

Step 3: Evaluation, hopefully leading to standardization
(Lead organization: research organization)

| Strategy #1 | Reduce wrong way crashes |
|---|---|
| **Countermeasures and Programs:** | |
| 1b | Install wrong way driver warning signs, pavement markings and advanced technology to detect and warn wrong way drivers |

Effectiveness: **
- Limited study of effectiveness of technology to detect
- Pavement markings highly effective

Cost of implementation: $
- Pavement markings are inexpensive
- Technology can be more expensive

Time of implementation: medium
- Can be done with existing staff, needs to be worked into existing plans

| Strategy #2 | Design and operate roadways to meet the needs of older system users |
|---|---|
| **Countermeasures and Programs:** | |
| 2a | Implement strategies and standards included in the Human Factors Guide and the Handbook for Designing Roadways for the Aging Population broadly across Texas. Specifically adopt as standard practice: Turn lane channelization, offset left-turn lanes, edge line and curb delineation, left-turn traffic control for signalized intersections (protected left turn phases), advance street name signs, particularly at three-legged intersections and locations with a relatively large annual average daily traffic or a large expected number of crashes, larger signs, advance warning signs, overhead lane assignment on intersection approach, and improved signal head visibility.   Publicize improvements. |

## Facilitated Discussion Group Notes:

Step 1: Evaluate time to implement and coat effectiveness/prioritize
which measures to implement

Step 2: Implementation of measures

Step 3: Evaluation of measures leading to making measures part of
standards

Effectiveness: ***
- Already vetted

Cost of implementation: $$
- Varies by specific countermeasure

Time of implementation: very long to full implementation

| Strategy #2 | Design and operate roadways to meet the needs of older system users |
|---|---|
| **Countermeasures and Programs:** | |
| 2e | Bring FHWA and National Highway Institute training courses on the Handbook for Designing Roadways for the Aging Population and Human Factors Guidelines to TxDOT districts, MPOs, and city engineering audiences. |

Millie:  working with resource center

Marcus:  powerpoint file exists that talks about Handbook and how to use it

MPOs, Cities, TxDOT (division and districts), TexITE

| Strategy #3 | Implement effective methods and tools to prepare older road users to deal with the limitations brought on by the aging process |
|---|---|
| **Countermeasures and Programs:** | |
| 3e | Encourage adoption of a law requiring periodic driver licensing tests for adults |

Facilitated Discussion Group Notes:

Step 1: Develop older driver task force include TxDOT, TTI, TxDPS, local law enforcement, advocacy groups, Area Agency on Aging, AARP, gerontologists, social workers, community organizations, VA

Step 2: Research (Lead organization: Task force)

- Surveys on behavior
- Focus groups
- Interviews

Step 3: Draft policy  (Lead organization: Task force)

Step 4: Identify Texas legislator champion  (Lead organization: Task force)

| Strategy #3 | Implement effective methods and tools to prepare older road users to deal with the limitations brought on by the aging process |
|---|---|
| **Countermeasures and Programs:** | |
| **3e** | Encourage adoption of a law requiring periodic driver licensing tests for adults |

Step 5: Introduce bill  (Lead organization: champion)

Step 6: Lobby support  (Lead organization: champion, task force)

Step 7: Work with task force for PI&E  (Lead organization: DPS)

Step 8: Enforce/implement (Lead organization: DPS)

Step 9: Evaluate   (Lead organization: task force)

Effectiveness: *

Cost to implement: $

Time to implement: medium

| Strategy #4 | Improve mobility options for older road users |
|---|---|

| Countermeasures and Programs: | |
|---|---|
| 4b | Identify current and recommended strategies for improving older person mobility in urban and rural areas, fund research on ways to encourage use of mobility options other than driving (including transit and transportation network companies) by older drivers and recommend strategies for improving mobility in urban and rural areas. |

Steps for implementation:

1. Identify Current Transit/transportation options for the older population

    1. Transit (urban and rural transit)

    2. Taxi and Network Companies

    3. Volunteer networks

    4. Council of Governments/ MPO (inventory and data)

2. Research barriers to use of transportation services by older users

    2. Research what volunteer driving programs and traditional service are already in place

        Example: Drive a Senior

2.  Research what volunteer driving programs and traditional service are already in place

      Example: Drive a Senior

      a. Contact Florida and California DOTs

3.  Survey current volunteer programs

      a. Find out what works and what doesn't;

      b. Identify steps to starting such programs and promoting them to the public

4 .  Offer training on volunteer driving programs to

      a. Senior centers, churches and/or medical facilities

5.   Provide information to Older Users on Options and overcoming barriers to use

- Identify entity and mechanism to update and keep current

| Strategy #5 | Implement methods to reduce injury severity among older road users |
|---|---|
| **Countermeasures and Programs:** | |
| 5b | Educate older drivers on vehicle safety technologies, vehicle safety systems, and after-market products useful for reducing injuries due to traffic incidences (Pilot test providing vehicle safety system information from the My Car Does What program in one or more motor vehicle offices). |
| | Implement CarFit, an educational program that offers older adults the opportunity to check how well their personal vehicles fit them. |
| | Identify resources and disseminate the information to increase older road user safety knowledge and awareness (AAA, AARP, Hartford Insurance, Hillcrest Medical Center caregiver-focused mature driver program, and the Fort Worth Blue Zone). |
| | Educate and encourage medical professionals to discuss driving ability especially as it relates to post-surgery, specific medications, and general aging. |
| | Educate law enforcement on importance of, and procedures and practices, to refer drivers to the Drivers License Medical Advisory Board Video, pamphlets, pocket cards) (TxDOT outreach program). |

## Steps for implementation:

A. Identify resources, agencies and websites that **educate** older drivers and their caregivers; create handouts and flyers; examples:
- My Car Does What?
- CarFit
- Warning Signs (limitations associated with age)
- Self Assessment Tools
- Fact Sheets with Stats, Common Mistakes and Challenges older drivers face

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## Steps for implementation:

B. Put together a packet of information (from A) that can be **disseminated** to:
- DMV
- Tax Offices
- Post Offices
- Senior Centers
- Car Service Agencies such as Discount Tire, oil changes, Insurance companies

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1. Dealerships – Sales People
   a. Encourage training of vehicle technology
      i. Sales people take the time to demonstrate to buyers
   b. Raise awareness of which vehicles best choice for older drivers
   c. CarFit training and implementation
   d. Provide packets for dissemination
   e. Develop recognition program for those serving the Older Drivers
      i. this dealership is a 'certified' Older Driver agency

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2. Medical Community
   a. Provide packets for dissemination
   b. Offer training of the resources available
   c. Conduct workshop at medical conferences
   d. Lunch –n- Learn for medical offices
   e. Contact Florida and California DOTs

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3. Law Enforcement
   a. Provide packets for dissemination
   b. Check with NHTSA and other states to see if something already in place
   c. Offer training
      i. Work with TMPA to develop a TCOLE credit class on Older Drivers

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4. General Public
   a. Provide packets for dissemination to:
      - Active Senior Communities
      - DMV
      - Tax Offices
      - Car Service Agencies such as Discount Tire, oil changes, Insurance companies
      - Post Offices
      - Senior Centers

   b. Create system where drivers can anonymously send in cards when an older driver is seen making poor driving choices
      i. Mature Driver Program send packets to those drivers
      ii. Work with DMV or DPS (ask SafeKids) to identify addresses

# Wrap Up

- Review plans for next meeting
- Questions
- Comments

## Thanks very much!