AASHTO STRATEGIC HIGHWAY SAFETY PLAN

Plan Discussion

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Implementation Projects

SHSP Plan

- Purpose. A strategic plan for highway safety that will positively impact the nation's present and predicted statistics on vehicular related death and injury.
- Comprehensive in nature and reflects input from many participating safety organizations.

SHSP Plan

- Participating safety organizations
  - USDOT
  - AASHTO
  - NAGHSR
  - NTSB
  - MADD
  - IIHS
  - AAA
  - AAMVA
  - AARP
  - NSC
  - ATA
  - TRB
  - ARTBA
  - RSF
  - ATSSA
  - GMC

SHSP Plan

- Participating safety organizations (cont)
  - states and counties
  - bicycle federation of america
  - academia
  - railroad industry
  - insurance industry
  - private consultants
  - enforcement

SHSP Plan - 6 Main Elements

- Drivers
- Special (Other) Users
- Vehicles
- Highways
- Emergency Medical Services
- Management

SHSP - Emphasis Areas

- Emphasis Areas are specific safety issue areas related to the 6 Elements
- The SHSP has 22 Emphasis Areas
- There are 92 suggested strategies supporting the 22 Emphasis Areas

SHSP Plan
Driver Element

- 8 Emphasis Areas

1. Institute GDL for young drivers
2. Ensuring drivers are fully licensed and competent
3. Sustaining proficiency in older drivers
4. Curbing aggressive driving
5. Reducing impaired driving
6. Keeping drivers alert
7. Increasing driver safety awareness
8. Increasing seat belt use and improving air bag effectiveness

SHSP Plan
Special Users Element

- 2 Emphasis Areas

9. Making walking and street crossing safer
10. Ensuring safer bicycle travel

SHSP Plan
Vehicles Element

- 3 Emphasis areas

11. Improving motorcycle safety and increasing motor cycle safety awareness
12. Making truck travel safer
13. Increasing safety enhancements in vehicles

SHSP Plan
Highways Element

- 6 Emphasis areas

14. Reducing vehicle - train crashes
15. Keeping vehicles on the roadway
16. Minimizing the consequences of leaving the roadway
17. Improving the design and operation of highway intersections
18. Reducing head-on and across-median crashes
19. Designing safer work zones

SHSP Plan
Highways Element

- Additional Emphasis areas developed by Wisconsin

23. Drive more safely in inclement weather
24. Reduce deer crashes

SHSP Plan
EMS Element

- 1 Emphasis area

20. Enhancing emergency medical capabilities to increase survivability

SHSP Plan Management Element

- 2 Emphasis areas

21. Improving information and decision support systems
22. Creating more effective processes and safety management systems

SHSP Implementation Projects

- SHSP Implementation Support - NCHRP Project 17-18
- SHSP Website - NCHRP Project 17-18(02)
- SHSP Implementation Guidelines - NCHRP Project 17-18(03)
- Highway Safety Manual - NCHRP Project 17-18(04)
- Model Approach to Reducing Statewide Fatalities/Injuries - NCHRP Project 17-18(05)

SHSP Implementation Projects
Additional Projects

- SHSP - Marketing Plan
- SHSP - Case Studies

SHSP Implementation Projects Web Site

Implementation Projects Descriptions

www4.national-academies.org/trb/crp.nsf

(under NCHRP select all projects then area 17)

Project 17-18
SHSP Implementation Support

- Continuing Project Panel
- Oversight for the SHSP Implementation
- Develop Support Projects
- Monitor the Progress of the Implementation of the SHSP and Related Projects
- Includes the SHSP Marketing Plan and the Case Studies support projects.

Project 17-18(02)
SHSP Web Site

- Web Site Address
  - –http://safetyplan.tamu.edu/
- Web Site Purpose - “To share information with individuals who develop highway safety policy and programs.”
  - – Share ideas
  - – Share examples
  - – Share contact names

Project 17-18(02) SHSP Web Site

- Web Site Goal - "To promote the implementation of the goals and strategies of the AASHTO SHSP."
- Contribute to the Web Site
  - Access the site and use the "Contribute Ideas" form.

Project 17-18(02)
SHSP Web Site

Texas Transportation Institute

Information & Technology Exchange Center

Sandra Tucker, Principle Investigator

979-845-1636

Project 17-18(03)
SHSP Implementation Guides

- 13 Emphasis Area guides - 6 AASHTO and 7 FHWA Pooled Fund supported.
- Guides will be individual documents, but linked as appropriate.
- Goal - Provide highway agencies with tools to assist in the implementation of highway safety improvement programs/projects targeted to reduce fatal and injury crashes

Project 17-18(03)
Guides - 6 - AASHTO $$

- Aggressive Driving
  - (Drivers - emphasis area #4)
- Suspended/Revoked Drivers
  - (Drivers - emphasis area #2)
- Hazardous Trees
  - (Highways - emphasis area #16)
- Run-Off-The-Road
  - (Highways - emphasis area #15)

Project 17-18(03)
Guides - 6 - AASHTO $$

- Head-On
  - (Highways - emphasis area #18)
- Unsignalized Intersections
  - (Highways - emphasis area #17 - Iowa and Wisconsin supported)

Project 17-18(03)
AASHTO $$ Guides Workshops

- November 2000 Workshops in Washington DC at the National Academies of Science
- Build on Consultant developed initial draft compendium of strategies with expert input from invited related safety participants.
  - November 9,10 - Unsignalized intersections, head-on and run-off road
  - November 13,14 - Tree symposium
  - November 16,17 - Aggressive driving and suspended/revoked drivers

Project 17-18(03)
AASHTO Guides Schedule

- 1 final draft Implementation Guide completed by TRB meeting in January 2001.
- All 6 Implementation Guides anticipated to be completed by March 2001.

Project 17-18(03)
Guides - 7 - FHWA Pooled Fund $$

- Trucks
  - (Vehicles - emphasis area #36)
- Pedestrians (Mid-block/large urban areas)
  - (Special Users - emphasis area #9)
- Utility Poles
  - (Highways - emphasis area #16)
- Curves
  - (Highways - emphasis area # 15)

Project 17-18(03)
Guides - FHWA Pooled Fund $$

- Signalized Intersections
  - (Highways - emphasis area #17)
- Older Drivers
  - (Drivers - emphasis area #3)
- Unbelted Drivers and Occupants
  - (Drivers - emphasis area #8)

Project 17-18(03)
FHWA Pooled Fund Guides Schedule

- 1 final draft Implementation Guide completed by ??
- All 7 Implementation Guides anticipated to be completed by fall 2001.

Project 17-18(04)
Highway Safety Manual

- FHWA Sponsored Project
- Project Purpose

  "To provide the best factual information and tools, in a useful and widely accepted form, to facilitate roadway design and operational decisions based on the explicit consideration of their safety consequences."

Project 17-18(04)
Highway Safety Manual

- 18 month time frame
- Completion - June 2002
- 17-18(04) Products
  1. Detailed conceptual outline for the first edition of the Highway Safety Manual
  2. Draft prototype chapter including proposed interactive tools
- Related to the SHSP under Emphasis Areas 21/22 - Improved safety data & processes

Highway Safety Manual Completion Schedule

- 17-18(04) - June 2002
- Final document - 5 year target
  - beginning with 17-18(04)
  - Anticipated completion date - 2005

Project 17-18(05)
Model Statewide Safety Approach

- Project Objective
  - "To develop a user guide for state and local highway agencies that outlines an integrated process to effectively address major highway related crash problems within a state regardless of jurisdictional responsibilities."
  - 18 month time frame
  - Completion - June 2002
- Related to the SHSP under Emphasis Area 22 - More effective processes

SHSP Implementation Projects Additional Projects

- SHSP Marketing Plan
  - "To develop an assessment tool for safety officials to compare their strategic safety plans or current safety efforts against the best practices identified in the AASHTO SHSP."
  - 9 month time frame
  - Completion - Fall 2001
- Related to the SHSP under Emphasis Area 21 - Improve info and decision support systems

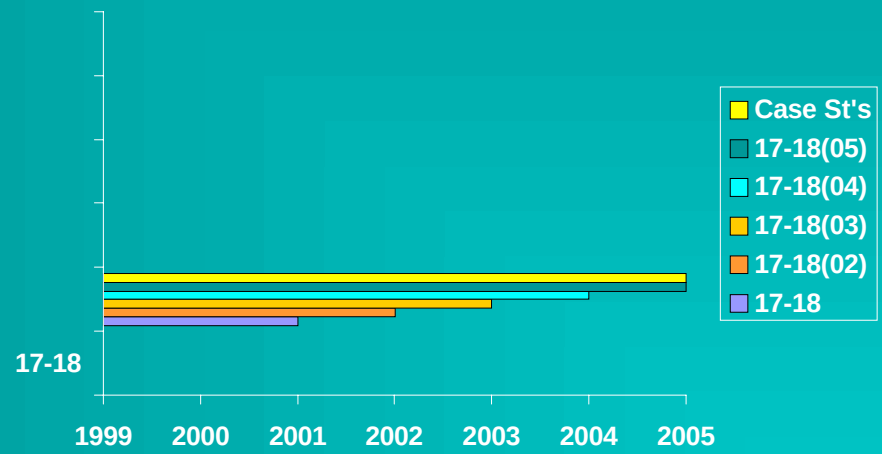
SHSP Implementation Projects Additional Projects

- SHSP - Case Studies
  - Project Objective - “To document, through case studies, the applications of the AASHTO SHSP in 5 states.”
  - 6 month time frame
  - Completion - June 2001
- Related to the SHSP under Emphasis Area 22 - More effective safety management systems

SHSP Implementation Projects Review

- SHSP Implementation Support - NCHRP Project 17-18
- SHSP Website - NCHRP Project 17-18(02)
- SHSP Implementation Guidelines - NCHRP Project 17-18(03)
- Highway Safety Manual - NCHRP Project 17-18(04)
- Model Approach to Reducing Statewide Fatalities/Injuries - NCHRP Project 17-18(05)

SHSP Implementation Projects
Additional Projects

- SHSP - Marketing Plan
- SHSP - Case Studies

SHSP Implementation Projects Summary Schedule