Road Safety Evaluation
Shoalwater Bay Roads
WSDOT Highways & Local Programs
Road Safety Evaluation

- A process to investigate traffic safety on tribal, county, or city roadways

- Roadway may be selected for evaluation if they have history of fatal or serious injury collisions within past 5 years
Road Safety Evaluation

- On-site review
- Using a multi-disciplinary team
- Produce a Planning Level Report for Tribe’s Use
- Requested Road Safety Evaluation from WSDOT Local Programs office in May 2007
- Conducted October 2007
Roadway Evaluation Team

Invited representatives from all jurisdictions:

- Shoalwater Bay Tribe
- Bureau of Indian Affairs
- Washington State Dept. Of Transportation
- NW Tribal Technical Assistance Program
- Pacific County
Multi-disciplinary Review Team

- Tribal Representatives: council members, police chief, design consultant, maintenance, water, cultural, and environmental directors
- Washington State Dept. of Transportation: traffic operations, tribal liaison, design engineer
- Bureau of Indian Affairs: engineering
- NW Tribal Technical Assistance Program: engineering
- Pacific County: Public Works (did not participate)
Evaluation Scope

- Eleven roadways & one pedestrian/bike path
- Tribe had specific questions/concerns
- Check for Safety and Design standards
Evaluation Scope

- Identified improvements regardless of cost
- Team considered wide range of solutions
- Prioritized Tasks and projects
Evaluation Process

- Group gathering to discuss the evaluation process, what we were going to do, what we hope to accomplish
- Background information distributed
- On-site review of all roadway areas
- Group gathered again for discussion of improvements and possible solutions
- Prioritization
- Planning level report generated and delivered to Shoalwater Bay Tribe.
Roadway Safety Concerns

- Pedestrian Safety
- Crosswalks, paths, sidewalks
- Speed Limit
- Signing
- Drainage
Pedestrian Safety
Pedestrian Walkways
Crosswalks
Casino Crosswalk
Speed Limits
Signing

- Are signs correct for situation?

- Is signing message clear and concise?

- Do signs meet standards?
Sign Installation Standards

- Review installations for safety standards
- Height of sign
- Sign post – is it breakaway?
Sight Distance
Curve Signing
Other Safety Issues
Drainage Concerns
Low Cost Projects

- Crosswalk installation for pedestrians between tribal center and community gym
- Request additional intersection lighting
- Add School Crosswalk Signing
- Relocate school bus stop structure for better sight distance
Low Cost Projects

- Brushing for improved sight distance on roadway and at intersections
- Relocate mailboxes away from x-walk end
- Patch shoulders at crosswalk ends
- Protect hazardous culvert ends
Low Cost Projects

- Restripe right turn pocket by Casino
- Request 25 mph speed limit be extended to include crosswalk
- Trim vegetation away from signs
Roadway Markings

- Install stop bars at road approaches
- Install guideposts at all intersections
- Paint island at intersection to direct traffic
Signing Projects

- Conduct a night time review for reflectivity
- Replace any worn out signs
- Conduct curve study to determine safe curve speeds
- Add curve sign and chevron signs where needed
Longer Term Projects

- Widen paved shoulder to accommodate pedestrians and bicyclists
- Install a culvert and cover the ditch to create shoulder
- Extend paved pedestrian path from casino parking lot to crosswalk to casino
- Install fencing or planting to channel peds to crosswalk
Longer Term Projects

- Install additional lighting at intersections
- Widen street to gym/emergency meeting location to accommodate pedestrians
- Improve the pedestrian flashing beacon at casino
Education

- Work in schools and other community settings to educate children and others to use the separated pedestrian path rather than narrow roadway shoulder.
Interested in a Road Safety Evaluation?

- Contact WSDOT Highways and Local Programs office to discuss
- Be prepared to obtain needed data
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