

MPC-454

April 1, 2014- July 31, 2017

Project Title: Regional Implementation of Tribal Transportation Safety Program

University:

University of Wyoming

Principle Investigators:

Khaled Ksaibati, Ph.D., P.E.

Wyoming T²/LTAP Center

University of Wyoming

1000 E. University Avenue, Dept. 3295

Laramie, WY 82071

Phone: (307) 766-6230

Email: khaled@uwyo.edu

Type of Event: Technology transfer and implementation of methodology to improve roadway safety on Indian reservations in the Mountain Plains region.

Description: The activities that will be taking place include the following:

- Meet with Tribal transportation leaders at various conferences.
 - Determine specific needs and concerns
 - Discuss crash reporting and data collection
 - Discuss status of safety on the reservations
- Perform site visits of reservations to assist Tribes with the implementation of the methodology and development of a strategic highway safety plan.
 - Obtain crash data and background on their roadway safety
 - Meet with Tribal personnel to determine teams for field reviews
 - Assist with field reviews
 - Facilitate stakeholder meetings for strategic plan development
- Perform analysis of crash data
- Provide proposed countermeasures
- Provide cost estimates for low-cost safety improvements and applicable benefit-cost analysis
- Provide final report of findings

Need: Native Americans across the country have suffered greater fatal crash numbers than any other race or ethnic group. A comprehensive program for individual Tribes is necessary to address improving roadway safety on Tribal lands. A methodology for low-cost safety improvements and the development of strategic highway safety plans is critical to improving safety on reservation roadways. Livability has unique applications on individual reservations but common themes include roadway safety as a quality of life issue as well as improved transportation options.

Program Description: This program will be a one year on-going effort to implement a comprehensive roadway safety program on reservations throughout the Mountain Plains region. The five-step methodology implemented on the Wind River Indian reservation will be applied on other reservations. Assistance will be given to these Tribes to develop a strategic highway safety plan. In coordination of this, livability issues can be better defined and projects identified that meet the need of the individual Tribes.

Co-Sponsors and Collaborators:

- Wyoming Technology Transfer, Local Technical Assistance Program (WYT²/LTAP) at the University of Wyoming will lead this project. Contact: Khaled Ksaibati, Ph.D., P.E.; Director WYT²/LTAP; (307) 766-6230; Khaled@uwyo.edu
- North Dakota State University is the co-sponsor of this project.
- Northern Plains Tribal Technical Assistance Program (NPTTAP) will work in cooperation to provide the locations best suited for the implementation of the program. Contact: Dennis Trusty; Director NPTTAP; (701) 255-3285 ext. 1262; dtrusty@uttc.edu

Outcomes: The expected outcome is for Tribes to submit low-cost safety improvement projects for funding to the respective states and Federal government. Strategic highway safety plans will be development and ready for full acceptance and approval by the stakeholders for each of these Tribes.

Resources Requested:

MPC funding requested: \$69,389
Matching from Wyoming LTAP and UW: \$69,445
Total: \$138, 833