



NEVADA DEPARTMENT OF TRANSPORTATION RESEARCH DIVISION

RESEARCH AND REPORT ON STRATEGIC INTEGRATION OF WILDLIFE MITIGATION INTO TRANSPORTATION PROCEDURES TRANSPORTATION POOLED FUND STUDY TPF-5-358

Key · Points

Project Number:
700-18-803

Start Date:
December 13, 2018

Duration:
36 months

Project Cost:
\$146,000.00

Researcher:
Patricia C. Cramer

Principal Investigator:
Dr. Patricia Cramer

NDOT Champion:
Nova Simpson
Environmental

PROBLEM

Wildlife-vehicle collision (WVC) reduction measures are dependent on transportation agencies incorporating wildlife mitigation into future projects, as standalone projects, and in the daily operations and maintenance processes that are needed to care for the mitigation over time. There are no national or state standard methods to ensure wildlife concerns are brought into transportation agency procedures and processes. Administrators, engineers and planners struggle to understand what types of structures and fences work, and how they can incorporate concerns for wildlife into regular transportation practice.

OBJECTIVE

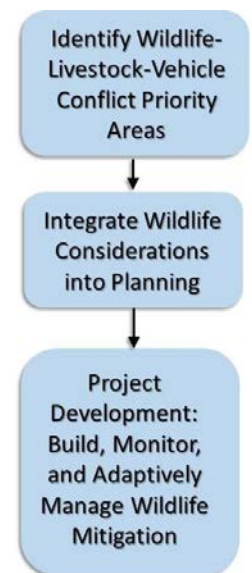
Investigate and makes recommendations on successful procedures that consider and create mitigation solutions to reduce WVC and provide connectivity for wildlife to assist transportation agencies in developing standards at every level. Synthesize results to create U.S. and Canadian standards for including wildlife concerns in transportation.

METHODOLOGY

Investigate transportation procedures to identify and describe how transportation agencies currently integrate wildlife mitigation. Based upon these results, a manual will be developed to integrate wildlife mitigation into transportation planning, which will include recommendations on how to integrate wildlife mitigation into various transportation processes such as planning, project development, infrastructure design, construction, monitoring, and related processes. A communication plan will be developed to provide talking points and slide shows that can be used by DOTs and Ministries of Transportations to gain support for implementing recommendations.

IMPLEMENTATION POTENTIAL

Identify and list current support in the most recent highway funding authorization to provide guidance and suggestions on how to use it to implement crossing structures into the planning process. Identification and recommendations will be in place to continue to request this type of mitigation be included in future highway bills. Demonstrate to transportation agency personnel that preventing WVC and allowing wildlife movement are now part of standard operating procedure.



Contact Information:

Nevada Department of Transportation – Research Division
Annex 14-15
1263 South Stewart Street
Carson City, NV 89712
(775) 888-7895
www.nevadadot.com