

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Nevada Department of Transportation

INSTRUCTIONS:

Project Managers and/or research project investigators should complete a quarterly progress report for each calendar quarter during which the projects are active. Please provide a project schedule status of the research activities tied to each task that is defined in the proposal; a percentage completion of each task; a concise discussion (2 or 3 sentences) of the current status, including accomplishments and problems encountered, if any. List all tasks, even if no work was done during this period.

Transportation Pooled Fund Program Project # <i>(i.e., SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX))</i> TPF-5(358)	Transportation Pooled Fund Program - Report Period: <input checked="" type="checkbox"/> Quarter 1 (January 1 – March 31) 2019 <input type="checkbox"/> Quarter 2 (April 1 – June 30) <input type="checkbox"/> Quarter 3 (July 1 – September 30) <input type="checkbox"/> Quarter 4 (October 1 – December 31)	
Project Title: <i>The Wildlife Vehicle Collision (WVC) Reduction and Habitat Connectivity Transportation Pooled-Fund Project Strategic Integration of Wildlife Mitigation into Transportation Procedures</i>		
Name of Project Manager(s): Nova Simpson for Nevada DOT Patricia Cramer, PI	Phone Number: Nova Simpson: 775-888-7035 Patricia Cramer: 435-764-1995	E-Mail nsimpson@dot.nv.gov cramerwildlife@gmail.com
Lead Agency Project ID: Nevada Dept. of Transportation	Other Project ID (i.e., contract #): Agreement #: P700-18-803	Project Start Date: 12/13/2018
Original Project End Date: 12/31/2021	Current Project End Date: 12/31/2021	Number of Extensions: 0

Project schedule status:

On schedule
 On revised schedule
 Ahead of schedule
 Behind schedule

Overall Project Statistics:

Total Project Budget	Total Cost to Date for Project	Percentage of Work Completed to Date
\$146,000.00	0	1%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
0	0	8.3%

Project Description:

The *Wildlife Vehicle Collision (WVC) Reduction and Habitat Connectivity* pooled fund study is a collaborative research project through the Transportation Pooled Fund Program. Partners from both the United States and Canada have come together with a common interest in reducing WVC's for the safety of humans and wildlife, as well as restoring habitat connectivity in landscapes fragmented by roadways. Contributing partners currently include Alaska DOT, Arizona DOT, California DOT, Iowa DOT, Minnesota DOT, Nevada DOT, Ontario Ministry of Transportation, Oregon DOT, and Washington DOT.

This pooled fund study (PFS) will seek to identify solutions that integrate highway safety and mobility with wildlife conservation and habitat connectivity. The Project: Strategic Integration of Wildlife Mitigation into Transportation Procedures is conducted under Principal Investigator Patricia Cramer and is reported on in this progress report.

Within U.S. states and Canadian provinces, there are few standardized planning processes for considering wildlife in transportation planning, or Best Management Practices (BMP) manuals to instruct personnel at every level how to consider, plan, design, construct, and maintain transportation infrastructure that permits connectivity for wild and domestic animals that could become involved in WVC. This study investigates 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.

Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):

Sub-contracts have been sent out to members of the research team

Several sub-contracts have been signed, others are still in negotiation

Dr. Cramer contacted western state partners of the study and other western states, for a total of 15 states, to obtain data on wildlife-vehicle crashes and total crashes over the past 5 years, crash costs used by that DOT's traffic safety engineer, to come up with each state's cost of reported wildlife-vehicle crashes, and a western state overall crash cost.

This will serve as the base of a nation-wide and Canadian-wide survey and reporting of crash costs.

The information was presented on January 29, 2019 at the Ungulates and Highways workshop sponsored by the Theodore Roosevelt Conservation Partnership, in Salt Lake City. The gathering included invited representatives of the 17 western states, both the Dept.'s of Transportation and wildlife agencies. The information generated from these actions can be used as a base to convince transportation agencies to plan, mitigate, and manage for wildlife movements beneath and above roads.

Anticipated work next quarter:

All sub-contracts will be executed

Task 1 will begin and be conducted, with a U.S. and Canadian survey of transportation and wildlife professionals, a literature search, and phone calls to select state representatives who can share experiences and knowledge that would be used to inform Task 2, the recommendations manual.

Significant Results:

The statistics on total crashes, WVC reported crashes, and their costs are displayed in figure below for each state, and overall for the 15 western states polled, in the second figure.

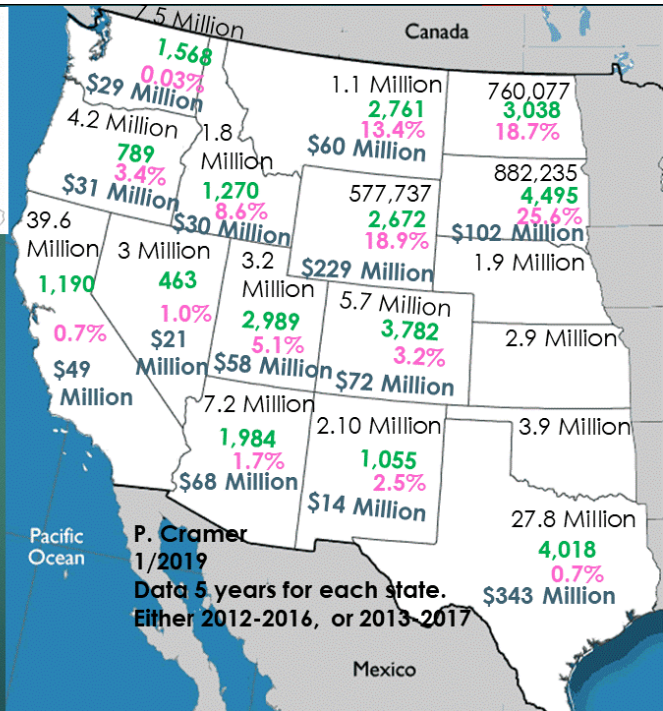
Human Population Estimate 2018 US Census Bureau



Annual Average Reported Wildlife-Vehicle Collision Crashes

Percentage of All Crashes That Involve Wild Animals

DOT Specific Crash Cost Values



Annual Average of Reported Wildlife-Vehicle Crashes for These States = **33,571**

The Annual Average Cost of these WVC Crashes for These States, Using Each DOT's Crash Values = **\$1.165 Billion**

Circumstance affecting project or budget. (Please describe any challenges encountered or anticipated that might affect the completion of the project within the time, scope and fiscal constraints set forth in the agreement, along with recommended solutions to those problems).

The budget is very constrained for the tasks in this work. The team will strive to complete all deliverables within the budget and time frame set forth in the contract.

Potential Implementation:

The information generated from this work will be available for U.S. DOT's and Canadian MoT's for assistance in incorporating wildlife concerns into transportation processes. It may also be used in the development of the forthcoming U.S. Transportation Act.

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Transportation Pooled Fund Program Project # <i>Wildlife Vehicle Collision (WVC) Reduction and Habitat Connectivity</i> Task 1 – Cost Effective Solutions Transportation Pooled-Fund Project TPF-5(358)		Transportation Pooled Fund Program - Report Period: <input checked="" type="checkbox"/> Quarter 1 (January 1 – March 31) 2019 <input type="checkbox"/> Quarter 2 (April 1 – June 30) <input type="checkbox"/> Quarter 3 (July 1 – September 30) <input type="checkbox"/> Quarter 4 (October 1 – December 31)	
Project Title: WVC Reduction & Habitat Connectivity NVDOT			
Name of Project Manager(s): Dr. Marcel Huijser	Phone Number: 406-543-2377	E-Mail mhuijser@montana.edu	
Lead Agency Project ID: 4W7576	Other Project ID (i.e., contract #): 4W7576	Project Start Date: 18 Dec 2018	
Original Project End Date: 30 Sep 2022	Current Project End Date: 30 Sep 2022	Number of Extensions: 0	

Project schedule status:

- On schedule
 On revised schedule
 Ahead of schedule
 Behind schedule

Overall Project Statistics:

Total Project Budget	Total Cost to Date for Project	Percentage of Work Completed to Date
354,001.00	8,066.71	6%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
\$8,066.71 2.2%	\$8,066.71	6%

Project Description:

Kick off meeting 6 Feb 2019
Hired technicians for literature review
Set up subcontracts for literature review and economic analyses

Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):

Kickoff meeting 6 Feb 2019
See above

Anticipated work next quarter:

Literature review
Economic analyses
Meeting with funders

Significant Results:

None

Circumstance affecting project or budget. (Please describe any challenges encountered or anticipated that might affect the completion of the project within the time, scope and fiscal constraints set forth in the agreement, along with recommended solutions to those problems).

None

Potential Implementation:

None