

2016 UDOT RESEARCH PROBLEM STATEMENT

*** Problem statement deadline is March 14, 2016. Submit statements to Tom Hales at tahales@utah.gov. ***

Title: Decreasing road fatalities by using flashlight signs in specific areas

No. (office use): 16.03.14

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UDOT Champion (suggested):

Select One Subject Area

Materials/Pavements

Maintenance

Traffic Mgmt/Safety

Preconstruction

Planning

Public Transportation

1. Describe the problem to be addressed.

Road fatalities number is increasing in recent two years.

2. Explain why this research is important.

The proposed research will help to decrease the road fatality number.

3. List the research objective(s):

1. Map specific areas for road crash and install new flashlight signs.

4. List the major tasks:

1. Map crash areas on Utah local and state roads.
2. Design new flash light signs
3. Monitor the crash numbers.

5. List the expected results:

1. Utah road crash areas will be mapped and some new designed flash light signs will be installed and monitored.

6. Describe how this research will be implemented.

We will work with UDOT to map crash areas and flash light design as well as monitoring those areas.

7. Requested from UDOT: \$45,000
(or UTA for Public Transportation)

Other/Matching Funds: \$

Total Cost: \$45,000

8. Outline the proposed schedule, including start and major event dates.

Month 1-3: Mapping Utah road crash areas.

Month 2: Design new flash light signs

Month 3-11: Install the signs and automatic monitor those areas.

Month 12: write a report