



Arizona Department of Transportation

Office of the Director

206 South Seventeenth Avenue Phoenix, Arizona 85007-3213

Janet Napolitano
Governor

Victor M. Mendez
Director

David P. Jankofsky
Deputy Director

March 29, 2006

Ms. Patricia Arteaga
Governor's Office of Highway Safety
Transmitted via email to: parteaga@azgohs.gov

Re: Governor's Office of Highway Safety, FY 2007 Highway Safety Funding Proposal

Dear Ms. Arteaga:

The Arizona Department of Transportation (ADOT) Bicycle and Pedestrian Program has been working diligently since 2002 on the development and implementation of the Statewide Bicycle and Pedestrian Plan. Information on the ADOT Bicycle and Pedestrian Plan and Program can be viewed at www.azbikeped.org. Phase I and Phase II are complete. ADOT is currently working on the third phase of the Plan, which includes an Education component that focuses on the 3 E's: Engineering, Education, and Enforcement.

In continued support of the ADOT Bicycle and Pedestrian Program and Plan, ADOT is pleased to submit three funding proposals to the Governor's Office of Highway Safety for a Fiscal Year 2007 Reimbursable Grant. The three proposals are:

- Bicycle & Pedestrian Engineering Design: Conduct a series of Bicycle and Pedestrian Facility Design Workshops throughout the state for local, county, tribal land and state engineers and planners so that they are better able to design safe facilities.
- Bicycle & Pedestrian Public Safety Education: Develop a public education campaign to increase the safety awareness of motorists, pedestrians, and bicyclists on Arizona roadways.
- Bicycle, Pedestrian, & Motorist Enforcement: Develop training materials and curriculum to increase awareness among police officers of bicycle and pedestrian safety laws, regulations, and practices so that they are better able to enforce them.



2001 Award Recipient

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As you are aware, cyclists have the very same rights, *and responsibilities*, as motorists. The use of Education, Enforcement and Engineering to provide an increased understanding by cyclists, pedestrians, motorists and public safety of these rights and responsibilities will result in improved safety of all users of Arizona's highways including those in local jurisdictions, on state highways, and on Tribal Lands.

We appreciate your consideration of these proposals.

Sincerely,



Victor M. Mendez

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B. AGENCY COVER LETTER

(A transmittal letter from Mr. Victor Mendez, Director, ADOT, is transmitted separately.)

C. PROJECT PROPOSAL OUTLINE NARRATIVE

1. BACKGROUND / PROBLEM

a) **General Characteristics:** The applicant agency, the Arizona Department of Transportation, Transportation Planning Division, supports and manages the Arizona Bicycle and Pedestrian Program. The purpose of the Arizona Bicycle and Pedestrian program is to plan, develop, and support implementation of facilities and programs that serve the mobility needs and improve the accessibility and safety of bicyclists and pedestrians on Arizona roadways.

b) **Streets and Highways:** ADOT is responsible for the maintenance and operation of over 6,800 miles of state highway throughout Arizona. However, influence of the ADOT Bicycle and Pedestrian Program expands beyond the state-owned highways. Programs implemented by the ADOT Bicycle and Pedestrian Program serve cyclists on all Arizona roadways, including local city and county owned roads. In total, there are more than 60,000 miles of roadways in Arizona.

c) **Problem or Deficiency:** The awareness of behavior that improves the safety of bicyclists and pedestrians needs to be better understood by bicyclists, pedestrians, motorists and police officers. Many cyclists and pedestrians are unfamiliar with the "rules of the road" and often place themselves in dangerous situations. Examples include cyclists who ride on the wrong side of the road, or who run stop signs and red lights. Enforcement of existing bicycle and pedestrian laws and regulations is important to reducing the number of cyclists and pedestrians fatalities and injuries on Arizona roadways. Continued education and training of public safety officers is critical, so in turn they can enforce existing laws and regulations. Areas to target enforcement at bicyclists include:

- Driving at night without lights or required reflectors.
- Riding the wrong way in a traffic lane or on the wrong side of the road.
- Running a stop sign or yield sign.

Equally important, it is typical to see motorists driving on Arizona roadways in a manner that is especially unsafe to bicyclists and pedestrians. Areas to focus enforcement at the motorist include:

- Failing to yield the right of way to a pedestrian or cyclist when turning at intersections or driveways, entering a roadway, changing lanes, or to pedestrians in or entering cross walks.
- Overtaking bicycles in areas where it cannot be done safely (not giving bicyclists the required three-foot separation).

Arizona Facts

Climate - The topography of the State of Arizona ranges from low-lying deserts in the south to high-elevation mountain peaks in the north. The weather and climate are as varied, with temperatures exceeding 100 degrees during the summer time in the desert valleys, and falling into the single digits and below in the high-altitude deserts and mountains of the north.

Population - The estimated population of Arizona in July 2005 was 6,044,985. The population increased nearly 40% between 1990 and 2000.

Demographics - The people of Arizona are as diverse as the topography and climate. Over ¼ of the population is of Hispanic origin. Nearly 13% of the population is age 65 or over, higher than the national average of 12.4%.

Training and education of public safety and enforcement officers is needed to raise their awareness of cyclist and pedestrian laws and regulations. Officers who complete the curriculum will be better prepared to informally educate cyclists and pedestrians as part of their routine patrol and enforcement activities. Public safety officers assigned to bike patrol are particularly suited to enforce laws and regulations that pertain to bicyclists and pedestrians. The safety awareness materials could include specific suggestions and guidelines for bike patrol officers.

Is the Proposal Enforcement Related: No, although this proposal, which is focused on training and education, is anticipated to increase enforcement awareness of bicycle and pedestrian laws statewide.

2. ATTEMPTS TO SOLVE PROBLEM

There have been no specific efforts to focus attention on this type of training. A study of all traffic-related Arizona Revised Statutes is included in law enforcement training. The current class roster of the Arizona Peace Officers Standards and Training Board does not include specific training on this subject.

3. PROJECT OBJECTIVES

Historically, the emphasis of bicycle and pedestrian programs has been on providing facilities. As communities, agencies, and programs gained experience, they began to realize that they couldn't solve all bicycle and pedestrian issues simply by constructing facilities. For example, some safety problems are more easily solved through multi-faceted programs than through facilities. As a result, the concept of the "3-E" program emerged, combining the elements of *Engineering, Education, and Enforcement*. The objective of the Public Safety/Law Enforcement Bicycle and Pedestrian Safety Awareness Training Curriculum is to Educate the public through Enforcement. The approach will be to:

- Work with the Arizona Peace Officers Standards and Training Board (AZ POST) to develop training materials and determine the format for the materials (e.g. DVD to mail, PowerPoint slide presentation, handout booklet).
- Develop Bicycle and Pedestrian safety awareness training materials within an eight-month time period.
- Review these materials with the AZ Post and determine how they can be incorporated into on-going or new training programs within a six-month period, including as a course to satisfy continuing education requirements.

4. METHOD OF PROCEDURE

The methods used to solve the problem and meet the project objectives include:

- a. Meet with Arizona Peace Officers Standards and Training Board to discuss how the development of training materials would be incorporated into the existing AZ POST training curriculum; the format of the courses; and whether the course would be a stand-alone course or incorporated as a module of a longer class.
- b. Consultant will prepare a detailed outline of course elements and description of examples to be used in the training materials. This will be reviewed by the ADOT Project Manager, and refined.
- c. Review the detailed outline with the Arizona Peace Officers Standards and Training Board with representatives of the Pima Association of Government and the Maricopa Association of Government and revise the outline, if necessary.
- d. Prepare draft training course materials, using the detailed outline as a basis for the training materials.

- e. Review the draft training course materials with ADOT, the AZ Post, and possibly MPO representatives.
- f. Revise the draft course materials as necessary.
- g. Submit the final course materials. It is anticipated both hard copy and an electronic version of the course materials will be prepared.

The total time required to complete the project is estimated to be eight months. This estimate is based on:

- Two months to initially coordinate and prepare an initial and final detailed outline of the material.
- Six months to prepare the draft training materials, receive comments on the draft, and prepare a revised final submittal.

5. BUDGET

Agency: Arizona Department of Transportation, Transportation Planning Division

BUDGET

| | | | |
|------------------------------|-------------------------------------|--------|-----------------|
| I. | Personnel Services | | \$0.00 |
| II. | Employee Related Expenses | | \$0.00 |
| III. | Professional and Outside Services | 27,000 | 27,000 |
| IV. | Travel In-State | | 500 |
| | Mileage expense | 500 | |
| V. | Travel Out-of-State | | \$0.00 |
| VI. | Materials and Supplies | | 2,000 |
| | Miscellaneous Educational Materials | 2,000 | |
| VII. | Other Expenses | | \$0.00 |
| VIII. | Capital Outlay | | \$0.00 |
| TOTAL ESTIMATED COSTS | | | \$29,500 |

6. PROFESSIONAL AND TECHNICAL PERSONNEL

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