

QUARTER 2 2007

ANIMAL VEHICLE CRASH MITIGATION USING ADVANCED TECHNOLOGY

PHASE II

SPR 3(076) & Misc. Contract & Agreement No. 17,363

for

Oregon Department of Transportation
Research Unit
200 Hawthorne SE, Suite B-240
Salem OR 97310

and

Federal Highway Administration
400 Seventh Street SW
Washington, DC 20590

and

Departments of Transportation of California, Indiana, Iowa, Kansas, Maryland, Montana, Nevada, New Hampshire, New York, North Dakota, Pennsylvania, Wisconsin, and Wyoming

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Monthly report Animal-vehicle pooled fund study

April

2007

Task 1: Site survey 100%

Task 2: Modifications to system 90%

STS further developed soft- and hardware for remote access through satellite. Delays are the result of:

- a. The one remaining master board that is used for testing failed because of previous corrosion damage and had to be rebuild. This board was salvaged from the field earlier.
- b. There were software problems with the integration with Orbcom.

Task 3: Confirmation of system modifications 30%

Task 4: System reliability 0%

Marcel was at the site 25 April. A bull elk approached the road and activated the system. The elk ended up not crossing the road.

Marcel met with a passenger who was in a car when the car approached the section with the animal detection system. The lights were activated and the driver slowed down. The driver was able to stop in time before colliding with a bull elk on the road. This experience was published in the newsletter of American Wildlands (see attachment).

Task 5: System effectiveness 5%

WTI tested different marking lights to aid with speed measurements in the dark. WTI conducted speed measurements on Wed 4 Apr.

Task 6: System acceptance 0%

Task 7: Information to project partners 50% (month 16 out of 32)

Task 8: System removal 0%

Marcel Huijser

Monthly report Animal-vehicle pooled fund study

May

2007

General

Task 1: Site survey 100%

Task 2: Modifications to system 90%

STS further developed soft- and hardware for remote access through satellite.

Task 3: Confirmation of system modifications 30%

Task 4: System reliability 0%

Task 5: System effectiveness 5%

Task 6: System acceptance 0%

Task 7: Information to project partners 53% (month 17 out of 32)

Task 8: System removal 0%

Marcel Huijser

Monthly report Animal-vehicle pooled fund study

June

2007

General

Task 1: Site survey 100%

Task 2: Modifications to system 90%

STS further developed soft- and hardware for remote access through satellite.
STS plans for a site visit in July

Task 3: Confirmation of system modifications 30%

Task 4: System reliability 0%

Task 5: System effectiveness 15%

WTI developed a draft research plan for the speed study.
YNP is reviewing the speed study plan.

Task 6: System acceptance 10%

WTI developed a draft survey for the traveling public.

Task 7: Information to project partners 56% (month 18 out of 32)

Task 8: System removal 0%

Marcel Huijser