

**QUARTER 1 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***

### ***January***

#### ***2007***

##### General

1. WTI applied for a new research permit with YNP in December 2006 and a new research permit was received.

**Task 1: Site survey            100%**

**Task 2: Modifications to system            90%**

1. STS further developed soft- and hardware for remote access through satellite.
2. The black on yellow warning signs were plugged in on 18 January 2007, making the system fully operational for the drivers.
3. Satellite access is still under development (this is the last component of system modifications).
4. STS provided procedures to MDT to initiate the master station and exchange the memory card.
5. MDT noted that snow can accumulate on LED warning lights, despite the overhang. WTI is aware of this problem under certain circumstances (see picture 8.9 in the phase 1 report), but WTI does not have a solution for this either. This is a problem for other applications that use this type of warning signal as well.

**Task 3: Confirmation of system modifications            30%**

**Task 4: System reliability 0%**

**Task 5: System effectiveness 0%**

**Task 6: System acceptance 0%**

**Task 7: Information to project partners            41% (month 13 out of 32)**

Marcel contacted carol Tan at TRB about the patent situation. Marcel will provide the required background info to Carol.

**Task 8: System removal 0%**

Marcel Huijser

## ***Monthly report Animal-vehicle pooled fund study***

***February***

***2007***

General

2. WTI received a new research permit from YNP.

**Task 1: Site survey            100%**

**Task 2: Modifications to system            90%**

6. STS further developed soft- and hardware for remote access through satellite.
7. STS provided further training to MDT on how to download detection data from the system. The connector cable used by MDT did not have all of the required pins. A new cable solved the problem.
8. On Sun 11 Feb the Park notified MDT and WTI that the lights were flashing continuously. This problem was solved quickly by MDT on Mon 12 Feb. It was the result of a human error in the re-initiation procedure for the system.
9. The logging of the detection data started 12 Feb 2007.

**Task 3: Confirmation of system modifications            30%**

**Task 4: System reliability 0%**

**Task 5: System effectiveness 0%**

**Task 6: System acceptance 0%**

**Task 7: Information to project partners            44% (month 14 out of 32)**

**Task 8: System removal 0%**

Marcel Huijser

## ***Monthly report Animal-vehicle pooled fund study***

***March***

***2007***

General

**Task 1: Site survey            100%**

**Task 2: Modifications to system            90%**

10. 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%**

WTI tested speed data collection methods on 21 March.

**Task 6: System acceptance            0%**

**Task 7: Information to project partners            47% (month 15 out of 32)**

**Task 8: System removal 0%**

Marcel Huijser