



OREGON DEPARTMENT OF TRANSPORTATION

Research Section
555 13th Street NE
Salem, OR 97301

SPR Quarterly Progress Report
October 1, 2016 through December 31, 2016

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Date December 21, 2016

TO: Technical Advisory Committee Members:
Zahidul Siddique, Highway Safety Engineer
Robin Ness, Crash Data Analysis
Dennis Mitchell, ODOT Region 1 Traffic Engineer
Brian Dunn, ODOT Transportation Planning Analysis Unit Manager
Galen McGill, ODOT ITS Manager
Nick Fortey, FHWA Region 1

1. Project

Title: Safety Assessment of Freeway Active Traffic Management by Exploring the Relationship between Safety, Congestion and Weather
SPR # 793

2. Project Investigator

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3. Project Coordinator

Name: Tony Knudson, Research Coordinator
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4. Key Dates

Project start date:11/1/2015
Project completion date: 11/1/2017

First Fiscal Year: [year]
Final Fiscal Year: [year]
[List revised dates and corresponding amendment numbers]

5. Project Status

Task 1: TAC Meeting #1 10/1/2015

Percent completed reported in last quarterly report: 100%

Task 2: Draft Literature Review – 7/1/16

Percent completed reported in last quarterly report: 100%

Task 3: Data Collection - 2/1/17

Percent completed reported in last quarterly report: 70%

Percent completed after this quarter: 85%

Key Progress-To-Date

- Collected crash data used for ODOOT OR-217 evaluation report
- Collected real-time traffic data
- Collected real-time accident data and weather data
- Collected HERE speed data
- Collected vehicle-crash data from ODOT

Specific Progress This Quarter

- Clean data, link traffic data with accident data, and compile data for analysis

Problems

-

Work Planned for Next Quarter

- Collect additional data in the future if necessary

Task 4: Draft Research Methodology. 2/1/17

Percent completed reported in last quarterly report: 30%

Percent completed after this quarter: 40%

Key Progress-To-Date

- Designed methodologies of analysis for this project

Specific Progress This Quarter

- Continue to implement the methods

Problems

-

Work Planned for Next Quarter

- Do preliminary analysis with data

Task 5: TAC Meeting #2 – 2/15/17

Percent completed reported in last quarterly report: 0%

Percent completed after this quarter:

Key Progress-To-Date

-

Specific Progress This Quarter

-

Problems

-

Work Planned for Next Quarter

- Planning a TAC meeting

Task 6: Data Analysis – 11/1/17

Percent completed reported in last quarterly report: 0%

Percent completed after this quarter:

Key Progress-To-Date

-

Specific Progress This Quarter

-

Problems

-

Work Planned for Next Quarter

-

Task 7: ATMS Real-Time Safety Assessment – 11/1/17

Percent completed reported in last quarterly report: 0%

Percent completed after this quarter:

Key Progress-To-Date

-

Specific Progress This Quarter

-

Problems

-

Work Planned for Next Quarter

-

Task 8: TAC Meeting #3 - 11/15/17

Percent completed reported in last quarterly report: 0%

Percent completed after this quarter:

Key Progress-To-Date

-

Specific Progress This Quarter

-

Problems

-

Work Planned for Next Quarter

-

Task 9: Draft Final Report – 1/1/18

Percent completed reported in last quarterly report: 0%

Percent completed after this quarter:

Key Progress-To-Date

-

Specific Progress This Quarter

-

Problems

-

Work Planned for Next Quarter

-

Task 10: Draft ODOT Research Note – 1/15/18

Percent completed reported in last quarterly report: 0%

Percent completed after this quarter:

Key Progress-To-Date

-

Specific Progress This Quarter

-

Problems

-

Work Planned for Next Quarter

-

Task 11: TAC Meeting #4. – 2/1/18

Percent completed reported in last quarterly report: 0%

Percent completed after this quarter:

Key Progress-To-Date

-

Specific Progress This Quarter

-

Problems

-

Work Planned for Next Quarter

Task 12: Final Report - 4/1/18

Percent completed reported in last quarterly report: 0%

Percent completed after this quarter:

Key Progress-To-Date

-

Specific Progress This Quarter

-

Problems

-

Work Planned for Next Quarter

-

Task 13: Final Research Note - 4/15/18

Percent completed reported in last quarterly report: 0%

Percent completed after this quarter:

Key Progress-To-Date

-

Specific Progress This Quarter

-

Problems

-

Work Planned for Next Quarter

-

6. **Project Coordinator's Comments** (Completed by ODOT) Data collection is going well, and decent progress is being made towards developing a methodology. Need to schedule a TAC meeting in next month or so based on where we are at.

7. **Finances** (Completed by ODOT)

SPR Project Summary

VENDOR	FY'16	FY'17	FY'18	FY'19	TOTALS
ORIGINAL BUDGET					\$ -
WORK PLAN BUDGET					\$ -
REVISED BUDGET					\$ -
EXPENDITURES - VENDOR	\$ -	\$ -	\$ -	\$ -	\$ -
BALANCE	\$ -	\$ -	\$ -	\$ -	\$ -
ODOT	FY'16	FY'17	FY'18	FY'19	TOTALS
ORIGINAL BUDGET	\$ 70,000	\$ 100,000	\$ -	\$ -	\$ 170,000
REVISED BUDGET	\$ 30,000	\$ 70,000	\$ 50,000	\$ -	\$ 150,000
EXPENDITURES - ODOT	\$ 17,866	\$ 17,866	\$ -	\$ -	\$ 35,732
BALANCE	\$ 12,134	\$ 52,134	\$ 50,000	\$ -	\$ 114,268
PROJECT	FY'16	FY'17	FY'18	FY'19	TOTALS
ORIGINAL BUDGET	\$ 70,000	\$ 100,000	\$ -	\$ -	\$ 170,000
REVISED BUDGET	\$ 30,000	\$ 70,000	\$ 50,000	\$ -	\$ 150,000
EXPENDITURES - PROJECT	\$ 17,866	\$ 17,866	\$ -	\$ -	\$ 35,732
BALANCE	\$ 12,134	\$ 52,134	\$ 50,000	\$ -	\$ 114,268