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Amendment Number: 2008- 64
Reviewed by USDOT:
TPC Approved: 12/18/08
Public Comment began:
Public Comment complete:
MPC Approved/**Informed:** 1/08/09
Sent to ODOT/STIP Coord:
STIP Amendment #:

AMENDMENT
FY08-11 Metropolitan Transportation Improvement Program (MTIP)

DATE OF REQUEST: 12/5/2008 **BY AGENCY, PERSON:** ODOT, Galen McGill
ODOT KEY NUMBER: TBD **RTP NUMBER/POLICY:** ITS-ES-TM-17; Finance Policy #2
PROJECT NAME: Probe Data for Traveler Information
PROJECT SUMMARY: Collect real time data from private sector vehicle probes

ACTION REQUESTED:
 delete existing MTIP project/phase
 add new MTIP project/phase
 change existing MTIP project/phase

REASON FOR REQUEST:
Add new project to the MTIP -a successful project from the ODOT ITS Innovations Program. This project was endorsed by MPC at the time of application in July and was reviewed by MPC in November.

IS THIS REQUEST AN ADMINISTRATIVE AMENDMENT?
(Any amendment that impacts fiscal constraint or air quality conformity must be approved by MPC)
 Yes Add/Del project with no MPO fund decision No (requires MPC adoption)

FISCAL CONSTRAINT
Is this project federally funded? Yes No
Changes in funding sources: Federal: SPECIFY SOURCE:
State: SPECIFY SOURCE:
Local SPECIFY SOURCE:

AIR QUALITY – CONFORMITY:
Is the project in the AQMA? (see map <http://www.lcog.org/aqc/default.htm>) Yes No
If YES,
Is the project EXEMPT from Air Quality Conformity ? Yes No
If YES, specify exempt category (see Appendix A; e.g. Table 2-Safety-adding medians):
OAR-340-252-0270 - Table 2 - Other - Specific activities which do not involve or lead directly to construction - data collection
If NO,
Is this project regionally significant? (see Appendix A): Yes No
Does this amendment trigger a conformity determination? Yes No
Provide rationale for this declaration:

OTHER COMMENTS:
This project is included in the Regional ITS Operations and Implementation Plan for the Eugene-Springfield Metropolitan Area, Chapter 7: Deployment Plans - ES-TM-17, ES-TM-02 and ES-TM-03.

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CHECKLIST OF ATTACHMENTS:

- MTIP/STIP Amendment spreadsheet – for all deletion/addition/change actions
- MTIP Project Description Form (Form TIP-2) – for all new projects or significant changes

Part 1 – Section 1:

PROJECT SUMMARY

Project Name:

Probe Data for Traveler Information

Applicant and Project Partners:

Applicant:

Oregon Department of Transportation: Intelligent Transportation Systems
Doug Spencer (ITS Standards Engineer)
644 A St,
Springfield, OR 97477

Partners:

Lane Council of Governments (LCOG)
99 East Broadway, Suite 400
Eugene, Oregon 97401-3111

Lane Transit District (LTD)
3500 East 17th Avenue
P.O.Box 7070
Eugene, OR 97401-0470

These partners will be responsible for data consumption, dispatch and congestion management.

Project Location:

Eugene-Springfield Metro Area, Lane County; Non-construction.

Project Description:

Project Goal

The goal of the proposed project is to reduce congestion in Lane County by delivering better travel information, and in turn support better decision making by motorists and transit agency staff. The intent is that the use of this information will reduce congestion and delay on arterials and highways in Lane County.

Background

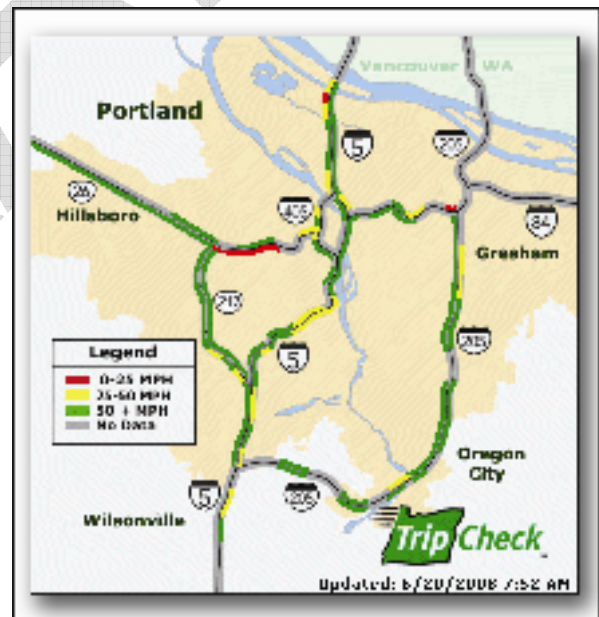
The population growth in Lane county from 2000-2006 has been steady with an increase of 4.6% over that time period. This growing population has increased congestion considerably, particularly on area surface streets and arterials. The Oregon Department of Administrative Services projects that there will be over 400,000 residents in Lane County by 2025. With this growth comes the threat of decreased air quality and a decline in the community's quality of life. In 2007 The Eugene area saw 60 days with Moderate air quality and 10 days of Unhealthy air quality.

One strategy to combat traffic congestion is to provide motorists, commercial trucking and transit agencies with better information about traffic conditions on the streets and highways, and thus provide an opportunity to avoid trouble spots and choke points. It was found in a survey of users of the Oregon Department of Transportation's travel information Web site, TripCheck.com, which a majority of those users do change their travel plans based on the information provided on the Web site. (73-83%) the positive impact was higher with TripCheck's mobile Web site where 88% of users changed their plans based on information provided by the TripCheck Web site formatted for cell phones.

One constraint to better travel information, however, is the costs and availability of data collection equipment at the roadway. This detection equipment supplies the data to support information sources like the TripCheck Portland area SpeedMap, as well as travel time information that is shared with motorist via Variable Message Signs (VMS). The deployment of roadside detection equipment is also harder to justify in smaller and more rural communities because of the lower population density and the constraint in local funding for such projects.

Approach

What is unique with the project is the proposal to collect data about traffic speeds and congestion from the private sector. The proliferation of Geographic Positioning Systems (GPS) and sophisticated logistical system for freight carriers offers the opportunity to use location information from vehicles "probes" rather than from detection in the public sector infrastructure as source data regarding congestion.



The real time data from vehicles probes will be delivered from a private sector data aggregator to ODOT where it will be processed, formatted and redistributed to partner agencies and local jurisdictions. ODOT will also use the data on TripCheck.com, TripCheck Mobile, as well as on its traveler information phone system, 511. Future applications may include travel time information on VMS in Lane County.

MTIP/STIP AMENDMENT REQUEST FORM (Revised 5/24/06)

HFO USE ONLY:		MPO USE ONLY:	
STIP AMENDMENT NO.:	Fiscal Constraint Confirmed	OTIA Project?	2008-64
	Let Date (if known)	OTIA I & II Change Approval Date	
Project in MPO?		OTIA III Bridge Change Approval Date	
Air Quality Conformity Required?		OTIA III Modernization Change Approval Date	
STIP Page No./Amendment No.	Requested By		
	Date of Request		
Key No.	Region	Option Code	ACT
Project Name			Admin By
Work Type	Percent	Work Type 2	Applicant
Current Monitor Code	New Monitor Code	Work Type 3	Percent
Route No.	Hwy. Name	Hwy. No.	
Beginning MP	Ending MP	Proj. Length	
US Cong. District	Senate District	Representative District	County
Work Description			

REQUESTED ACTION: Add new project per October 2008 OTC. Statewide ITS project to purchase data. Project will not go through commissioned services.

CURRENT PROGRAM STATUS:

KEY NUMBER:	PROJECT NAME:															CARRY OVER?
WORK PHASE	YEAR	1st FUND TYPE	FEDERAL DOLLARS	TOTAL DOLLARS	2nd FUND TYPE	FEDERAL DOLLARS	TOTAL DOLLARS	3rd FUND TYPE	FEDERAL DOLLARS	TOTAL DOLLARS	4th FUND TYPE	FEDERAL DOLLARS	TOTAL DOLLARS	TOTAL FEDERAL	PROJECT TOTAL	
PLAN														\$0	\$0	
PRELIM ENG														\$0	\$0	
R/W														\$0	\$0	
UTIL RELOC														\$0	\$0	
CONST														\$0	\$0	
OTHER														\$0	\$0	
TOTAL			\$0	\$0		\$0	\$0		\$0	\$0		\$0	\$0	\$0	\$0	

AMENDED PROGRAM STATUS:

KEY NUMBER:	OBJECT NAME: Probe Data for Traveler Information (Eugene)															CARRY OVER?
WORK PHASE	YEAR	1st FUND TYPE	FEDERAL DOLLARS	TOTAL DOLLARS	2nd FUND TYPE	FEDERAL DOLLARS	TOTAL DOLLARS	3rd FUND TYPE	FEDERAL DOLLARS	TOTAL DOLLARS	4th FUND TYPE	FEDERAL DOLLARS	TOTAL DOLLARS	TOTAL FEDERAL	PROJECT TOTAL	
PLAN														\$0	\$0	
PRELIM ENG														\$0	\$0	
R/W														\$0	\$0	
UTIL RELOC														\$0	\$0	
CONST														\$0	\$0	
OTHER	2009	S010		\$615,000										\$0	\$615,000	
TOTAL			\$0	\$615,000		\$0	\$0		\$0	\$0		\$0	\$0	\$0	\$615,000	

FUNDS BEING TRANSFERRED FROM OTHER KEY NUMBER(S):

KEY NUMBER	WORK PHASE	YEAR	FUND TYPE	FEDERAL DOLLARS	TOTAL DOLLARS	WORK PHASE	YEAR	FUND TYPE	FEDERAL DOLLARS	TOTAL DOLLARS	WORK PHASE	YEAR	FUND TYPE	FEDERAL DOLLARS	TOTAL DOLLARS	CARRY OVER?

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