Transportation Operations Innovation & Demonstration Program
Project Selection Results

Approved Projects

Rank	Agency	Proposal Title	Cost	Total	Description
1	City of Portland	US 26 Adaptive Signal System	$1,639,677	$1,639,677	Adaptive signal control on Powell Blvd between Ross Island Br. And 52nd Ave. Integration of Transit Signal Priority with adaptive signal control. Development of arterial performance measure data.
2	ODOT ITS	Probe Data for Traveler Information	$670,000	$2,309,677	Three year contract for private sector travel time data for freeways and major arterials in Eugene/Springfield. Will enable travel time messages on VMS, TripCheck and 511. Will enable a congestion map for the Eugene area on TripCheck. Will also produce a very rich data set on freeway and arterial performance for performance measures, planning, and operations planning. Ongoing costs for data beyond year 3 are approximately $75,000/yr.
3	City of Corvallis	Corvallis ATMS	$505,500	$2,815,177	Implementation of a central signal system in downtown Corvallis for 8 intersections on Harrison Blvd and Van Buren Ave (includes portions of OR 34, US 20 and 99W). Proposal is focused on improved signal management to deal with downtown congestion and improved capability to implement special event timing plans. Proposal offers the opportunity to evaluate the value of signal operations improvements in a small city.
4	Lane County	Delta Highway ITS	$1,390,890	$4,206,067	Queue warning system on Delta Highway. Proposal is focused on rear end crash reduction caused by queue formation resulting from congestion at the Delta Highway and Beltline Interchange. Proposal is on a county facility but VMS installed in project will also be used for information about Beltline. Also a possible opportunity to use data from the probe data project above.
5	ODOT Region 1	Active Traffic and Incident Management	$1,730,000	$5,936,067	Proposal includes two sub projects. 1. Towing contracts to keep tow trucks on standby during peak periods in the I-5/I-405 corridor in Portland. 2. Implementation of speed harmonization and queue warning to reduce rear end crashes and smooth traffic flow on SB I-5 and I-405 near the merge.
6	ODOT Region 4	Oregon 9-1-1 CAD Interconnect	$652,750	$6,588,817	Implement capability to share incident information electronically between ODOT, OSP and nine 911 centers in Central Oregon. The 911 center in Deschutes Co. alone handled nearly 20,000 incidents on the state highway system in 2007. This project will substantially speed up and improve the efficiency of incident response particularly during the largest events when operations center staff are overwhelmed.
7	ODOT Region 1	99W Active Corridor Management	$586,000	$7,174,817	Project implements new 2070 controllers and Voyage software at 21 intersections on 99W in Tigard between I-5 and SW Durham Rd. The Voyage software has some traffic responsive features, so the project provides an opportunity to see how much benefic can be obtained from this low cost improvement compared to the more expensive adaptive signal control software.
8	Washington County	Tualatin Sherwood Road Adaptive Signal System	$480,000	$7,654,817	Implementation of adaptive signal control on Tualatin-Sherwood Rd. This is a Washington County facility but is a key connection between 99W and I-5. Project leverages $2.3 Million MTIP project to upgrade this corridor.
		Contingency funding	$345,183	$8,000,000	We would like to hold this funding pending final project scoping and detailed estimating. Any remaining funding after initiating these first 8 (or if any of these 8 drop out) would be used to fund one of the contingency projects below depending on funding amount and ability to scale the project.

Contingency Projects

Agency	Proposal Title	Cost	Total	Description
City of Portland	SmartTrips Portland	$762,500.00	$762,500.00	A targeted, individualized TDM marketing project connected to the opening of the Green line light rail in the I-205 corridor.
ODOT Region 4	Redmond Adaptive Signal Timing	$1,464,000.00	$2,226,500.00	Implementation of adapative signal timing on US97 in Redmond south of the Redmond Reroute project.
ODOT Region 1	Enhanced Event Response System (EERS)	$271,000.00	$2,497,500.00	Implementation of improvements to the incident respose capabilities in ODOT's Advanced Traffic Management System software. It would expand the capabilities of the software to automatically develop messages for VMS from the freeway system to arterials and would possibly be useful statewide. Primary benefit is improved speed in getting messages to drivers through VMS messages. Secondary benefit is simplified system administration for ODOT staff.
Lane Transit District	Transit Probe Data for Real-Time Traveler Information and Congestion Analysis	$860,000.00	$3,357,500.00	Use of the LTD bus fleet in Eugene as traffic probes to obtain data about arterial performance and use the information for improved traveler information and planning. Similar to Probe data project above.

Other Proposals Received

Agency	Proposal Title	Cost	Total	Description
City of Beaverton	Beaverton Downtown Regional Center Traffic Management System Arterial Signal System Upgrade	$1,727,200.00	$1,727,200.00	Adaptive signal control
ODOT Region 1	Ramp Metering and Truck Classification Upgrade	$1,060,000.00	$2,787,200.00	Ramp meter upgrades to gather improved traffic data and to improve adapative ramp metering operation
Washington County	Cornell Road Active Corridor Management	$860,000.00	$3,647,200.00	Improved arterial management tools on Cornell Road between 10th St. and Cornelius Pass Rd.
ODOT Region 4	US 97 and US 97 Business Incident Management Signal Timing	$281,000.00	$3,928,200.00	Arterial-Freeway integration type project. Development of incident timing plans to facilitate more efficient use of US 97 business as an alternate route to the Bend Parkway.
ODOT Region 1	US 26 Mt Hood Safety & Traveler Information	$632,400.00	$4,560,600.00	Weather based variable speed limits
City of Salem	Cordon Road I-5 Detour Route Management Enhancements	$1,960,000.00	$6,520,600.00	Improved capability for more quickly setting up and utilizing Cordon Rd as a detour for incidents in I-5
City of Gresham	Gresham Advanced Traveler Information System Project	$2,056,683.00	$8,577,283.00	Use of loop magnetic signatures or bluetooth MAC address as a way of measuring travel time on four corridors connecting US 26 and I-84. Providing this information to the public through signs and TripCheck.
ODOT Region 1	Portland Urban Area Integrated Corridor Management	$444,000.00	$9,021,283.00	Improved arterial management tools on SE Milwaukee Expressway (OR 224).
Lane Transit District	Implementation and Evaluation of Lateral Guidance and Speed Advisory for BRT	$495,000.00	$9,516,283.00	Implementation of steering and parking guidance systems and speed optimization software to improve the efficiency of BRT operation in Eugene. Not eligible for highway funds.
ODOT Region 1	Travel Time Information Improvement	$655,000.00	$10,171,283.00	Additional sensors on the Portland freeway system and improvements to software to improve ability to calculate and provide accurate travel times on freeways.
ODOT Region 2	ODOT Region 2: Model 170 to Model 2070L Signal Controller Replacements	$217,500.00	$10,388,783.00	Upgrade to 2070 controllers at various locations in Region 2
ODOT Region 4	Bend Adaptive Signal Control Pilot Project	$210,000.00	$10,598,783.00	Implementation of an alternative adaptive signal system to SCATS using an artificial intelligence approach.
Salem-Keizer Transit	Transit Operation Efficiency Improvement	$233,367.00	$10,832,150.00	Implementation of transit priority in Salem
ODOT Traffic Ops	Flashing Yellow Arrow Conversion Project	$581,250.00	$11,413,400.00	Conversion of various signals to utilize a flashing yellow arrow for left turns. Reduces delay for left turn movements.
City of Bend	Bend Rail Crossing Status Information System	$546,000.00	$11,959,400.00	Detect train movements and provide information about blocked crossings to emergency responders and to the public.
City of Portland	Portland-Area Mobile Phone - Traffic Alert System	$395,000.00	$12,354,400.00	Subscription service to provide customized incident information to the public to cell phones using SMS messaging.
City of Portland	Personalized Commute Portal for Oregon Using Innovative Wireless Technology	$1,789,000.00	$14,143,400.00	2 year pilot project to install GPS devices in vehicles of 500 volunteers to gather personal driving behavior and provide personalized recommendations to reduce travel time, fuel consumption, etc.…
City of Portland	I-205 Integrated Corridor Management	$1,358,278.00	$15,501,678.00	Development of 122nd Ave. as an additional alternate to 82nd Ave. for incidents on I-205.
Clackamas County	Clackamas County I-205/SE 82nd Incident Strategy Implementation	$995,000.00	$16,496,678.00	Development of an incident management plan for I-205 between Sunnybrook Blvd. and Johnson Ck. Blvd.
City of Salem	Highway 22 Salem Bridges Incident Management	$1,015,000.00	$17,511,678.00	Development of an incident management plan for the Highway 22 Bridges in Salem including traffic monitoring, cameras, portable VMS, and movable GM barrier.
Port of Portland	Improving Freight Mobility	$1,790,000.00	$19,301,678.00	Gathering private sector data from truck fleets to learn more about truck movements.