Oregon Department of Transportation



Highway Safety Improvement Program (HSIP)

Annual Report on the Progress of the Highway Safety Improvement and High Risk Rural Roads Programs for SFY 2009



TABLE OF CONTENTS

INTRODUCTION	1
HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP)	1
PROJECTS OBLIGATED IN SFY 2009	2
Applications Received	3
Projects Evaluated	3
HIGH RISK RURAL ROADS PROGRAM (HRRRP)	5
Oregon Process to Utilize HRRRP Funds	6

LIST OF TABLES

TABLE 1 HSIP PROJECTS OBLIGATED FOR CONSTRUCTION IN SFY 2008	3
TABLE 2 SUMMARY OF 5 HSIP PROJECT EVALUATIONS FROM APPENDIX A	4
TABLE 3 SUMMARY OF 20 OTHER SAFETY PROJECT EVALUATIONS	4

LIST OF APPENDICIES

Appendix A: Standard Reporting Form of Evaluation Data for Completed Safety Improvement Projects

Appendix B: High Risk Rural Roads Program Data

LIST OF ACRONYMS

- FHWA Federal Highway Administration
- HRRRP High Risk Rural Roads Program
- HSIP Highway Safety Improvement Program
- ODOT Oregon Department of Transportation
- PDO Property-damage-only crash
- SFY State Fiscal Year
- TRS Traffic-Roadway Section
- HSEC Highway Safety Engineering Committee
- TSD Transportation Safety Division
- STIP Statewide Transportation Improvement Program
- HEP Hazard Elimination Program
- SHSP Strategic Highway Safety Plan
- SAFE Safe, Accountable, Flexible, Efficient
- TEA-LU Transportation Equity Act: A Legacy for Users

INTRODUCTION

This report, required by Sections 152 and 148 of Title 23 of the United States Code, summarizes the progress made in implementing the Highway Safety Improvement Program (HSIP) in Oregon from July 1, 2008 to June 30, 2009, the state fiscal year (SFY 2009). Included are projects under the Highway Safety Improvement Program (HSIP) and the High Risk Rural Roads Program (HRRRP). Attached in Appendix A is the standard reporting form that contains evaluation data for HSIP completed projects and Appendix B provides additional High Risk Rural Roads Program data.

HIGHWAY SAFETY IMPROVEMENT PROGRAM

The Highway Safety Improvement Program (HSIP) is a federally funded program that mandates each state to conduct and systematically maintain an engineering survey of all public roads. The Traffic-Roadway Section (TRS) uses engineering tools such as the Safety Priority Index System (SPIS) to identify segments of state highways that have a higher crash history and may require safety improvements. SPIS is a method developed by ODOT for identifying potential safety problems on state highways. Citizen complaint submittals and routine inspections by Oregon Department of Transportation (ODOT) District and Region personnel indicate other possible safety concerns.

The purpose of the program is "to achieve a significant reduction in traffic fatalities and serious injuries on public roads". Section 148 of Chapter 23 of the United States Code (USC) outlines how state and local governments will spend federal dollars toward improving safety on public roads or any public transportation facility. Prior to Federal SAFETEA-LU legislation the HSIP program was commonly referred to as the Hazard Elimination Program (HEP), Section 152 of Chapter 23 of the USC. SAFETEA-LU redefined the HSIP and the requirements, but the two safety projects evaluated as described within this report were done under the provisions of the HEP.

The Traffic-Roadway Section has a new HSIP project guidelines (ODOT Safety Program Guide). TRS also has responsibility for annual reports of the programs progress and ODOT's Project Safety Management System (PSMS). The PSMS includes tools for identification and analysis of the safety problems.

Other responsibilities of the program include the Transportation Safety Division, responsible for the development of the Oregon's Strategic Highway Safety Plan (SHSP). The Region Traffic Offices have the responsibility of following the guidelines when selecting appropriate safety projects and identifying potential remedies to safety problem areas. ODOT's Highway Finance Office, is responsible for management of HSIP funds along with the Region STIP Coordinators.

The HSIP process begins when a State or local agency identifies a safety problem. Possible safety project locations are identified from a variety of sources including crash records, ODOT's Safety Priority Index System, local citizens, enforcement/emergency response personnel, and road maintenance crews. Next, the agency submits an application to ODOT's Region Traffic who reviews the safety project submittal and determines eligibility based on the "ODOT Highway Safety Program Guide". Before the Regions proposed safety projects can be added to the STIP, they must get approval from the State Traffic Engineers office that the selected safety projects follow ODOT's Highway Safety Program Guidelines. Final project selection and prioritization is at the discretion of the Region.

This section summarizes the number of projects under construction, the type of projects applications reviewed and the effectiveness of projects with sufficient crash data for comparison. For the purposes of this report, HSIP projects are classified into these general categories:

<u>Intersection Improvements</u>—channelization and turning lanes, new or upgraded traffic signals, red light running cameras, and illumination.

<u>Signing and Delineation</u>—traffic signs and pavement marking and/or delineation where these project activities are the predominant safety improvement.

<u>Roadway/Structure Improvements</u>—lane widening, lane additions, rumble strip installation, median strip installation, shoulder widening/improvement, roadway realignment, skid treatment, and safety-related bridge and other structural improvements.

<u>Roadside Improvements</u>—flattening slopes, the elimination of roadside obstacles (e.g. drainage structures), the installation of breakaway signs and utility poles, and the construction, for safety purposes, of sidewalks and bikeways.

<u>Safety Appurtenances</u>—upgrades to bridge approach guardrail and railings, guardrail and median barrier improvements, impact attenuators, and safety fencing.

<u>Traffic Calming Projects</u>—specific traffic calming projects including, but not limited to, curb extensions, lateral/horizontal shifts in the roadway, raised devices (e.g. speed humps), and diverters.

Safety Projects Obligated in SFY 2009

In SFY 2009, there were fifty-nine (59) safety projects totaling \$31.7 million which were obligated for construction using HSIP funds. The HSIP fund consists of all safety projects with an ODOT program code of Q280, H280, Q210, H210, LS30, LS20 or 33P0. This does **not** include projects funded by Section 164 penalty money (money transferred from the highway funds to Transportation Safety Division, then redirected for safety projects that comply with HSIP guidelines). The type of projects obligated or under construction are classified in Table 1 by general category of improvement.

Category	Number of Projects	Project Cost Estimates
Intersection Improvements	16	\$3,000,000
Signing and Delineation	7	\$4,100,000
Roadway/Structure Improvements	23	\$16,000,000
Roadway Improvements	4	\$1,100,000
Safety Appurtenances	9	\$7,500,000
Traffic Calming Projects	0	\$0
Total Projects	59	\$31,700,000

Table 1 HSIP Projects Obligated for Construction in SFY 2008

Note: These figures reflect changes to the existing safety projects in the STIP for SFY 2009

Applications Received/Reviewed

In SFY 2009 (July 1, 2008 to June 30, 2009) the Region Traffic Offices are required to get final approval from the State Traffic Engineers office that their selected safety projects follow ODOT's Highway Safety Program Guidelines before they are added to the STIP.

All highway safety projects, regardless of funding (state or federal) will now follow the same guidance for project eligibility as outlined in the ODOT Highway Safety Program Guide http://www.oregon.gov/ODOT/HWY/TRAFFIC-ROADWAY/highway_safety_program.shtml.

The proposed program year of the HSIP safety projects approved varies depending on the STIP cycle. The final selection of projects for construction is the responsibility of the Region Traffic Engineer and the Region Traffic Manager.

Projects Evaluated

A total of five (5) HSIP projects were completed between July 1, 2005 to June 30, 2006 and had 3 years of before and after crash data available for evaluation. Details for each project can be found in Appendix A. A similar number of before and after crash months were compared for each project. This simple evaluation only considered total crashes and did not examine target crashes (the crashes the project was designed to mitigate).

The evaluation indicates that there was a 8.6 decrease in injury crashes from the before to the after evaluation period. During the evaluation period, statewide fatal crashes increased by 5.9% and injury crashes increased by 1.2%. Although the evaluation indicates a 50% reduction in fatal crashes this may not be significant given the low number of fatal (2) crashes.

Using the overall reduction in crashes statewide as a surrogate for the variability of crashes, the projects at these locations appear to have had a measurable effect on safety. It should be noted that there was a change in minimum property-damage-only crash (PDO) reporting requirements in 1998 and again in 2003 so that comparison of PDO and total crash reductions is not valid.

It should also be noted that the severity of the injuries were also reduced in four of the five HSIP projects reviewed.

In Appendix A, an additional twenty (20) safety projects were also evaluated which were funded using other safety funds under different criteria. These safety project evaluations are shown for information only to assist in improving ODOT's data driven decision making process when developing future safety projects. In the future, all highway safety projects, regardless of funding (state or federal) will now follow the same guidance for project eligibility as outlined in the ODOT Highway Safety Program Guide.

Crash Type	Before	After	Reduction in Crashes	Percent Change	Percent Change Statewide (03- 2006)
Fatal	2	1	1	-50%	+5.9%
Injury	162	148	14	-8.6%	+ 1.2%
PDO	246	219	27	(1)	(1)
Total	410	368	42	(1)	(1)

Table 2 (Shaded in gray) Summary of 5 HSIP Project Evaluations

Table 3 Summary of 20 Other Safety Project Evaluations

Crash Type	Before	After	Reduction or Increase in Crashes	Percent Change	Percent Change Statewide (03- 2006)
Fatal	11	4	7	- 63.6%	+5.9%
Injury	471	451	20	- 4.3%	+ 1.2%
PDO	658	552	106	(1)	(1)
Total	1,140	1,007	133	(1)	(1)

Note (1): A change in the minimum reporting value for PDO crashes from \$500 to \$1,000 occurred in 1998 and in 2003, the minimum reporting value for PDO crashes changed again from \$1,000 to \$1,500.

HIGH RISK RURAL ROADS PROGRAM (HRRRP)

A. Overview

The High Risk Rural Road Program (HRRR) in SAFETEA-LU (called HR3 in Oregon) is a sub-program of the Highway Safety Improvement Program (HSIP), a federally-funded program managed by the Oregon Department of Transportation (ODOT). Approximately one million dollars of federal funding is available each federal fiscal year in Oregon for High Risk Rural Roads.

B. Mission of HR3

The mission of the HR3 is to carry out safety improvement projects on rural roads, with identified safety issues, to achieve a significant reduction in traffic fatalities and serious injuries.

C. Core Principles

0. The High Risk Rural Roads safety provision is dedicated exclusively to rural roads.

The HSIP includes a set-aside for construction and operational improvements to address safety problems and opportunities on High Risk Rural Roads. This setaside of \$90 million (nationally) each fiscal year for high risk rural roads is limited to roadways functionally classified as a rural major or minor collector or as a rural local road.

0. High Risk Rural Roads are identified as follows:

- . Roadways functionally classified as a rural major or minor collector or as a rural local road.
- . Roadways that have a crash rate for fatalities and incapacitating injuries exceeding the statewide average for those functional classes of roadways.
- . Roadways whereby future traffic volumes are projected to increase causing a projected increase in the crash rate for fatalities and incapacitating injuries exceeding the statewide average.

0. Acceptability of HR3 funding for project development.

As long as the project will ultimately involve a construction or operational improvement which is identified as part of a State's HSIP process, funds from the set-aside for high risk rural roads for preliminary engineering (including right of way, environmental approvals and final design) would be eligible for federal reimbursement.

II. OREGON PROCESS TO UTILIZE HR3 FUNDS

A. General

- **0.** HR3 is a 4 year \$1.1 million annual federally funded program designed_to carry out safety improvement projects on rural roads, with identified safety issues, to achieve a significant reduction in traffic fatalities and serious injuries.
- **0.** It is assumed that the HR3 program will continue in future federal authorizations.
- **0.** The goal of ODOT's HR3 program is to fund 5-10 projects/year.
- **0.** Projects will be selected to obligate 4 years of HR3 funding (\$4.4 million total).
- **0.** Projects will be developed using the current ODOT/Local Agency federal-aid project delivery process.
- **0.** An HR3 Steering Committee comprised of FHWA, ODOT, AOC and County Road Officials was formed to develop Oregon HR3 program and project selection criteria.
- 0. HR3 funding is federally funded; therefore projects need to conform to AASHTO standards. The AASHTO Low Volume Road Guide is the AASHTO standard for very low volume rural, e.g. roads with ADTs less than or equal to 400. Exceptions to AASHTO standards will be processed using the current FHWA/ODOT/Local Agency design exception process.

Since HR3 projects are intended to meet a specific safety need the scope of work is limited to features that are directly impacted as a result of addressing this specific need. Each feature constructed in a HR3 project must be built to the applicable standard for new construction. Elements of HR3 projects that are not directly being impacted need not be brought up to current standards. For example, a signing upgrade along a rural corridor will generally not necessitate shoulder widening.

B. Eligibility Criteria

Oregon's eligibility criteria mirrors the federal guidelines as stated in Section I-C-2 above. These criteria are:

- **0.** Roadways functionally classified as a rural major or minor collector or as a rural local road are eligible.
- **0.** The roadway must have a crash rate for fatalities and incapacitating injuries (serious injury A) that exceeds the statewide average for those functional classes of roadways.
- **0.** Roadways are also eligible if future traffic volumes are projected to increase causing a projected increase in the crash rate for fatalities and incapacitating injuries that exceeds the statewide average.

ELIGIBILITY NOTES:

- . Roadways with similar characteristics in the vicinity of an area of identified fatal or serious injury crash history may be included in the project limits. Applicants are encouraged to develop projects that will address similar crash types or characteristics on eligible roadway sections.
- . The intent of Oregon's implementation is to focus on County Roads, however, qualified State Highways or roads identified as public under 23 CFR 460.2, with a history of fatal or serious injury A crashes may apply for HR3 funding.
- . Projects in counties subject to loss of revenue due to reduction or elimination of Federal School Safety Net Funds may be given special consideration.
- . When all projects are submitted the HR3 Steering Committee will assess the possibility of combining projects, of a similar nature, on a Regional or Statewide basis.
- . Eligible roadways with ADT's less than or equal to 400 will be given special consideration.
- . Roads with high crash rates, in addition to fatal crashes and serious injury A crashes, and having an assessment by the local engineer that there is potential for serious injury A crashes or fatal crashes to increase will be given special consideration.

C. Local Match Requirements

The Local Match requirement for HR3 projects is 7.78% of the total project cost.

D. Project Non- Participating Costs and Overruns

- **0.** Project Sponsors are responsible for 100 percent of the cost of any item which is not eligible for federal participation.
- **0.** Project overruns, unless authorized by the HR3 Steering Committee, are the responsibility of the Project Sponsor. Project Sponsors may submit a request for consideration of additional authorization for reimbursement of project overruns by submitting a detailed overrun justification to the HR3 Steering Committee. The HR3 Steering Committee will review the submittal and determine if there is sufficient available funding to cover the overrun. If adequate funding is not available, or if the reason and purpose of the overrun does not sufficiently meet HR3 Program goals, the Project Sponsor retains responsibility for the overrun.

Submit overrun requests to Alan Lively at ODOT's Local Government Section by:

- FAX (503) 986-3290
- Mail Alan Lively, ODOT Local Government Section/HR3, 355 Capitol St NE, Rm 326 Salem OR 97301-3871
- Email alan.d.lively@odot.state.or.us

E. Intergovernmental Agreement (IGA) and Prospectus

HR3 projects are federally funded; therefore the current FHWA/ODOT/Local Agency project development and delivery process must be used to expend these funds. Among other requirements, this means that all HR3 projects are required to have an IGA and prospectus executed and federal funds obligated prior to incurring reimbursable expenditures. The regional ODOT Local Agency Liaison in your area is available to assist with this process.

F. Statewide Fatal and Serious Injury "A" Crash Rate Information

In 2004 the total number of fatal and serious injury "A" (F&A) crashes on Oregon's rural public roads classified major collectors and below was 430. Using an inventory of 47,860 miles for these classifications of roads and an annual estimate 14.2 million vehicle miles per day, the statewide average for these class of roads is 8.3 F&A crashes/ HMVM (crashes per hundred million vehicle-miles).

Data for fatal and serious crashs for 2000-2004 can be found by 1) right clicking on: <u>Crash Data</u> 2) Clicking on Open Hyperlink and 3) Clicking on "No" on the popup box that indicates the document has been modified and asking you if you want to save.

Below are some examples of sections of roadway that meet or exceed the statewide average based on the following formula:

Crash Rate = (# of Crashes * 100 million)/ (ADT * Length in Miles * Number of Years * 365 days/year)

# F&A Crash es in 3	Average Daily Traffic	Length of Sectio n	F&A Crash Rate (crash/Hmvm
yrs	(ADT)	(miles))
3	6600	5	8.3
2	4000	5	9.1
1	2000	5	9.1
1	1500	7	8.7
1	1000	10	9.1
1	500	20	9.1
1	250	40	9.1

Note: As ADT or Length increases Crash Rate decreases.

As ADT or length decreases Crash Rate increases.

Each application must contain information that confirms the project location crash history and rate and should use three or more years of crash data.

Fatalities are used for participants who die as a result of injuries sustained in the crash. Injury "A" (Serious or Incapacitating injury) is used for participants who suffer severe injuries. An incapacitating injury is a non-fatal injury which "prevents the injured person from walking, driving or normally continuing the activities the person was capable of performing before the injury occurred".

G. Application and project selection process.

- 2. The ODOT Local Government Section sent requests to prospective applicants for HR3 projects to in July 2006. They were required to submit a HR3 Notice of Intent (see Appendix A) to determine if the project met the program eligibility requirements before submitting a full application. Required documentation for the Notice of Intent was:
 - . A completed Notice of Intent Form
 - a. An attached letter or narrative (1 page max.) explaining the <u>need</u> for the project, type and extent of <u>proposed work</u>, <u>funds requested</u> and <u>matching funds</u> available, and the role of any <u>co-applicants or partners</u>.
 - a. An attached vicinity map and site map or other appropriate graphics (1 or 2 pages).
- ODOT reviewed the Notice of Intent submittals and determined which projects met the program eligibility requirements. ODOT notified all applicants if there project met the eligibility requirements. Full applications (see Appendix B) for projects meeting the program minimum requirements were then requested from the Project Sponsors.

Required documentation for the included:

- a. Project justification
- a. Proposed solution
- a. Detailed Cost Estimate that includes 15% PE, 15% CE, 40% Contingencies and 20% for Mobilization & Traffic Control. For example, including these items at these percentages for a project with \$100,000 of construction costs will make the final total project cost and funding request \$190,000.
- 2. The HR3 Steering Committee (comprised of ODOT staff and local agency representatives) reviewed the applications, develop a prioritized list, and suggest possible project groupings of eligible projects. The final selected project list was prioritized based on available funding with 5 projects receiving full funding. Four more projects were included in a reserve project list in case more funding becomes available. The selected projects were approved by OTC to be placed in the STIP at their May 2007 meeting. The projects were amended into the STIP on March 5th, 2008 after in depth project scoping was performed.
- 2. ODOT has completed detailed scoping of the selected and reserve projects. The selected projects are currently in the project development phase with construction planned for summer of 2009.

H. Assessment of HR3 Project Effectiveness

ODOT is responsible to report to FHWA regarding the effectiveness of crash solutions that are implemented using HR3 funding. To prepare this report it is important that HR3 project sponsors provide information as listed in the bullets below to ODOT related to the crash solution(s) implemented and their effectiveness.

- Location/identifier for project—Basic information on the roadway where the project occurred
- Type of improvement(s) implemented
- Cost of improvement
- "Before" and "After" crash results—At least 3 years of "before" and 3 years of "after" data should be used.

Evaluation Results—Show whether the project achieved its purpose using benefit-cost or other approved methodology.

Appendix A: Standard Reporting Form

STANDARD REPORTING FORM OF EVALUATION DATA FOR COMPLETED SAFETY IMPROVEMENTS (July 1, 2005 to June 30, 2006) INCLUDES EQUAL MONTHS BEFORE AND AFTER CRASH DATA

ODOT	ODOT		Safety	Safety	Cost of Evaluated	Quantity			Number of Accidents							Number of Accidents						Number	Divided
Region	Key #	Line	Improvement	Classification	Improvements	of	Units			Before					After			Status	Before	After	or	of	or
	Kev No		Program [1]	Code [2]	\$1,000 [3]	Improvements	[5]	Mos. [6]	Fat. [7]	Inj. [8]	*PDO [9]	101AL [10]	Mos. [11]	Fat. [12]	Inj. [13]	*PDO [14]	101AL [15]	[16]	AAD1 [17]	AAD I [18]	Urban [20]	Lanes [21]	Undivided
1	04036	1	ODOT	1A	4029	1	X	36	0	5	4	9	36	0	2	4	6	F	7,700	10,600	Rural	3	Undivided
1	08006	2	SIP	1A	1532	1	Х	36	1	3	8	11	36	0	6	1	7	F	10,600	10,300	Rural	2	Undivided
1	09393	3	ODOT	2D	33031	1	L	36	0	4	12	16	36	0	6	9	15	F	11,500	23,000	Urban	4	Undivided
1	10665	4	ODOT	ЗК	5617	7	М	36	4	85	94	183	36	2	67	101	170	F	16,300	17,000	Urban	2	Undivided
1	10731	5	ODOT	3F	4674	2	М	36	1	125	171	297	36	1	131	166	298	F	39,500	39,300	Urban	5	Undivided
1	10867	6	SIP	1A	2153	1	Х	36	1	20	19	39	32	0	5	6	11	F	10,500	9,300	Urban	4	Undivided
1	11928	7	164 Penalty	1A	2165	1	Х	36	1	6	5	12	30	0	11	8	19	F	28,900	28,800	Rural	4	Undivided
1	11929	8	SIP	3D	1378	1	Х	36	0	6	5	11	36	1	5	3	9	F	9,800	8,800	Rural	3	Undivided
1	11939	9	ODOT	3F	4947	11	М	36	1	3	17	21	36	0	5	13	18	F	1,300	1,200	Rural	2	Undivided
1	12148	10	HEP	1G	799	1	Х	36	0	9	9	18	36	0	1	7	8	F	15,000	17,000	Urban	2	Undivided
1	12905	11	SIP	ЗA	1070	1	Х	36	0	34	46	80	36	0	28	52	80	F	32,100	34,600	Urban	4	Undivided
1	13233	12	HEP	1A	450	1	Х	36	0	99	200	299	36	1	110	184	295	F	26,800	23,300	Urban	2	Undivided
1	13592	13	164 Penalty	1D	950	1	Х	36	0	2	5	7	36	0	5	4	9	F	17,700	19,900	Urban	2	Undivided
2	10349	14	ODOT	3L	18083	3	М	36	1	34	87	121	32	0	59	59	118	F	60,100	63,400	Urban	6	Divided
2	11799	15	SIP	1F	1625	2	М	36	1	78	120	198	36	0	62	72	134	F	12,700	11,400	Urban	4	Undivided
2	11803	16	ODOT	1A	1934	1	М	36	0	39	44	83	36	0	41	43	84	F	33,000	32,600	Rural	4	Undivided
2	13183	17	ODOT	1C	660	2	Х	36	0	5	1	6	36	0	8	6	14	F	22,800	21,300	Rural	2	Undivided
2	13265	18	HEP	1A	280	1	Х	36	0	3	8	11	36	0	2	0	2	F	590	530	Rural	2	Undivided
2	13575	19	SIP	1C	3626	1	Х	36	0	1	0	1	35	0	2	0	2	F	15,600	15,200	Rural	2	Undivided
2	13590	20	HEP	1A	3739	1	Х	36	1	40	25	65	36	0	34	25	59	F	35,400	11,300	Rural	2	Undivided
3	11728	21	ODOT	1F	605	2	Х	36	0	9	0	9	36	0	1	2	3	F	29,800	30,100	Urban	2	Undivided
3	12718	22	HEP	1G	710	1	Х	36	1	11	4	16	36	0	1	3	4	F	4,300	4,100	Rural	2	Undivided
5	10100	23	ODOT	5D	2915	2	Х	36	0	0	0	0	33	0	0	0	0	F	4,400	4,800	Rural	2	Undivided
5	13208	24	SIP	2B	23322	16	S	36	0	5	3	8	31	0	4	3	7	F	3,300	3,000	Rural	2	Undivided
5	13580	25	ODOT	1C	1740	1	М	36	0	7	17	24	26	0	3	0	3	F	9,400	9,800	Rural	2	Undivided

NOTE: The 5 projects highlighted in gray shade are the old HEP projects (H28 or Q28).

The remaining 20 safety projects evaluated were funded using other safety funds (SIP, 164 funds, etc.) and are shown for information only to assist in improving ODOT's data driven decision making process when developing future safety projects.

Appendix B: High Risk Rural Roads Program Data

HIGH RISK RURAL ROADS PROJECT LIST FOR SFY 2009

APPLICANT COUNTY	PROJECT NAME				ODOT REGION	FEI	DERAL HR3 FUNDS	F	TOTAL 'ROJECT COST
	Selected Projects - Amended into the STIP March 5, 2008	Let Date	Award Date	Completion Date					
Columbia County Road Dept.	Canaan Road Guardrail Project	Spring 2010			1	\$	230,550	\$	250,000
Clackamas County DTD	Zimmermen Road Improvement Project	Spring 2010			1	\$	654,540	\$	700,000
Marion County Public Works	Meridian Rd from Hobart Rd to College Rd Intersection Improvements	Spring 2010			2	\$	1,383,300	\$	1,500,000
Jackson County Roads	Blackwell Road MP 2.0-3.0 Road Realignment	Spring 2010			3	\$	1,383,300	\$	1,500,000
Wasco County Public Works	Browns Cr Inter., Cherry Ht GR, Chenowith Cr Guardrail Project	Spring 2010			4	\$	691,650	\$	750,000
Selected Project Totals						\$	4,343,340	\$	4,700,000
	Reserve Project List - Not Amended into the STIP								
Marion County Public Works	Howell Prairie Road Between Oregon 214 and Oregon 99E				2	\$	663,984	\$	720,000
Marion County Public Works	Boones Ferry Road Between Woodburn UGB and Arndt Road				3	\$	276,660	\$	300,000
Jackson County Roads	Jackson - West Fork Griffin Creek Road MP 0.5 - 1.5				3	\$	1,198,860	\$	1,300,000
Reserve Project Totals						\$	2,139,504	\$	2,320,000