

Oregon Department of Transportation																
													Region			
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2011 - Top 10% Sites Investigative Report - By Hwy, MP																
* Bold italic font indicates top five percent (5% SPIS cutoff value = 53.48)																
Region	Dist.	Rte.	Hwy	Rdwy	Rd Name	BMP	EMP	ADT	Max Crashes	Max Fatalities	Max SPIS*	Date Review Completed	Problem Description	Potential Remedies	Estimated Costs	Impediments to Implementation
4	10	US-97	004	1	THE DALLES-CALIFORNIA @ Cooley Rd (MP 134.11)	134.02	134.20	24,800	19	0	54.48	8/31/2011	15/19 rear end, 9/15 NB (Inj A)	Installed additional signal head for NB Installed signal ahead sign w/ flashers for SB. Project Key #16559 Redmond Adaptive Traffic Signal System will include this signal into the system. Communication infrastructure complete and included in the Bend Central Signal Program	\$2K \$2K \$1.1M	installed 12/14/10 installed 4/1/2010 Adaptive Signal System is fully operable Summer 2010
														Signing was upgraded under Project Key #15401 US 97 Bowery Lane to Romaine Village	\$9M	Construction complete Fall 2009
														Project Key #14020 US 97 Bend North Corridor will look into solutions for US 97 in the Cooley Road segment.	\$10.5M	Finding solution that will increase capacity, safety and be accepted by local businesses and residences.
4	10	US-97	004	1	THE DALLES-CALIFORNIA @ Robal Rd (MP 134.60)	134.47	134.65	31,100	25	0	59.78	8/31/2011	17/25 Rear-End, 11/17 NB; 1 Angle at Target access (Inj A), 1 SSM Inj A (cell phone)	Project Key #16559 Redmond Adaptive Traffic Signal System will include this signal into the system. Communication infrastructure complete and included in the Bend Central Signal Program	\$1.1M	Adaptive Signal System is fully operable Summer 2010
														Installed advance signal ahead sign for NB	\$2K	Installed 7/22/2010
														Signing & striping was upgraded under Project Key #15401 US 97 Bowery Lane to Romaine Village	\$9M	Construction complete Fall 2010
														Project Key #14020 US 97 Bend North Corridor will look into solutions for US 97 in the Cooley Road segment.	\$10.5M	Finding solution that will increase capacity, safety and be accepted by local businesses and residences.
4	10	US-97	004	1	THE DALLES-CALIFORNIA @ Reed Ln (MP 139.68)	139.68	139.77	21,700	14	1	42.39	8/30/2011	7/14 rear-end, 1 Bike Fatal (Crossing at X-Walk, driver on drugs)	RRFB installed, signing & striping improvements were upgraded under Project Key #15401 US 97 Bowery Lane to Romaine Village under change order	\$100K	Complete 4/11

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4	10	US-97	004	1	THE DALLES-CALIFORNIA @ Powers Rd (MP 139.97)	139.88	140.06	21,700	34	1	73.98	8/31/2011	21/34 Rear-End, 9/21 SB; 10/34 Angle/Disregarded Traffic Signal, 1 Inj A, 1 drug alcohol Fatal; 13 crashes in 2010	Added 1/2 sec Yellow and 1/2 sec red to mainline Signals @ Powers Rd, Pinebrook Blvd & 3rd St on 7/28/11. (4.5 Yellow, 1.5 All Red)	\$100	Complete 7/28/11
														Police enforcement pads installed and signing upgraded under Project Key #15401 US 97 Bowery Lane to Romaine Village Added advance signal heads under change order	\$9M \$20K	Construction complete Fall 2009 Change order approved, Advance Signal Heads Installed 6/11
														Will be included in the Bend Central Signal Program Key #15175	\$450K	Construction complete Summer 2012
														Developer added an EB through lane on Powers Rd as mitigation	\$20K	Complete Spring 2009
														Install Police Red Light Runner indicator lights and add red light running detection	\$15K	Not funded
														Increase Police Enforcement to increase signal compliance	\$1K	Effectiveness is short lived
														Red Light running camera	\$50K	Public support, no funding, may increase rear-end crashes
4	10	US-20	007	1	CENTRAL OREGON @ 3rd St. (MP 0.51), 4th St. (MP 0.60)	0.51	0.60	17,300	12	0	46.18	8/31/2011	6/12 Rear-End; 4/12 Turning, 1/4 Inj A bike, 1/12 ped	Access Management / Street Enhancement	unknown	Funding, Public Support
					@ 3rd St. Signal (MP 0.51)								9/12 at 3rd, 5/9 Rear-End (1/5 alcohol), 3/5 WB	US 20 Signal Upgrade Project Key #13853 will add video detection and a 2070 controller.	\$1.235M	Completed Fall 2010
					@ 4th St. (MP 0.60)								3/12 at 4th, 2/3 illegal movement	Will be included in the Bend Central Signal Program Key #15175 Police enforcement for illegal left turns and crossing maneuvers at 4th St	\$450K \$1K	Construction complete Summer 2012 Effectiveness is short lived.
4	10	US-20	007	1	CENTRAL OREGON @ 7th St. (MP 0.86), 8th St. (MP 0.94), 9th St. (MP 1.00)	0.85	1.03	19,300	31	0	66.09	8/31/2011	11/31 Rear-End; 10/31 Turning; 3 bike (Inj A)	Access Management / Street Enhancement	unknown	Funding, Public Support
					@ 7th St. (MP 0.86)								3/31 at 7th St	Access Management / Street Enhancement	unknown	Funding, Public Support
					@ 8th St. Signal (MP 0.94)								20/31 at 8th St, 8/20 Rear-End (1 alcohol); 3 bike (Inj A)	Will be included in the Bend Central Signal Program Key #15175 as funds become available - Future upgrades being scoped for 14-15 STIP	\$450K	Communication infrastructure to signals
					@ 9th St. (MP 1.00)								8/31 at 9th St	Replaced existing 170 controller with new 2070 controller in 2009 Access Management / Street Enhancement	\$4K unknown	Installed 9/09 Funding, Public Support

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4	10	US-20	007	1	CENTRAL OREGON @ NE Purcell Blvd (MP 2.29)	2.20	2.38	14,400	17	0	57.52	8/31/2011	7/17 Rear-End, 3/7 EB, 1/7 NB (Inj A); 5/17 disregard signal (1/5 alcohol)	US 20 Purcell - Arnold Ice Cave project key #14932 improved detection with cameras and new signing, project will also add red colored bike lanes	\$2M	Construction complete Fall 2010
														Install advance signal head for EB	\$10K	received quick fix fund approval - complete design work on construction schedule
														Dedicated SW Rt turn lane and 2070 controller in 2008	\$75K	Construction complete
														Will be included in the Bend Central Signal Program Key #15175	\$450K	Construction complete Summer 2012
4	10	US-20	007	1	CENTRAL OREGON @ 27th St (MP 2.55)	2.46	2.64	14,400	22	1	53.79	8/31/2011	13/22 Rear-End (1/13 drugs), 9/13 NB (1/9 alcohol); 3/22 crossing disregard signal (Fatal); 2/22 Rt turn (1/2 alcohol)	New corridor timing plan for 27th Street being developed by consultant	n/a	unknown construction schedule
4	10	US-20	017	1	MCKENZIE-BEND @ Empire Ave (MP 18.80)	18.71	18.89	20,500	11	0	43.00	8/31/2011	7/11 Rear-End, 6/7 SB (Inj A); 4/11 Turning disregard signal, 3/4 left turn, 2/3 N-E	Signal modified under Quick Fix Fund Project. Added Protective / Permissive Left turn phase and a 2070 controller and communication equipment to be included in the Bend Central Signal Program Key #15175	\$18K	Completed in 2010
														Bend Central Signal Program Key #15175	\$450K	Communication equip not installed
RED = increases Value																
BLUE = lower value																
GREEN = New site																
BLACK = remained the same																

