

Appendix C

C.	Safety Information
	Average Accident Rate Tables
	Viaduct Collision Diagrams
	Viaduct Collision Summary Tables

**I-81 Corridor Study
Accident Analysis – Appendix Tables**

**Table 1: Comparison of Study Corridor and Statewide Average Accident Rates – Mainline
PRIMARY STUDY AREA Limits (I-81 Corridor and I-690 West St to Teall Ave)**

Segment	AADT	Length (ft)	Total Accidents	Segment Accident Rate (per MVM)	Statewide Average Accident Rate
I-81 Mainline NB Exit 16 to 16A	21,813	15,942	11	0.15	1.04
I-81 Mainline SB Exit 16A to 16	21,765	15,052	15	0.22	1.04
I-81 Mainline NB Exit 17 to E. Colvin St on-ramp	32,312	5,758	47	1.22	1.07
I-81 Mainline SB Exit 17 to W.Calthrop on-ramp	21,768	3,910	48	2.72	1.07
I-81 Mainline NB E. Colvin on-ramp to Exit 18*	38,274	3,861	56	1.83	1.07
I-81 Mainline NB Exit 18 to Almond Street on-ramp	28,659	2,891	57	3.32	1.04
I-81 Mainline NB Almond Street on-ramp to I-690 EB	46,107	777	10	1.35	1.07
I-81 Mainline NB I-690 EB off-ramp to I-690 WB off-ramp	35,422	1,154	13	1.53	1.07
I-81 Mainline NB I-690 WB off-ramp to I-690 WB on-ramp	24,949	2,161	48	4.29	1.04
I-81 Mainline SB Almond St on-ramp to Exit 17	35,150	5,703	11	0.26	1.07
I-81 Mainline SB Exit 18 to Almond St on-ramp	28,051	3,060	11	0.62	1.04
I-81 Mainline SB I-690 EB on-ramp to Exit 18	33,718	1,346	16	1.70	1.04
I-81 Mainline SB I-690 EB off-ramp to I-690 EB on-ramp*	23,882	1,763	28	3.21	1.04
I-81 Mainline SB Exit 19 off-ramp to I-690 EB off-ramp	33,242	1,429	11	1.12	1.04
I-81 Mainline SB Exit 20 to Exit 19*	41,633	516	23	5.17	1.07
I-81 Mainline NB Pearl St on-ramp to Butternut/State St	42,013	1,804	21	1.34	1.07
I-81 Mainline SB W. Division St on-ramp to Exit 20	46,576	554	21	3.92	1.07
I-81 Mainline NB Butternut/N State on-ramp to Exit	49,551	1,557	28	1.75	1.07
I-81 Mainline SB Bear St on-ramp to Exit 21	46,329	864	11	1.32	1.07
I-81 Mainline SB Exit 21 to W. Division St on-ramp*	43,325	1,954	33	1.88	1.07
I-81 Mainline NB Exit 22 to on-ramp 22	45,549	2,155	3	0.15	1.07
I-81 Mainline SB on-ramp 23B to Bear St on-ramp (22)	41,284	2,323	3	0.15	1.07
I-81 Mainline NB on-ramp 22 to Exit 23/24A/24B	48,062	3,048	11	0.36	1.07
I-81 Mainline SB Exit 22/23A/23B to on-ramp 23A	28,004	4,636	11	0.41	1.07
I-81 Mainline SB on-ramp 23A to on-ramp 23B	32,999	856	11	1.88	1.07
I-81 Mainline NB Exit 23/24A/24B to 25	37,817	6,594	36	0.70	1.07
I-81 Mainline SB Exit 25 to 22/23/23B	37,855	2,761	21	0.97	1.07
I-81 Mainline NB Exit 25 to 25A*	39,241	2,112	21	1.22	1.07
I-81 Mainline SB Exit 25A to 25	39,109	1,568	33	2.59	1.07
I-81 Mainline NB Exit 25A to 26	39,260	5,280	25	0.58	1.07
I-81 Mainline SB Exit 26 to 25A	40,780	5,823	24	0.49	1.07
I-81 Mainline NB Exit 26 to 27*	29,184	8,824	50	0.94	1.07
I-81 Mainline SB Exit 27 to 26	30,169	7,746	37	0.76	1.07

I-81 Mainline NB Exit 27 to 28	26,951	1,925	6	0.56	1.07
I-81 Mainline NB Exit 28 to 29	30,640	4,478	39	1.37	1.07
I-81 Mainline SB Exit 29 to 28	31,846	4,156	57	2.08	1.07
I-81 Mainline NB Exit 29 to 30	23,184	13,674	34	0.52	1.07
I-81 Mainline SB Exit 30 to 29	26,178	13,525	22	0.30	1.07
I-481 Mainline NB Between Ramp to I-81 NB and Ramp from I-81 NB	22,591	2,698	20	1.58	1.04
I-481 Mainline SB Between Ramp to I-81 NB and Ramp from I-81 NB	15,426	2,178	9	1.29	1.04
I-481 Mainline NB Between I-81 NB and Ramp to Rock Cut Road (Forest Interchange)	10,504	1,747	14	3.68	1.07
I-481 Mainline SB Between Ramp to Brighton Ave and I-81 NB (Forest Interchange)	8,253	1,743	17	5.70	1.04
I-690 Mainline EB Between Exit 10 & 11 Ramps*	33,477	1,357	20	2.12	1.07
I-690 Mainline WB Between Exit 10 & 11 Ramps*	30,895	1,458	17	1.82	1.07
I-690 Mainline EB Between Exit 11 & 12 Ramps	33,904	2,538	34	1.91	1.04
I-690 Mainline EB Between Exit 12 Ramps	33,428	1,582	10	0.91	1.04
I-690 Mainline WB Between Exit 11 & 12 Ramps	34,484	1,499	31	2.89	1.04
I-690 Mainline WB Between Exit 12 Ramps	33,575	1,799	19	1.52	1.04
I-690 Mainline EB Between Exit 12 & 13 Ramps*	38,488	1,124	10	1.11	1.07
I-690 Mainline WB Between Exit 12 & 13 Ramps	43,930	1,420	10	0.77	1.07
I-690 Mainline EB Between Exit 13 & 14 Ramps*	49,173	4,071	34	0.82	1.07
I-690 Mainline WB Between Exit 13 & 14 Ramps	49,857	5,022	43	0.83	1.07
I-690 Mainline EB Between Exit 14 & 15 Ramps	43,274	3,766	29	0.86	1.07
I-690 Mainline WB Between Exit 14 & 15 Ramps	44,580	5,569	29	0.56	1.07

Source: NYSDOT, 2010

* NYSDOT 2009-2010 Priority Investigation Location
Above Statewide Average Rates

Table 2: Comparison of Study Corridor and Statewide Average Accident Rates – Mainline Extended Study Area Limits (I-481 Corridor and I-690)

Segment	AADT	Length (ft)	Total Accidents	Segment Accident Rate (per MVM)	Statewide Average Accident Rate
I-481 Mainline NB I-81 Ramps to Exit 1*	10,504	3,347	18	2.47	1.07
I-481 Mainline SB Exit 1 to I-81 Ramps	8,253	1,528	2	0.76	1.04
I-481 Mainline NB Exit 1 to Exit 2*	13,311	12,411	39	1.14	1.04
I-481 Mainline SB Exit 2 to Exit 1	13,382	14,487	14	0.35	1.04
I-481 Mainline NB Exit 2 to Exit 3*	14,726	8,018	20	0.82	1.04
I-481 Mainline SB Exit 3 to Exit 2	14,705	8,090	6	0.24	1.04
I-481 Mainline NB Exit 3 Weaving section	14,670	3,284	63	6.30	1.07
I-481 Mainline NB Exit 3 to Exit 4*	25,664	5,587	23	0.77	1.07
I-481 Mainline SB Exit 3 Weaving section	25,247	2,929	26	1.70	1.07
I-481 Mainline SB Exit 4 to Exit 3	26,122	4,613	3	0.12	1.07
I-481 Mainline NB Between Exit 4 Ramps	12,524	2,340	30	4.94	1.04
I-481 Mainline NB Exit 4 to Exit 5*	21,823	5,346	29	1.20	1.04
I-481 Mainline SB Between Exit 4 Ramps	13,123	4,999	12	0.88	1.04
I-481 Mainline SB Exit 5 to Exit 4	22,378	4,193	11	0.57	1.04
I-481 Mainline NB Exit 5 Weaving section	21,119	3,774	40	2.42	1.07
I-481 Mainline NB Exit 5 to Exit 6*	19,310	5,614	49	2.18	1.04
I-481 Mainline SB Exit 5 Weaving section	20,333	3,618	11	0.72	1.07

I-481 Mainline SB Exit 6 to Exit 5	20,172	5,470	14	0.61	1.04
I-481 Mainline NB Exit 6 to Exit 7	16,125	3,925	37	2.82	1.04
I-481 Mainline SB Exit 7 to Exit 6*	16,712	3,937	21	1.54	1.04
I-481 Mainline NB Exit 7 to Exit 8	13,704	15,970	53	1.17	1.04
I-481 Mainline SB Exit 8 to Exit 7	14,206	15,797	13	0.28	1.04
I-481 Mainline NB Exit 8 to Exit 9	15,770	5,701	13	0.70	1.04
I-481 Mainline SB Exit 9 to Exit 8	17,181	6,010	3	0.14	1.04
I-690 Mainline EB Between Exit 1 Ramps*	9,030	2,053	6	1.56	1.04
I-690 Mainline EB Between Exit 2 Ramps	14,400	3,604	17	1.58	1.04
I-690 Mainline EB Between Exit 4 Ramps*	11,872	2,929	48	6.66	1.07
I-690 Mainline EB Between Exit 4 & 5 Ramps	17,773	2,789	12	1.17	1.04
I-690 Mainline EB Between Exit 5 Ramps	16,574	1,896	11	1.69	1.07
I-690 Mainline EB Between Exit 5 & 6 Ramps	18,195	8,891	50	1.49	1.07
I-690 Mainline WB Between Exit 5 Ramps	21,934	2,771	8	0.63	1.07
I-690 Mainline EB Between Exit 6 Ramps	12,885	3,594	29	3.02	1.04
I-690 Mainline EB Between Exit 6 & 7 Ramps	31,194	3,022	18	0.92	1.07
I-690 Mainline WB Between Exit 5 & 6 Ramps	23,884	8,003	11	0.28	1.07
I-690 Mainline WB Between Exit 6 Ramps	16,970	7,757	6	0.22	1.04
I-690 Mainline EB Between Exit 7 & Willis On-ramp	35,194	6,288	99	2.16	1.07
I-690 Mainline WB Between Exit 6 & 7 Ramps	35,279	1,876	1	0.07	1.07
I-690 Mainline EB Between Willis On-ramp & Exit 8 Ramp	38,182	1,996	26	1.65	1.07
I-690 Mainline WB Between Exit 7 & 8 Ramps	39,679	6,427	20	0.38	1.07
I-690 Mainline EB Between Exit 8 & 9 Ramps	31,658	1,560	34	3.32	1.07
I-690 Mainline WB Between Exit 8 & 9 Ramps	30,580	2,248	6	0.42	1.07
I-690 Mainline EB Between Exit 9 & 10 Ramps	28,761	3,537	55	2.61	1.07
I-690 Mainline WB Between Exit 9 & 10 Ramps*	25,876	3,153	12	0.71	1.07
I-690 Mainline EB Between Exit 10 & 11 Ramps	33,477	1,357	17	1.80	1.07
I-690 Mainline EB Between Exit 11 Ramps	26,234	2,101	41	3.59	1.04
I-690 Mainline WB Between Exit 10 & 11 Ramps	30,895	1,458	4	0.43	1.07
I-690 Mainline EB Between Exit 12 & 13 Ramps*	38,488	1,124	8	0.89	1.07
I-690 Mainline EB Between Exit 13 & 14 Ramps*	49,173	4,071	70	1.69	1.07
I-690 Mainline WB Between Exit 13 & 14 Ramps	49,857	5,022	75	1.44	1.07
I-690 Mainline EB Between Exit 14 & 15 Ramps	43,274	3,766	33	0.98	1.07
I-690 Mainline WB Between Exit 14 & 15 Ramps	44,580	5,569	17	0.33	1.07
I-690 Mainline EB Between Exit 15 & 16 Ramps	35,010	5,654	31	0.76	1.07
I-690 Mainline EB Between Exit 16 Ramps	15,248	3,178	46	4.58	1.07
I-690 Mainline WB Between Exit 16 Ramps	15,581	4,431	39	2.72	1.04
I-690 Mainline EB Between Exit 16 & 17 Ramps	18,247	1,865	10	1.42	1.07
I-690 Mainline WB Between Exit 16 & 17 Ramps	18,573	1,533	5	0.85	1.07

* NYSDOT 2009-2010 Priority Investigation Location
Above Statewide Average Rates

Table 3: Comparison of Study Corridor and Statewide Average Accident Rates – Ramps – PRIMARY STUDY AREA

Segment	AADT	Total Accidents	Segment Accident Rate (per MEV)	Statewide Average Accident Rate
I-81 NB on-ramp from E Colvin St	5,963	2	0.31	0.10
I-81 NB on-ramp from W. Calthrop St	6,911	3	0.40	0.10
I-81 NB off-ramp to W. Calthrop St (Exit 17)	762	3	3.60	0.19
I-81 SB on-ramp from W. Calthrop St	1,082	11	9.28	0.10
I-81 SB off-ramp to S. State St (Exit 17)	13,383	4	0.27	0.19
I-81 NB on-ramp from Almond St	17,449	1	0.05	0.02
I-81 NB off-ramp to Adams/Harrison/Almond (Exit 18)	9,616	5	0.47	0.19
I-81 SB on-ramp from Almond St.	7,100	4	0.51	0.10
I-81 SB off-ramp to Adams/Harrison/Almond (Exit 18)	11,595	9	0.71	0.19
I-81 NB on-ramp from Pearl Street	7,500	6	0.73	0.10
I-81 SB off-ramp to Clinton St./Salina St. (Exit 19)	8,392	6	0.65	0.19
I-81 NB on-ramp from Butternut St/N. State St	7,539	12	1.45	0.10
I-81 SB off-ramp to Franklin St/West St (Exit 20)	4,944	9	1.66	0.19
I-81 SB off-ramp to Spring St/Catawba St. (Exit 21)	3,005	9	2.74	0.19
I-81 SB on-ramp from W. Division St/Genant Dr.	3,252	21	5.90	0.10
I-81 NB on-ramp from Rt 298 (Court St/Sunset Ave)	2,514	14	5.09	0.10
I-81 NB off-ramp to Court Street (Exit 22)	4,003	7	1.60	0.19
I-81 SB on-ramp from Rt 298 (Bear St.)	5,046	9	1.63	0.10
I-81 NB to RT 370 East Hiawatha Blvd/Park St.*	5,090	5	0.90	0.19
I-81 SB off-ramp to Hiawatha/Courousel/Bear St	9,852	12	1.11	0.19
I-81 SB on-ramp from Old Liverpool Rd/Buckley Rd	4,996	2	0.37	0.10
I-81 SB on-ramp from RT 370 Onondaga lake pkwy	8,286	1	0.11	0.10
Hiawatha on-ramp to I-81 NB	9,700	9	0.85	0.10
I-81 NB to RT 370 West Liverpool (Exit 24A/24B)	14,855	11	0.68	0.02
7th North St. to I-81 NB on-ramp	5,936	4	0.62	0.10
I-81 SB to 7th North St. off-ramp (Exit 25)*	6,233	4	0.59	0.19
I-81 NB off-ramp to RT11/Mattydale (Exit 26)	10,077	12	1.09	0.02
I-81 SB on-ramp from RT11/S. Bay Rd	10,612	9	0.77	0.02
Frontage Road/Airport Blvd on-ramp to I-81 NB	4,847	2	0.38	0.10
I-81 NB off-ramp to Airport/Taft Rd/N Syracuse*	7,080	11	1.42	0.19
Frontage Road/Airport Blvd on-ramp to I-81 SB	6,459	14	1.98	0.10
I-81 SB off-ramp to Airport/Mattydale/Route 11	4,359	11	2.30	0.19
Taft Road on-ramp to I-81 NB	3,690	10	2.47	0.10
I-81 SB off-ramp to Taft Road (Exit 28)	3,778	5	1.21	0.19
I-481 NB to I-81 NB on-ramp*	4,719	4	0.77	0.10
I-481 SB to I-81 NB on-ramp	1,120	5	4.08	0.10
I-81 NB to I-481 SB off-ramp	1,755	1	0.52	0.19
I-481 SB to I-81 SB on-ramp	10,799	2	0.17	0.10
I-81 SB to I-481 SB off-ramp	4,974	1	0.18	0.19
I-481 NB to I-81 SB on-ramp	1,461	6	3.75	0.10
I-81 SB off-ramp to 481 NB	1,618	1	0.56	0.19
I-481 NB on-ramp from Rock Cut Rd	4,867	1	0.19	0.10
I-481 NB off-ramp from Rock Cut Rd (Exit 1)	2,060	1	0.44	0.19
I-481 NB on-ramp from I-81 SB	1,618	3	1.69	0.10
I-81 NB ramp to I-481 NB*	11,540	2	0.16	0.02

I-481 NB ramp from I-81 NB (Forest Interchange)*	4,704	1	0.19	0.19
I-481 SB ramp to I-81 SB (Forest Interchange)	4,716	2	0.39	0.19
I-481 SB ramp to I-81 NB (Forest Interchange)	9,054	3	0.30	0.19
I-481 SB ramp to Brighton Ave	5,130	2	0.36	0.19
I-690 WB on-ramp from West St.	5,873	7	1.09	0.02
I-690 WB off-ramp to West St. (Exit 11)	9,462	3	0.29	0.19
I-690 EB off-ramp to West St. & Genesee St/Rt 5	7,244	4	0.50	0.02
I-690 WB off-ramp to I-81 NB	9,565	4	0.38	0.19
I-690 WB on-ramp from I-81 NB	10,474	6	0.52	0.10
I-690 EB on-ramp from I-81 NB	10,686	1	0.09	0.10
I-690 EB on-ramp from I-81 SB	9,361	3	0.29	0.02
I-690 WB off-ramp to N Townsend St (Exit 13)	10,356	5	0.44	0.19
I-690 EB on-ramp from S. McBride St.	5,061	3	0.54	0.10
I-690 WB on-ramp from Teall Ave	10,500	4	0.35	0.10
I-690 WB off-ramp to Teall Ave (Exit 14)	5,223	3	0.52	0.19
I-690 EB on-ramp from Teall Ave	5,704	5	0.80	0.10
I-690 EB off-ramp to Teall Ave. (Exit 14)	11,603	19	1.50	0.19

*On NYSDOT 2009-2010 Priority Investigation Location list

Table 4: Comparison of Study Corridor and Statewide Average Accident Rates – Ramps – Extended Study Area

Segment	AADT	Total Accidents	Segment Accident Rate (per MEV)	Statewide Average Accident Rate
I-481 SB split to I-81 NB and I-81 SB	4,716	1	0.19	0.19
I-81 SB on-ramp to I-481 NB*	10,504	6	0.52	0.10
I-481 NB on-ramp from WB Genesee St	12,951	1	0.07	0.02
I-481 SB off-ramp to WB Genesee St (RT5 & 92) Exit 3W	3,199	1	0.29	0.19
I-481 NB on-ramp from WB Kirkville St	1,541	3	1.78	0.10
I-481 SB off-ramp to I-90 Thruway	2,624	1	0.35	0.19
I-481 NB on-ramp from Northern Blvd	4,854	1	0.19	0.10
I-690 EB off-ramp to RT695/RT5/Auburn (Exit 6)	5,311	2	0.34	0.19
I-690 EB on-ramp from State Fair Blvd	6,000	3	0.46	0.10
I-690 EB on-ramp from N Geddes St.	4,717	3	0.58	0.10
I-690 WB on-ramp from West St.	5,873	8	1.24	0.02
I-690 EB off-ramp to West St. & Genesee St/Rt 5 (Exit 11)	7,244	1	0.13	0.02

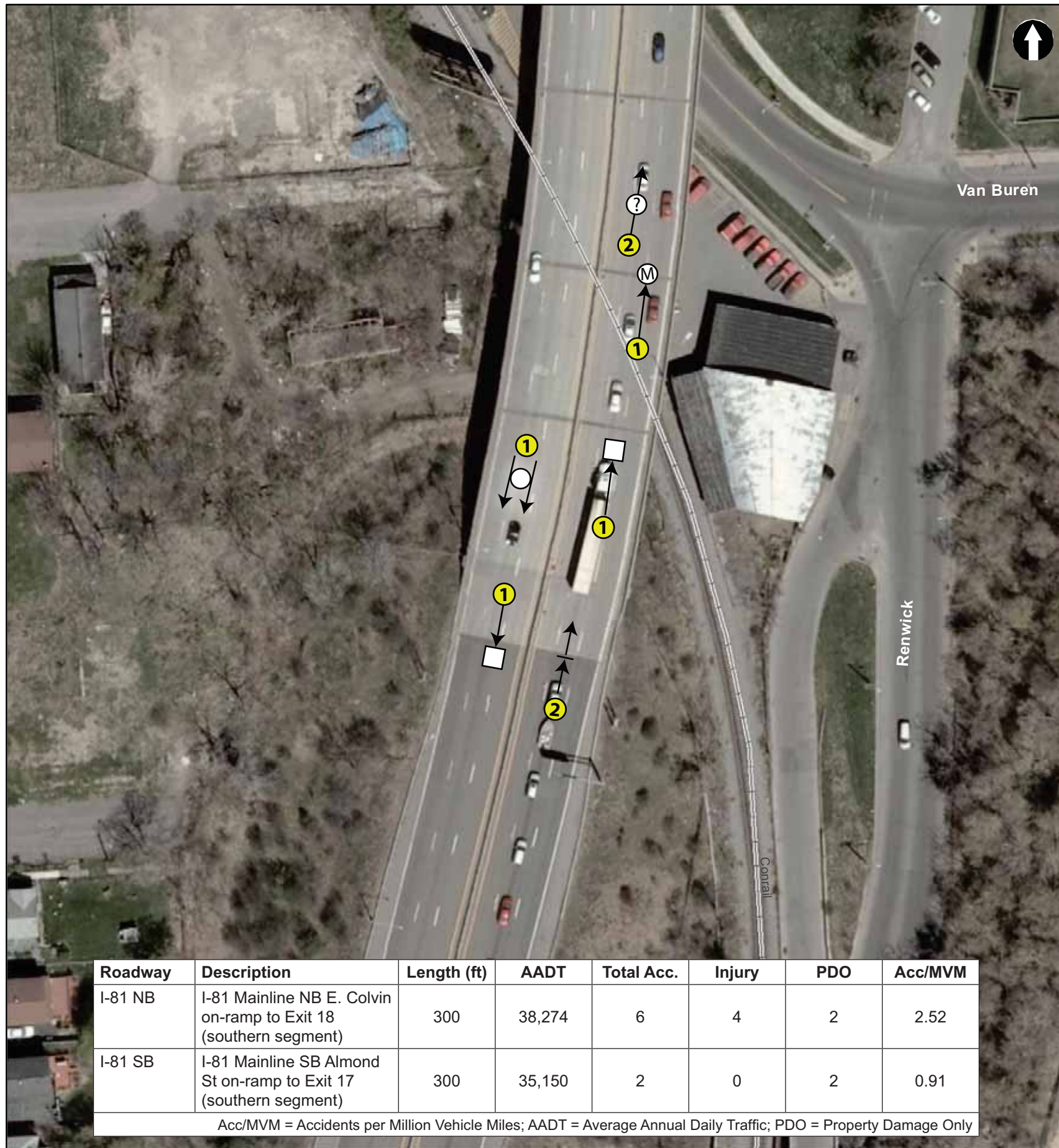
*On NYSDOT 2009-2010 Priority Investigation Location list

Table 5: Total Number of Accidents on Other Adjacent Corridors

Roadway	Region	Start Mile Mkr./Node	End Mile Mkr./Node	Segment	Total Accidents
NY 481	3301	2140	--	NY481 NB Off Ramp To I-81 NB	1
NY 481	3301	1000	1000	NY481 NB Off Ramp To I-81 SB	1
NY 481	3301	1B01	--	NY481 NB On Ramp From E Circle Dr	1
NY 481	3301	1C01	--	NY481 SB Off Ramp To 930J-Bear Rd	1
NY 481	3301	1006	1006	NY481 SB On Ramp From 930J-Bear Rd	4
NY 690	3301	1A01	--	NY690 NB Off Ramp To Van Buren Rd	1
NY 690	3302	1A02	--	NY690 NB Off Ramp To Rt 31 WB (Jordan-Bville)	1
NY 690	3301	1A00	1A01	NY690 SB Off Ramp To Thruway I-90	2
NY 690	3301	1C03	--	NY690 SB Off Ramp To Van Buren Rd	1
I-90	33	15498	15491	I-90 WB at I-690 Exit 39	30
I-90	33	15491	2198	I-90 WB at I-690 Exit 39	11
I-90	33	2198	15488	I-90 WB at I-690 Exit 39	2
I-90	33	7707	7248	I-90 EB at I-91 Exit 36	28
I-90	33	7248	7247	I-90 EB at I-91 Exit 36	7
I-90	33	7247	7238	I-90 EB at I-91 Exit 36	3
I-90	33	15501	15492	I-90 EB at I-690 Exit 39	16
I-90	33	15492	2197	I-90 EB at I-690 Exit 39	14
I-90	33	2197	2196	I-90 EB at I-690 Exit 39	2
I-90	33	2196	15494	I-90 EB at I-690 Exit 39	22
I-90	33	1340	3619	I-90 EB at I-481 Exit 34	1
I-90	33	3619	3625	I-90 EB at I-481 Exit 34	9
I-90	33	3625	3624	I-90 EB at I-481 Exit 34	2
I-90	33	3624	3623	I-90 EB at I-481 Exit 34	5
I-90	33	3626	4079	I-90 EB at I-481 Exit 34	9
I-90	33	7709	7258	I-90 WB at I-81 Exit 36	7
I-90	33	7258	7253	I-90 WB at I-81 Exit 36	11
I-90	33	7253	7237	I-90 WB at I-81 Exit 36	7
I-90	33	1339	3617	I-90 WB at I-481 Exit 34	2
I-90	33	3617	3620	I-90 WB at I-481 Exit 34	7
I-90	33	3620	3621	I-90 WB at I-481 Exit 34	12
I-90	33	3622	4077	I-90 WB at I-481 Exit 34	11
NY481	3301	1000	1000	NY481 NB East Circle Dr to Ramp to I-81 SB from 481 NB	15
NY481	3301	1000	1000	NY481 SB East Circle Dr to Ramp to I-81 SB from 481 NB	21
NY481	3301	1000	1000	Ramp to I-81 SB From 481 NB	1
NY481	3301	1001	1001	NY481 NB Cicero Tn Ln/North Syracuse Vil	10
NY481	3301	1001	1001	NY481 SB Cicero Tn Ln/North Syracuse Vil	6
NY481	3301	1001	1001	Ramp from I-81 SB To 481 SB	3
NY481	3301	1002	1005	NY481 NB Ramp from I-81 SB To 481 SB to I-481	2
NY481	3301	1002	1005	NY481 SB Ramp from I-81 SB To 481 SB to I-481	15
NY690	3301	1016	1018	NY690 NB - I-690 to NB On Ramp from Jones Road	6
NY690	3301	1016	1018	NY690 SB - I-690 to NB On Ramp from Jones Road	7
NY690	3301	1019	1019	NB On Ramp From Jones Road	1
NY690	3301	1020	1032	NY690 NB - NB On Ramp From Jones Road to NB Off Ramp to Van Buren Rd	8
NY690	3301	1020	1032	NY690 SB - NB On Ramp From Jones Road to NB Off Ramp to Van Buren Rd	18
NY690	3301	1032	1032	NB Off Ramp To Van Buren Rd	2

Roadway	Region	Start Mile Mkr./Node	End Mile Mkr./Node	Segment	Total Accidents
NY690	3301	1032	1057	NY690 NB - NB Off Ramp To Van Buren Rd to SB On Ramp From Rt 31 West	35
NY690	3301	1032	1057	NY690 SB - NB Off Ramp To Van Buren Rd to SB On Ramp From Rt 31 West	27
NY690	3301	1057	1057	SB On Ramp From Rt 31 West	1
NY690	3301	1058	1060	NY690 NB - SB On Ramp From Rt 31 West to NB On Ramp From Rt 31	1
NY690	3301	1058	1060	NY690 SB - SB On Ramp From Rt 31 West to NB On Ramp From Rt 31	4
NY690	3301	1060	1060	NB On Ramp From Rt 31	3
NY690	3301	1060	1069	NY690 NB - NB On Ramp From Rt 31 to SB On Ramp from Rt 370	5
NY690	3301	1060	1069	NY690 SB - NB On Ramp From Rt 31 to SB On Ramp from Rt 370	8
NY690	3301	1069	1069	SB On Ramp From Rt 370	1
NY690	3301	1069	1069	NB On Ramp From Rt 370 Baldwinsville	1
NY690	3301	1070	1079	NY690 NB - NB On Ramp From Rt 370 Baldwinsville to Church Rd	4
NY690	3301	1070	1079	NY690 SB - NB On Ramp From Rt 370 Baldwinsville to Church Rd	6
NY690	3301	1080	1080	Jct NY 690 - Church Rd	2

Source: NYSDOT 2009; Accident data from most recent three-year period available, either February 1, 2006 – January 31, 2009 or January 1, 2007 – December 31, 2009



Roadway	Description	Length (ft)	AADT	Total Acc.	Injury	PDO	Acc/MVM
I-81 NB	I-81 Mainline NB E. Colvin on-ramp to Exit 18 (southern segment)	300	38,274	6	4	2	2.52
I-81 SB	I-81 Mainline SB Almond St on-ramp to Exit 17 (southern segment)	300	35,150	2	0	2	0.91

Acc/MVM = Accidents per Million Vehicle Miles; AADT = Average Annual Daily Traffic; PDO = Property Damage Only

Interstate 81 Corridor Assessment

Accident Experience

Feb. 1, 2006 – Jan. 31, 2009

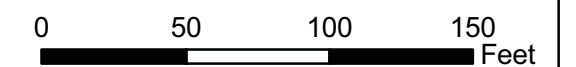
Legend

- 16 Exit Numbers
- Half Mile Study Area

Collision Type

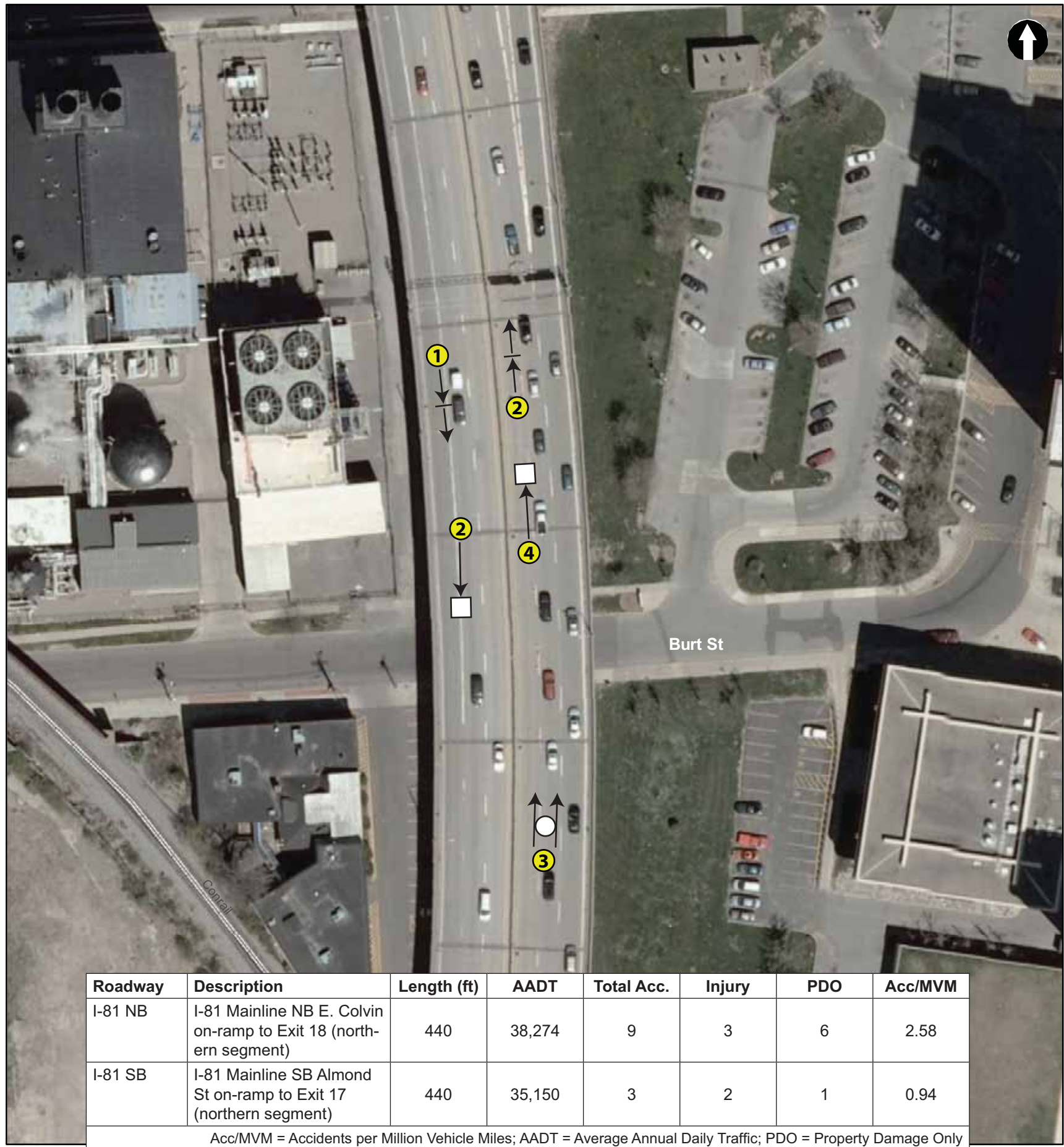
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	Moving object
	Overtaking
	Overturned
	Rear end
	Right angle
	Sideswipe
	# of accidents

DRAFT



SHEET 1





Interstate 81 Corridor Assessment

Accident Experience

Feb. 1, 2006 – Jan. 31, 2009

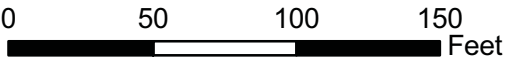
Legend

- 16 Exit Numbers
- Half Mile Study Area

Collision Type

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	Unknown
	Moving object
	Overtaking
	Overturned
	Rear end
	Right angle
	Sideswipe
	# of accidents

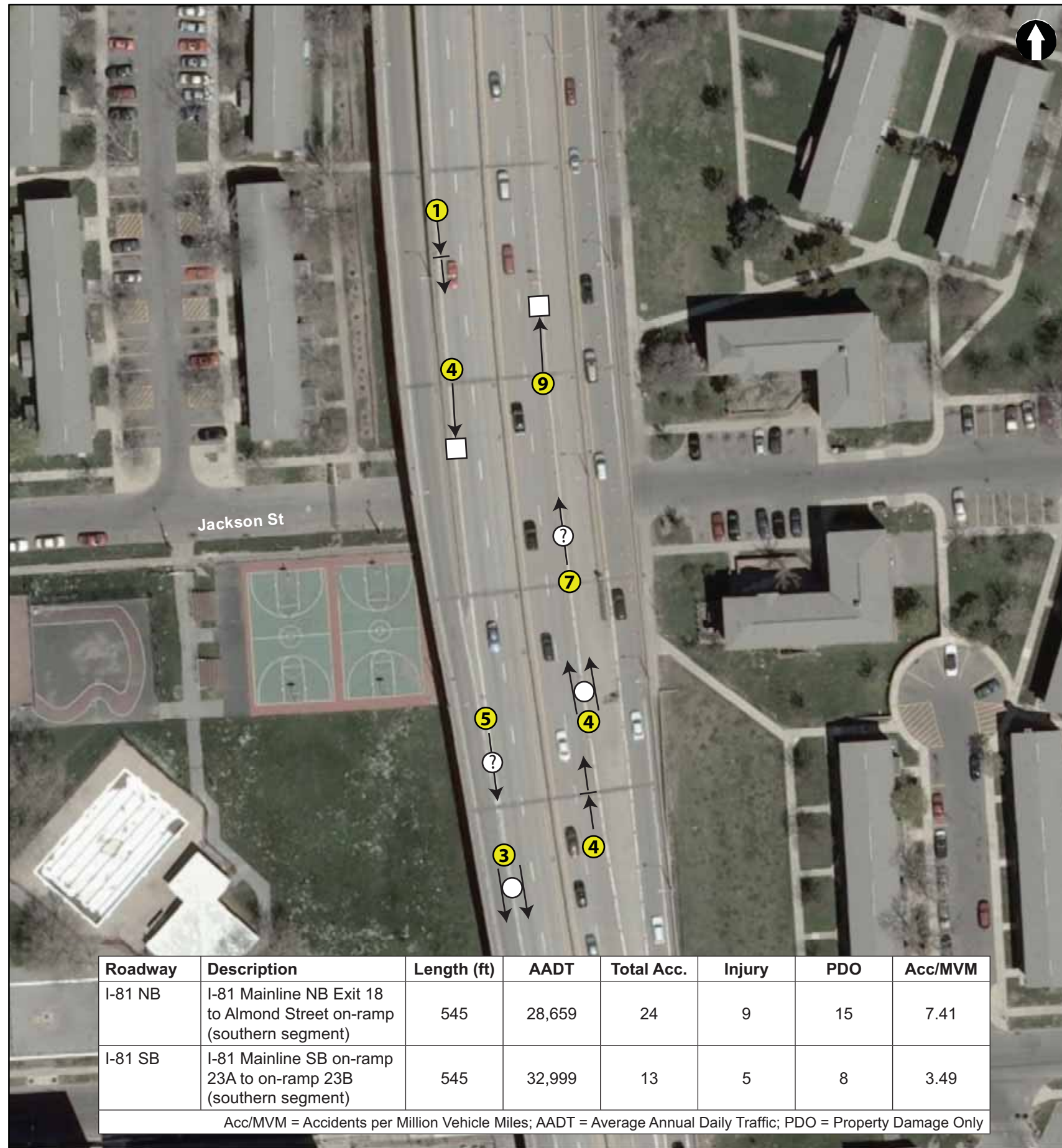
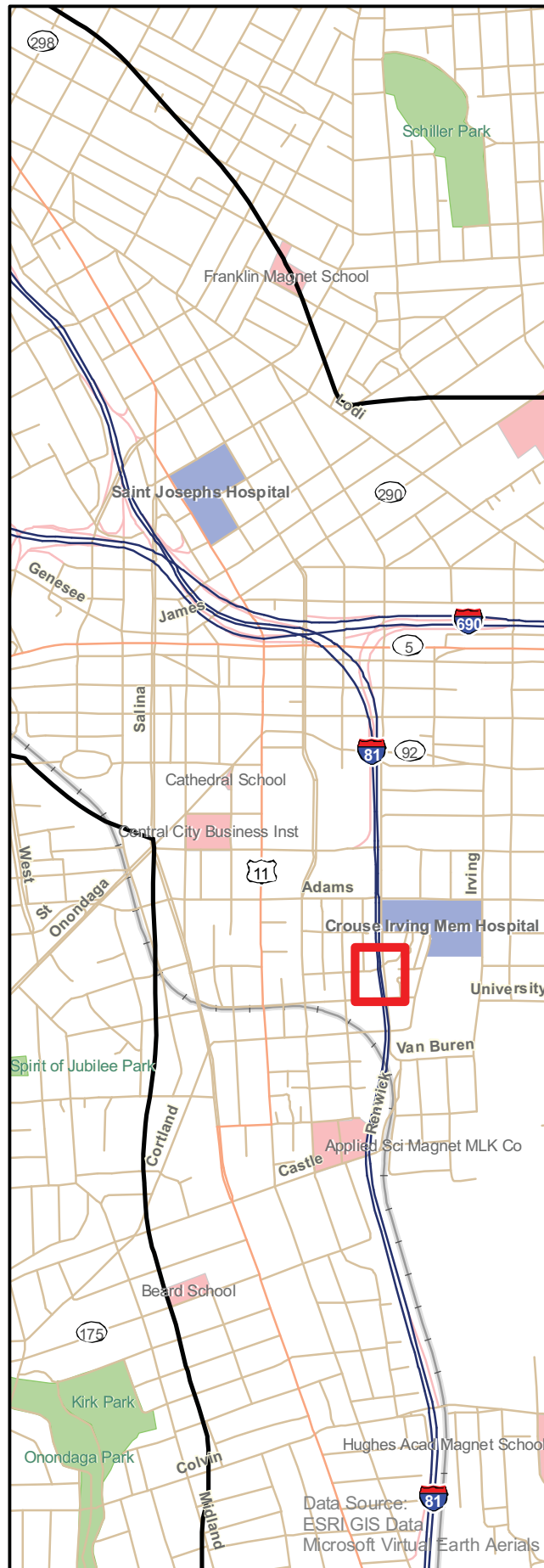
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SHEET 2

Roadway	Description	Length (ft)	AADT	Total Acc.	Injury	PDO	Acc/MVM
I-81 NB	I-81 Mainline NB E. Colvin on-ramp to Exit 18 (northern segment)	440	38,274	9	3	6	2.58
I-81 SB	I-81 Mainline SB Almond St on-ramp to Exit 17 (northern segment)	440	35,150	3	2	1	0.94

Acc/MVM = Accidents per Million Vehicle Miles; AADT = Average Annual Daily Traffic; PDO = Property Damage Only



Roadway	Description	Length (ft)	AADT	Total Acc.	Injury	PDO	Acc/MVM
I-81 NB	I-81 Mainline NB Exit 18 to Almond Street on-ramp (southern segment)	545	28,659	24	9	15	7.41
I-81 SB	I-81 Mainline SB on-ramp 23A to on-ramp 23B (southern segment)	545	32,999	13	5	8	3.49

Acc/MVM = Accidents per Million Vehicle Miles; AADT = Average Annual Daily Traffic; PDO = Property Damage Only

Interstate 81 Corridor Assessment

Accident Experience

Feb. 1, 2006 – Jan. 31, 2009

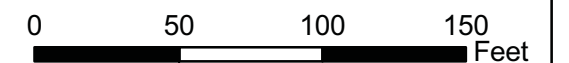
Legend

- 16 Exit Numbers
- Half Mile Study Area

Collision Type

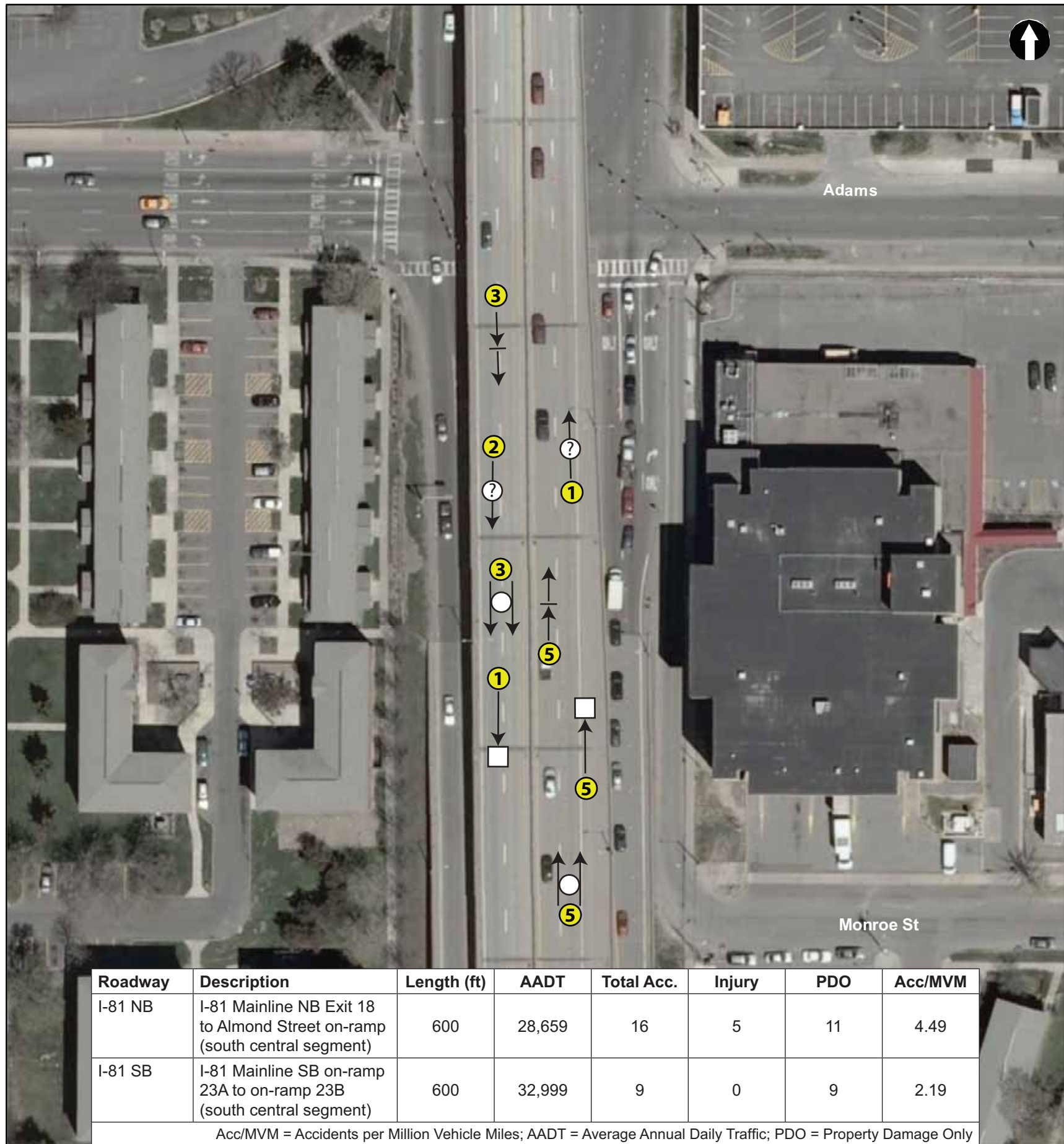
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	Unknown
	Moving object
	Overtaking
	Overtaken
	Rear end
	Right angle
	Sideswipe
	# of accidents

DRAFT



SHEET 3





Roadway	Description	Length (ft)	AADT	Total Acc.	Injury	PDO	Acc/MVM
I-81 NB	I-81 Mainline NB Exit 18 to Almond Street on-ramp (south central segment)	600	28,659	16	5	11	4.49
I-81 SB	I-81 Mainline SB on-ramp 23A to on-ramp 23B (south central segment)	600	32,999	9	0	9	2.19

Acc/MVM = Accidents per Million Vehicle Miles; AADT = Average Annual Daily Traffic; PDO = Property Damage Only

Interstate 81 Corridor Assessment

Accident Experience
Feb. 1, 2006 – Jan. 31, 2009

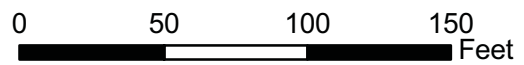
Legend

- 16 Exit Numbers
- Half Mile Study Area

Collision Type

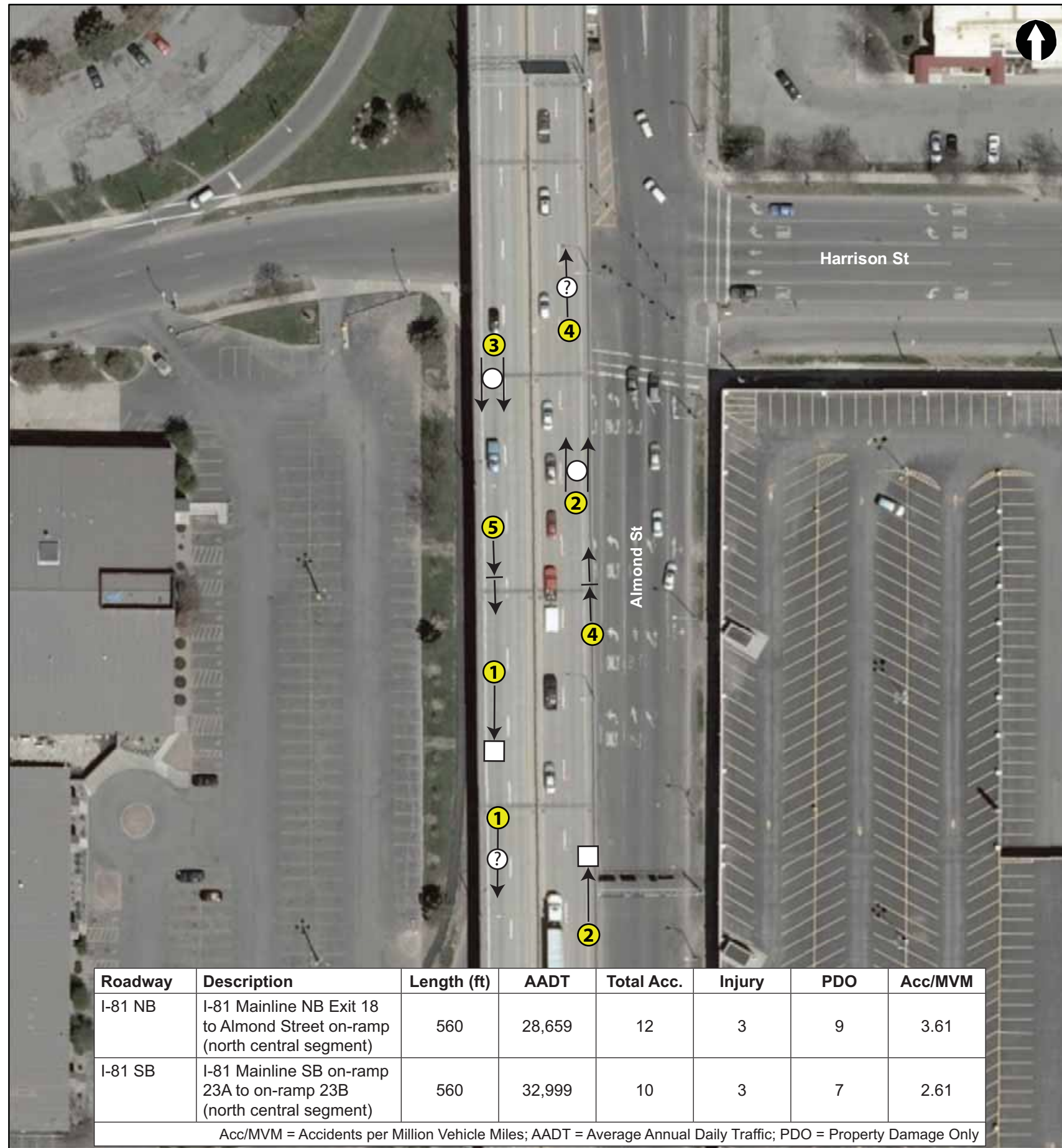
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	Unknown
	Moving object
	Overtaking
	Overturned
	Rear end
	Right angle
	Sideswipe
	# of accidents

DRAFT



SHEET 4





Roadway	Description	Length (ft)	AADT	Total Acc.	Injury	PDO	Acc/MVM
I-81 NB	I-81 Mainline NB Exit 18 to Almond Street on-ramp (north central segment)	560	28,659	12	3	9	3.61
I-81 SB	I-81 Mainline SB on-ramp 23A to on-ramp 23B (north central segment)	560	32,999	10	3	7	2.61

Acc/MVM = Accidents per Million Vehicle Miles; AADT = Average Annual Daily Traffic; PDO = Property Damage Only

Interstate 81 Corridor Assessment

Accident Experience
Feb. 1, 2006 – Jan. 31, 2009

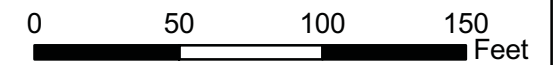
Legend

- 16 Exit Numbers
- Half Mile Study Area

Collision Type

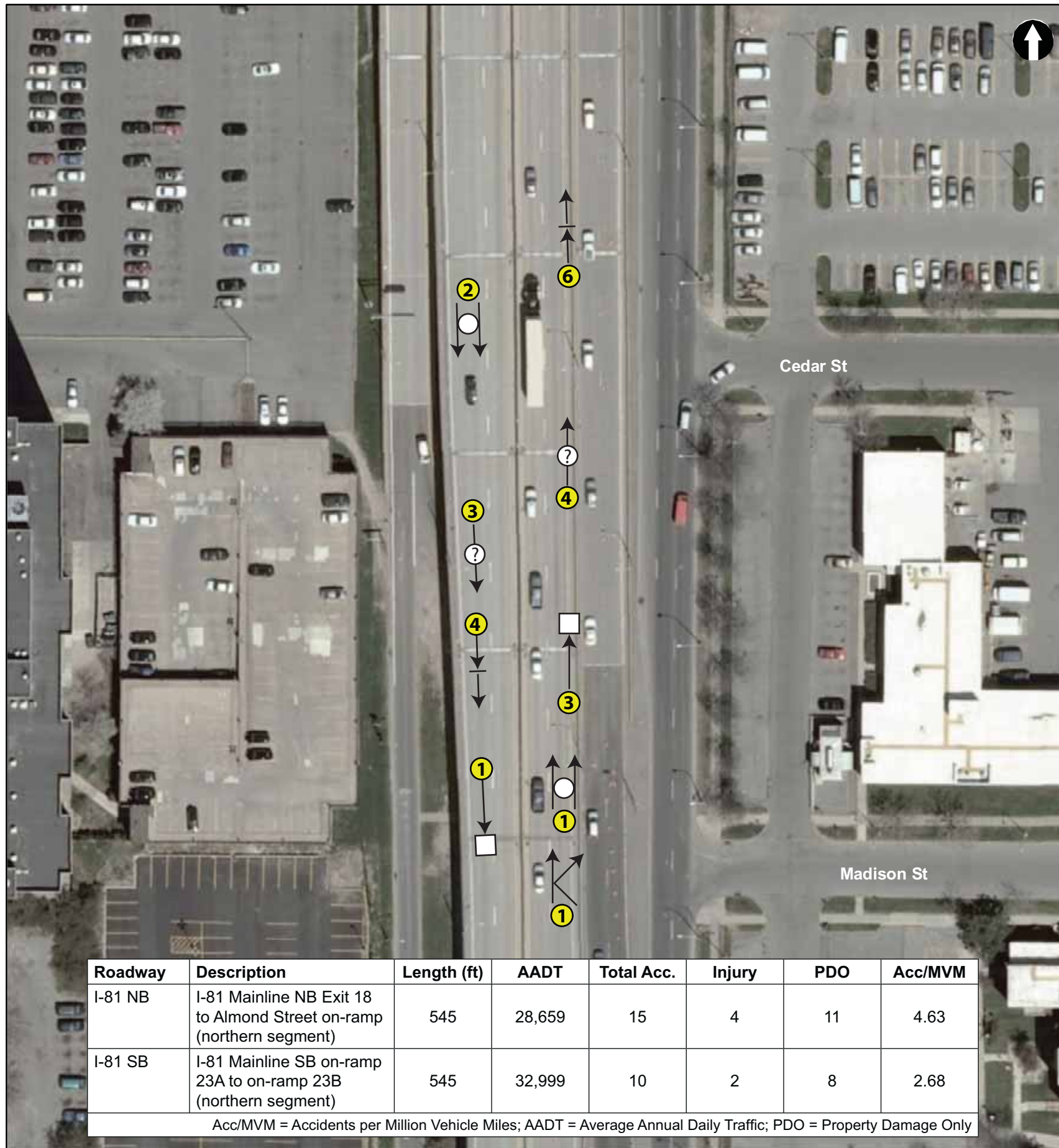
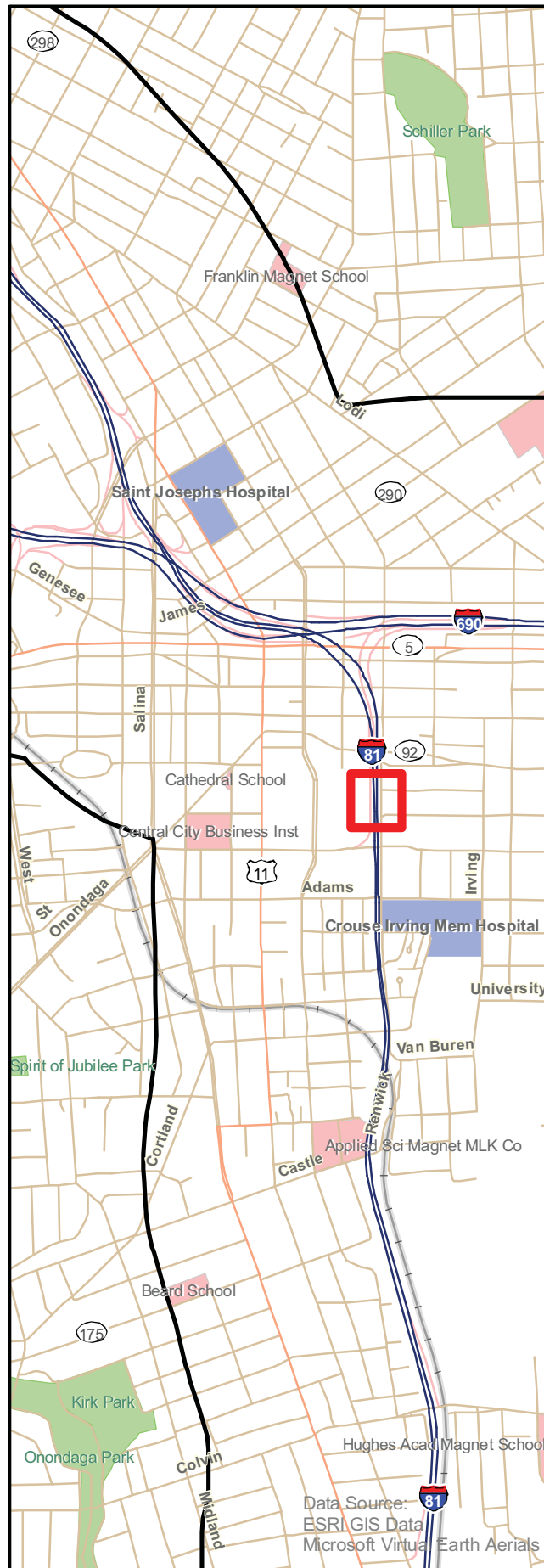
	Fixed Object
	Unknown
	Moving object
	Overtaking
	Overturned
	Rear end
	Right angle
	Sideswipe
	# of accidents

DRAFT



SHEET 5





Roadway	Description	Length (ft)	AADT	Total Acc.	Injury	PDO	Acc/MVM
I-81 NB	I-81 Mainline NB Exit 18 to Almond Street on-ramp (northern segment)	545	28,659	15	4	11	4.63
I-81 SB	I-81 Mainline SB on-ramp 23A to on-ramp 23B (northern segment)	545	32,999	10	2	8	2.68

Acc/MVM = Accidents per Million Vehicle Miles; AADT = Average Annual Daily Traffic; PDO = Property Damage Only

Interstate 81 Corridor Assessment

Accident Experience

Feb. 1, 2006 – Jan. 31, 2009

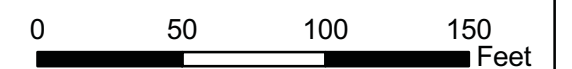
Legend

- 16 Exit Numbers
- Half Mile Study Area

Collision Type

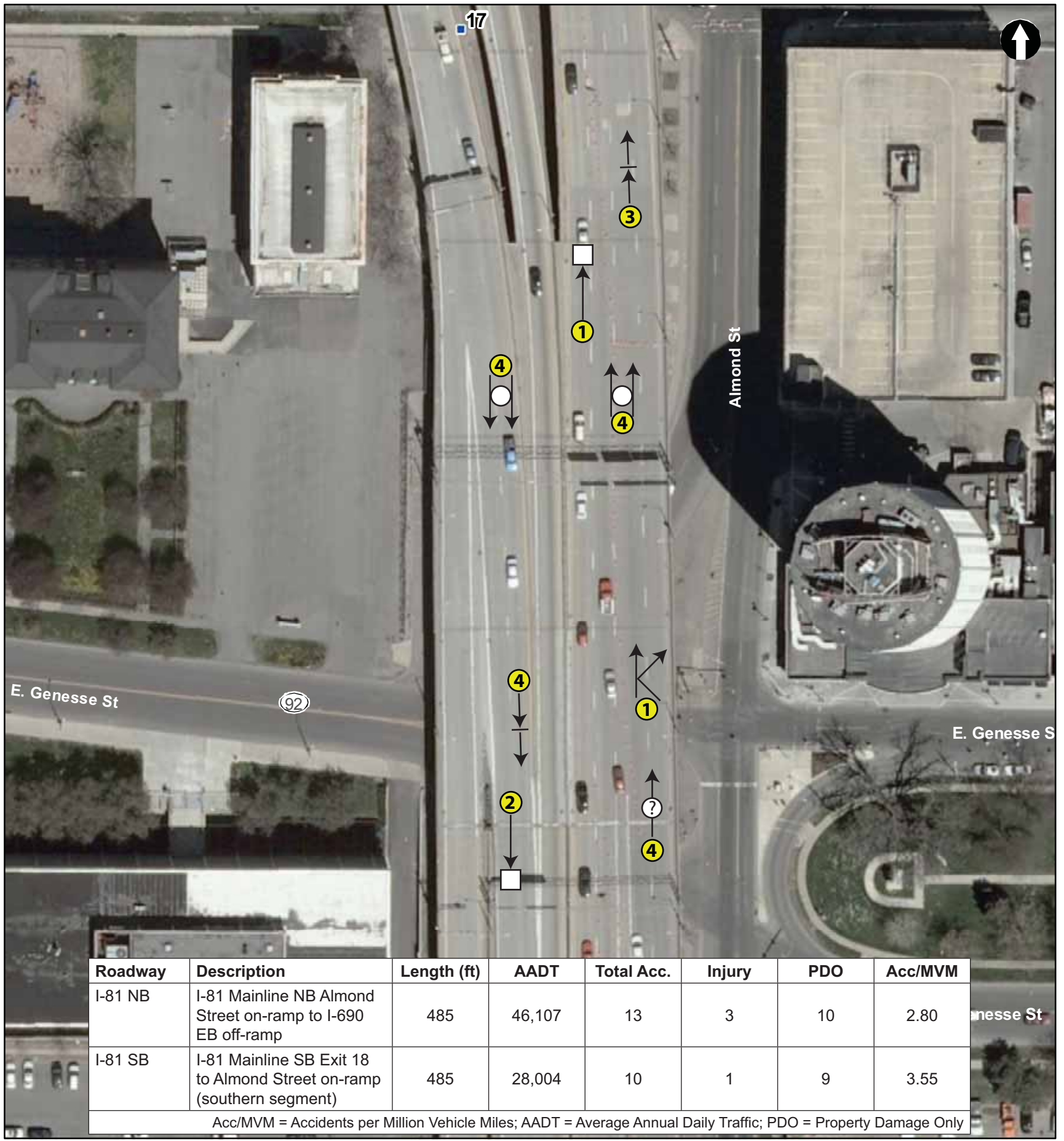
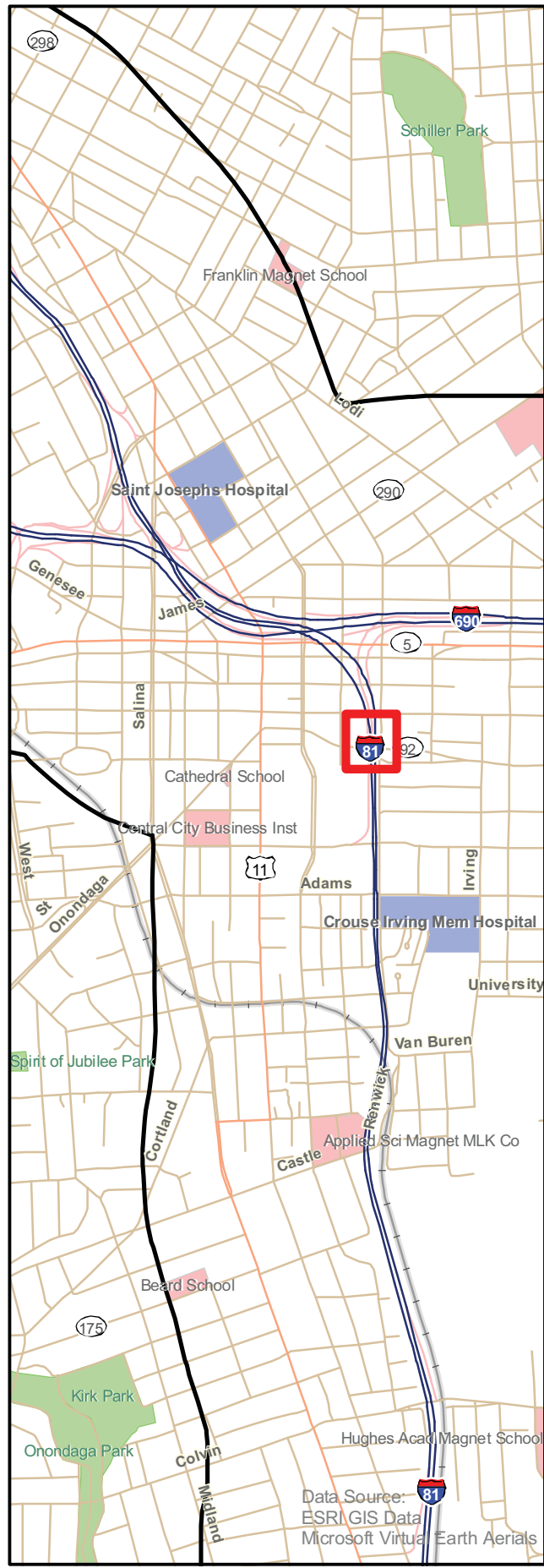
	Fixed Object
	Unknown
	Moving object
	Overtaking
	Overturned
	Rear end
	Right angle
	Sideswipe
	# of accidents

DRAFT



SHEET 6





Interstate 81 Corridor Assessment

Accident Experience

Feb. 1, 2006 – Jan. 31, 2009

Legend

- 16 Exit Numbers
- Half Mile Study Area

Collision Type

	Fixed Object
	Unknown
	Moving object
	Overtaking
	Overturned
	Rear end
	Right angle
	Sideswipe
	# of accidents

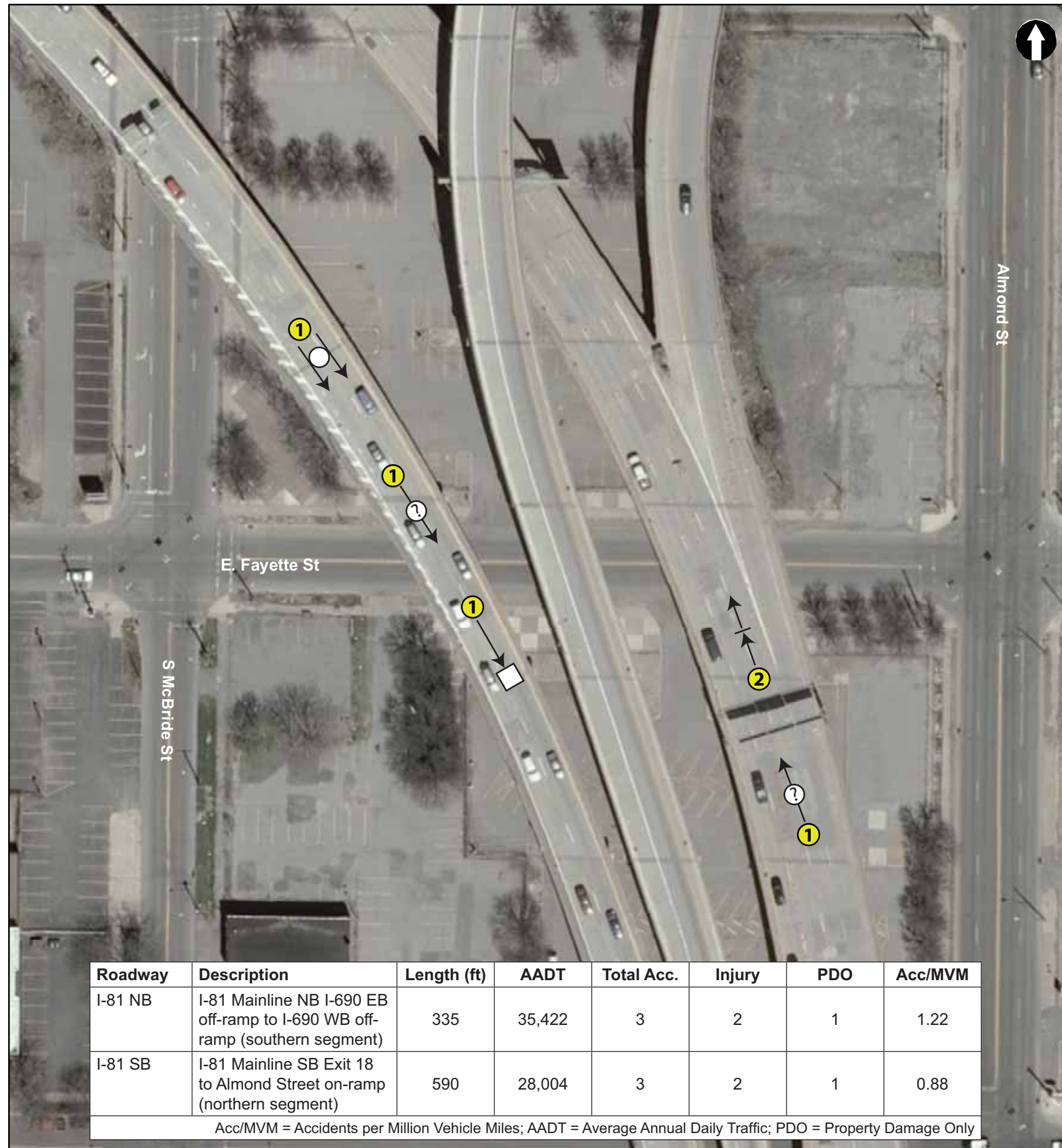
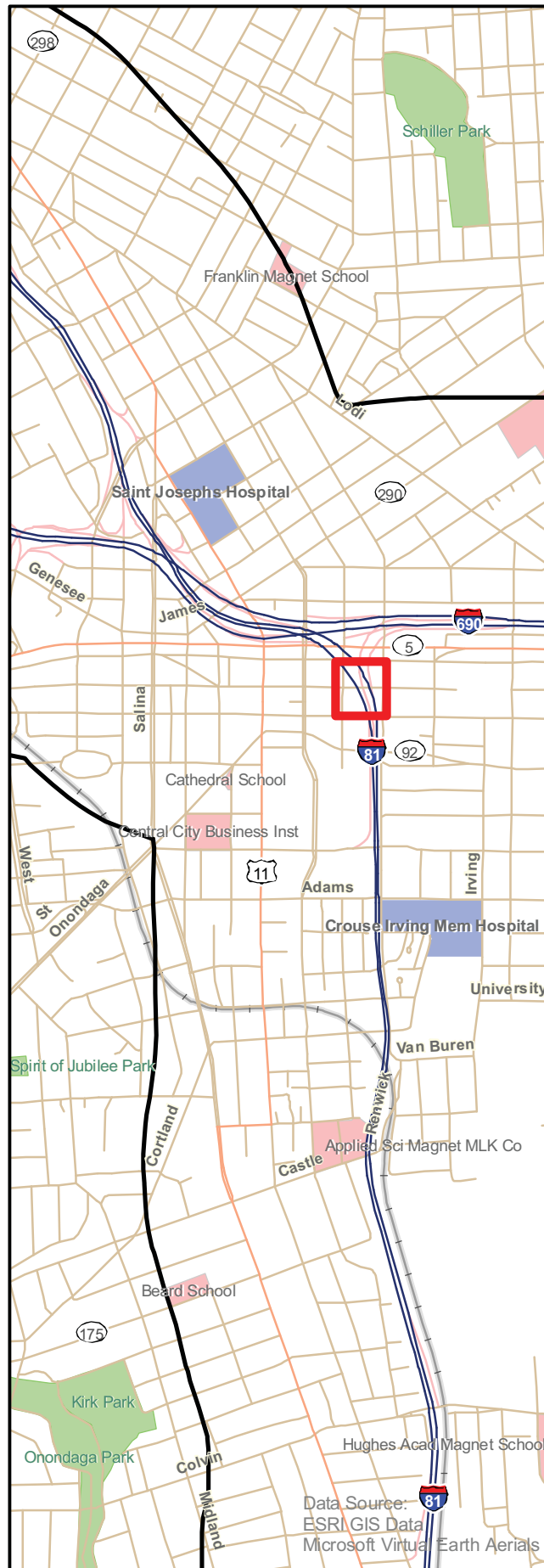
Roadway	Description	Length (ft)	AADT	Total Acc.	Injury	PDO	Acc/MVM
I-81 NB	I-81 Mainline NB Almond Street on-ramp to I-690 EB off-ramp	485	46,107	13	3	10	2.80
I-81 SB	I-81 Mainline SB Exit 18 to Almond Street on-ramp (southern segment)	485	28,004	10	1	9	3.55

Acc/MVM = Accidents per Million Vehicle Miles; AADT = Average Annual Daily Traffic; PDO = Property Damage Only



SHEET 7





Roadway	Description	Length (ft)	AADT	Total Acc.	Injury	PDO	Acc/MVM
I-81 NB	I-81 Mainline NB I-690 EB off-ramp to I-690 WB off-ramp (southern segment)	335	35,422	3	2	1	1.22
I-81 SB	I-81 Mainline SB Exit 18 to Almond Street on-ramp (northern segment)	590	28,004	3	2	1	0.88

Acc/MVM = Accidents per Million Vehicle Miles; AADT = Average Annual Daily Traffic; PDO = Property Damage Only

Interstate 81 Corridor Assessment

Accident Experience

Feb. 1, 2006 – Jan. 31, 2009

Legend

- 16 Exit Numbers
- Half Mile Study Area

Collision Type

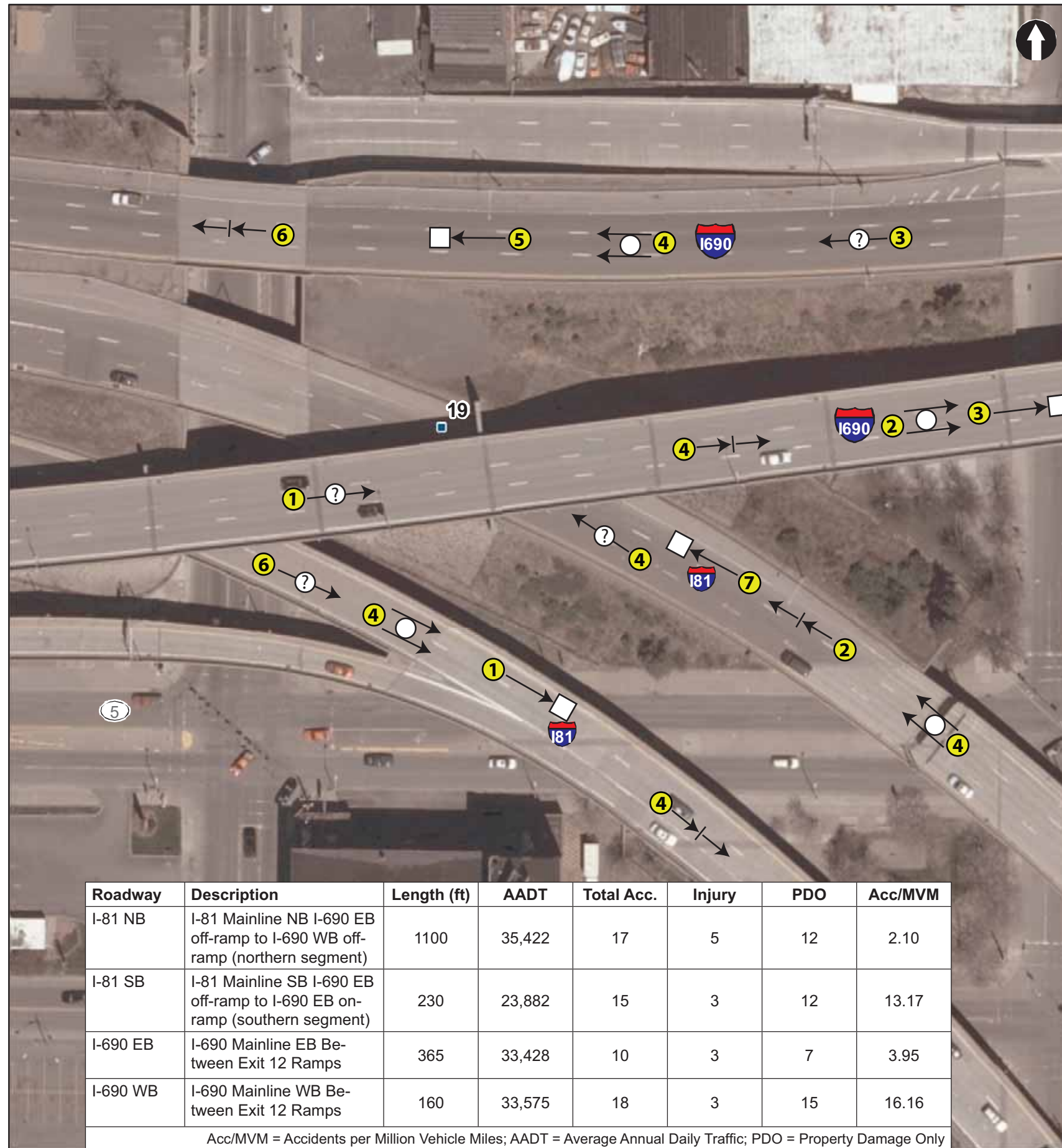
	Fixed Object
	Unknown
	Moving object
	Overtaking
	Overturned
	Rear end
	Right angle
	Sideswipe
	# of accidents

DRAFT

0 50 100 150 Feet

SHEET 8





Roadway	Description	Length (ft)	AADT	Total Acc.	Injury	PDO	Acc/MVM
I-81 NB	I-81 Mainline NB I-690 EB off-ramp to I-690 WB off-ramp (northern segment)	1100	35,422	17	5	12	2.10
I-81 SB	I-81 Mainline SB I-690 EB off-ramp to I-690 EB on-ramp (southern segment)	230	23,882	15	3	12	13.17
I-690 EB	I-690 Mainline EB Between Exit 12 Ramps	365	33,428	10	3	7	3.95
I-690 WB	I-690 Mainline WB Between Exit 12 Ramps	160	33,575	18	3	15	16.16

Acc/MVM = Accidents per Million Vehicle Miles; AADT = Average Annual Daily Traffic; PDO = Property Damage Only

Interstate 81 Corridor Assessment

Accident Experience
Feb. 1, 2006 – Jan. 31, 2009

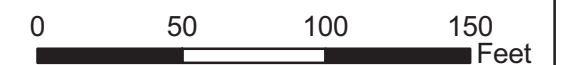
Legend

- 16 Exit Numbers
- Half Mile Study Area

Collision Type

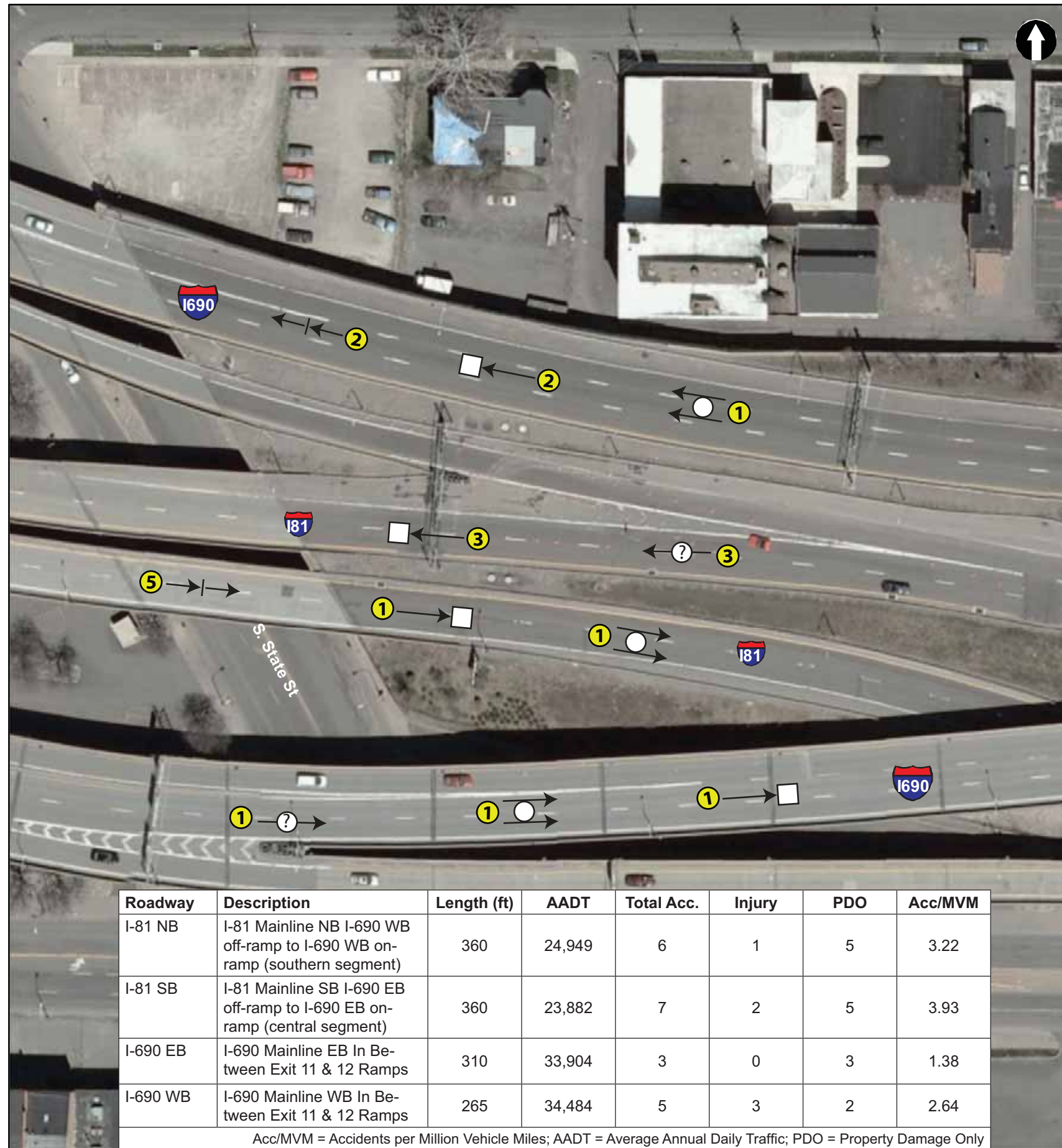
	Fixed Object
	Unknown
	Moving object
	Overtaking
	Overturned
	Rear end
	Right angle
	Sideswipe
	# of accidents

DRAFT



SHEET 9





Roadway	Description	Length (ft)	AADT	Total Acc.	Injury	PDO	Acc/MVM
I-81 NB	I-81 Mainline NB I-690 WB off-ramp to I-690 WB on-ramp (southern segment)	360	24,949	6	1	5	3.22
I-81 SB	I-81 Mainline SB I-690 EB off-ramp to I-690 EB on-ramp (central segment)	360	23,882	7	2	5	3.93
I-690 EB	I-690 Mainline EB In Between Exit 11 & 12 Ramps	310	33,904	3	0	3	1.38
I-690 WB	I-690 Mainline WB In Between Exit 11 & 12 Ramps	265	34,484	5	3	2	2.64

Acc/MVM = Accidents per Million Vehicle Miles; AADT = Average Annual Daily Traffic; PDO = Property Damage Only

Interstate 81 Corridor Assessment

Accident Experience

Feb. 1, 2006 – Jan. 31, 2009

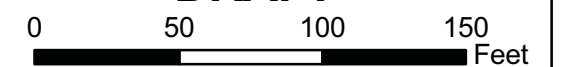
Legend

- 16 Exit Numbers
- Half Mile Study Area

Collision Type

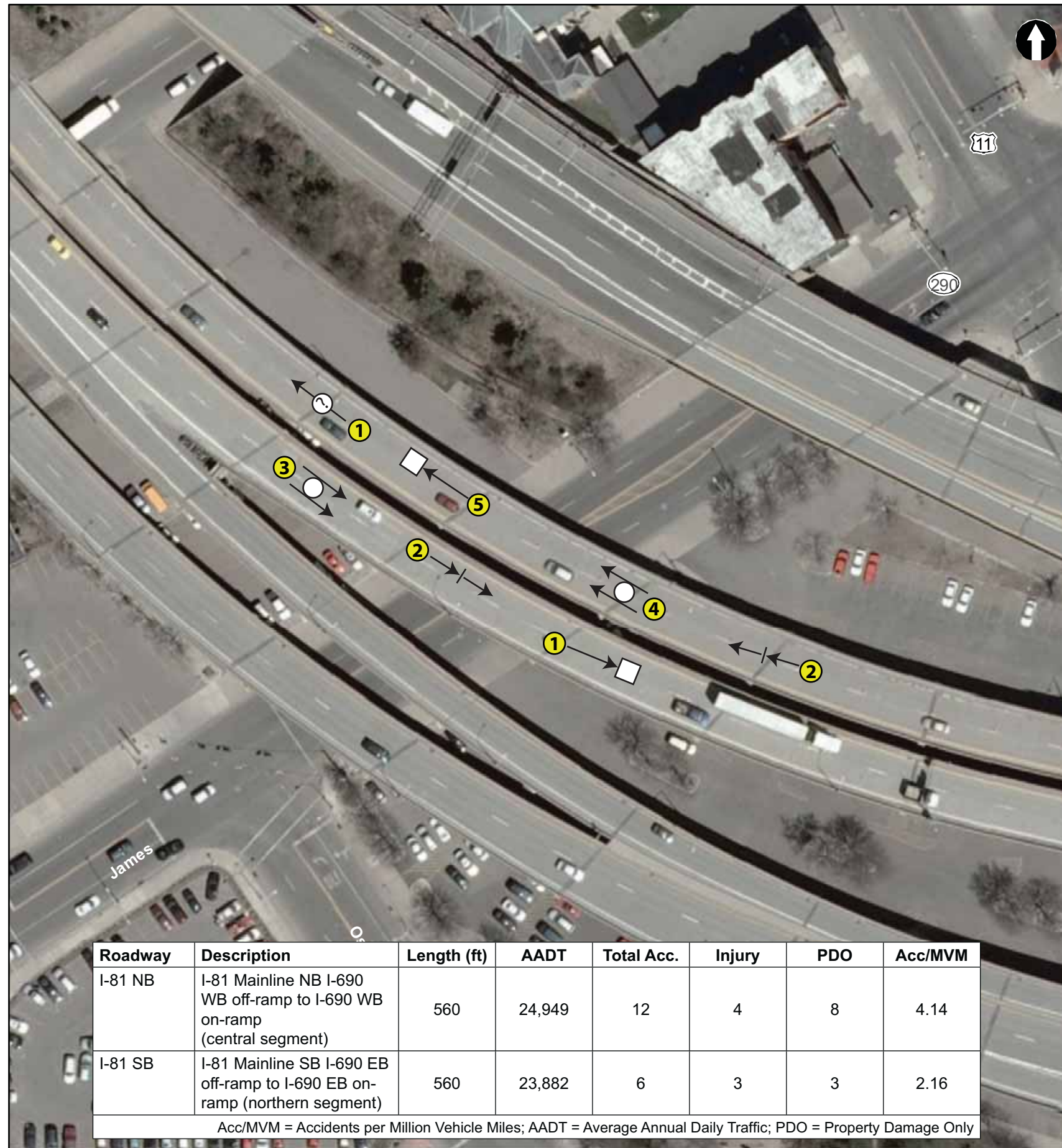
	Fixed Object
	Unknown
	Moving object
	Overtaking
	Overturned
	Rear end
	Right angle
	Sideswipe
	# of accidents

DRAFT



SHEET 10





Roadway	Description	Length (ft)	AADT	Total Acc.	Injury	PDO	Acc/MVM
I-81 NB	I-81 Mainline NB I-690 WB off-ramp to I-690 WB on-ramp (central segment)	560	24,949	12	4	8	4.14
I-81 SB	I-81 Mainline SB I-690 EB off-ramp to I-690 EB on-ramp (northern segment)	560	23,882	6	3	3	2.16

Acc/MVM = Accidents per Million Vehicle Miles; AADT = Average Annual Daily Traffic; PDO = Property Damage Only

Interstate 81 Corridor Assessment

Accident Experience
Feb. 1, 2006 – Jan. 31, 2009

Legend

- 16 Exit Numbers
- Half Mile Study Area

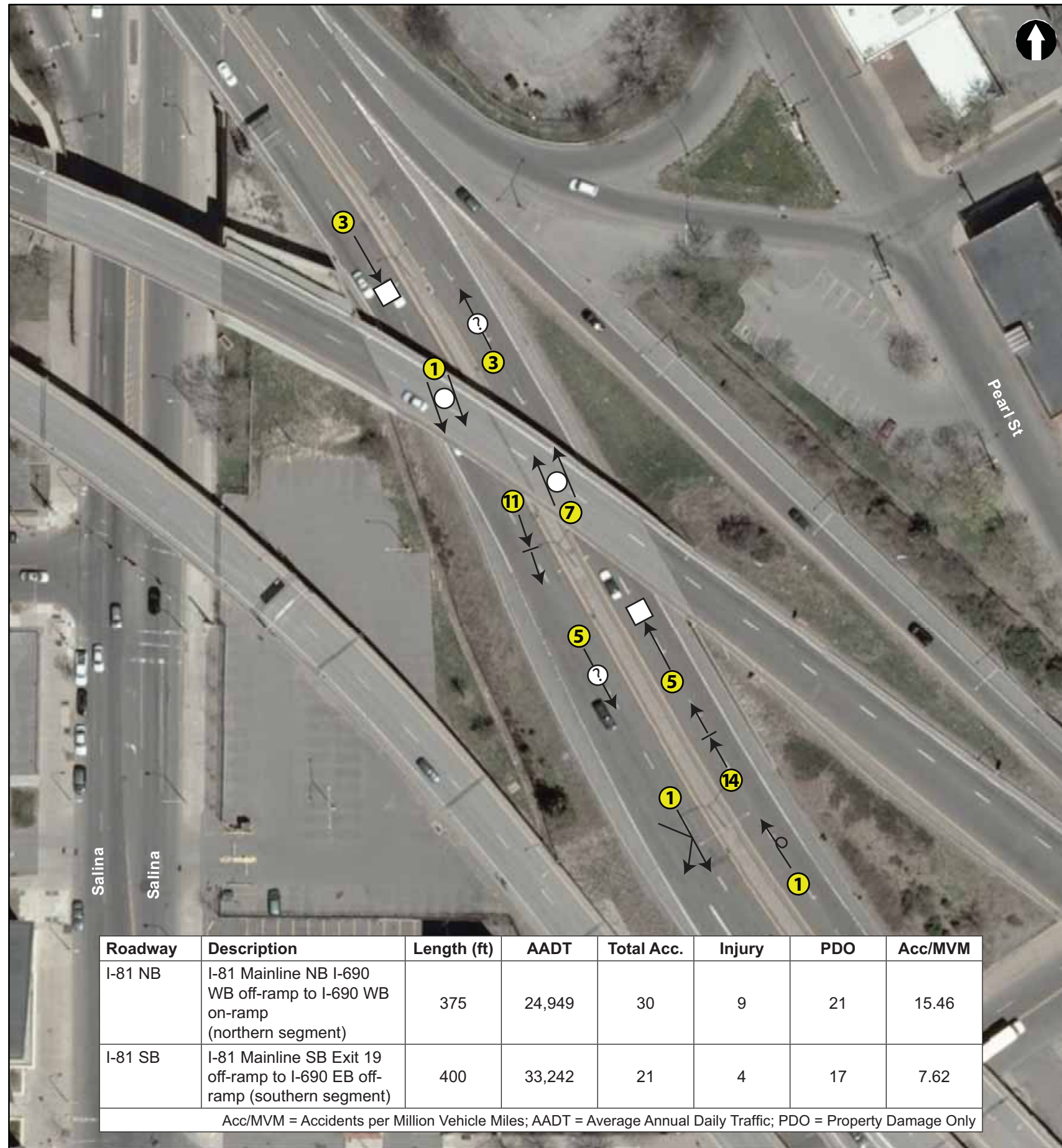
Collision Type

	Fixed Object
	Unknown
	Moving object
	Overtaking
	Overturned
	Rear end
	Right angle
	Sideswipe
	# of accidents

DRAFT
0 50 100 150 Feet

SHEET 11





Roadway	Description	Length (ft)	AADT	Total Acc.	Injury	PDO	Acc/MVM
I-81 NB	I-81 Mainline NB I-690 WB off-ramp to I-690 WB on-ramp (northern segment)	375	24,949	30	9	21	15.46
I-81 SB	I-81 Mainline SB Exit 19 off-ramp to I-690 EB off-ramp (southern segment)	400	33,242	21	4	17	7.62

Acc/MVM = Accidents per Million Vehicle Miles; AADT = Average Annual Daily Traffic; PDO = Property Damage Only

Interstate 81 Corridor Assessment

Accident Experience

Feb. 1, 2006 – Jan. 31, 2009

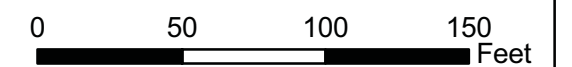
Legend

- 16 Exit Numbers
- Half Mile Study Area

Collision Type

	Fixed Object
	Unknown
	Moving object
	Overtaking
	Overturned
	Rear end
	Right angle
	Sideswipe
	# of accidents

DRAFT



SHEET 12



Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline NB E. Colvin on-ramp to Exit 18 (southern segment) [Sheet 1]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
31880458	07/22/06	Inj.	Rear End	Other Motor Vehicle	Daylight	Wet	Snow	Curve and Grade	NB Vehicle Going Straight Ahead : Following Too Closely / Pavement Slippery ; NB Vehicle Slowing or Stopping
32046948	01/07/07	Inj.	Other/Unknown	Other Motor Vehicle	Dark - Road Lighted	Dry	Snow	Curve and Grade	NB Veh Changing Lanes : Unsafe Speed /Lane Chang ; NB Veh Going Straight: NB Veh Slowing: NB Veh Slowing;NB Veh Slowing
32077517	01/29/07	Inj.	Other/Unknown	Other Motor Vehicle	Dark - Road Lighted	Snow/Ice	Clear	Curve and Level	NB Vehicle Going Straight Ahead : Pavement Slippery ; NB Vehicle Going Straight Ahead
32143154	04/01/07	Inj.	Rear End	Other Motor Vehicle	Daylight	Wet	Snow	Straight and Grade	NB Vehicle Going Straight Ahead : Alcohol Involvement / Pavement Slippery ; NB Vehicle Going Straight Ahead
32600615	05/16/08	PDO	Moving Object	Deer	Daylight	Dry	Rain	Straight and Level	NB Vehicle Going Straight Ahead : Animal's Action
32821786	11/30/08	PDO	Fixed Object	Median - Not At End	Daylight	Snow/Ice	Clear	Straight and Level	NB Veh Going Straight: Unsafe Speed /Driver Inattention; NB Veh Going Straight: Driver Inattention/Driver Inattention ;

Collision Type	Count	Percent	Potential Countermeasure
Other/Unknown	2	33%	Reduce Speed Limits
Rear End	2	33%	Reduce Speed Limits; Improve skid resistance; check superelevation
Fixed Object	1	17%	Improve skid resistance; improve lighting; check superelevation
Moving Object	1	17%	Install deer crossing warning signage

Contributing Factor	Percent
Pavement Slippery	23%
Driver Inattention/Distracted	23%
Following Too Closely	15%
Unsafe Speed	15%
Alcohol Involvement	8%
Unsafe Lane Changing	8%
Animal's Action	8%

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline SB Almond St on-ramp to Exit 17 (southern segment) - [Sheet 1]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
32205211	03/08/07	PDO	Overtaking	Other Motor Vehicle	Daylight	Wet	Clear	Straight and Grade	SB Vehicle Going Straight Ahead : Driver Inattention/Distracted ; SB Vehicle Going Straight Ahead
32423571	12/13/07	PDO	Fixed Object	Median - Not At End	Daylight	Snow/Ice	Clear	Straight and Level	SB Vehicle Going Straight Ahead : Unsafe Speed / Pavement Slippery

Collision Type	Count	Percent	Potential Countermeasure
Fixed Object	1	50%	Improve skid resistance; improve lighting; check superelevation
Overtaking	1	50%	Install raised/reflectorized pavement markings

Contributing Factor	Percent
Driver Inattention/Distracted	33%
Unsafe Speed	33%
Pavement Slippery	33%

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline NB E. Colvin on-ramp to Exit 18 (northern segment) [Sheet 2]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
32354526	09/21/07	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Sleet/Freezing Rain	Curve and Grade	NB Vehicle Going Straight Ahead: Following Too Closely / Unsafe Speed; NB Vehicle Stopped in Traffic
32404797	11/26/07	Inj.	Fixed Object	Median - Not At End	Daylight	Wet	Rain	Straight and Level	NB Vehicle Going Straight Ahead: Unsafe Speed
32528970	03/12/08	PDO	Fixed Object	Barrier	Daylight	Dry	Clear	Straight and Grade	NB Vehicle Merging: Unsafe Lane Changing
32536773	03/19/08	Inj.	Rear End	Other Motor Vehicle	Daylight	Wet	Clear	Straight and Level	NB Vehicle Changing Lanes: Following Too Closely / Unsafe Lane Changing ; NB Vehicle Stopped in Traffic
32575140	04/21/08	PDO	Overtaking	Other Motor Vehicle	Dark - Road Lighted	Dry	Clear	Straight and Level	NB Vehicle Going Straight Ahead: NB Vehicle Going Straight Ahead : Unsafe Lane Changing ;
32609289	05/20/08	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	NB Vehicle Going Straight Ahead: NB Vehicle Changing Lanes : Unsafe Lane Changing ;
32825141	11/24/08	Inj.	Overtaking	Other Motor Vehicle	Daylight	Dry	Snow	Straight and Level	NB Vehicle Going Straight Ahead: Reaction to Other Uninvolved Vehicle ; NB Vehicle Changing Lanes
32849464	12/22/08	PDO	Fixed Object	Median - Not At End	Dark - Road Lighted	Snow/Ice	Snow	Straight and Level	NB Vehicle Slowing or Stopping: Unsafe Speed / Pavement Slippery
32849676	12/22/08	PDO	Fixed Object	Median - Not At End	Dark - Road Lighted	Snow/Ice	Snow	Curve and Level	NB Vehicle Going Straight Ahead: Unsafe Speed / Pavement Slippery

Collision Type	Count	Percent	Potential Countermeasure
Fixed Object	4	44%	Improve skid resistance; improve lighting; check superelevation
Overtaking	3	33%	Install raised/reflectorized pavement markings
Rear End	2	22%	Reduce Speed Limits; Improve skid resistance; check superelevation

Contributing Factor	Percent
Unsafe Lane Changing	31%
Unsafe Speed	31%
Pavement Slippery	15%
Following Too Closely	15%
Reaction to Other Uninvolved Vehicle	8%

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline SB Almond St on-ramp to Exit 17 (northern segment) [Sheet 2]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
31896239	08/13/06	Inj.	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	SB Vehicle Changing Lanes: Unsafe Lane Chang/Aggressive Driving; SB Veh Going Straight
31993292	10/28/06	PDO	Fixed Object	Guide Rail - Not At End	Daylight	Wet	Clear	Straight and Level	SB Vehicle Going Straight: Pavement Slippery
32442292	12/13/07	Inj.	Fixed Object	Barrier	Dark - Road Lighted	Wet	Clear	Straight and Grade	SB Vehicle Going Straight: Reaction to Other Uninvolved Veh

Collision Type	Count	Pct	Potential Countermeasure
Fixed Object	2	40%	Improve skid resistance; improve lighting; check superelevation
Rear End	1	20%	Reduce Speed Limits; Improve skid resistance; check superelevation

Contributing Factor	Pct
Pavement Slippery	25%
Unsafe Lane Changing	25%
Reaction to Other Uninvolved Vehicle	25%
Aggressive Driving/Road Rage	25%

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline NB Exit 18 to Almond Street on-ramp (southern segment) [Sheet 3]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
31795986	04/30/06	Inj.	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	NB Vehicle Going Straight Ahead: Unsafe Speed; NB Vehicle Slowing or Stopping
31801244	05/13/06	Inj.	Fixed Object	Guide Rail - Not End	Daylight	Wet	Cloudy	Curve and Level	NB Vehicle Going Straight Ahead
31828811	06/19/06	PDO	Fixed Object	Guide Rail - Not End	Unknown	Unknown	Snow	Curve and Grade	Unknown Dir. Backing
31898821	08/13/06	PDO	Fixed Object	Median - Not End	Daylight	Wet	Cloudy	Straight and Level	NB Vehicle Going Straight Ahead: Tire Failure/Inadequate
31906763	09/11/06	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	NB Vehicle Merging: Driver Inattention/Distracted; NB Vehicle Stopped in Traffic
32026010	12/09/06	Inj.	Overtaking	Other Motor Vehicle	Daylight	Dry	Cloudy	Straight and Level	NB Vehicle Going Straight Ahead: Reaction to Other Uninvolved Vehicle; NB Vehicle Going Straight
32069357	01/29/07	Inj.	Fixed Object	Barrier	Daylight	Snow/Ice	Clear	Straight and Level	NB Vehicle Going Straight Ahead: Unsafe Speed/Pavement Slippery
32080602	01/09/07	PDO	Other/Unknown	Other Motor Vehicle	Daylight	Snow/Ice	Clear	Straight and Level	NB Vehicle Going Straight Ahead: Driver Inexperience/Pavement Slippery ; NB Vehicle Going Straight
32098135	01/30/07	PDO	Fixed Object	Median - Not End	Dark - Rd Unlighted	Snow/Ice	Rain	Straight and Level	NB Vehicle Going Straight Ahead: Pavement Slippery ; NB Vehicle Going Straight Ahead
32100200	02/13/07	PDO	Other/Unknown	Other Object	Dark - Rd Lighted	Snow/Ice	Cloudy	Straight and Level	NB Vehicle Going Straight Ahead
32100914	02/09/07	PDO	Rear End	Other Motor Vehicle	Dark - Rd Lighted	Snow/Ice	Rain	Straight and Level	NB Veh Going Straight: Pavement Slippery; NB Veh Going Straight: Reaction to Other Vehicle/Pavement Slippery;
32103452	02/17/07	Inj.	Rear End	Other Motor Vehicle	Dark - Rd Lighted	Slush	Clear	Straight and Level	NB Veh Changing Lanes: Pavement Slippery; NB Veh Going Straight Ahead: Pavement Slippery/Following Too Closely;
32131852	03/07/07	PDO	Rear End	Other Motor Vehicle	Unknown	Unknown	Freezing Rain	Straight and Level	Unknown
32205213	05/08/07	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Cloudy	Straight and Level	NB Vehicle Passing: Passing or Lane Usage Improper; NB Vehicle Stopped in Traffic
32237865	06/17/07	Inj.	Other/Unknown	Other/Unknown	Dark - Rd Lighted	Wet	Snow	Straight and Level	NB Vehicle Going Straight Ahead: Driver Inattention/Distracted
32243418	07/04/07	PDO	Other/Unknown	Other/Unknown	Daylight	Dry	Rain	Curve at Hillcrest	NB Vehicle Going Straight Ahead: Tow Hitch Defective
32284884	08/03/07	PDO	Overtaking	Other Motor Vehicle	Dark - Rd Lighted	Dry	Clear	Straight and Grade	NB Vehicle Changing Lanes: Passing or Lane Usage Improper; NB Vehicle Going Straight Ahead
32318411	08/05/07	Inj.	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Sleet/F Rain	Straight and Level	NB Veh Going Straight: Driver Inattention/Following Too Closely; NB Veh Slowing: NB Veh Slowing
32389758	11/04/07	PDO	Overtaking	Other Motor Vehicle	Daylight	Wet	Clear	Straight and Level	NB Vehicle Going Straight Ahead: Unsafe Speed / Pavement Slippery; NB Vehicle Going Straight
32411601	11/15/07	PDO	Fixed Object	Guide Rail - Not End	Daylight	Wet	Clear	Straight and Level	NB Vehicle Changing Lanes: Unsafe Lane Changing
32560557	04/11/08	PDO	Fixed Object	Median - Not End	Daylight	Wet	Clear	Straight and Level	NB Vehicle Going Straight Ahead: Unsafe Speed / Following Too Closely; NB Vehicle Going Straight
32640156	06/21/08	Inj.	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	NB Vehicle Changing Lanes: Unsafe Lane Changing/Driver Inexperience; NB Vehicle Going Straight
32775657	07/24/08	PDO	Fixed Object	Median - Not End	Daylight	Wet	Clear	Straight and Level	NB Vehicle Going Straight Ahead : Tire Failure/Inadequate
32838853	12/11/08	Inj.	Fixed Object	Guide Rail - Not End	Dark - Rd Lighted	Snow/Ice	Rain	Straight and Level	NB Vehicle Going Straight Ahead : Unsafe Speed / Pavement Slippery

Collision Type	Count	Pct	Potential Countermeasure
Fixed Object	9	38%	Improve skid resistance; improve lighting; check superelevation
Other/Unknown	7	29%	Reduce Speed Limits
Overtaking	4	17%	Install raised/reflectorized pavement markings
Rear End	4	17%	Reduce Speed Limits; Improve skid resistance; check superelevation

Contributing Factor	Pct	Contributing Factor	Pct
Pavement Slippery	29%	Reaction to Other Uninvolved Vehicle	6%
Unsafe Speed	16%	Driver Inexperience	6%
Driver Inattention/Distracted	10%	Passing or Lane Usage Improper	6%
Following Too Closely	10%	Tire Failure/Inadequate	6%
Unsafe Lane Changing	6%	Tow Hitch Defective	3%

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline SB on-ramp 23A to on-ramp 23B (southern segment) [Sheet 3]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
31879942	07/25/06	PDO	Fixed Object	Guide Rail - Not At End	Dusk	Wet	Clear	Straight and Level	SB Vehicle Going Straight: Pavement Slippery
31950530	09/23/06	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Clear	Curve and Level	SB Vehicle Going Straight: Driver Inattention/Distracted; SB Vehicle Stopped in Traffic
32029151	12/11/06	Inj.	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Cloudy	Straight and Level	SB Veh Going Straight: Driver Inattention/Following Too Closely; SB Veh Going Straight: NB Veh Going Straight
32070852	01/22/07	PDO	Overtaking	Other Motor Vehicle	Dark - Rd Unlighted	Wet	Rain	Straight and Level	SB Vehicle Going Straight: Unsafe Lane Changing ; SB Vehicle Merging
32100905	02/09/07	PDO	Fixed Object	Guide Rail - Not At End	Daylight	Snow/Ice	Rain	Curve and Level	SB Vehicle Going Straight: Pavement Slippery
32118103	01/29/07	Inj.	Other/Unknown	Other Motor Vehicle	Daylight	Snow/Ice	Snow	Curve and Level	SB Vehicle Going Straight: Unsafe Speed/Pavement Slippery; SB Vehicle Going Straight: SB Vehicle Going Straight
32237862	06/18/07	Inj.	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	SB Veh Stopped; SB Veh Stopped: Reaction to Other Veh; SB Veh Slowing: Driver Inattention; SB Veh Slowing
32263782	07/16/07	Inj.	Rear End	Other Motor Vehicle	Daylight	Dry	Cloudy	Straight and Level	SB Vehicle Going Straight: Driver Inattention/Distracted; SB Vehicle Slowing or Stopping
32432669	12/20/07	PDO	Other/Unknown	Other Object (Not Fixed)	Daylight	Wet	Clear	Straight and Level	SB Vehicle Going Straight: Obstruction/Debris
32703288	08/18/08	PDO	Other/Unknown	Other/Unknown	Dark - Rd Lighted	Dry	Cloudy	Straight and Level	SB Vehicle Avoiding Object in Roadway: Reaction to Other Uninvolved Vehicle
32766348	09/18/08	PDO	Overtaking	Other Motor Vehicle	Dark - Rd Lighted	Dry	Clear	Straight and Level	SB Vehicle Going Straight: Passing or Lane Usage Improper; SB Vehicle Going Straight
32830408	12/07/08	PDO	Fixed Object	Guide Rail - Not At End	Daylight	Slush	Cloudy	Straight and Level	SE Vehicle Going Straight: Unsafe Speed / Pavement Slippery
32873640	01/10/09	Inj.	Fixed Object	Median - Not At End	Dark - Rd Lighted	Snow/Ice	Clear	Straight and Level	SB Veh Slowing or Stopping: Unsafe Speed/Pavement Slippery; SB Veh Going Straight: Unsafe Speed/Pavement Slippery;

Collision Type	Count	Pct	Potential Countermeasure
Other/Unknown	5	38%	Reduce Speed Limits
Fixed Object	4	31%	Improve skid resistance; improve lighting; check superelevation
Overtaking	3	23%	Install raised/reflectorized pavement markings
Rear End	1	8%	Reduce Speed Limits; Improve skid resistance; check superelevation

Contributing Factor	Pct
Pavement Slippery	29%
Driver Inattention/Distracted	19%
Unsafe Speed	19%
Reaction to Other Uninvolved Vehicle	10%
Following Too Closely	5%
Passing or Lane Usage Improper	5%
Unsafe Lane Changing	5%
Other Vehicular	5%
Obstruction/Debris	5%

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline NB Exit 18 to Almond Street on-ramp (south central segment) [Sheet 4]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
31925816	10/03/06	Inj.	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Grade	NB Veh Going Straight: Unsafe Speed/Unsafe Lane Changing; NB Veh Stopped in Traffic: NB Vehi Stopped in Traffic
32267497	07/15/07	Inj.	Overtaking	Other Motor Vehicle	Dark - Rd Lighted	Dry	Cloudy	Straight and Level	NB Vehicle Changing Lanes: Unsafe Lane Changing; NB Vehicle Going Straight
32362698	10/09/07	PDO	Fixed Object	Median – Not End	Daylight	Wet	Clear	Straight and Level	NB Vehicle Going Straight: Pavement Slippery; NB Vehicle Going Straight: Pavement Slippery;
32377848	10/19/07	PDO	Fixed Object	Barrier	Daylight	Wet	Rain	Curve and Level	NB Vehicle Going Straight: Driver Inexperience/Pavement Slippery
32417970	12/02/07	PDO	Fixed Object	Guide Rail - Not End	Dark - Rd Lighted	Snow/Ice	Clear	Straight and Level	NB Vehicle Going Straight: Unsafe Speed
32427061	12/14/07	Inj.	Rear End	Other Motor Vehicle	Dark - Rd Lighted	Wet	Clear	Curve and Level	NB Vehicle Slowing or Stopping: Following Too Closely / Pavement Slippery; NB Vehicle Going Straight
32504367	02/19/08	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	NB Vehicle Going Straight: Passing or Lane Usage Improper; NB Vehicle Going Straight
32513409	02/28/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	NB Vehicle Going Straight: Following Too Closely; NB Vehicle Slowing or Stopping
32514191	02/01/08	PDO	Fixed Object	Guide Rail - Not End	Daylight	Snow/Ice	Clear	Straight and Level	NB Vehicle Going Straight: Pavement Slippery
32521831	03/03/08	PDO	Fixed Object	Median - Not At End	Daylight	Wet	Clear	Straight and Level	NB Vehicle Going Straight: Obstruction/Debris
32685088	08/03/08	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	NB Vehicle Changing Lanes: Passing or Lane Usage Improper / Unsafe Speed ; NB Vehicle Going Straight
32776936	10/21/08	Inj.	Overtaking	Other Motor Vehicle	Daylight	Wet	Rain	Straight and Level	NB Vehicle Changing Lanes: Driver Inattention/Distracted/Unsafe Lane Changing; NB Vehicle Going Straight
32861585	01/01/09	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Rain	Straight and Level	NB Veh Going Straight: Passing or Lane Usage Improper; NB Veh Going Straight: Passing or Lane Usage Improper;
32874831	01/09/09	Inj.	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	NB Vehicle Going Straight: Following Too Closely/Driver Inattention/Distracted; NB Vehicle Slowing or Stopping
32877304	11/21/08	PDO	Rear End	Other Motor Vehicle	Unknown	Snow/Ice	Rain	Curve and Grade	NB Vehicle Slowing or Stopping: NB Vehicle Slowing or Stopping
32914465	02/17/08	PDO	Rear End	Other Object	Daylight	Wet	Cloudy	Curve and Level	NB Vehicle Going Straight: Obstruction/Debris; NB Vehicle Going Straight

Collision Type	Count	Pct	Potential Countermeasure
Rear End	5	31%	Reduce Speed Limits; Improve skid resistance; check superelevation
Fixed Object	5	31%	Improve skid resistance; improve lighting; check superelevation
Overtaking	5	31%	Install raised/reflectORIZED pavement markings
Other/Unknown	1	6%	Reduce Speed Limits

Contributing Factor	Pct	Contributing Factor	Pct
Pavement Slippery	22%	Unsafe Lane Changing	13%
Passing or Lane Usage Improper	17%	Driver Inattention/Distracted	9%
Following Too Closely	13%	Obstruction/Debris	9%
Unsafe Speed	13%	Driver Inexperience	4%

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline SB on-ramp 23A to on-ramp 23B (south central segment) [Sheet 4]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
32374737	11/01/07	PDO	Other/Unknown	Other Motor Vehicle	Dark - Rd Lighted	Wet	Clear	Straight and Level	SB Veh Stopped in Traffic: Traffic Control Disregarded/Passing or Lane Usage Improper; SB Veh Slowing: Following Too Closely; SB Veh Slowing: Following Too Closely; SB Veh Slowing: Following Too Closely
32434093	12/03/07	PDO	Rear End	Other Motor Vehicle	Daylight	Snow/Ice	Clear	Straight and Level	SB Vehicle Going Straight: Other Vehicular; SB Vehicle Going Straight
32450523	12/08/07	PDO	Overtaking	Other Motor Vehicle	Unknown	Unknown	Snow	Straight and Level	Unknown
32495821	02/13/08	PDO	Fixed Object	Median - Not At End	Daylight	Wet	Cloudy	Straight and Level	SB Vehicle Going Straight: Following Too Closely / Pavement Slippery
32653759	07/02/08	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Sleet/F Rain	Straight and Level	SB Vehicle Merging: Passing or Lane Usage Improper; SB Vehicle Going Straight
32730074	09/16/08	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	SB Veh Merging: Passing or Lane Usage Improper; SB Veh Merging: Passing or Lane Usage Improper ;
32764520	10/14/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Cloudy	Straight and Level	SB Vehicle Going Straight: Driver Inattention/Following Too Closely; SB Veh Going Straight
32830968	12/08/08	PDO	Other/Unknown	Other Motor Vehicle	Dawn	Slush	Clear	Straight and Level	SB Vehicle Going Straight: Driver Inattention/Distracted; SB Vehicle Going Straight
32882856	01/18/09	PDO	Right Angle	Other Motor Vehicle	Dark - Rd Lighted	Snow/Ice	Clear	Curve and Level	SB Vehicle Changing Lanes: Unsafe Lane Changing; SB Vehicle Going Straight

Collision Type	Count	Pct	Potential Countermeasure
Rear End	3	33%	Reduce Speed Limits; Improve skid resistance; check superelevation
Overtaking	3	33%	Install raised/reflectORIZED pavement markings
Other/Unknown	2	22%	Reduce Speed Limits
Fixed Object	1	11%	Improve skid resistance; improve lighting; check superelevation

Contributing Factor	Pct	Contributing Factor	Pct
Following Too Closely	33%	Unsafe Lane Changing	7%
Passing or Lane Usage Improper	27%	Other Vehicular	7%
Driver Inattention/Distracted	13%	Pavement Slippery	7%
Traffic Control Disregarded	7%		

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline NB Exit 18 to Almond Street on-ramp (north central segment) [Sheet 5]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
31948207	08/16/06	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	NB Vehicle Going Straight: Following Too Closely; NB Vehicle Going Straight
32090753	02/01/07	Inj.	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	NB Veh Going Straight: Driver Inattention/Driver Inexperience; NB Vehicle Going Straight: NB Veh Going Straight
32096483	01/31/07	PDO	Rear End	Other Motor Vehicle	Daylight	Wet	Clear	Straight and Level	NB Vehicle Going Straight: Unsafe Lane Changing/Following Too Closely; NB Vehicle Going Straight
32107426	02/21/07	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	NB Vehicle Going Straight: Other Vehicular; NB Vehicle Going Straight: Other Vehicular ;
32368890	10/22/07	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Cloudy	Straight and Level	NB Vehicle Going Straight: Following Too Closely; NB Vehicle Slowing or Stopping
32410700	12/02/07	PDO	Fixed Object	Guide Rail-Not End	Dark - Rd Lighted	Snow/Ice	Rain	Straight and Level	NB Vehicle Going Straight: Unsafe Speed/Pavement Slippery
32592885	05/08/08	PDO	Fixed Object	Median - Not End	Daylight	Dry	Cloudy	Straight and Level	NB Vehicle Going Straight: Unsafe Speed
32647555	06/29/08	PDO	Other/Unknown	Other/Unknown	Daylight	Wet	Cloudy	Straight and Grade	NB Vehicle Going Straight: Pavement Defective
32696445	08/08/08	Inj.	Other/Unknown	Other Motor Vehicle	Daylight	Wet	Rain	Straight and Level	NB Vehicle Going Straight: Following Too Closely; NB Vehicle Stopped in Traffic: NB Vehicle Stopped in Traffic
32785740	11/03/08	PDO	Rear End	Other Motor Vehicle	Dark - Rd Lighted	Dry	Clear	Straight and Level	NB Vehicle Going Straight: Driver Inattention/Distracted/Following Too Closely; NB Vehicle Slowing or Stopping
32843682	12/18/08	PDO	Overtaking	Other Motor Vehicle	Dark - Rd Lighted	Dry	Clear	Straight and Level	NB Vehicle Going Straight: Reaction to Other Uninvolved Vehicle; NB Vehicle Going Straight
32848544	12/18/08	Inj.	Other/Unknown	Other Motor Vehicle	Dark - Rd Lighted	Dry	Clear	Straight and Level	NB Veh Going Straight: Following Too Closely/Failure Yield ROW; NB Veh Slowing: Reaction to Other Veh; NB Veh Going Straight

Collision Type	Count	Pct	Potential Countermeasure
Rear End	4	33%	Reduce Speed Limits; Improve skid resistance; check superelevation
Other/Unknown	4	33%	Reduce Speed Limits
Overtaking	2	17%	Install raised/reflectorized pavement markings
Fixed Object	2	17%	Improve skid resistance; improve lighting; check superelevation

Contributing Factor	Pct	Contributing Factor	Pct
Following Too Closely	32%	Unsafe Lane Changing	5%
Driver Inattention/Distracted	11%	Driver Inexperience	5%
Unsafe Speed	11%	Pavement Slippery	5%
Reaction to Other Uninvolved Vehicle	11%	Failure to Yield Right-of-Way	5%
Other Vehicular	11%	Pavement Defective	5%

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline SB on-ramp 23A to on-ramp 23B (north central segment) [Sheet 5]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
32065188	12/18/06	Inj.	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Cloudy	Straight and Level	SB Vehicle Changing Lanes: View Obstructed/Limited; SB Vehicle Going Straight
32341586	09/30/07	Inj.	Fixed Object	Sign Post	Dark - Road Lighted	Dry	Rain	Straight and Grade	SB Vehicle Going Straight: Driver Inattention/Distracted/Other Electronic Device
32363662	10/02/07	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Rain	Straight and Grade	SW Vehicle Going Straight: Following Too Closely/ Driver Inattention/Distracted; SW Vehicle Stopped in Traffic
32405007	11/26/07	PDO	Overtaking	Other Motor Vehicle	Daylight	Wet	Clear	Straight and Grade	SB Vehicle Going Straight: Reaction to Other Uninvolved Vehicle/Unsafe Lane Changing; SB Vehicle Going Straight
32451937	01/04/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	SB Vehicle Going Straight: Following Too Closely/Driver Inattention/Distracted; SB Vehicle Stopped in Traffic
32699655	05/20/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Cloudy	Straight and Level	SB Vehicle Other: SB Vehicle Going Straight: Driver Inattention/Distracted;
32703945	08/20/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	SB Vehicle Slowing or Stopping: Following Too Closely; SB Vehicle Slowing or Stopping
32878945	01/10/09	Inj.	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Curve and Grade	SB Vehicle Going Straight: Following Too Closely; SB Vehicle Slowing or Stopping
32885650	01/22/09	PDO	Overtaking	Other Motor Vehicle	Dark - Road Lighted	Wet	Clear	Straight and Level	SB Vehicle Going Straight: Passing or Lane Usage Improper; SB Vehicle Going Straight
32901311	12/02/08	PDO	Overtaking	Other Motor Vehicle	Dusk	Dry	Clear	Straight and Level	SB Vehicle Going Straight: SB Vehicle Merging: Failure to Yield Right-of-Way/Unsafe Lane Changing;

Collision Type	Count	Pct	Potential Countermeasure
Rear End	5	50%	Reduce Speed Limits; Improve skid resistance; check superelevation
Overtaking	3	30%	Install raised/reflectorized pavement markings
Fixed Object	1	10%	Improve skid resistance; improve lighting; check superelevation
Other/Unknown	1	10%	Reduce Speed Limits

Contributing Factor	Pct
Driver Inattention/Distracted	27%
Following Too Closely	27%
Unsafe Lane Changing	13%
Failure to Yield Right-of-Way	7%
Passing or Lane Usage Improper	7%
Othe Electronic Device	7%
Reaction to Other Uninvolved Vehicle	7%
View Obstructed/Limited	7%

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline NB Exit 18 to Almond Street on-ramp (northern segment) [Sheet 6]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
31810398	05/02/06	PDO	Rear End	Other Motor Vehicle	Unknown	Dry	Clear	Straight and Level	NB Vehicle Starting in Traffic: NB Vehicle Stopped in Traffic
31826776	02/26/06	PDO	Rear End	Other Motor Vehicle	Unknown	Unknown	Cloudy	Straight and Level	Unknown
31880003	07/29/06	Inj.	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	NB Veh Going Straight: Driver Inattention; NB Veh Slowing: NB Veh Stopped in Traffic: NB Veh Stopped in Traffic
31881191	08/02/06	PDO	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Cloudy	Straight and Level	NB Veh Stopped in Traffic: Other Vehicular; NB Veh Going Straight: NB Veh Going Straight: NB Veh Going Straight
31939952	10/04/06	PDO	Overtaking	Other Motor Vehicle	Daylight	Wet	Clear	Curve and Level	NB Veh Going Straight: Driver Inattention/Distracted/Passing or Lane Usage Improper; NB Veh Going Straight
32045982	01/03/07	Inj.	Rear End	Other Motor Vehicle	Dark-Rd Lighted	Dry	Rain	Straight and Grade	NB Veh Going Straight: Following Too Closely; NB Veh Slowing or Stopping: Reaction to Other Uninvolved Veh;
32054661	01/10/07	PDO	Sideswipe	Other Motor Vehicle	Daylight	Snow/Ice	Snow	Straight and Level	NB Vehicle Going Straight: NB Vehicle Merging
32088586	02/19/07	PDO	Fixed Object	Guide Rail -Not End	Daylight	Snow/Ice	Clear	Straight and Level	NB Vehicle Going Straight: Unsafe Speed/Pavement Slippery; NB Vehicle Going Straight: Unsafe Speed/Pavement Slippery;
32103299	02/19/07	PDO	Fixed Object	Guide Rail -Not End	Dawn	Snow/Ice	Rain	Curve and Grade	NB Vehicle Avoiding Object in Roadway: Reaction to Other Uninvolved Vehicle/p avement Slippery
32186564	05/04/07	Inj.	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Snow	Straight and Level	NB Veh Going Straight: Driver Inattention/Following Too Closely; NB Veh Slowing/Stopping: NB Veh Stopped in Traffic
32194825	05/07/07	PDO	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Cloudy	Curve and Level	NB Vehicle Merging: Failure to Yield Right-of-Way/View Obstructed/Limited; NB Vehicle Going Straight
32284888	08/02/07	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	NB Vehicle Slowing or Stopping: Following Too Closely; NB Vehicle Slowing or Stopping
32465038	12/14/07	Inj.	Fixed Object	Bridge Structure	Dark-Rd Lighted	Snow/Ice	Cloudy	Straight and Level	NB Vehicle Going Straight
32570689	04/13/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Rain	Curve and Level	NB Vehicle Going Straight: Following Too Closely; NB Vehicle Going Straight
32764875	10/16/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Cloudy	Straight and Level	NB Vehicle Going Straight: Driver Inattention/Distracted; NB Vehicle Stopped in Traffic

Collision Type	Count	Pct	Potential Countermeasure
Rear End	6	40%	Reduce Speed Limits; Improve skid resistance; check superelevation
Other/Unknown	4	27%	Reduce Speed Limits
Fixed Object	3	20%	Improve skid resistance; improve lighting; check superelevation
Overtaking	1	7%	Install raised/reflectorized pavement markings
Sideswipe	1	7%	Driver inattention/unsafe operations

Contributing Factor	Pct	Contributing Factor	Pct
Pavement Slippery	20%	Reaction to Other Uninvolved Vehicle	8%
Driver Inattention/Distracted	16%	Passing or Lane Usage Improper	4%
Unsafe Speed	16%	Failure to Yield Right-of-Way	4%
Following Too Closely	16%	View Obstructed/Limited	4%
Other Vehicular	12%		

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline SB on-ramp 23A to on-ramp 23B (northern segment) [Sheet 6]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
31745249	04/03/06	PDO	Overtaking	Other Motor Vehicle	Daylight	Wet	Clear	Straight and Grade	SB Vehicle Going Straight: Driver Inattention/Distracted; SB Vehicle Going Straight
31994718	10/15/06	PDO	Other/Unknown	Other/Unknown	Daylight	Dry	Cloudy	Straight and Level	SB Vehicle Going Straight
32236860	06/21/07	Inj.	Overtaking	Other Motor Vehicle	Daylight	Dry	Snow	Straight and Level	SB Vehicle Going Straight: SB Vehicle Going Straight
32397405	11/08/07	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Cloudy	Curve and Level	SB Vehicle Going Straight: Following Too Closely; SB Vehicle Going Straight
32543936	03/25/08	PDO	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Cloudy	Straight and Grade	SB Veh Going Straight: Alcohol Involvement/Drugs (Illegal); SB Vehicle Going Straight: SB Veh Going Straight
32553545	04/01/08	PDO	Other/Unknown	Other Motor Vehicle	Daylight	Wet	Clear	Straight and Level	SB Veh Going Straight: Failure to Yield Right-of-Way/Passing or Lane Usage Improper; SB Veh Going Straight
32627875	06/11/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	SB Veh Starting in Traffic: View Obstructed/Limited; SB Veh Changing Lanes: Passing or Lane Usage Improper ;
32664006	07/15/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	SB Vehicle Going Straight: Following Too Closely; SB Vehicle Slowing or Stopping
32750688	10/02/08	Inj.	Fixed Object	Median - Not At End	Dark - Lighted	Wet	Clear	Curve and Level	SB Vehicle Going Straight: Reaction to Other Uninvolved Vehicle/Pavement Slippery
32880560	01/13/09	PDO	Rear End	Other Motor Vehicle	Dawn	Dry	Cloudy	Straight and Grade	SB Vehicle Going Straight: Following Too Closely; SB Vehicle Slowing or Stopping

Collision Type	Count	Pct	Potential Countermeasure
Rear End	4	40%	Reduce Speed Limits; Improve skid resistance; check superelevation
Other/Unknown	3	30%	Reduce Speed Limits
Overtaking	2	20%	Install raised/reflectorized pavement markings
Fixed Object	1	10%	Improve skid resistance; improve lighting; check superelevation

Contributing Factor	Pct	Contributing Factor	Pct
Following Too Closely	25%	Drugs (Illegal)	8%
Passing or Lane Usage Improper	17%	Failure to Yield Right-of-Way	8%
Driver Inattention/Distracted	8%	Pavement Slippery	8%
Reaction to Other Uninvolved Vehicle	8%	View Obstructed/Limited	8%
Alcohol Involvement	8%		

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline NB Almond Street on-ramp to I-690 EB off-ramp [Sheet 7]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
31677218	02/02/06	Inj.	Sideswipe	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	NB Vehicle Changing Lanes: Unsafe Lane Changing; NB Vehicle Going Straight
31747176	03/14/06	PDO	Other/Unknown	Other/Unknown	Unknown	Dry	Snow	Straight and Level	NB Vehicle Going Straight
31878590	07/11/06	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	NB Vehicle Slowing or Stopping: Unsafe Speed/Following Too Closely; NB Vehicle Slowing or Stopping
32080097	01/17/07	PDO	Rear End	Other Motor Vehicle	Daylight	Wet	Rain	Straight and Level	NB Vehicle Slowing or Stopping: Following Too Closely/Pavement Slippery; NB Vehicle Slowing or Stopping
32131874	02/26/07	Inj.	Other/Unknown	Other Motor Vehicle	Dusk	Snow/Ice	Rain	Straight and Level	NB Vehicle Stopped in Traffic: NB Vehicle Going Straight
32133886	03/15/07	PDO	Overtaking	Other Motor Vehicle	DarkLighted	Dry	Rain	Curve at Hillcrest	NB Vehicle Going Straight: Unsafe Lane Changing; NB Vehicle Going Straight
32318308	08/23/07	PDO	Fixed Object	Guide Rail - Not At End	Daylight	Wet	Clear	Straight and Level	NB Vehicle Going Straight: Pavement Slippery
32329297	09/18/07	Inj.	Overtaking	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Grade	NB Vehicle Merging: Failure to Yield Right-of-Way; NB Vehicle Going Straight
32559947	04/09/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	WB Vehicle Changing Lanes: Unsafe Lane Changing; WB Vehicle Going Straight: Unsafe Speed;
32647559	06/29/08	PDO	Other/Unknown	Other Object (Not Fixed)	Daylight	Wet	Cloudy	Straight and Level	NB Vehicle Going Straight: Pavement Defective
32647562	06/29/08	PDO	Other/Unknown	Other/Unknown	Daylight	Wet	Clear	Straight and Level	NB Vehicle Going Straight: Obstruction/Debris
32687130	05/22/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Cloudy	Straight and Grade	NB Vehicle Slowing or Stopping: Following Too Closely; NB Vehicle Stopped in Traffic
32703302	08/18/08	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Cloudy	Straight and Level	NB Veh Changing Lanes: Driver Inattention/Distracted/Passing or Lane Usage Improper; NB Vehicle Stopped in Traffic

Collision Type	Count	Pct	Potential Countermeasure
Rear End	4	31%	Reduce Speed Limits; Improve skid resistance; check superelevation
Other/Unknown	4	31%	Reduce Speed Limits
Overtaking	3	23%	Install raised/reflectorized pavement markings
Fixed Object	1	8%	Improve skid resistance; improve lighting; check superelevation
Sideswipe	1	8%	Driver inattention/unsafe operations

Contributing Factor	Pct	Contributing Factor	Pct
Unsafe Lane Changing	20%	Failure to Yield Right-of-Way	7%
Following Too Closely	20%	Passing or Lane Usage Improper	7%
Unsafe Speed	13%	Obstruction/Debris	7%
Pavement Slippery	13%	Pavement Defective	7%
Driver Inattention/Distracted	7%		

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline SB Exit 18 to Almond Street on-ramp (southern segment) [Sheet 7]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
31791898	03/21/06	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	SB Vehicle Merging: Passing or Lane Usage Improper; SB Vehicle Going Straight
31875473	08/04/06	PDO	Fixed Object	Guide Rail – Not End	Dark - Rd Lighted	Wet	Clear	Curve and Level	SB Vehicle Going Straight: Unsafe Speed/Pavement Slippery
31879941	07/25/06	PDO	Rear End	Other Motor Vehicle	Dark - Rd Lighted	Wet	Clear	Curve and Level	SB Veh Slowing: Pavement Slippery/View Obstructed; SB Veh Going Straight: Pavement Slippery/Following Too Closely;
32023370	11/17/06	PDO	Rear End	Other Motor Vehicle	Daylight	Wet	Clear	Straight and Level	SB Vehicle Going Straight: Following Too Closely/Pavement Slippery; SB Vehicle Slowing or Stopping
32043453	01/10/07	PDO	Fixed Object	Guide Rail – Not End	Daylight	Snow/Ice	Rain	Straight and Level	SE Vehicle Going Straight: Pavement Slippery
32354494	09/24/07	Inj.	Rear End	Other Motor Vehicle	Daylight	Dry	Snow	Straight and Level	SB Vehicle Going Straight: Following Too Closely; SB Vehicle Going Straight
32445379	12/20/07	PDO	Rear End	Other Motor Vehicle	Daylight	Wet	Clear	Curve and Level	SE Vehicle Slowing or Stopping: Following Too Closely; SE Vehicle Stopped in Traffic
32503337	02/16/08	PDO	Overtaking	Other Motor Vehicle	Daylight	Wet	Cloudy	Straight and Level	SB Vehicle Going Straight: SB Vehicle Changing Lanes: Unsafe Lane Changing;
32823208	12/03/08	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Cloudy	Curve and Level	SB Vehicle Going Straight: Failure to Yield Right-of-Way/Unsafe Lane Changing; SB Vehicle Going Straight
32838858	12/04/08	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Cloudy	Straight and Level	SB Veh Avoiding Object in Roadway: Reaction to Other Uninvolved Veh/Unsafe Lane Changing; SB Veh Going Straight

Collision Type	Count	Pct	Potential Countermeasure
Rear End	4	40%	Reduce Speed Limits; Improve skid resistance; check superelevation
Overtaking	4	40%	Install raised/reflectorized pavement markings
Fixed Object	2	20%	Improve skid resistance; improve lighting; check superelevation

Contributing Factor	Pct
Pavement Slippery	29%
Following Too Closely	24%
Unsafe Lane Changing	18%
Failure to Yield Right-of-Way	6%
Passing or Lane Usage Improper	6%
Reaction to Other Uninvolved Vehicle	6%
Unsafe Speed	6%
View Obstructed/Limited	6%

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline NB I-690 EB off-ramp to I-690 WB off-ramp (southern segment) [Sheet 8]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
32689661	08/10/08	PDO	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Cloudy	Curve at Hillcrest	NB Vehicle Slowing or Stopping: Following Too Closely; NB Vehicle Slowing or Stopping: NB Vehicle Slowing or Stopping: Following Too Closely;
32785721	11/03/08	Inj.	Rear End	Other Motor Vehicle	Dark - Road Lighted	Dry	Clear	Curve and Level	NB Vehicle Slowing or Stopping: Following Too Closely; NB Vehicle Slowing or Stopping
32900565	01/30/09	Inj.	Rear End	Other Motor Vehicle	Dark - Road Lighted	Dry	Clear	Curve and Level	NB Vehicle Stopped in Traffic: Other Vehicular; NB Vehicle Going Straight Ahead
Collision Type	Count	Pct	Potential Countermeasure						
Rear End	2	67%	Reduce Speed Limits; Improve skid resistance; check superelevation						
Other/Unknown	1	33%	Reduce Speed Limits						
Contributing Factor		Pct							
Following Too Closely		75%							
Other Vehicular		25%							

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline SB Exit 18 to Almond Street on-ramp (northern segment) [Sheet 8]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
32065153	12/28/06	PDO	Overtaking	Other Motor Vehicle	Dark - Road Lighted	Dry	Snow	Curve and Grade	SB Vehicle Going Straight: Unsafe Lane Changing; SB Vehicle Going Straight
32069003	01/26/07	Inj.	Fixed Object	Guide Rail - Not At End	Dark - Road Unlighted	Slush	Snow	Curve and Level	SB Vehicle Going Straight: Pavement Slippery/Unsafe Speed
32170839	04/11/07	Inj.	Other/Unknown	Other Motor Vehicle	Unknown	Dry	Rain	Straight and Level	SB Vehicle Going Straight: SB Vehicle Unknown
Collision Type	Count	Pct	Potential Countermeasure						
Overtaking	1	33%	Install raised/reflectorized pavement markings						
Other/Unknown	1	33%	Reduce Speed Limits						
Fixed Object	1	33%	Improve skid resistance; improve lighting; check superelevation						
Contributing Factor		Pct							
Unsafe Speed		33%							
Unsafe Lane Changing		33%							
Pavement Slippery		33%							

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline NB I-690 EB off-ramp to I-690 WB off-ramp (northern segment) [Sheet 9]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
31748813	02/26/06	Inj.	Other/Unknown	Other Object	Daylight	Snow/Ice	Clear	Curve and Level	NB Vehicle Changing Lanes: Pavement Slippery
31758449	02/18/06	Inj.	Fixed Object	Guide Rail - Not End	Dawn	Snow/Ice	Snow	Straight and Level	NB Vehicle Going Straight: Pavement Slippery/View Obstructed/Limited
31763442	02/08/06	PDO	Fixed Object	Guide Rail - Not End	Unknown	Unknown	Snow	Curve and Level	Unknown Dir. Unknown
31774097	02/24/06	Inj.	Overtaking	Other Motor Vehicle	Unknown	Unknown	Snow	Straight and Grade	Unknown Dir. Unknown
31900820	08/11/06	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Snow	Straight and Level	NB Vehicle Changing Lanes: Unknown Dir. Unknown
32045951	01/10/07	PDO	Fixed Object	Guide Rail - Not End	Daylight	Snow/Ice	Snow	Straight and Level	NE Vehicle Slowing or Stopping: Pavement Slippery
32098137	01/29/07	PDO	Fixed Object	Median - Not End	Daylight	Snow/Ice	Clear	Curve and Level	NB Vehicle Going Straight: Pavement Slippery
32100984	02/08/07	Inj.	Fixed Object	Bridge Structure	Daylight	Snow/Ice	Snow	Curve and Level	NB Vehicle Going Straight: Pavement Slippery
32103060	03/02/07	PDO	Fixed Object	Guide Rail - End	Daylight	Wet	Sleet/FreezRain	Curve and Grade	NB Vehicle Changing Lanes: Unsafe Lane Changing
32191172	05/13/07	PDO	Other/Unknown	Other Object	Daylight	Dry	Sleet/FreezRain	Curve and Grade	NW Vehicle Going Straight: Obstruction/Debris
32304717	08/02/07	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Snow	Curve and Grade	NB Vehicle Slowing or Stopping: Following Too Closely; NB Vehicle Slowing or Stopping
32367894	10/19/07	Inj.	Other/Unknown	Other Motor Vehicle	Dark-Rd Lighted	Wet	Clear	Curve and Grade	NB Veh Going Straight: Following Too Closely/Unsafe Speed; NB Veh Slowing: NB Veh Slowing: NB Veh Slowing
32574158	04/17/08	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Rain	Curve and Level	NB Vehicle Changing Lanes: Passing or Lane Usage Improper; NB Vehicle Going Straight
32716177	09/05/08	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Snow	Curve and Grade	NB Vehicle Changing Lanes: Passing or Lane Usage Improper; NB Vehicle Going Straight
32765327	10/16/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Snow	Curve and Level	NB Vehicle Going Straight: Following Too Closely; NB Vehicle Slowing or Stopping
32767235	10/18/08	PDO	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Cloudy	Straight and Level	NB Vehicle Going Straight: NB Vehicle Going Straight: Failure to Yield Right-of-Way ;
32875464	01/12/09	PDO	Fixed Object	Guide Rail - Not End	Daylight	Snow/Ice	Snow	Curve and Level	NB Vehicle Going Straight: Unsafe Speed

Collision Type	Count	Pct	Potential Countermeasure
Fixed Object	7	41%	Improve skid resistance; improve lighting; check superelevation
Other/Unknown	4	24%	Reduce Speed Limits
Overtaking	4	24%	Install raised/reflectorized pavement markings
Rear End	2	12%	Reduce Speed Limits; Improve skid resistance; check superelevation

Contributing Factor	Pct	Contributing Factor	Pct
Pavement Slippery	31%	Obstruction/Debris	6%
Following Too Closely	19%	Unsafe Lane Changing	6%
Unsafe Speed	13%	Failure to Yield Right-of-Way	6%
Passing or Lane Usage Improper	13%	View Obstructed/Limited	6%

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline SB I-690 EB off-ramp to I-690 EB on-ramp (southern segment) [Sheet 9]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
31752288	03/14/06	Inj.	Rear End	Other Motor Vehicle	Daylight	Dry	Snow	Curve and Level	SB Vehicle Slowing or Stopping: Following Too Closely/ Driver Inattention/Distracted; SB Vehicle Slowing or Stopping
31906985	09/08/06	PDO	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Rain	Curve and Grade	SB Vehicle Merging: Failure to Keep Right/Failure to Yield Right-of-Way; SB Vehicle Going Straight: SB Vehicle Going Straight
31972225	11/08/06	Inj.	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	SB Vehicle Merging: SB Vehicle Merging
32040649	01/12/07	Inj.	Other/Unknown	Other Object	Daylight	Wet	Cloudy	Straight and Level	SB Vehicle Changing Lanes: Unsafe Lane Changing; SB Vehicle Going Straight: SB Vehicle Going Straight
32049611	12/20/06	PDO	Rear End	Other Motor Vehicle	Dusk	Dry	Rain	Straight and Level	SB Vehicle Slowing or Stopping : SB Vehicle Slowing or Stopping
32205204	05/08/07	PDO	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	SB Vehicle Changing Lanes: Passing or Lane Usage Improper; SB Vehicle Going Straight: SB Vehicle Going Straight
32240826	06/27/07	PDO	Overtaking	Other Motor Vehicle	Dusk	Dry	Clear	Straight and Level	SB Vehicle Going Straight: SB Vehicle Changing Lanes: Unsafe Lane Changing;
32273888	07/30/07	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	SB Vehicle Slowing or Stopping: Failure to Yield Right-of-Way; SB Vehicle Going Straight
32332703	09/11/07	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Curve and Grade	SB Vehicle Slowing or Stopping: SB Vehicle Going Straight
32343186	10/06/07	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Cloudy	Curve and Grade	SB Vehicle Going Straight: Other Vehicular; SB Vehicle Going Straight
32362714	10/13/07	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Rain	Straight and Level	SB Vehicle Merging: Failure to Yield Right-of-Way/Aggressive Driving/Road Rage; SB Vehicle Going Straight
32418460	11/19/07	PDO	Other/Unknown	Other Object	Daylight	Dry	Clear	Straight and Grade	SE Vehicle Changing Lanes
32575551	04/23/08	PDO	Other/Unknown	Other/Unknown	Unknown	Unknown	Clear	Curve and Level	SB Veh Going Straight: Driver Inattention/Following Too Closely; SB Veh Slowing or Stopping: Outside Car Distraction;
32789878	11/05/08	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Snow	Curve and Level	SB Vehicle Changing Lanes: Unsafe Lane Changing; SB Vehicle Going Straight
32859241	12/31/08	PDO	Fixed Object	Median - End	Daylight	Snow/Ice	Clear	Straight and Level	SB Vehicle Changing Lanes: Passing or Lane Usage Improper/Pavement Slippery

Collision Type	Count	Pct	Potential Countermeasure
Other/Unknown	6	40%	Reduce Speed Limits
Overtaking	4	27%	Install raised/reflectorized pavement markings
Rear End	4	27%	Reduce Speed Limits; Improve skid resistance; check superelevation
Fixed Object	1	7%	Improve skid resistance; improve lighting; check superelevation

Contributing Factor	Pct	Contributing Factor	Pct
Unsafe Lane Changing	18%	Pavement Slippery	6%
Failure to Yield Right-of-Way	18%	Aggressive Driving/Road Rage	6%
Following Too Closely	12%	Other Vehicular	6%
Driver Inattention/Distracted	12%	Failure to Keep Right	6%
Passing or Lane Usage Improper	12%	Outside Car Distraction	6%

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-690 Mainline EB Between Exit 12 Ramps [Sheet 9]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
32045951	1/10/2007	PDO	Fixed Object	Guide Rail – Not End	Daylight	Snow/Ice	Snow	Curve and Level	NE Vehicle Slowing or Stopping: Pavement Slippery
32495842	2/13/2008	PDO	Fixed Object	Median - Not At End	Daylight	Snow/Ice	Rain	Curve at Hillcrest	EB Vehicle Going Straight: Following Too Closely / Pavement Slippery
32105244	2/20/2007	Injury	Fixed Object	Snow Embankment	Daylight	Wet	Cloudy	Curve at Hillcrest	EB Veh Going Straight: Aggressive Driving/Pavement Slippery; EB Veh Going Straight: Unk
32343186	10/6/2007	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	SB Vehicle Going Straight: Other Vehicular; SB Vehicle Going Straight: Unknown
31821672	5/18/2006	Injury	Overtaking	Other Motor Vehicle	Dark - Rd Lighted	Wet	Clear	Straight and Level	EB Veh Changing Lanes: Lane Usage Improper/Unsafe Chang; EB Veh Changing Lanes: Unkn
32209314	5/25/2007	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	EB Veh Changing Lanes: Driver Inattention/Unsafe Lane Chang; EB Veh Going Straight: Unk
31875304	7/31/2006	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Curve and Level	EB Veh Slowing: Reaction to Other Veh; EB Veh Slowing: Reaction to Other Veh
32209337	5/23/2007	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Curve and Level	EB Vehicle Going Straight: Following Too Closely; EB Vehicle Slowing or Stopping: Unknown
32690606	8/12/2008	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Cloudy	Straight and Level	EB Vehicle Going Straight: Driver Inattention/Distracted; EB Veh Stopped in Traffic: Unknown
31972225	11/8/2006	Injury	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Cloudy	Straight and Level	SB Vehicle Merging: Unknown; SB Vehicle Merging: Unknown

Collision Type	Count	Pct	Potential Countermeasure
Rear End	4	40%	Reduce Speed Limits; Improve skid resistance; check superelevation
Fixed Object	3	30%	Improve skid resistance; improve lighting; check superelevation
Overtaking	2	20%	Install raised/reflectorized pavement markings
Other/Unknown	1	10%	Reduce Speed Limits

Contributing Factor	Pct	Contributing Factor	Pct
Pavement Slippery	21%	Reaction to Other Uninvolved Vehicle	14%
Driver Inattention/Distracted	14%	Passing or Lane Usage Improper	7%
Following Too Closely	14%	Aggressive Driving/Road Rage	7%
Unsafe Lane Changing	14%	Other Vehicular	7%

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-690 Mainline WB Between Exit 12 Ramps [Sheet 9]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
32968696	12/22/2008	PDO	Fixed Object	Barrier	Daylight	Snow/Ice	Snow	Curve and Grade	WB Vehicle Changing Lanes: Unsafe Speed/Pavement Slippery
32548654	1/2/2008	PDO	Fixed Object	Guide Rail - Not At End	Dark - Road Lighted	Snow/Ice	Snow	Straight and Level	WB Vehicle Going Straight: Pavement Slippery; WB Vehicle Other: Pavement Slippery
32593727	5/11/2008	PDO	Fixed Object	Guide Rail - Not At End	Daylight	Dry	Clear	Straight and Level	WB Vehicle Avoiding Object in Roadway: Reaction to Other Uninvolved Vehicle
32661449	7/9/2008	Injury	Fixed Object	Guide Rail - Not At End	Dark - Road Lighted	Wet	Cloudy	Straight and Level	WB Vehicle Going Straight: Reaction to Other Uninvolved Vehicle
32821498	11/30/2008	PDO	Fixed Object	Guide Rail - Not At End	Daylight	Snow/Ice	Sleet/F Rain	Straight and Level	WB Vehicle Going Straight: Reaction to Other Uninvolved Vehicle/Pavement Slippery
32488556	2/5/2008	PDO	Rear End	Other Motor Vehicle	Dark - Road Lighted	Wet	Rain	Straight and Level	WB Vehicle Going Straight: Following Too Closely/Driver Inattention/Distracted; WB Vehicle Slowing or Stopping: Following Too Closely/Following Too Closely
32529112	3/13/2008	PDO	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	WB Vehicle Going Straight: Illness/Following Too Closely; WB Vehicle Going Straight: Unknown
32409114	11/15/2007	PDO	Other/Unknown	Other Motor Vehicle	Daylight	Wet	Rain	Straight and Grade	WB Veh Making Left Turn: Alcohol Involvement/Following Too Closely; WB Veh Making Left Turn: Unknown
32664179	7/15/2008	PDO	Other/Unknown	Other Object (Not Fixed)	Daylight	Dry	Clear	Straight and Level	WB Vehicle Going Straight: Obstruction/Debris
32676622	7/24/2008	PDO	Overtaking	Other Motor Vehicle	Daylight	Wet	Rain	Straight and Level	WB Vehicle Changing Lanes: Unsafe Lane Changing; WB Vehicle Going Straight: Unknown
32802577	11/18/2008	PDO	Overtaking	Other Motor Vehicle	Dark - Road Unlighted	Dry	Cloudy	Straight and Level	WB Vehicle Going Straight: Passing or Lane Usage Improper; WB Vehicle Going Straight: Unknown
32860698	12/31/2008	PDO	Overtaking	Other Motor Vehicle	Daylight	Snow/Ice	Snow	Straight and Level	WB Vehicle Going Straight: Unsafe Speed; WB Vehicle Going Straight: Unknown
32894133	1/26/2009	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	WB Vehicle Going Straight: Unsafe Lane Changing/Reaction to Other Uninvolved Vehicle; WB Vehicle Going Straight: Unknown
32548377	1/2/2008	PDO	Rear End	Other Motor Vehicle	Dark - Road Unlighted	Snow/Ice	Snow	Straight and Level	WB Vehicle Going Straight: Driver Inattention/Distracted; WB Vehicle Going Straight: Unknown
32553210	4/5/2008	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	WB Veh Slowing/Stopping: Driver Inattention/Distracted; WB Veh Slowing or Stopping: Unknown
32660507	6/25/2008	PDO	Rear End	Other Motor Vehicle	Unknown	Dry	Clear	Straight and Level	WB Vehicle Slowing or Stopping: Unknown; WB Vehicle Going Straight: Unknown
32752928	10/3/2008	Injury	Rear End	Other Motor Vehicle	Dark - Road Lighted	Dry	Cloudy	Straight and Level	WB Veh Slowing or Stopping: Unknown; WB Veh Going Straight: Driver Inattention/Distracted
32715011	9/2/2008	Injury	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	WB Vehicle Changing Lanes: Driver Inattention/Distracted; WB Vehicle Stopped in Traffic

Collision Type	Count	Pct	Potential Countermeasure
Rear End	6	33%	Reduce Speed Limits; Improve skid resistance; check superelevation
Fixed Object	5	28%	Improve skid resistance; improve lighting; check superelevation
Overtaking	4	22%	Install raised/reflectorized pavement markings
Other/Unknown	3	17%	Reduce Speed Limits

Contributing Factor	Pct
Driver Inattention/Distracted	19%
Following Too Closely	19%
Reaction to Other Uninvolved Vehicle	15%
Pavement Slippery	15%
Unsafe Speed	8%
Unsafe Lane Changing	8%
Alcohol Involvement	4%
Illness	4%
Passing or Lane Usage Improper	4%
Obstruction/Debris	4%

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline NB I-690 WB off-ramp to I-690 WB on-ramp (southern segment) [Sheet 10]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
32013540	11/10/06	PDO	Other/Unknown	Other Motor Vehicle	Dawn	Dry	Clear	Straight and Level	NB Vehicle Merging : Unsafe Lane Changing ; NB Vehicle Going Straight Ahead
32389760	11/03/07	PDO	Fixed Object	Barrier	Daylight	Dry	Cloudy	Curve and Level	NW Vehicle Going Straight Ahead : Tire Failure/Inadequate
32423412	12/13/07	PDO	Fixed Object	Bridge Structure	Daylight	Snow/Ice	Clear	Curve and Level	NB Vehicle Going Straight Ahead : Unsafe Speed / Pavement Slippery
32443435	11/30/07	PDO	Other/Unknown	Fire/Explosion	Daylight	Dry	Cloudy	Curve and Level	NE Vehicle Going Straight Ahead : Other Vehicular
32797456	11/11/08	Inj.	Fixed Object	Guide Rail – Not End	Dark - Rd Lighted	Dry	Cloudy	Straight and Level	NB Vehicle Going Straight Ahead : Reaction to Other Uninvolved Vehicle
32925917	01/16/09	PDO	Other/Unknown	Other Motor Vehicle	Daylight	Snow/Ice	Cloudy	Curve and Level	NB Vehicle Going Straight Ahead : Pavement Slippery ; NB Vehicle Going Straight Ahead

Collision Type	Count	Pct	Potential Countermeasure
Fixed Object	3	50%	Improve skid resistance; improve lighting; check superelevation
Other/Unknown	3	50%	Reduce Speed Limits

Contributing Factor	Pct	Contributing Factor	Pct
Pavement Slippery	29%	Unsafe Lane Changing	14%
Unsafe Speed	14%	Tire Failure/Inadequate	14%
Reaction to Other Uninvolved Vehicle	14%	Other Vehicular	14%

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline SB I-690 EB off-ramp to I-690 EB on-ramp (central segment) [Sheet 10]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
32362733	10/11/07	Inj.	Rear End	Other Motor Vehicle	Daylight	Wet	Clear	Straight and Level	SB Veh Slowing/ Stopping; Driver Inattention/Distracted/Following Too Closely; SB Veh Slowing/Stopping
32482437	01/29/08	PDO	Rear End	Other Motor Vehicle	Dawn	Dry	Clear	Curve and Level	SB Vehicle Avoiding Object in Roadway: Unsafe Lane Changing; SB Vehicle Going Straight
32580698	04/28/08	PDO	Rear End	Other Motor Vehicle	Daylight	Wet	Clear	Curve and Level	SB Veh Slowing or Stopping; SB Veh Starting in Traffic: Driver Inattention/Distracted/Following Too Closely ;
32767224	10/18/08	PDO	Fixed Object	Median - Not End	Dark - Rd Lighted	Dry	Cloudy	Curve and Grade	SB Vehicle Going Straight: Alcohol Involvement/Unsafe Speed
32787917	10/21/08	PDO	Overtaking	Other Motor Vehicle	Dark - Rd Lighted	Wet	Clear	Straight and Level	SB Vehicle Parked: Passing or Lane Usage Improper; SB Vehicle Going Straight: Reaction to Other Vehicle;
32843108	12/17/08	PDO	Rear End	Other Motor Vehicle	Dusk	Wet	Cloudy	Curve and Grade	SB Vehicle Going Straight: Following Too Closely; SB Vehicle Slowing or Stopping
32880574	01/13/09	Inj.	Rear End	Other Motor Vehicle	Daylight	Dry	Snow	Straight and Level	SB Vehicle Starting in Traffic: Following Too Closely/Driver Inattention/Distracted; SB Veh Starting in Traffic

Collision Type	Count	Pct	Potential Countermeasure
Rear End	5	71%	Reduce Speed Limits; Improve skid resistance; check superelevation
Fixed Object	1	14%	Improve skid resistance; improve lighting; check superelevation
Overtaking	1	14%	Install raised/reflectorized pavement markings

Contributing Factor	Pct
Following Too Closely	33%
Driver Inattention/Distracted	25%
Unsafe Speed	8%
Reaction to Other Uninvolved Vehicle	8%
Alcohol Involvement	8%
Passing or Lane Usage Improper	8%
Unsafe Lane Changing	8%

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-690 Mainline EB In Between Exit 11 & 12 Ramps [Sheet 10]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
31792015	5/28/2006	PDO	Fixed Object	Crash Cushion	Dark - Rd Lighted	Dry	Clear	Straight and Level	EB Vehicle Going Straight: Driver Inexperience/Other Vehicular
32199145	5/11/2007	PDO	Other/Unknown	Other Object (Not Fixed)	Unknown	Unknown	Unknown	Unknown	Unknown Dir. Unknown
32513002	2/16/2008	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Clear	Curve and Level	EB Vehicle Passing: Oversized Vehicle/Driver Inattention/Distracted; EB Vehicle Stopped in Traffic: Unknown

Collision Type	Count	Pct	Potential Countermeasure
Overtaking	1	33%	Install raised/reflectorized pavement markings
Other/Unknown	1	33%	Reduce Speed Limits
Fixed Object	1	33%	Improve skid resistance; improve lighting; check superelevation

Contributing Factor	Pct
Driver Inattention/Distracted	25%
Driver Inexperience	25%
Oversized Vehicle	25%
Other Vehicular	25%

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-690 Mainline WB In Between Exit 11 & 12 Ramps [Sheet 10]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
32178306	4/20/2007	Injury	Fixed Object	Guide Rail - End	Dark - Rd Lighted	Dry	Clear	Straight and Level	NW Vehicle Going Straight: Driver Inattention/Distracted
32640329	6/21/2008	PDO	Fixed Object	Guide Rail - Not At End	Dawn	Dry	Clear	Straight and Level	WB Vehicle Going Straight: Reaction to Other Uninvolved Vehicle
32023353	11/16/2006	PDO	Overtaking	Other Motor Vehicle	Daylight	Wet	Rain	Curve and Grade	WB Veh Changing Lanes: Driver Inattention/Distracted/Unsafe Lane Changing; WB Veh Going Straight: Unkn
32132509	3/11/2007	Injury	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	NB Vehicle Going Straight: Failure to Yield Right-of-Way/Unsafe Speed; NB Vehicle Going Straight: Unknown
32627532	6/10/2008	Injury	Rear End	Other Motor Vehicle	Daylight	Dry	Cloudy	Straight and Level	WB Vehicle Going Straight: Following Too Closely; WB Vehicle Slowing or Stopping: Unknown

Collision Type	Count	Pct	Potential Countermeasure
Rear End	2	40%	Reduce Speed Limits; Improve skid resistance; check superelevation
Fixed Object	2	40%	Improve skid resistance; improve lighting; check superelevation
Overtaking	1	20%	Install raised/reflectorized pavement markings

Contributing Factor	Pct
Driver Inattention/Distracted	29%
Failure to Yield Right-of-Way	14%
Following Too Closely	14%
Unsafe Speed	14%
Unsafe Lane Changing	14%
Reaction to Other Uninvolved Vehicle	14%

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline NB I-690 WB off-ramp to I-690 WB on-ramp (central segment) [Sheet 11]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
31771976	04/22/06	Inj.	Rear End	Other Motor Vehicle	Daylight	Wet	Cloudy	Curve and Level	NB Vehicle Going Straight: Obstruction/Debris; NB Vehicle Going Straight: Obstruction/Debris;
31782683	05/17/06	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Clear	Curve and Level	NB Vehicle Going Straight: NB Vehicle Merging: Failure to Yield Right-of-Way;
32120438	02/23/07	PDO	Fixed Object	Guide Rail - Not End	Dark - Rd Lighted	Snow/Ice	Rain	Curve and Level	NB Vehicle Going Straight: Unsafe Speed/Pavement Slippery
32148244	03/26/07	Inj.	Rear End	Other Motor Vehicle	Unknown	Unknown	Clear	Straight and Level	Unknown
32417965	12/02/07	Inj.	Fixed Object	Median - Not At End	Daylight	Snow/Ice	Clear	Curve and Level	NB Vehicle Going Straight: Pavement Slippery
32444406	12/02/07	PDO	Fixed Object	Guide Rail - Not End	Daylight	Snow/Ice	Clear	Straight and Level	NB Vehicle Changing Lanes: Pavement Slippery/Unsafe Speed
32444410	12/02/07	PDO	Fixed Object	Median	Daylight	Snow/Ice	Clear	Straight and Grade	NB Vehicle Going Straight: Pavement Slippery; NB Vehicle Going Straight
32446396	12/20/07	PDO	Other/Unknown	Other Object	Daylight	Dry	Cloudy	Curve and Grade	NB Vehicle Going Straight: Obstruction/Debris
32678512	07/09/08	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	WB Vehicle Merging: Failure to Yield Right-of-Way; WB Vehicle Going Straight
32697808	08/12/08	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Cloudy	Straight and Level	NB Vehicle Merging: NB Vehicle Merging: Driver Inattention/Distracted;
32726555	09/10/08	PDO	Overtaking	Other Motor Vehicle	Dark - Rd Lighted	Dry	Clear	Straight and Level	NB Veh Going Straight: Passing or Lane Usage Improper; NB Veh Going Straight: Unsafe Lane Changing;
32849508	12/22/08	Inj.	Fixed Object	Median - Not End	Daylight	Snow/Ice	Cloudy	Straight and Level	NB Vehicle Going Straight Ahead : Unsafe Speed

Collision Type	Count	Pct	Potential Countermeasure
Fixed Object	5	42%	Improve skid resistance; improve lighting; check superelevation
Overtaking	4	33%	Install raised/reflectorized pavement markings
Rear End	2	17%	Reduce Speed Limits; Improve skid resistance; check superelevation
Other/Unknown	1	8%	Reduce Speed Limits

Contributing Factor	Pct
Pavement Slippery	27%
Unsafe Speed	20%
Obstruction/Debris	20%
Failure to Yield Right-of-Way	13%
Unsafe Lane Changing	7%
Driver Inattention/Distracted	7%
Passing or Lane Usage Improper	7%

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline SB I-690 EB off-ramp to I-690 EB on-ramp (northern segment) [Sheet 11]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
32164572	04/09/07	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Rain	Straight and Level	SB Vehicle Going Straight: SB Vehicle Going Straight: Failure to Keep Right/Passing or Lane Usage Improper;
32167162	04/16/07	Inj.	Fixed Object	Guide Rail – Not End	Dark - Rd Lighted	Snow/Ice	Clear	Straight and Level	SB Vehicle Going Straight: Pavement Slippery
32347074	09/18/07	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	SB Vehicle Going Straight: SB Vehicle Changing Lanes
32390801	11/01/07	Inj.	Rear End	Other Motor Vehicle	Daylight	Wet	Clear	Straight and Level	SB Vehicle Going Straight: SB Vehicle Stopped in Traffic
32503405	02/16/08	Inj.	Rear End	Other Motor Vehicle	Daylight	Wet	Clear	Curve and Level	SB Vehicle Slowing/Stopping: Following Too Closely; SB Vehicle Slowing/Stopping: Following Too Closely ;
32567028	04/16/08	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Rain	Curve and Level	SB Vehicle Changing Lanes: Driver Inattention/Distracted; SB Vehicle Going Straight

Collision Type	Count	Pct	Potential Countermeasure
Overtaking	3	50%	Install raised/reflectorized pavement markings
Rear End	2	33%	Reduce Speed Limits; Improve skid resistance; check superelevation
Fixed Object	1	17%	Improve skid resistance; improve lighting; check superelevation

Contributing Factor	Pct
Following Too Closely	33%
Pavement Slippery	17%
Passing or Lane Usage Improper	17%
Driver Inattention/Distracted	17%
Failure to Keep Right	17%

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline NB I-690 WB off-ramp to I-690 WB on-ramp (northern segment) [Sheet 12]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
32059144	01/26/07	Inj.	Fixed Object	Bridge Structure	Daylight	Slush	Clear	Unknown	NW Vehicle Going Straight: Reaction to Other Uninvolved Veh/Pavement Slippery
32353330	10/05/07	Inj.	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Clear	Curve and Grade	NB Veh Slowing/Stopping: NB Veh Avoiding Object in Roadway: Following Too Closely; NB Veh Slowing/Stopping: NB Veh Slowing/Stopping: NB Veh Slowing/ Stopping Following Too Closely
32354491	09/24/07	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Snow	Straight and Level	NB Vehicle Changing Lanes: Unsafe Lane Changing; NB Vehicle Going Straight
32442403	12/11/07	PDO	Rear End	Other Motor Vehicle	Dark - Rd Lighted	Wet	Clear	Straight and Level	NB Veh Changing Lanes: Driver Inattention/Distracted/Failure to Yield Right-of-Way; NB Veh Going Straight
32457955	12/10/07	PDO	Fixed Object	Guide Rail - Not End	Dark - Rd Lighted	Snow/Ice	Cloudy	Curve and Level	NB Vehicle Going Straight: Pavement Slippery
32482488	02/01/08	Inj.	Rear End	Other Motor Vehicle	Daylight	Snow/Ice	Clear	Curve and Level	NB Vehicle Going Straight: Unsafe Speed/Pavement Slippery; NB Vehicle Stopped in Traffic
32496919	02/15/08	Inj.	Fixed Object	Median - Not End	Daylight	Wet	Clear	Straight and Level	NB Vehicle Going Straight: Pavement Slippery/Following Too Closely
32503282	02/16/08	PDO	Fixed Object	Guide Rail - Not End	Dark - Rd Unlighted	Snow/Ice	Clear	Curve and Grade	NB Vehicle Going Straight: Pavement Slippery/Unsafe Speed
32515322	02/29/08	Inj.	Other/Unknown	Other Motor Vehicle	Daylight	Wet	Clear	Curve and Level	NW Veh Slowing/Stopping: Unsafe Speed; NW Veh Stopped in Traffic: Other Vehicular; NW Veh Stopped in Traffic
32520936	02/29/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Snow	Curve and Level	NB Vehicle Going Straight: Following Too Closely/Unsafe Speed; NB Vehicle Slowing/Stopping
32528714	03/11/08	Inj.	Rear End	Other Motor Vehicle	Daylight	Dry	Unknown	Unknown	NB Veh Going Straight: Driver Inattention/Unsafe Speed; NB Veh Slowing/Stopping: Unsafe Speed/Unsafe Lane Chang;
32542763	03/11/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	NB Vehicle Merging: Following Too Closely/Driver Inattention; NB Vehicle Slowing or Stopping
32564732	02/29/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Rain	Straight and Level	NB Vehicle Stopped in Traffic:
32618889	05/28/08	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Unknown	Unknown	NB Vehicle Changing Lanes: Unsafe Lane Changing; NB Vehicle Going Straight
32636253	05/30/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Snow	Straight and Level	NE Vehicle Slowing or Stopping: Unsafe Lane Changing; NE Vehicle Going Straight
32660308	07/02/08	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Rain	Straight and Grade	NB Vehicle Changing Lanes: Unsafe Lane Changing; NB Vehicle Going Straight
32687573	08/05/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Curve and Level	NB Vehicle Going Straight: Following Too Closely; NB Vehicle Going Straight
32688449	08/08/08	PDO	Rear End	Other Motor Vehicle	Daylight	Wet	Snow	Curve and Level	NB Vehicle Slowing or Stopping: Following Too Closely/Pavement Slippery; NB Vehicle Stopped in Traffic
32693670	07/21/08	PDO	Overtaking	Other Motor Vehicle	Daylight	Wet	Rain	Straight and Level	NB Vehicle Going Straight: NB Vehicle Changing Lanes
32700296	06/21/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	NB Vehicle Slowing or Stopping: NE Vehicle Passing
32736874	09/22/08	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Cloudy	Straight and Level	NB Vehicle Going Straight: Passing or Lane Usage Improper; NB Vehicle Going Straight
32760470	10/12/08	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Cloudy	Straight and Level	NB Vehicle Going Straight: Passing or Lane Usage Improper; NB Vehicle Going Straight
32766365	10/16/08	PDO	Overtaking	Other Motor Vehicle	Daylight	Dry	Sleet/F Rain	Curve and Level	NE Vehicle Changing Lanes: Failure to Yield Right-of-Way/Passing or Lane Usage Improper; NE Veh Going Straight
32767220	10/18/08	Inj.	Rear End	Other Motor Vehicle	Dark - Rd Lighted	Dry	Snow	Straight and Level	NB Vehicle Merging: Following Too Closely; NB Vehicle Slowing or Stopping
32777551	10/23/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	NB Vehicle Going Straight: Following Too Closely; NB Vehicle Slowing or Stopping
32797499	11/12/08	PDO	Other/Unknown	Other Motor Vehicle	Dark - Rd Lighted	Dry	Cloudy	Curve and Grade	NB Veh Going Straight: Following Too Closely; NB Veh Going Straight: Following Too Closely; NB Veh Going Straight
32864261	01/06/09	PDO	Fixed Object	Crash Cushion	Dark - Rd Lighted	Wet	Clear	Curve and Level	NW Vehicle Changing Lanes: Passing or Lane Usage Improper
32873127	01/09/09	Inj.	Overtaken	Overtaken	Daylight	Wet	Clear	Straight and Level	NB Vehicle Going Straight: Unsafe Speed
32885035	01/17/09	Inj.	Overtaking	Other Motor Vehicle	Daylight	Wet	Rain	Curve and Level	NB Vehicle Changing Lanes: Unsafe Lane Changing; NB Vehicle Going Straight
32885335	01/21/09	PDO	Fixed Object	Guide Rail - Not End	Dark - Rd Lighted	Snow/Ice	Rain	Straight at Hillcrest	NW Vehicle Changing Lanes: Unsafe Speed/Unsafe Lane Changing
32903766	12/22/08	PDO	Rear End	Other Motor Vehicle	Unknown	Snow/Ice	Cloudy	Straight and Grade	NB Vehicle Going Straight: NB Vehicle Going Straight

Collision Type	Count	Pct	Potential Countermeasure
Rear End	14	47%	Reduce Speed Limits; Improve skid resistance; check superelevation
Overtaking	7	23%	Install raised/reflectorized pavement markings
Fixed Object	5	17%	Improve skid resistance; improve lighting; check superelevation
Other/Unknown	3	10%	Reduce Speed Limits
Overtaken	1	3%	Widen Lane/Shoulder

Contributing Factor	Pct
Following Too Closely	26%
Unsafe Speed	19%
Unsafe Lane Changing	17%
Pavement Slippery	14%
Passing or Lane Usage Improper	7%
Driver Inattention/Distracted	7%
Failure to Yield Right-of-Way	5%
Reaction to Other Uninvolved Vehicle	2%
Other Vehicular	2%

Accident Experience Summary (Feb. 1, 2006 – Jan. 31, 2009) - I-81 Mainline SB Exit 19 off-ramp to I-690 EB off-ramp (southern segment) [Sheet 12]

Case No.	Date	Severity	Collision Type	Object Struck	Light Conditions	Road Surface	Weather	Road Characteristic	Description
31950532	09/21/06	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	SB Vehicle Slowing or Stopping: Following Too Closely; SB Vehicle Slowing or Stopping
32184521	04/26/07	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Rain	Curve and Level	SB Vehicle Going Straight: Following Too Closely/Glare; SB Vehicle Slowing or Stopping
32466349	01/23/08	PDO	Rear End	Other Motor Vehicle	Daylight	Wet	Unknown	Unknown	SB Vehicle Going Straight: Following Too Closely; SB Vehicle Stopped in Traffic
32480019	12/26/07	PDO	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Unknown	Unknown	SB Veh Changing Lanes: Driver Inattention/Distracted/Failure to Yield Right-of-Way; SB Veh Going Straight
32500076	01/29/08	PDO	Fixed Object	Barrier	Dark - Rd Lighted	Unknown	Clear	Straight and Level	SW Vehicle Going Straight: Pavement Slippery
32508723	01/16/08	Inj.	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	SB Vehicle Going Straight: SB Vehicle Going Straight
32520611	02/29/08	PDO	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Clear	Curve and Level	SB Veh Going Straight: Following Too Closely/Unsafe Speed; SB Veh Going Straight: Following Too Closely/ Unsafe Speed; SB Veh Stopped in Traffic: SB Veh Stopped in Traffic
32551258	03/31/08	PDO	Fixed Object	Guide Rail - Not End	Dark - Rd Lighted	Wet	Cloudy	Straight and Level	SB Vehicle Going Straight: Unsafe Speed/Pavement Slippery
32575607	04/23/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Curve and Grade	SE Vehicle Changing Lanes: Unsafe Lane Changing; SE Vehicle Going Straight
32616931	05/21/08	PDO	Overtaking	Other Motor Vehicle	Daylight	Wet	Clear	Straight and Level	SB Vehicle Unknown: Unsafe Lane Changing; SB Vehicle Going Straight
32675795	07/21/08	PDO	Rear End	Other Motor Vehicle	Daylight	Wet	Snow	Straight and Grade	SB Vehicle Going Straight: Following Too Closely; SB Vehicle Going Straight
32676160	07/22/08	Inj.	Fixed Object	Guide Rail - Not End	Dark - Rd Lighted	Dry	Unknown	Unknown	SB Vehicle Going Straight: Reaction to Other Uninvolved Vehicle
32750953	10/01/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Rain	Straight and Level	SB Vehicle Going Straight: Following Too Closely; SB Vehicle Going Straight: Unsafe Lane Changing;
32755430	10/07/08	Inj.	Rear End	Other Motor Vehicle	Daylight	Dry	Rain	Straight and Level	SB Vehicle Going Straight: Following Too Closely; SB Vehicle Slowing or Stopping
32786551	11/04/08	PDO	Other/Unknown	Other Motor Vehicle	Daylight	Dry	Rain	Curve and Level	SB Veh Slowing or Stopping: SB Veh Going Straight: Following Too Closely; SB Veh Going Straight: Following Too Closely; SB Veh Going Straight: Following Too Closely
32796696	11/04/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Snow	Curve and Level	SB Vehicle Other: Driver Inattention/Distracted; SB Vehicle Other
32799751	11/13/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Snow	Straight and Level	SB Vehicle Going Straight: Following Too Closely; SB Vehicle Stopped in Traffic
32830967	12/08/08	Inj.	Other/Unknown	Other Motor Vehicle	Daylight	Wet	Snow	Curve and Level	SB Veh Slowing/Stopping: Following Too Closely; SB Vehicle Stopped in Traffic: SB Vehicle Stopped in Traffic
32868460	11/10/08	PDO	Rear End	Other Motor Vehicle	Daylight	Dry	Clear	Straight and Level	SB Vehicle Going Straight: Driver Inattention/Distracted; SB Vehicle Going Straight: Driver Inattention;
32952971	01/29/09	PDO	Right Turn (Against Other Car)	Other Motor Vehicle	Unknown	Unknown	Rain	Straight and Level	Unknown

Collision Type	Count	Pct	Potential Countermeasure
Rear End	11	52%	Reduce Speed Limits; Improve skid resistance; check superelevation
Other/Unknown	5	24%	Reduce Speed Limits
Fixed Object	3	14%	Improve skid resistance; improve lighting; check superelevation
Sideswipe	1	5%	Driver inattention/unsafe operations
Overtaking	1	5%	Install raised/reflectorized pavement markings

Contributing Factor	Pct
Following Too Closely	45%
Unsafe Speed	14%
Driver Inattention/Distracted	14%
Unsafe Lane Changing	10%
Pavement Slippery	7%
Reaction to Other Uninvolved Vehicle	3%
Glare	3%
Failure to Yield Right-of-Way	3%