

MEMORANDUM

To: Randy Elmore
From: Matt Palmer, PE *MJP*
Subject: Red-Light Camera Review, GTC #11-090
Date: October 17, 2011

This memorandum is to address the applicability of a Red-Light Camera for the northbound movement of SR-539 (Guide Meridian Road) at Telegraph Road. The review is based on the most recent five full years of collision data received from the Washington State Department of Transportation (WSDOT) and the City of Bellingham. Also, a professional literature search was conducted to determine the application or potential unforeseen consequence for right-turn on red versus straight through red-light violations.

Matthew Palmer, responsible for this memorandum, is a licensed professional engineer (Civil) in the State of Washington and member of the Washington State section of the Institute of Transportation Engineers ITE.

Base Information

The most severe (costly in both terms of injury and damage) collision type is at angle collisions. At signalized locations with protected left-turn phasing this severity of accident is caused nearly always by through traffic red-light violations. Based on information within the May 2010 ITE Journal article "Effectiveness of Red-light Cameras"; red-light cameras are normally installed after a traffic engineering evaluation shows that all reasonable and applicable engineering countermeasures (i.e. increasing yellow times, improving visibility) have been evaluated and that violations still exist. The reason to conduct such investigation and corrections before resorting to additional enforcement such as red-light cameras is that research has shown that although additional enforcement might reduce the number of potential at angle collisions; it could also increase, rear-end collision frequency.

GTC could not find an engineering evaluation of the subject intersection. The only data GTC found was collected by American Traffic Solutions and was a Violation Incident Monitoring System (VIMS) Site Data Report that identified potential red-light violations at the study intersection. The eight hours worth of data showed a potential of 17 violations in the northbound direction; 6 for the through movement and 11 for right-turns.

Per a study conducted in College Station, Texas, violations per movement type were broken down to: through 50%, right-turn 47%, left-turn 3%. From the ITE Journal article “Effectiveness of Red-light Cameras” there was a decrease in right-angle collisions ranging from 10% to 50% and the rear-end collisions showed an increase range from no significant change to 60% increase. A review of ten before-and-after studies by the Insurance Institute for Highway Safety (IIHS) showed an average 16% reduction to total injury crashes.

Collision Analysis

GTC conducted a review of the collision data provided for all collisions at the intersection of SR-539 and Telegraph Road to determine how many collisions over the last 5-years had the potential to be eliminated by the red-light camera system.

When reviewing the WSDOT and City data for the standard 5 year period there was only one collision identified in the data specifically identified as disregard Stop and Go Light. The rear-end collisions (78) account for 67% of the total collisions, sideswipes (28) account for 24%, at angle (5) make up only 4% of the collisions, the remaining (6) collisions make up the remaining 5%. None of the right-angle or stop light collisions resulted in any injuries.

Using the highest decrease in right-angle and stop light running collisions from the ITE Journal article of 50% there would be a possible reduction of just 3 collisions in a 5 year time frame. However, if just the average increase in rear-end collisions of 30% happens there is the potential for 23 additional rear-end collisions in the same 5 year time frame.

Per the 2009 Washington State Collision Data Summary, the existing accident rate for Urban Principal Arterials in the Northwest Region is 2.19 collisions per MVM. Based on the 5-years of collision data obtained from WSDOT and the City of Bellingham; the collision rate at the intersection of SR-539 at Telegraph Road is below the average accident rate for similar roadways in the Northwest Region. The collision data is summarized below in **Table 1**.

Table 1: 5-Year Collision Rate and Frequency – January 1, 2006 to December 31, 2010

Location	Collision Type						5-Year Total	Collision Frequency	ADT	Rate
	Rear End	At Angle	Sideswipe	Disregard Stop Light	Bike/Ped	Other				
SR-539 at Telegraph Road (WSDOT Data)	46	3	17	1	1	0	68	13.60	49,000	0.76
SR-539 at Telegraph Road (City Data not in WSDOT Data)	32	2	11	---	2	2	49	9.80	49,000	0.55
TOTAL	78	5	28	1	3	2	117	23.40	49,000	1.31

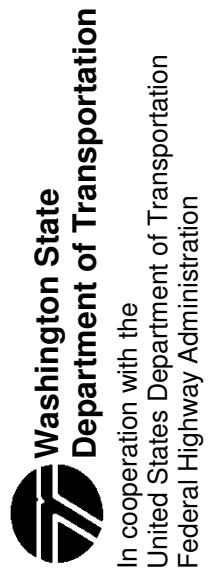
Conclusions

Based on the 5-years of collision data obtained from WSDOT and the City of Bellingham; the collision data does not support the introduction of red-light cameras. Per the ITE collected statistics it only has the potential to reduce at angle red-light running collisions by a less than 1 per year but increase rear ends by an average of nearly 5 per year for this particular intersection.

With no fatalities or injuries related to the at angle collisions but 30 injuries related to rear end collisions it is anticipated that the proposed red-light camera would not reduce the collision/injury potential of the intersection and potentially increase the collision/injury potential at this particular location.

Attachments

2010 Annual Traffic Report



STATE OF WASHINGTON -- DEPARTMENT OF TRANSPORTATION
 T R I P S S Y S T E M
 ANNUAL TRAFFIC REPORT

STATE ROUTE	STATE ROUTE MILEPOST	LOCATION	COUPLER CLASS	FUNCT TRUCK PERCENTAGES	AVERAGE DAILY TRAFFIC VOLUME			
					2007 UNITS	2008 UNITS	2009 UNITS	2010 UNITS
STATE ROUTE NO 539 MAINLINE SR 5/BELLINGHM TO CANADA								
539	000.00	AT SR 5 SB*BEG ROUTE	1		34000*	35000*	36000	
539	000.06	AFTER SR 5 NB RAMPS	1			49000*	50000	
539	000.30	BEFORE JCT E BELLIS FAIR PKWY	1			38000*	38000	
539	000.30	AFTER JCT E BELLIS FAIR PKWY	1			36000*	37000	
539	000.86	AFTER JCT KELLOGG RD	1		33000	32000*	32000	
539	001.73	BEFORE JCT HORTON RD	1		23000	24000*	24000	
539	001.73	AFTER JCT HORTON RD	1		22000	23000*	23000	
539	002.48	BEFORE JCT KELLY RD	1		21000	23000*	23000	
539	004.50	BEFORE JCT AXTON RD	1		18000	17000	18000*	
539	005.00	AFTER JCT E LAUREL RD	1		18000	17000	18000*	
539	010.80	BEFORE JCT FRONT ST	1		16000*	16000	18000*	
539	010.80	AFTER JCT FRONT ST	1		13000	12000	14000*	
539	014.55	AFTER JCT H ST RD	1		3500	3400	3200*	
STATE ROUTE NO 542 MAINLINE SR 5 TO MT BAKER								
542	000.00	AT SR 5 BRIDGE*BEGIN ROUTE	2		30000	29000*	29000	
542	000.06	AFTER RAMP SR 5	2		41000	39000*	40000	
542	000.93	BEFORE JCT WOBURN ST*HANNEGAN RD	2		22000	22000*	23000	
542	001.74	BEFORE JCT MCLEOD*TRICKLE CRK BLVD	2		16000	16000*	16000	
542	003.80	BEFORE JCT NOON RD	2		13000	12000*	12000	
542	003.95	AFTER JCT VAN WYCK RD	2		12000*	12000*	13000	
542	007.13	BEFORE JCT SAND RD	2		8600	8200*	8500	
542	007.13	AFTER JCT SAND RD	2		8100	7400*	7700	
542	008.87	BEFORE JCT SMITH RD	2		8600	8100	8000*	
542	009.96	BEFORE JCT SR 9 WYE CONN	2		11000*	10000	11000	
542	009.98	AFTER JCT SR 9	2		10000*	9500	9800	

* BASED ON ACTUAL COUNT
 + SOURCE OF TRUCK PERCENTAGES



Washington State
Department of Transportation



2009 Washington State Collision Data Summary



2009 AVERAGE COLLISION RATES BY FUNCTIONAL CLASS Northwest Region (State Routes only)

RURAL AREAS	PRINCIPAL			MINOR			ALL HIGHWAYS
	ARTERIAL	ARTERIAL	COLLECTOR	ARTERIAL	ARTERIAL	INTERSTATE	
Vehicle Miles of Travel (Millions)	554.74	455.55	216.70	940.03			2,167.02
Miles of Highway	133.41	255.98	158.96	57.61			605.96
Total Collisions	587	518	394	494			1,993
Collision Rate (1)	1.06	1.14	1.82	0.53			0.92
Property Damage Only Collisions	378	292	249	347			1,266
Property Damage Only Collision Rate (1)	0.68	0.64	1.15	0.37			0.58
Injury Collisions	205	219	143	145			712
Injury Collision Rate (1)	0.37	0.48	0.66	0.15			0.33
Fatal Collisions	4	7	2	2			15
Fatal Collision Rate (2)	0.72	1.54	0.92	0.21			0.69

URBAN AREAS	PRINCIPAL			MINOR			ALL HIGHWAYS
	ARTERIAL	ARTERIAL	COLLECTOR	ARTERIAL	ARTERIAL	INTERSTATE	
Vehicle Miles of Travel (Millions)	4,124.91	503.58	0.00	6,827.04			11,455.53
Miles of Highway	333.18	98.04	0.00	141.43			572.65
Total Collisions	9,032	1,501	0	9,266			19,799
Collision Rate (1)	2.19	2.98	0.00	1.36			1.73
Property Damage Only Collisions	5,981	943	0	6,351			13,275
Property Damage Only Collision Rate (1)	1.45	1.87	0.00	0.93			1.16
Injury Collisions	3,034	551	0	2,898			6,483
Injury Collision Rate (1)	0.74	1.09	0.00	0.42			0.57
Fatal Collisions	17	7	0	17			41
Fatal Collision Rate (2)	0.41	1.39	0.00	0.25			0.36

ALL AREAS	PRINCIPAL			MINOR			ALL HIGHWAYS
	ARTERIAL	ARTERIAL	COLLECTOR	ARTERIAL	ARTERIAL	INTERSTATE	
Vehicle Miles of Travel (Millions)	4,679.65	959.13	216.70	7,767.07			13,622.55
Miles of Highway	466.59	354.02	158.96	199.04			1,178.61
Total Collisions	9,619	2,019	394	9,760			21,792
Collision Rate (1)	2.06	2.11	1.82	1.26			1.60
Property Damage Only Collisions	6,359	1,235	249	6,698			14,541
Property Damage Only Collision Rate (1)	1.36	1.29	1.15	0.86			1.07
Injury Collisions	3,239	770	143	3,043			7,195
Injury Collision Rate (1)	0.69	0.80	0.66	0.39			0.53
Fatal Collisions	21	14	2	19			56
Fatal Collision Rate (2)	0.45	1.46	0.92	0.24			0.41

(1) Per Million Vehicle Miles of Travel

(2) Per 100 Million Vehicle Miles of Travel

STATE ROUTE	SRMP	A *ACCDNT / REPORT NUMBER	DIAGRAM ANALYSIS DATA	M # S # I F V	J S L U U I	VEH1 TYPE	VEH2 TYPE	FIRST COLLISION TYPE / OBJECT STRUCK	UNIT 1 CONTR CIRCUMSTANCE 1	UNIT 2 CONTR CIRCUMSTANCE 1
539	0.08	1826882	5BA065BQD1	1 0 0 2 2	2 2	2	2	From same direction - both going straight - one stopped - rear-end	Inattention	None
539	0.08	2594236	1AA061AQA1	7 1 0 2 2	4 1 1	1	1	From same direction - both going straight - one stopped - rear-end	Follow Too Closely	None
539	0.08	3219285	1AS051ASA3	1 0 0 2 1	4 2 1	1	1	From same direction - both going straight - both moving - sideswipe	Did Not Grant RW to Vehicle	None
539	0.08	3217958	1AA061AAA1	1 0 0 3 2	4 1 1	0	0	From same direction - both going straight - both moving - rear-end	None	Other
539	0.09	1874015	7BC33000D9	1 0 0 1 1	3 1 4	1	1	Curb, Raised Traffic Island or Raised Median Curb	Improper Turn	None
539	0.10	1148982	5BA065BQD3	1 0 0 2 1	4 2 1	1	1	From same direction - both going straight - one stopped - rear-end	Inattention	None
539	0.11	1157417	1AA061AQA2	7 1 0 2 2	1 1 1	1	1	From same direction - both going straight - one stopped - rear-end	Follow Too Closely	None
539	0.11	0821066	5BA065BQD1	7 1 0 2 2	1 1 1	1	1	From same direction - both going straight - one stopped - rear-end	None	Follow Too Closely
539	0.11	0821091	5BQ165BAD1	7 2 0 3	1 1 1	1	1	From same direction - both going straight - one stopped - rear-end	None	Follow Too Closely
539	0.11	1165753	50A037CAB1	1 0 0 2 2	6 1 1	1	1	One car leaving driveway access	Did Not Grant RW to Vehicle	None
539	0.11	1146391	5BR025BAD2	1 0 0 2 2	1 1 1	1	1	From same direction - both going straight - both moving - sideswipe	Did Not Grant RW to Vehicle	None
539	0.11	1165771	5BA125BRD1	1 0 0 2 2	5 1 1	1	1	From same direction - both going straight - both moving - sideswipe	None	Did Not Grant RW to Vehicle
539	0.11	1146445	30H027CQB1	1 0 0 2 2	1 1 1	1	1	From same direction - all others	Improper Backing	None
539	0.11	0819897	3DB033DBE1	1 0 0 2 2	1 1 1	1	1	Same direction -- both turning right -- both moving -- sideswipe	Improper Turn	None
539	0.11	1166084	5BA065BQD1	1 0 0 3	1 1 1	1	1	From same direction - both going straight - one stopped - rear-end	Inattention	None
539	0.11	1166089	5BA065BQD1	7 1 0 2 2	1 1 1	1	1	From same direction - both going straight - one stopped - rear-end	Follow Too Closely	None
539	0.11	1157866	5BH075BQD6	1 0 0 2 2	1 1 1	1	1	From same direction - all others	Operating Defective Equipment	None
539	0.11	1087255	5BC731AAA7	7 1 0 1 1	6 1 1	1	1	Vehicle - Pedalcyclist	Fail to Yield Row to Pedestrian	None
539	0.11	0832668	1AA061AQA1	5 1 0 2 2	1 2 4	1	1	From same direction - both going straight - one stopped - rear-end	Exceeding Reas. Safe Speed	None
539	0.11	1148676	1AS031AAA6	1 0 0 2 2	1 2 1	1	1	From same direction - both going straight - both moving - sideswipe	Did Not Grant RW to Vehicle	None
539	0.11	1146899	3DS033DAE1	1 0 0 2 2	1 2 4	1	1	From same direction - both going straight - both moving - sideswipe	Did Not Grant RW to Vehicle	None
539	0.11	1148955	1AA025BCA2	1 0 0 2 1	2 1 2 4	1	1	From opposite direction - one left turn - one straight	Disregard Stop and Go Light	None
539	0.11	0819959	10C027CAB1	1 0 0 2 2	1 6 2 4	1	1	One car leaving driveway access	Did Not Grant RW to Vehicle	None
539	0.11	1364732	1AB161AAA1	7 1 0 3 1	1 6 2 1	1	1	One car entering driveway access	Did Not Grant RW to Vehicle	None
539	0.11	1149353	1AA027CAA3	1 0 0 2 2	2 1 2 1	2	2	Entering at angle	Disregard Stop and Go Light	None
539	0.11	1149235	30C0270AB1	1 0 0 2 1	1 6 1 1	1	1	One car entering driveway access	Did Not Grant RW to Vehicle	None

A *ACCDNT / REPORT	B NUMBER	DATE	TIME	DIAGRAM ANALYSIS DATA	M #	S #	I F V	J S L	U U I	VEH1 TYPE	VEH2 TYPE	FIRST COLLISION TYPE / OBJECT STRUCK	UNIT 1 CONTR CIRCUMSTANCE 1	UNIT 2 CONTR CIRCUMSTANCE 1		
539	0.11	0819964	04/24/02	16:11 1AA061AQA1	7	2	0	3	1	1	1	1	From same direction - both going straight - one stopped - rear-end	Inattention	None	
539	0.11	1149241	05/17/02	10:58 5BR045BAD3	1	0	0	2	2	1	1	1	From same direction - both going straight - both moving - sideswipe	Did Not Grant RW to Vehicle	None	
539	0.11	1365179	05/24/02	13:57 50B057CAB1	1	0	0	2	1	1	6	1	One car leaving driveway access	Did Not Grant RW to Vehicle	None	
539	0.11	C508409	05/29/02	20:00 5BQ165BAD1	7	1	0	2	1	0	1	2	3	From same direction - both going straight - one stopped - rear-end	None	
539	0.11	1087294	07/05/02	19:06 1AH011AQD6	1	0	0	2	2	1	1	1	1	From opposite direction - all others	Improper Backing	None
539	0.11	1167856	07/25/02	15:22 30C077CAB1	1	0	0	2	2	1	6	1	1	One car entering driveway access	Did Not Grant RW to Vehicle	None
539	0.11	1364928	08/01/02	22:48 3DA063DQE1	7	2	0	2	1	1	1	1	4	From same direction - one right turn - one	Inattention	None
539	0.11	C511969	08/01/02	17:02 1AQ175BHA1	1	0	0	2	1	2	5	1	1	From same direction - all others	None	None
539	0.11	1156041	08/19/02	17:51 1AA061AQA6	7	2	0	2	1	1	1	1	1	From same direction - both going straight - one stopped - rear-end	Did Not Grant RW to Vehicle	None
539	0.11	1364604	08/27/02	19:24 5BA065BQD2	7	1	0	2	1	12	1	1	1	From same direction - both going straight - one stopped - rear-end	Follow Too Closely	None
539	0.11	1354875	09/24/02	18:21 7CA177CCA1	7	1	0	2	2	2	1	1	1	From same direction - one left turn - one	Other	None
539	0.11	1365037	09/29/02	10:18 1AB131AAA1	1	0	0	2	2	1	1	1	1	From same direction - one right turn - one	Improper Turn	None
539	0.11	1365041	10/09/02	19:10 3DA063DQA3	1	0	0	2	1	2	1	1	4	From same direction - both going straight - one stopped - rear-end	Inattention	None
539	0.11	1355017	11/01/02	14:43 1AA141ARA1	1	0	0	2	1	1	5	1	1	From same direction - both going straight - both moving - sideswipe	None	Did Not Grant RW to Vehicle
539	0.11	1365098	11/08/02	13:24 3DA063DQE1	1	0	0	2	2	1	1	2	1	From same direction - both going straight - one stopped - rear-end	Inattention	None
539	0.11	1354965	11/30/02	15:39 7CA157CSB1	7	1	0	2	2	1	5	1	1	From same direction - both going straight - both moving - sideswipe	None	Did Not Grant RW to Vehicle
539	0.11	1168157	12/12/02	16:15 1AA061ABA1	1	0	0	2	1	1	6	1	3	One car entering driveway access	Inattention	None
539	0.11	1156257	12/23/02	14:47 1AA061AQA3	7	1	0	2	1	2	5	1	1	From same direction - both going straight - one stopped - rear-end	Inattention	None
539	0.11	1156107	12/27/02	14:50 1AA035BCA1	1	0	0	2	2	1	6	1	1	One car entering driveway access	None	Did Not Grant RW to Vehicle
539	0.11	1168168	01/04/03	15:44 1AA061AQA6	7	1	0	2	1	1	1	1	1	From same direction - both going straight - one stopped - rear-end	Inattention	None
539	0.11	1168171	01/17/03	22:20 1AR041AAA1	1	0	0	2	1	1	5	1	4	From same direction - both going straight - both moving - sideswipe	Did Not Grant RW to Vehicle	None
539	0.11	1168484	02/07/03	13:49 1AA061AQA3	1	0	0	2	1	2	1	1	1	From same direction - both going straight - one stopped - rear-end	Inattention	None
539	0.11	0671217	02/24/03	12:58 1AQ161AAA2	7	3	0	3	2	2	5	1	1	From same direction - both going straight - one stopped - rear-end	Did Not Grant RW to Vehicle	None
539	0.11	0832714	04/12/03	15:40 5BA065BQD1	7	2	0	2	1	1	1	1	1	From same direction - both going straight - one stopped - rear-end	Inattention	None
539	0.11	1641486	04/18/03	16:50 1AA061AAA1	1	0	0	2	1	2	5	1	1	From same direction - both going straight - both moving - rear-end	Inattention	None
539	0.11	1641687	05/02/03	14:59 1AA061AAA1	1	0	0	2	1	1	1	1	1	From same direction - both going straight - both moving - rear-end	Inattention	None

A *ACCDNT / REPORT	B NUMBER	DATE	TIME	DIAGRAM ANALYSIS DATA	M # S # I F V	J S L U U I	VEH1 TYPE	VEH2 TYPE	FIRST COLLISION TYPE / OBJECT STRUCK	UNIT 1 CONTR CIRCUMSTANCE 1	UNIT 2 CONTR CIRCUMSTANCE 1
539	0.11	1641620	06/13/03	18:49 1AA061AAA3	6 5 0 3 1	2 5 2 1	From same direction - both going straight - both moving - rear-end	Inattention	None	None	
539	0.11	1364848	06/25/03	16:22 50A1330AB1	7 1 0 2 1	1 6 1 1	One car leaving driveway access	Did Not Grant RW to Vehicle	None	None	
539	0.11	1641599	06/26/03	14:53 1AC135BAD1	1 0 0 2 2	2 1 1 1	From opposite direction - one left turn - one straight	Did Not Grant RW to Vehicle	None	None	
539	0.11	C608013	07/31/03	11:45 7CH077CQB1	1 0 0 2 1	2 1 1 1	From same direction - all others	Inattention	None	None	
539	0.11	1646604	09/03/03	12:33 5BA065BQD2	1 0 0 2 1	2 5 1 1	From same direction - both going straight - one stopped - rear-end	Inattention	None	None	
539	0.11	0832521	09/20/03	13:47 7CC057CAB1	1 0 0 2 1	2 1 1 1	From same direction - one left turn - one straight	Improper Turn	None	None	
539	0.11	1641721	11/26/03	13:08 5BA065BQD1	1 0 0 2 1	1 1 2 1	From same direction - both going straight - one stopped - rear-end	Inattention	None	None	
539	0.11	1158114	12/23/03	12:35 3DQ163DAE1	7 1 0 2 2	1 1 1 1	From same direction - both going straight - one stopped - rear-end	None	Other	Other	
539	0.11	1829481	12/31/03	16:34 30C137CAB1	7 2 0 2 1	2 6 2 4	One car entering driveway access	Did Not Grant RW to Vehicle	None	None	
539	0.11	C620737	01/23/04	17:05 3DA153DSE1	1 0 0 2 1	2 1 2 4	From same direction - both going straight - both moving - sideswipe	Did Not Grant RW to Vehicle	None	None	
539	0.11	1167931	01/24/04	14:48 3DS053DAE1	1 0 0 2 1	2 1 2 1	From same direction - both going straight - both moving - sideswipe	Did Not Grant RW to Vehicle	None	None	
539	0.11	1829578	01/25/04	13:15 7CA067CQB1	1 0 0 2 2	1 1 1 1	From same direction - both going straight - one stopped - rear-end	Inattention	None	None	
539	0.11	1646103	02/02/04	18:11 3DA021AAA1	1 0 0 2 1	2 1 2 4	Entering at angle	Inattention	None	None	
539	0.11	1829619	03/22/04	12:03 1AA061AQ2	1 0 0 3 1	1 1 1 1	From same direction - both going straight - one stopped - rear-end	Inattention	None	None	
539	0.11	1801484	03/26/04	19:20 5BA713DAD2	6 1 0 1 1	1 2 4	Vehicle going straight hits pedestrian	None	Disregard Stop and Go Light	Disregard Stop and Go Light	
539	0.11	1801454	04/01/04	16:07 1AA027CCA2	1 0 0 2 1	2 1 1 1	Entering at angle	Disregard Stop and Go Light	None	None	
539	0.11	1511622	04/24/04	13:30 1AQ161AAA2	1 0 0 2 1	1 1 1 1	From same direction - both going straight - one stopped - rear-end	None	Follow Too Closely	Follow Too Closely	
539	0.11	1520375	08/27/04	14:26 5BA065BQD1	7 1 0 2 3	2 5 1 1	From same direction - both going straight - one stopped - rear-end	Follow Too Closely	None	None	
539	0.11	1520390	09/03/04	16:53 7CA735EAA7	6 1 0 1 2	6 1 1	Vehicle - Pedalcyclist	None	On Wrong Side Of	On Wrong Side Of	
539	0.11	1520282	09/22/04	20:38 5BA065BAD1	1 0 0 2 2	1 1 2 4	From same direction - both going straight - both moving - rear-end	Follow Too Closely	None	None	
539	0.11	1520271	11/02/04	17:57 7CA067CQB1	1 0 0 2 1	1 1 2 1	From same direction - both going straight - one stopped - rear-end	None	Other	Other	
539	0.11	C642244	11/03/04	10:15 1AA061AQ1	7 1 0 3 0	2 1 2 1	From same direction - both going straight - one stopped - rear-end	Improper Backing	None	None	
539	0.11	1355461	11/09/04	17:35 5BA065BQD2	1 0 0 2 1	1 1 1 4	From same direction - all others	Follow Too Closely	None	None	
539	0.11	1826733	11/18/04	11:55 5BA065BQD1	7 1 0 2 2	1 5 2 1	From same direction - both going straight - one stopped - rear-end	Follow Too Closely	None	None	
539	0.11	C639418	11/18/04	00:15 1AA161AAA1	1 0 0 3 1	2 1 2 1	From same direction - both going straight - both moving - rear-end	None	Other	Other	
539	0.11	1826806	11/23/04	16:22 5BC131AAA1	1 0 0 3 1	1 1 2 3	From opposite direction - one left turn - one straight	Did Not Grant RW to Vehicle	None	None	

A *ACCDNT / REPORT NUMBER	B SRMP	C DATE	D TIME	E M #	F S #	G I F V	H J N A E	I V E	J V E H	K T H	L C F E	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC	JD	JE	JF	JG	JH	JI	IJ	JK	KL	LM	LN	LO	LP	LQ	LR	LS	LT	LU	LV	LW	LX	LY	LZ	MA	MB	MC	MD	ME	MF	MG	MH	MI	MJ	MK	ML	MM	MN	MO	MP	MQ	MR	MS	MT	MU	MV	MW	MX	MY	MZ	NA	NB	NC	ND	NE	NF	NG	NH	NI	NJ	NK	NL	NM	NN	NO	NP	NQ	NR	NS	NT	NU	NV	NW	NX	NY	NZ	OA	OB	OC	OD	OE	OF	OG	OH	OI	OJ	OK	OL	OM	ON	OO	OP	OQ	OR	OS	OT	OU	OV	OW	OX	OY	OZ	PA	PB	PC	PD	PE	PF	PG	PH	PI	PJ	PK	PL	PM	PN	PO	PP	PQ	PR	PS	PT	PU	PV	PW	PX	PY	PZ	QA	QB	QC	QD	QE	QF	QG	QH	QI	QJ	QK	QL	QM	QN	QO	QP	QQ	QR	QS	QT	QU	QV	QW	QX	QY	QZ	RA	RB	RC	RD	RE	RF	RG	RH	RI	RJ	RK	RL	RM	RN	RO	RP	RQ	RR	RS	RT	RU	RV	RW	RX	RY	RZ	SA	SB	SC	SD	SE	SF	SG	SH	SI	SJ	SK	SL	SM	SN	SO	SP	SQ	SR	SS	ST	SU	SV	SW	SX	SY	SZ	TA	TB	TC	TD	TE	TF	TG	TH	TI	TJ	TK	TL	TM	TN	TO	TP	TQ	TR	TS	TU	TV	TW	TX	TY	TZ	UA	UB	UC	UD	UE	UF	UG	UH	UI	UJ	UK	UL	UM	UN	UO	UP	UQ	UR	US	UT	UU	UV	UW	UX	UY	UZ	VA	VB	VC	VD	VE	VF	VG	VH	VI	VJ	VK	VL	VM	VN	VO	VP	VQ	VR	VS	VT	VU	VV	VW	VX	VY	VZ	WA	WB	WC	WD	WE	WF	WG	WH	WI	WJ	WK	WL	WM	WN	WO	WP	WQ	WR	WS	WT	WU	WV	WW	WX	WY	WZ	XA	XB	XC	XD	XE	XF	XG	XH	XI	XJ	XK	XL	XM	XN	XO	XP	XQ	XR	XS	XT	XU	XV	XW	XX	XY	XZ	YA	YB	YC	YD	YE	YF	YG	YH	YI	YJ	YK	YL	YM	YN	YO	YP	YQ	YR	YS	YT	YU	YV	YW	YX	YZ	ZA	ZB	ZC	ZD	ZE	ZF	ZG	ZH	ZI	ZJ	ZK	ZL	ZM	ZN	ZO	ZP	ZQ	ZR	ZS	ZT	ZU	ZV	ZW	ZX	ZY	ZZ
539	0.11	C640717	11/23/04	20:10	1AA061AQA1	1	0	0	2	2	2	1	2	1	2	4	From same direction - both going straight - one stopped - rear-end	None	UNIT 1 CONTR CIRCUMSTANCE 1	UNIT 2 CONTR CIRCUMSTANCE 1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
539	0.11	1520585	11/30/04	17:08	1AA061AQA2	7	1	0	3	1	2	5	2	4	From same direction - both going straight - one stopped - rear-end	Inattention	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	1520313	12/06/04	15:17	1AA061AAA2	1	0	0	2	2	2	5	2	1	From same direction - both going straight - both moving - rear-end	Inattention	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	1826752	12/24/04	13:41	1BA151BSD6	1	0	0	2	2	1	1	1	1	From same direction - both going straight - both moving - sideswipe	Improper Passing	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	C642187	12/28/04	14:20	7CA1350BB1	7	1	0	2	1	3	6	1	1	One car leaving driveway access	None	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	1520040	01/14/05	17:49	7CB147CBD1	1	0	0	2	1	1	1	4	4	Same direction -- both turning right -- both moving -- sideswipe	Other	Other	Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	1825068	03/15/05	11:57	1BR041BAD2	1	0	0	2	2	1	5	1	1	From same direction - both going straight - both moving - sideswipe	Did Not Grant RW to Vehicle	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	1829798	03/16/05	12:54	10C027CAB1	7	1	0	2	1	1	6	2	1	One car leaving driveway access	Did Not Grant RW to Vehicle	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	1825158	03/26/05	19:22	5BA065BQD1	1	0	0	2	2	2	1	2	5	From same direction - both going straight - one stopped - rear-end	Follow Too Closely	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	1512426	04/11/05	13:11	1AA061AQA1	1	0	0	2	1	2	4	2	1	From same direction - both going straight - one stopped - rear-end	Inattention	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	1520668	05/03/05	18:20	7CA031AAA2	1	0	0	2	1	2	1	1	1	Entering at angle	Disregard Stop and Go Light	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	1512702	06/08/05	15:40	5BA065BQD2	7	1	0	2	1	1	1	2	1	From same direction - both going straight - one stopped - rear-end	Inattention	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	1512448	06/15/05	14:12	1AA061AQA6	1	0	0	2	1	2	1	1	1	From same direction - both going straight - one stopped - rear-end	Inattention	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	1828277	06/19/05	10:23	1AA061AAA1	7	1	0	2	1	2	1	1	1	From same direction - both going straight - both moving - rear-end	Exceeding Reas. Safe Speed	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	1512685	07/14/05	12:05	30C077CAB1	5	1	0	2	1	12	6	1	1	One car entering driveway access	Did Not Grant RW to Vehicle	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	1512642	08/01/05	12:03	1AA061AQA1	1	0	0	4	1	2	1	1	1	From same direction - both going straight - one stopped - rear-end	Inattention	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	1825982	08/16/05	17:04	1AA061AQA1	7	3	0	2	2	1	1	1	1	From same direction - both going straight - one stopped - rear-end	Inattention	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	1520050	09/03/05	14:42	7CC127CAB1	1	0	0	2	2	1	6	1	1	One car entering driveway access	Other	Other	Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	1827080	10/01/05	15:25	7CC057CAB1	1	0	0	2	1	1	6	1	1	One car entering driveway access	Improper Turn	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	1512586	10/01/05	21:25	30F0530AB1	1	0	0	2	1	1	5	2	4	From same direction - both going straight - both moving - sideswipe	Improper Passing	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	1826020	10/19/05	12:19	30C077CAB1	1	0	0	2	1	2	6	2	1	One car entering driveway access	Did Not Grant RW to Vehicle	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	1824598	10/29/05	17:50	7CC127CAB1	7	1	0	2	2	1	6	2	3	One car entering driveway access	Improper Turn	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	1827156	12/13/05	17:52	1AA061AAA1	1	0	0	2	5	2	1	2	4	From same direction - both going straight - one stopped - rear-end	Inattention	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	1512668	12/20/05	20:37	5BA065BQD1	7	2	0	2	1	2	1	2	4	From same direction - both going straight - one stopped - rear-end	Under Influence of Alcohol	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	1826454	12/22/05	11:23	30C027CAB1	1	0	0	2	2	2	6	2	1	One car entering driveway access	Did Not Grant RW to Vehicle	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	2339907	01/17/06	15:36	5BA127CCD1	1	0	0	2	6	1	1	1	1	Entering at angle	Disregard Stop and Go Light	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
539	0.11	2340035	01/26/06	12:09	50A0230AB1	1	0	0	2	1	2	6	2	1	One car leaving driveway access	Did Not Grant RW to Vehicle	None	None																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

A *ACCDNT / REPORT	B NUMBER	DATE	TIME	DIAGRAM ANALYSIS DATA	M #	S #	I F	V	J S L	U U I	VEH1 TYPE	VEH2 TYPE	FIRST COLLISION TYPE / OBJECT STRUCK	UNIT 1 CONTR CIRCUMSTANCE 1	UNIT 2 CONTR CIRCUMSTANCE 1	
539	0.11	2693590	05/22/07	20:24 1AA061AQA1	7	2	0	2	2	1	1	1	1	From same direction - both going straight - one stopped - rear-end	Other	None
539	0.11	3058026	05/23/07	11:33 5BA065BAD1	1	0	0	2	1	12	1	1	1	From same direction - both going straight - both moving - rear-end	Follow Too Closely	None
539	0.11	2693844	06/16/07	13:14 30C137CAB1	1	0	0	2	2	1	6	1	1	One car entering driveway access	Improper Turn	None
539	0.11	C688684	06/30/07	15:40 5BA145BRD1	1	0	0	2	1	5	5	1	1	From same direction - both going straight - both moving - sideswipe		None
539	0.11	2469511	07/21/07	16:55 30C077CAB1	1	0	0	2	1	2	6	2	1	One car entering driveway access	Did Not Grant RW to Vehicle	None
539	0.11	2594148	07/24/07	16:30 1AR061AQA1	7	1	0	2	2	1	1	1	1	From same direction - both going straight - one stopped - rear-end	Inattention	None
539	0.11	2469721	08/01/07	17:50 5BA065BAD1	1	0	0	2	1	2	1	1	1	From same direction - both going straight - both moving - rear-end	Inattention	None
539	0.11	C692831	08/04/07	13:30 5BQ165BAD1	7	1	0	2	1	1	1	1	1	From same direction - both going straight - one stopped - rear-end		None
539	0.11	3058161	08/20/07	15:03 1AS051AAA3	1	0	0	2	1	1	5	1	1	From same direction - both going straight - both moving - sideswipe	Did Not Grant RW to Vehicle	None
539	0.11	2594070	08/24/07	12:11 3DA023DCD1	1	0	0	2	1	1	1	1	1	From same direction - one left turn - one	Improper Turn	None
539	0.11	2735990	08/30/07	21:07 5BR065BRD2	1	0	0	2	1	1	5	1	4	From same direction - both going straight - both moving - rear-end	Follow Too Closely	None
539	0.11	2864883	10/05/07	13:18 10B0330AB1	1	0	0	2	2	1	6	1	1	One car leaving driveway access	Improper Turn	None
539	0.11	2864664	10/08/07	13:55 5BC131AAA1	1	0	0	2	1	1	6	1	1	One car entering driveway access	Did Not Grant RW to Vehicle	None
539	0.11	2467375	10/20/07	16:07 7CA147CRB1	1	0	0	2	1	1	5	1	1	From same direction - both going straight - both moving - sideswipe	None	Did Not Grant RW to Vehicle
539	0.11	2594421	11/30/07	13:53 10A077CAB1	1	0	0	2	1	1	6	1	1	One car leaving driveway access	Did Not Grant RW to Vehicle	None
539	0.11	2865245	12/14/07	16:32 1AS051AAA2	7	1	0	2	1	1	5	2	4	From same direction - both going straight - both moving - sideswipe	Did Not Grant RW to Vehicle	None
539	0.11	3058234	12/23/07	13:50 7CC047CCD1	1	0	0	2	1	1	1	2	1	Same direction -- both turning left -- both moving -- sideswipe	Improper Turn	None
539	0.11	C698386	01/11/08	14:45 1AQ161AAA1	1	0	0	2	1	2	1	1	1	From same direction - both going straight - one stopped - rear-end		None
539	0.11	2943778	02/09/08	12:17 1AS061AQA1	1	0	0	2	1	2	1	2	1	From same direction - both going straight - one stopped - rear-end	Disregard Yield Sign - Flashing Yellow	None
539	0.11	2864344	03/03/08	08:12 1AS061AQA1	1	0	0	2	1	1	1	2	1	From same direction - both going straight - one stopped - rear-end	Follow Too Closely	None
539	0.11	2864349	03/05/08	14:19 1AA137CBA2	1	0	0	2	4	1	6	1	1	One car leaving driveway access	None	Did Not Grant RW to Vehicle
539	0.11	2864109	03/08/08	19:51 1AB061ABB1	1	0	0	2	1	2	1	1	4	Same direction -- both turning right -- both moving -- rear end	Inattention	None
539	0.11	2943781	03/28/08	18:06 1AS061AQA1	1	0	0	2	2	2	1	2	3	From same direction - both going straight - one stopped - rear-end	Inattention	None
539	0.11	2876693	03/29/08	14:40 1AA061AQA1	7	1	0	2	2	2	1	1	1	From same direction - both going straight - one stopped - rear-end	Exceeding Reas. Safe Speed	None
539	0.11	C703926	05/07/08	16:50 1AR161AAA2	7	1	0	2	1	0	5	1	1	From same direction - both going straight - both moving - rear-end		None

A *ACCDNT / REPORT	B NUMBER	DATE	TIME	DIAGRAM ANALYSIS DATA	M #	# #	S #	I F V	J S L	U U I	VEH1 TYPE	VEH2 TYPE	FIRST COLLISION TYPE / OBJECT STRUCK	UNIT 1 CONTR CIRCUMSTANCE 1	UNIT 2 CONTR CIRCUMSTANCE 1			
539	0.11	2864601	05/09/08	12:43	5BA065BQD1	1	0	0	3	1	2	1	1	1	1	From same direction - both going straight - one stopped - rear-end	Driver Operating Handheld Telecommunicat	None
539	0.11	2864408	05/28/08	12:05	5BA065BQD2	1	0	0	2	1	2	1	1	1	1	From same direction - both going straight - one stopped - rear-end	Driver Distractions Outside Vehicle	None
539	0.11	C706826	06/03/08	13:47	5BQ165BAD1	6	1	0	3	1	2	1	2	1	1	From same direction - both going straight - one stopped - rear-end		None
539	0.11	2944180	06/03/08	13:47	5BA065BQD1	7	1	0	3	2	1	1	2	1	1	From same direction - both going straight - one stopped - rear-end	Inattention	None
539	0.11	2864411	06/03/08	08:50	1AW161AAA3	1	0	0	2	1	2	5	2	1	1	From same direction - both going straight - one stopped - rear-end	Other	Other
539	0.11	2864414	06/06/08	10:47	3DB053DBE1	1	0	0	2	6	2	1	1	1	1	Same direction -- both turning right -- both moving -- sideswipe	Other	None
539	0.11	2469143	07/12/08	21:36	3DB133DBD1	1	0	0	2	2	2	1	1	4	1	Same direction -- both turning right -- both moving -- sideswipe	Improper Turn	None
539	0.11	2944007	07/16/08	06:15	1AA061AQA3	0	0	0	2	0	2	1	9	9	1	From same direction - both going straight - one stopped - rear-end	Other	Other
539	0.11	2864548	07/17/08	09:41	1AR041AAA3	1	0	0	3	1	1	1	1	1	1	From same direction - both going straight - both moving - sideswipe	Did Not Grant RW to Vehicle	None
539	0.11	2864266	07/19/08	11:22	1AB021AAA1	1	0	0	2	1	1	6	1	1	1	One car entering driveway access	Improper Turn	None
539	0.11	2469147	08/02/08	17:36	1AA061AQA2	7	1	0	2	2	2	1	1	1	1	From same direction - both going straight - one stopped - rear-end	Follow Too Closely	None
539	0.11	2944502	08/06/08	12:57	1AS061AQA2	7	3	0	2	2	2	5	1	1	1	From same direction - both going straight - one stopped - rear-end	Follow Too Closely	None
539	0.11	2593798	08/14/08	18:06	1AR041AAA1	1	0	0	2	2	3	5	1	1	1	From same direction - both going straight - both moving - sideswipe	Did Not Grant RW to Vehicle	None
539	0.11	2945027	09/19/08	19:47	1AA061ASA3	7	1	0	2	12	1	1	1	4	1	From same direction - both going straight - both moving - rear-end	Under Influence of Alcohol	Improper Signal
539	0.11	2864025	09/20/08	17:18	5BA065BQD1	1	0	0	2	1	2	5	2	1	1	From same direction - both going straight - one stopped - rear-end	Inattention	None
539	0.11	2944674	10/08/08	19:35	5BA065BQD1	1	0	0	4	1	2	1	1	4	1	From same direction - both going straight - one stopped - rear-end	Follow Too Closely	None
539	0.11	2944459	10/30/08	16:23	1AA061AAA2	7	1	0	2	1	1	5	2	1	1	From same direction - both going straight - both moving - rear-end	Follow Too Closely	None
539	0.11	C711995	11/03/08	14:20	1AQ161AAA1	7	1	0	2	1	2	1	2	1	1	From same direction - both going straight - one stopped - rear-end		None
539	0.11	3058681	11/12/08	14:10	5BA065BQD1	1	0	0	2	1	2	1	2	1	1	From same direction - both going straight - one stopped - rear-end	Follow Too Closely	None
539	0.11	2944736	11/25/08	15:30	1AA061AQA3	1	0	0	4	2	1	1	2	1	1	From same direction - both going straight - one stopped - rear-end	Exceeding Reas. Safe Speed	None
539	0.11	2944741	12/11/08	16:47	1AA061AQA3	7	1	0	2	1	1	5	1	4	1	From same direction - both going straight - one stopped - rear-end	Inattention	None
539	0.11	3058762	12/16/08	10:34	1AA061AQA3	7	1	0	2	3	2	1	1	1	1	From same direction - both going straight - one stopped - rear-end	Exceeding Reas. Safe Speed	None
539	0.11	2944514	01/16/09	13:26	5BA065BQD1	1	0	0	2	1	1	5	1	1	1	From same direction - both going straight - one stopped - rear-end	Inattention	None

A *ACCDNT / REPORT	B NUMBER	DATE	TIME	DIAGRAM ANALYSIS DATA	M #	S #	I F V	J S L	U U I	VEH1 TYPE	VEH2 TYPE	FIRST COLLISION TYPE / OBJECT STRUCK	UNIT 1 CONTR CIRCUMSTANCE 1	UNIT 2 CONTR CIRCUMSTANCE 1		
539	0.11	3058768	01/16/09	50A0230AB1	1	0	0	2	2	1	6	1	1	Entering at angle	Did Not Grant RW to Vehicle	None
539	0.11	2944912	02/10/09	1AA061AQA1	1	0	0	3	2	2	1	1	1	From same direction - both going straight - one stopped - rear-end	Follow Too Closely	None
539	0.11	3217851	04/13/09	1AA061AQA1	1	0	0	3	1	1	1	1	1	From same direction - both going straight - one stopped - rear-end	Exceeding Reas. Safe Speed	None
539	0.11	3059023	05/17/09	3DB043DBD1	1	0	0	2	1	1	1	1	1	Same direction -- both turning right -- both moving -- sideswipe	Improper Turn	None
539	0.11	3058818	07/31/09	1AS051AAA3	1	0	0	2	3	1	5	1	1	From same direction - both going straight - both moving - sideswipe	Did Not Grant RW to Vehicle	None
539	0.11	3219402	08/16/09	5BA065BQD1	6	2	0	2	1	1	1	1	4	From same direction - both going straight - one stopped - rear-end	Inattention	None
539	0.11	3219509	08/28/09	1AA061AQA3	7	1	0	2	1	1	1	1	1	From same direction - both going straight - one stopped - rear-end	Follow Too Closely	None
539	0.11	3219455	09/12/09	1AB035BCA1	1	0	0	2	2	1	1	1	1	From opposite direction - one left turn - one right turn	Did Not Grant RW to Vehicle	None
539	0.11	3059093	09/24/09	5BA065BQD1	1	0	0	2	1	2	1	1	4	From same direction - both going straight - one stopped - rear-end	Exceeding Reas. Safe Speed	None
539	0.11	3218480	09/26/09	5BA065BQD1	7	1	0	2	0	2	1	1	1	From same direction - both going straight - one stopped - rear-end	Follow Too Closely	None
539	0.11	2865277	10/01/09	5BA065BQD1	6	1	0	2	2	1	1	2	3	From same direction - both going straight - one stopped - rear-end	Follow Too Closely	None
539	0.11	3218434	11/05/09	5BA037CCD3	1	0	0	2	1	1	1	2	4	Entering at angle	Other	None
539	0.11	3218015	12/06/09	7CA067CQB1	1	0	0	2	0	1	1	1	1	From same direction - both going straight - one stopped - rear-end	Follow Too Closely	None
539	0.11	3219854	03/03/10	5BA065BQD1	7	2	0	2	2	1	1	1	4	From same direction - both going straight - one stopped - rear-end	Inattention	None
539	0.11	3105105	03/17/10	30D027CAB1	1	0	0	2	1	1	1	1	1	From opposite direction - all others	Improper U-Turn	None
539	0.11	2693640	03/18/10	1AS051AAA3	1	0	0	2	3	1	5	1	1	From same direction - both going straight - both moving - sideswipe	Did Not Grant RW to Vehicle	None
539	0.11	3219697	03/29/10	7CS067CQB1	1	0	0	2	2	1	1	1	1	From same direction - both going straight - one stopped - sideswipe	Did Not Grant RW to Vehicle	None
539	0.11	3105069	04/05/10	1AR041AAA2	1	0	0	2	1	1	1	2	1	From same direction - both going straight - both moving - sideswipe	Did Not Grant RW to Vehicle	None
539	0.11	3104914	04/15/10	1AA061AAA3	1	0	0	2	2	1	5	1	1	From same direction - both going straight - one stopped - rear-end	Exceeding Reas. Safe Speed	None
539	0.11	3104891	04/25/10	5BA065BQD6	1	0	0	4	1	1	1	1	1	From same direction - both going straight - one stopped - rear-end	Operating Defective Equipment	None
539	0.11	3105026	05/20/10	5BA065BQD1	7	3	0	4	1	1	1	1	4	From same direction - both going straight - one stopped - rear-end	Follow Too Closely	None
539	0.11	3218766	06/01/10	1AS041AQA2	1	0	0	2	2	1	1	1	1	From same direction - both going straight - one stopped - sideswipe	Inattention	None
539	0.11	3219789	06/08/10	3DA063DQE1	7	1	0	2	1	1	1	1	1	From same direction - both going straight - one stopped - rear-end	Follow Too Closely	None

STATE OF WASHINGTON - DEPARTMENT OF TRANSPORTATION
 STANDARD COLLISION HISTORY DETAIL REPORT
 SORTED BY SR/SRMP/DATE

DATE TIME
 08/31/11 07:38 AM

UNDER 23 UNITED STATES CODE - SECTION 409, THIS
 DATA CANNOT BE USED IN DISCOVERY OR AS EVIDENCE
 AT TRIAL IN ANY ACTION FOR DAMAGES AGAINST THE
 WSDOT, OR ANY JURISDICTIONS INVOLVED IN THE DATA

STATE ROUTE: 539

SRMP: 0.08 to 0.14

AT TELEGRAPH ROAD

*As of 1/1/2009 Citizen Reports are no longer being captured (Report # begins with "C")

TOTAL NUMBER OF COLLISIONS: 217

A	*ACCDNT / REPORT	B	NUMBER	DATE	TIME	DIAGRAM ANALYSIS DATA	M #	#	J S L	U U I	VEH1 TYPE	VEH2 TYPE	FIRST COLLISION TYPE / OBJECT STRUCK	UNIT 1 CONTR CIRCUMSTANCE 1	UNIT 2 CONTR CIRCUMSTANCE 1
539	0.11	3218876	07/01/10	10:09	1AA061AQA1	7 1 0 2 1	2	5 2 1	From same direction - both going straight - one stopped - rear-end	Inattention	None	None			
539	0.11	3218882	07/26/10	14:26	5BA065BQD1	7 1 0 2 1	2	1 1 1	From same direction - both going straight - one stopped - rear-end	Follow Too Closely	None	None			
539	0.11	3218792	08/17/10	18:06	5BR165BAD1	1 0 0 2 0	1	5 1 1	From same direction - both going straight - both moving - rear-end	None	Exceeding Reas. Speed	None			
539	0.11	2864290	09/02/10	12:38	3DR043DAE1	1 0 0 2 2	2	1 1 1	From same direction - both going straight - both moving - sideswipe	Did Not Grant RW to Vehicle	None	None			
539	0.11	3059223	09/06/10	17:05	5BA50000D1	1 0 0 2 12	1	5 2 1	Vehicle overturned	Exceeding Reas. Safe Speed	None	None			
539	0.11	3218067	09/19/10	19:11	1AA061AAA1	1 0 0 2 1	2	1 2 3	From same direction - both going straight - both moving - rear-end	Inattention	None	None			
539	0.11	3218860	09/21/10	03:00	5BA065BQD1	1 0 0 2 1	2	1 2 4	From same direction - both going straight - one stopped - rear-end	Driver Distractions Outside Vehicle	None	None			
539	0.11	3219055	09/23/10	15:17	50C0230AB1	1 0 0 2 1	1	6 2 1	Entering at angle	Did Not Grant RW to Vehicle	None	None			
539	0.11	2694098	10/23/10	16:34	1AA061AQA2	1 0 0 2 2	2	5 2 1	From same direction - both going straight - one stopped - rear-end	Inattention	None	None			
539	0.11	2943808	11/26/10	20:50	7CC057CCA2	1 0 0 2 2	2	1 2 4	Same direction -- both turning left -- both moving -- sideswipe	Improper Turn	None	None			
539	0.11	3219180	11/30/10	14:00	30C027CAB1	1 0 0 2 2	2	6 2 1	From opposite direction - one left turn - one straight	Did Not Grant RW to Vehicle	None	None			
539	0.12	1364933	09/13/03	06:45	1AS051AAA2	1 0 0 2 2	1	4 1 1	From same direction - both going straight - both moving - sideswipe	Did Not Grant RW to Vehicle	None	None			
539	0.13	1086938	06/20/01	20:21	7CC021AAA2	1 0 0 2 2	3	1 1	One car leaving driveway access	Did Not Grant RW to Vehicle	None	None			
539	0.14	1087522	12/11/01	08:04	1AA061AAA1	1 0 0 0 0	4	2 1	From same direction - both going straight - both moving - rear-end	Follow Too Closely	None	None			
539	0.14	1365095	10/01/02	13:57	5BC021AAA1	1 0 0 2 1	1	3 1 1	One car entering driveway access	Did Not Grant RW to Vehicle	None	None			
539	0.14	1641296	07/31/03	12:40	5BC071AAA1	1 0 0 2 1	1	3 1 1	One car entering driveway access	Did Not Grant RW to Vehicle	None	None			
539	0.14	2944971	11/15/08	14:48	5BC131AAA1	7 1 0 2 1	1	3 1 1	One car entering driveway access	Did Not Grant RW to Vehicle	None	None			

YEAR	TOTAL COLS	PROP DMAG COLS	POSS INJ COLS	EVID INJ COLS	SER INJ COLS	FATAL COLS	# OF INJS	# OF FTLS	# OF VEHS	ALC REL COLS	FIXD OBJ COLS	REAR END COLS	OPP DIR COLS	ENTER AT ANGLE	OVER TURN COLS	PEDL CYC COLS	PEDES COLS
2001	17	11	5	0	1	0	7	0	33	0	0	7	0	0	0	1	0
2002	26	17	9	0	0	0	12	0	54	0	0	8	2	1	0	0	0
2003	18	11	6	1	0	0	15	0	38	0	0	10	1	0	0	0	0
2004	23	16	5	2	0	0	7	0	48	0	1	12	1	2	0	1	1
2005	21	14	6	0	1	0	10	0	44	1	0	10	0	1	0	0	0
2006	20	17	3	0	0	0	6	0	41	0	0	6	0	1	0	1	0
2007	23	19	4	0	0	0	5	0	47	1	0	9	0	0	0	0	0
2008	31	19	11	1	0	0	14	0	70	1	0	24	0	0	0	0	0
2009	16	11	3	2	0	0	6	0	34	0	0	10	1	2	0	0	0
2010	22	17	5	0	0	0	8	0	49	0	0	12	2	1	1	0	0
	217	152	57	6	2	0	90	0	458	3	1	108	7	8	1	3	1

Intersection Report

City of Bellingham, WA

Friday, September 09, 2011

Intersection: MERIDIAN ST at TELEGRAPH RD

Report Period: Sunday, January 25, 2004 to Friday, June 10, 2011

YEAR: 2011

Case Number	Crash Date	Crash Time	Type of Crash	Direction Vehicle 1/Vehicle 2	Severity			Tot Veh		
					Fat	Inj	PDO			
11B03502	Fri - 01/28/2011	05:54 PM	Rear End	SB Thru / SB Thru			2	2		
11B05536	Sat - 02/12/2011	11:09 PM	Pedestrian/Cyclist Involved	EB Right / SB Thru		1		2		
11B07830	Fri - 03/04/2011	06:14 PM	Rear End	SB Thru / SB Thru			X	2		
11B08153	Mon - 03/07/2011	04:08 PM	Rear End	NB Thru / NB Thru			X	2		
11B08968	Mon - 03/14/2011	12:09 PM	Sideswipe	WB Thru / WB Thru			X	2		
11B13519	Fri - 04/22/2011	01:48 AM	Rear End	SB Thru / SB Thru			X	2		
11B15091	Wed - 05/04/2011	04:42 PM	Right Angle	EB Right / SB Thru			X	2		
11B16203	Fri - 05/13/2011	01:14 PM	Rear End	SB Thru / SB Thru		2		2		
11B16767	Tue - 05/17/2011	04:18 PM	Rear End	NB Thru / NB Thru			X	3		
11B17297	Sat - 05/21/2011	01:39 PM	Rear End	WB Thru / WB Thru			X	2		
11B17946	Thu - 05/26/2011	08:28 PM	Right Angle	EB Thru / SB Thru			X	2		
11B19105	Sat - 06/04/2011	12:33 PM	Rear End	NB Thru / NB Thru			X	2		
11B19950	Fri - 06/10/2011	04:49 PM	Rear End	SB Thru / SB Thru			X	2		
Total Crashes: 13					Totals:			3	10	13

YEAR: 2010

Case Number	Crash Date	Crash Time	Type of Crash	Direction Vehicle 1/Vehicle 2	Severity			Tot Veh
					Fat	Inj	PDO	
10B02251	Mon - 01/18/2010	03:30 PM	Other	SB Thru / SB Thru			X	2
10B05757	Sat - 02/13/2010	02:15 PM	Rear End	SB Thru / SB Thru		1		2
10B06747	Sun - 02/21/2010	05:06 PM	Rear End	EB Thru / EB Thru			X	2
10B08088	Wed - 03/03/2010	07:41 PM	Rear End	SB Thru / SB Thru		1		2
10B10195	Fri - 03/19/2010	06:07 PM	Rear End	SB Thru / SB Thru			X	2
10B11473	Mon - 03/29/2010	12:24 PM	Sideswipe	WB Thru / WB Thru			X	2
10B12420	Mon - 04/05/2010	04:27 PM	Sideswipe	NB Thru / NB Thru			X	2
10B14858	Sat - 04/24/2010	10:27 AM	Rear End	SB Thru / SB Thru			X	2
10B15026	Sun - 04/25/2010	05:52 PM	Sideswipe	SB Thru / SB Thru			X	4
10B15223	Tue - 04/27/2010	11:30 AM	Sideswipe	NB Thru / NB Thru			X	2
10B19548	Fri - 05/28/2010	11:06 AM	Approach Turn	SB Left / NB Thru			X	2

Intersection: MERIDIAN ST at TELEGRAPH RD (Cont.)**YEAR: 2010 (Cont.)**

Case Number	Crash Date	Crash Time	Type of Crash	Direction Vehicle 1/Vehicle 2	Severity			Tot Veh		
					Fat	Inj	PDO			
10B20592	Fri - 06/04/2010	01:10 PM	Rear End	NB Thru / NB Thru			X	3		
10B21239	Tue - 06/08/2010	05:58 PM	Rear End	EB Thru / EB Thru	1			2		
10B22894	Sun - 06/20/2010	04:14 PM	Rear End	NB Thru / NB Thru			X	3		
10B28099	Mon - 07/26/2010	02:26 PM	Rear End	SB Thru / SB Thru			X	2		
10B29810	Sat - 08/07/2010	06:52 PM	Rear End	SB Thru / SB Thru			X	2		
10B31210	Tue - 08/17/2010	06:06 PM	Rear End	SB Thru / SB Thru			X	2		
10B34720	Mon - 09/13/2010	03:47 PM	Sideswipe	SB Thru / SB Thru			X	2		
10B35765	Tue - 09/21/2010	03:00 AM	Rear End	SB Thru / SB Thru			X	2		
10B38690	Tue - 10/12/2010	04:30 PM	Pedestrian/Cyclist Involved	WB Right / SB Thru			X	2		
10B41005	Fri - 10/29/2010	09:22 PM	Rear End	SB Thru / SB Thru		1		2		
Total Crashes: 21					Totals:			4	17	21

YEAR: 2009

Case Number	Crash Date	Crash Time	Type of Crash	Direction Vehicle 1/Vehicle 2	Severity			Tot Veh
					Fat	Inj	PDO	
09B01384	Mon - 01/12/2009	07:14 PM	Rear End	SB Thru / SB Thru			X	2
09B01814	Fri - 01/16/2009	01:26 PM	Rear End	SB Thru / SB Thru			X	2
09B03286	Wed - 01/28/2009	05:14 PM	Backing	Bckng / NB Thru			X	2
09B10364	Thu - 03/26/2009	05:29 PM	Rear End	NB Thru / NB Thru	1			2
09B1264	Mon - 04/13/2009	05:45 PM	Rear End	NB Thru / NB Thru			X	3
09B17333	Sun - 05/17/2009	01:12 PM	Sideswipe	EB Right / EB Right			X	2
09B28078	Wed - 07/29/2009	06:32 PM	Rear End	SB Thru / SB Thru			X	2
09B30551	Sun - 08/16/2009	09:29 PM	Rear End	SB Thru / SB Thru		2		2
09B32184	Fri - 08/28/2009	10:55 AM	Rear End	NB Thru / NB Thru	1			2
09B34259	Sat - 09/12/2009	08:03 AM	Approach Turn	NB Right / SB Left			X	2
09B34705	Tue - 09/15/2009	01:52 PM	Pedestrian/Cyclist Involved	SB Thru / SB Thru		1		2
09B35423	Sun - 09/20/2009	01:28 PM	Rear End	SB Thru / SB Thru			X	2
09B36048	Thu - 09/24/2009	07:44 PM	Rear End	SB Thru / SB Thru			X	2
09B36302	Sat - 09/26/2009	09:39 AM	Rear End	SB Thru / SB Thru			X	2
09B36977	Thu - 10/01/2009	06:25 PM	Rear End	SB Thru / SB Thru		1		2
09B41654	Thu - 11/05/2009	08:28 PM	Right Angle	SB Thru / WB Left			X	2
09B41713	Fri - 11/06/2009	11:36 AM	Rear End	SB Thru / SB Thru			X	3
09B41723	Fri - 11/06/2009	01:23 PM	Rear End	SB Thru / SB Thru			X	2
09B41906	Sat - 11/07/2009	07:10 PM	Rear End	SB Thru / SB Thru			X	2

Intersection: MERIDIAN ST at TELEGRAPH RD (Cont.)**YEAR: 2009 (Cont.)**

Case Number	Crash Date	Crash Time	Type of Crash	Direction Vehicle 1/Vehicle 2	Severity			Tot Veh		
					Fat	Inj	PDO			
09B43381	Thu - 11/19/2009	01:12 PM	Sideswipe	EB Right / EB Right			X	2		
09B45106	Thu - 12/03/2009	06:15 PM	Rear End	EB Thru / EB Thru			X	2		
09B45383	Sun - 12/06/2009	02:17 PM	Rear End	WB Thru / WB Thru			X	2		
09B4656	Wed - 12/16/2009	04:04 PM	Sideswipe	NB Thru / NB Thru			X	2		
Total Crashes: 23					Totals:			5	18	23

YEAR: 2008

Case Number	Crash Date	Crash Time	Type of Crash	Direction Vehicle 1/Vehicle 2	Severity			Tot Veh		
					Fat	Inj	PDO			
08B0749	Mon - 02/25/2008	05:19 PM	Rear End	SB Thru / SB Thru			X	2		
08B08326	Sun - 03/02/2008	07:24 PM	Rear End	SB Thru / SB Thru		2		2		
08B0836	Mon - 03/03/2008	08:12 AM	Rear End	NB Thru / NB Thru			X	2		
08B09186	Sat - 03/08/2008	06:08 PM	Rear End	SB Thru / SB Thru			X	2		
08B09199	Sat - 03/08/2008	07:51 PM	Rear End	NB Right / NB Right			X	2		
08B11780	Fri - 03/28/2008	06:06 PM	Rear End	NB Thru / NB Thru			X	2		
08B17258	Fri - 05/09/2008	12:43 PM	Rear End	SB Thru / SB Thru			X	3		
08B1990	Wed - 05/28/2008	12:05 PM	Rear End	SB Thru / SB Thru			X	2		
08B20775	Tue - 06/03/2008	01:47 PM	Rear End	SB Thru / SB Thru		1		3		
08B21175	Fri - 06/06/2008	10:47 AM	Sideswipe	EB Right / EB Right			X	2		
08B24633	Sun - 06/29/2008	11:38 PM	Rear End	SB Thru / SB Thru			X	2		
08B26920	Sat - 07/12/2008	09:36 PM	Sideswipe	EB Right / EB Right			X	2		
08B2785	Wed - 07/16/2008	06:15 AM	Rear End	NB Thru / NB Thru			X	2		
08B2753	Wed - 07/16/2008	05:54 PM	Rear End	WB Right / WB Right		1		2		
08B27638	Thu - 07/17/2008	09:41 AM	Sideswipe	NB Thru / NB Thru			X	3		
08B30051	Sat - 08/02/2008	05:36 PM	Rear End	NB Thru / NB Thru		1		2		
08B31901	Thu - 08/14/2008	06:06 PM	Sideswipe	NB Thru / NB Thru			X	2		
08B3463	Mon - 09/01/2008	03:30 PM	Sideswipe	EB Left / NB Thru			X	2		
08B37189	Fri - 09/19/2008	07:47 PM	Rear End	NB Thru / NB Thru		1		2		
08B4000	Wed - 10/08/2008	07:35 PM	Rear End	SB Thru / SB Thru			X	4		
08B4473	Wed - 11/12/2008	02:10 PM	Rear End	SB Thru / SB Thru			X	2		
08B46513	Tue - 11/25/2008	03:30 PM	Rear End	NB Thru / NB Thru			X	4		
08B49040	Tue - 12/16/2008	10:34 AM	Rear End	NB Thru / NB Thru		1		2		
Total Crashes: 23					Totals:			6	17	23

Intersection: MERIDIAN ST at TELEGRAPH RD (Cont.)**YEAR: 2007**

Case Number	Crash Date	Crash Time	Type of Crash	Direction Vehicle 1/Vehicle 2	Severity			Tot Veh	
					Fat	Inj	PDO		
07B01803	Sat - 01/13/2007	02:32 PM	Sideswipe	SB Thru / SB Thru			X	2	
07B03861	Fri - 01/26/2007	01:01 PM	Rear End	NB Thru / NB Thru			X	2	
07B0800	Mon - 02/26/2007	07:39 PM	Rear End	SB Thru / SB Thru			X	4	
07B08405	Thu - 03/01/2007	04:47 PM	Rear End	SB Thru / SB Thru			X	3	
07B1108	Mon - 03/19/2007	06:43 AM	Sideswipe	NB Thru / NB Thru			X	2	
07B13393	Tue - 04/03/2007	09:18 PM	Rear End	SB Thru / SB Thru			X	2	
07B14229	Mon - 04/09/2007	11:38 AM	Sideswipe	NB Thru / NB Thru			X	2	
07B16541	Mon - 04/23/2007	05:29 PM	Rear End	WB Thru / WB Thru			X	2	
07B16849	Thu - 04/26/2007	05:35 PM	Rear End	SB Thru / SB Thru			X	3	
07B18321	Sun - 05/06/2007	02:38 PM	Rear End	WB Thru / WB Thru			X	2	
07B19599	Mon - 05/14/2007	05:25 PM	Sideswipe	NB Thru / NB Thru			X	2	
07B19660	Tue - 05/15/2007	05:39 AM	Rear End	SB Thru / SB Thru			X	2	
07B20897	Tue - 05/22/2007	08:24 PM	Rear End	NB Thru / NB Thru		1		2	
07B20968	Wed - 05/23/2007	11:33 AM	Rear End	SB Thru / SB Thru			X	2	
07B27938	Thu - 07/05/2007	03:17 PM	Sideswipe	NB Left / NB Left			X	2	
07B31045	Tue - 07/24/2007	04:30 PM	Rear End	NB Thru / NB Thru		1		2	
07B31187	Wed - 07/25/2007	03:14 PM	Sideswipe	SB Thru / SB Thru			X	2	
07B32283	Wed - 08/01/2007	05:50 PM	Rear End	SB Thru / SB Thru			X	2	
07B35765	Fri - 08/24/2007	12:11 PM	Sideswipe	EB Left / EB Left			X	2	
07B4258	Mon - 10/08/2007	01:55 PM	Approach Turn	SB Left / NB Thru			X	2	
07B44293	Sat - 10/20/2007	04:07 PM	Sideswipe	WB Thru / WB Thru			X	2	
07B49748	Wed - 11/28/2007	02:52 PM	Sideswipe	NB Thru / NB Thru			X	2	
07B52029	Fri - 12/14/2007	04:32 PM	Sideswipe	NB Thru / NB Thru		1		2	
07B53106	Sun - 12/23/2007	01:50 PM	Sideswipe	WB Left / WB Left			X	2	
Total Crashes: 24					Totals:		3	21	24

YEAR: 2006

Case Number	Crash Date	Crash Time	Type of Crash	Direction Vehicle 1/Vehicle 2	Severity			Tot Veh
					Fat	Inj	PDO	
06B02351	Tue - 01/17/2006	03:36 PM	Right Angle	SB Thru / WB Left			X	2
06B03820	Fri - 01/27/2006	10:15 AM	Rear End	NB Thru / NB Thru			X	2
06B04251	Mon - 01/30/2006	01:23 PM	Pedestrian/Cyclist Involved	NB Thru / EB Thru			X	2
06B07985	Sun - 02/26/2006	12:42 AM	Sideswipe	SB Thru / SB Thru			X	2
06B17788	Fri - 05/05/2006	06:02 PM	Rear End	NB Right / NB Right			X	2

Intersection: MERIDIAN ST at TELEGRAPH RD (Cont.)**YEAR: 2006 (Cont.)**

Case Number	Crash Date	Crash Time	Type of Crash	Direction Vehicle 1/Vehicle 2	Severity			Tot Veh		
					Fat	Inj	PDO			
06B19077	Sun - 05/14/2006	01:38 PM	Rear End	SB Thru / SB Thru			X	2		
06B20609	Mon - 05/22/2006	06:23 PM	Approach Turn	WB Left / EB Thru			X	2		
06B24285	Wed - 06/14/2006	03:16 PM	Sideswipe	EB Right / EB Right			X	2		
06B24790	Sat - 06/17/2006	11:54 AM	Rear End	NB Thru / NB Thru			X	2		
06B36563	Sat - 08/26/2006	10:58 AM	Rear End	NB Left / NB Thru			X	2		
06B42544	Tue - 10/03/2006	11:39 AM	Sideswipe	EB Right / EB Right			X	2		
06B45959	Wed - 10/25/2006	06:15 PM	Rear End	WB Thru / WB Right			X	2		
06B46254	Fri - 10/27/2006	07:00 PM	Rear End	SB Thru / SB Thru			X	3		
06B46588	Sun - 10/29/2006	12:38 PM	Rear End	SB Left / SB Left			X	2		
06B47582	Sat - 11/04/2006	06:37 PM	Rear End	WB Thru / WB Thru			X	2		
06B48454	Fri - 11/10/2006	06:09 PM	Rear End	SB Thru / SB Thru		4		4		
06B48590	Sat - 11/11/2006	04:55 PM	Right Angle	WB Thru / NB Thru			X	2		
06B50103	Tue - 11/21/2006	05:53 PM	Rear End	SB Thru / SB Thru			X	2		
06B52448	Sun - 12/10/2006	02:22 PM	Rear End	NB Thru / NB Thru			X	2		
06B52816	Wed - 12/13/2006	01:04 PM	Rear End	NB Thru / NB Thru			X	3		
06B53436	Sun - 12/17/2006	02:30 PM	Rear End	EB Thru / EB Thru			X	2		
Total Crashes: 21					Totals:			1	20	21

YEAR: 2005

Case Number	Crash Date	Crash Time	Type of Crash	Direction Vehicle 1/Vehicle 2	Severity			Tot Veh		
					Fat	Inj	PDO			
05B14260	Mon - 04/11/2005	01:11 PM	Rear End	NB Thru / NB Thru			X	2		
05B23748	Wed - 06/08/2005	03:40 PM	Rear End	SB Thru / SB Thru		1		2		
05B27395	Fri - 07/01/2005	01:24 PM	Rear End	NB Thru / NB Thru			X	2		
05B31025	Sat - 07/23/2005	04:35 PM	Rear End	SB Thru / SB Thru			X	2		
05B3244	Mon - 08/01/2005	02:03 PM	Rear End	NB Thru / NB Thru			X	4		
05B42511	Mon - 10/03/2005	05:13 PM	Rear End	SB Thru / SB Thru			X	3		
05B43484	Sun - 10/09/2005	02:19 PM	Right Angle	WB Thru / SB Thru			X	2		
05B44601	Sun - 10/16/2005	03:36 PM	Rear End	SB Thru / SB Thru			X	3		
05B46624	Sat - 10/29/2005	05:50 PM	Sideswipe	WB Left / WB Thru		1		2		
05B51580	Sat - 12/03/2005	05:07 PM	Backing	Bckng / NB Thru			X	2		
05B52969	Tue - 12/13/2005	05:52 PM	Rear End	NB Thru / NB Thru			X	2		
05B53771	Mon - 12/19/2005	05:09 PM	Approach Turn	NB Left / SB Thru			X	2		
Total Crashes: 12					Totals:			2	10	12

Intersection: MERIDIAN ST at TELEGRAPH RD (Cont.)**YEAR: 2004**

Case Number	Crash Date	Crash Time	Type of Crash	Direction Vehicle 1/Vehicle 2	Severity			Tot Veh	
					Fat	Inj	PDO		
04B03763	Sun - 01/25/2004	01:15 PM	Rear End	WB Thru / WB Thru			X	2	
04B04949	Mon - 02/02/2004	06:11 PM	Right Angle	EB Thru / NB Thru			X	2	
04B07105	Tue - 02/17/2004	04:42 PM	Sideswipe	WB Thru / WB Thru			X	2	
04B13228	Fri - 03/26/2004	07:20 PM	Pedestrian/Cyclist Involved	SB Thru / EB Thru		1		2	
04B14105	Thu - 04/01/2004	04:07 PM	Right Angle	NB Thru / WB Left			X	2	
04B18555	Sat - 04/24/2004	01:30 PM	Rear End	NB Thru / NB Thru			X	2	
04B26742	Tue - 06/15/2004	02:50 PM	Rear End	NB Thru / NB Thru			X	2	
04B28093	Tue - 06/22/2004	04:20 PM	Rear End	NB Thru / NB Thru			X	3	
04B29867	Fri - 07/02/2004	02:52 PM	Rear End	SB Thru / SB Thru			X	3	
04B41825	Tue - 09/07/2004	11:37 AM	Rear End	EB Thru / EB Thru		1		2	
04B42329	Fri - 09/10/2004	01:27 PM	Sideswipe	EB Thru / EB Thru			X	2	
04B50684	Tue - 11/02/2004	05:57 PM	Rear End	WB Thru / WB Thru			X	2	
04B51775	Tue - 11/09/2004	05:35 PM	Backing	EB Thru / Bckng			X	2	
Total Crashes: 13					Totals:		2	11	13

REPORT TOTALS:

Number of Crashes:	150	
Number of Fatalities:	0	(0.00%)
Number of Injuries:	26	(17.33%)
Number of PDOs:	124	(82.67%)
Number of Vehicles Involved:	328	
Number of People Killed:	0	(0.00%)
Number of People Injured:	33	(22.00%)
Crash Rate:	1.30	

Intersection Summary Report

City of Bellingham, WA

Friday, September 09, 2011

Intersection: MERIDIAN ST at TELEGRAPH RD

Report Period: Sunday, January 25, 2004 to Friday, June 10, 2011

STREET NAME	DIRECTION	SPEED LIMIT	TRAFFIC CONTROL
MERIDIAN ST	North/South	25	Signals
TELEGRAPH RD	East/West	35	Signals

SEVERITY	2011	2010	2009	OTHERS	TOTALS	%
Fatals	0/0	0/0	0/0	0/0	0	0.00
Injuries	3/5	4/4	5/6	14/18	26	17.33
Property Damage Only	10	17	18	79	124	82.67
TOTALS	13	21	23	93	150	100.00

TYPE OF CRASH	2011	2010	2009	OTHERS	TOTALS	%
Right Angle	2		1	5	8	5.33
Sideswipe	1	5	3	22	31	20.67
Rear End	9	13	16	59	97	64.67
Head On					0	0.00
Fixed Object/Parked Vehicle					0	0.00
Approach Turn		1	1	3	5	3.33
Pedestrian/Byclist Involved	1	1	1	2	5	3.33
Backing			1	2	3	2.00
Other		1			1	0.67
TOTALS	13	21	23	93	150	100.00

TIME OF DAY	2011	2010	2009	OTHERS	TOTALS	%
Mid - 1:59	1			1	2	1.33
2:00 - 3:59		1			1	0.67
4:00 - 5:59				1	1	0.67
6:00 - 7:59				2	2	1.33
8:00 - 9:59			2	2	4	2.67
10:00 - 11:59		3	2	9	14	9.33
Noon - 13:59	4	2	6	16	28	18.67
14:00 - 15:59		4	1	18	23	15.33
16:00 - 17:59	5	6	4	24	39	26.00
18:00 - 19:59	1	4	6	16	27	18.00
20:00 - 21:59	1	1	2	3	7	4.67
22:00 - 23:59	1			1	2	1.33
TOTALS	13	21	23	93	150	100.00

Intersection Summary Report (cont)

City of Bellingham, WA

Friday, September 09, 2011

Intersection: MERIDIAN ST at TELEGRAPH RD

Report Period: Sunday, January 25, 2004 to Friday, June 10, 2011

DAY OF WEEK	2011	2010	2009	OTHERS	TOTALS	%
Sunday		3	4	12	19	12.67
Monday	2	5	2	16	25	16.67
Tuesday	1	5	1	17	24	16.00
Wednesday	1	1	3	13	18	12.00
Thursday	1		6	6	13	8.67
Friday	5	4	4	15	28	18.67
Saturday	3	3	3	14	23	15.33
TOTALS	13	21	23	93	150	100.00

LIGHT CONDITIONS	2011	2010	2009	OTHERS	TOTALS	%
Daylight	9	18	16	68	111	74.00
Dawn				1	1	0.67
Dusk	1		2	4	7	4.67
Dark - Street Lights On	3	3	5	19	30	20.00
Dark - Street Lights Off					0	0.00
Dark - No Street Lights				1	1	0.67
Other					0	0.00
Unknown					0	0.00
TOTALS	13	21	23	93	150	100.00

WEATHER	2011	2010	2009	OTHERS	TOTALS	%
Clear/Partly Cloudy	9	14	17	60	100	66.67
Overcast	1	2	3	14	20	13.33
Raining	3	5	3	18	29	19.33
Snowing				1	1	0.67
Fog/Smog/Smoke					0	0.00
Sleet/Hail/Freezing Rain					0	0.00
Severe Crosswind					0	0.00
Blowing Sand/Dirt/Snow					0	0.00
Other					0	0.00
Unknown					0	0.00
TOTALS	13	21	23	93	150	100.00

Intersection Summary Report (cont)

City of Bellingham, WA

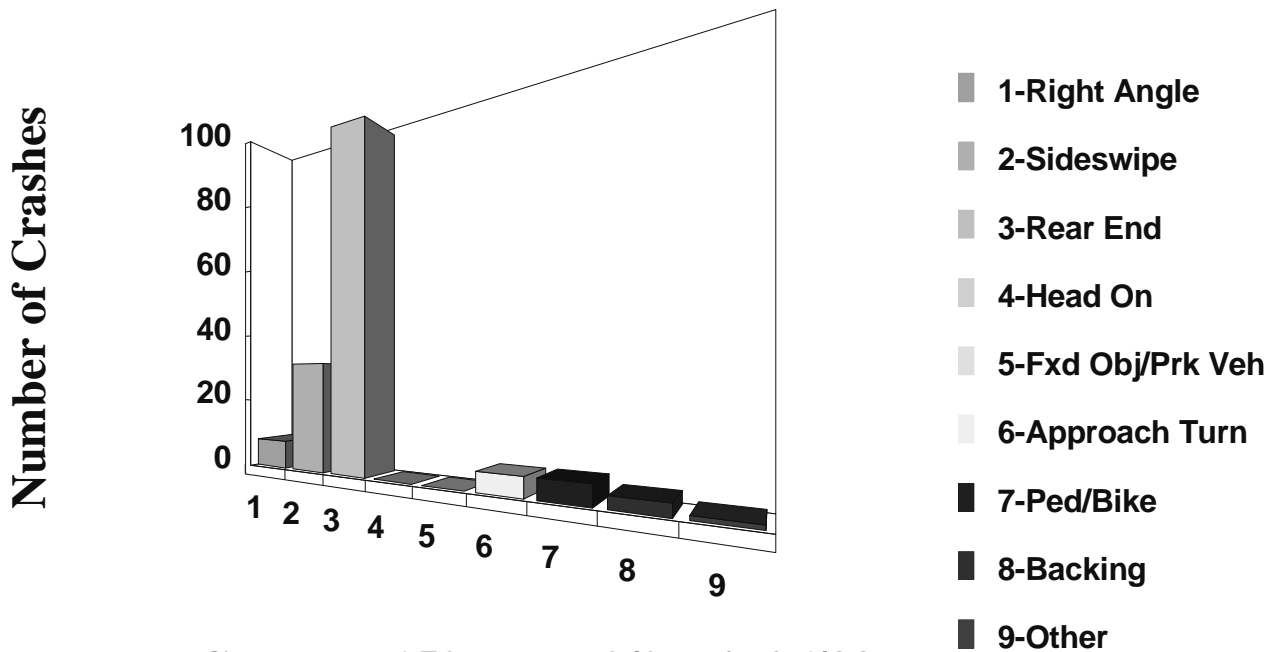
Friday, September 09, 2011

Intersection: MERIDIAN ST at TELEGRAPH RD

Report Period: Sunday, January 25, 2004 to Friday, June 10, 2011

ROADWAY CONDITION	2011	2010	2009	OTHERS	TOTALS	%
Dry	9	15	16	68	108	72.00
Wet	4	6	7	24	41	27.33
Snow/Slush				1	1	0.67
Ice					0	0.00
Sand/Mud/Dirt					0	0.00
Oil					0	0.00
Standing Water					0	0.00
Other					0	0.00
Unknown					0	0.00
TOTALS	13	21	23	93	150	100.00

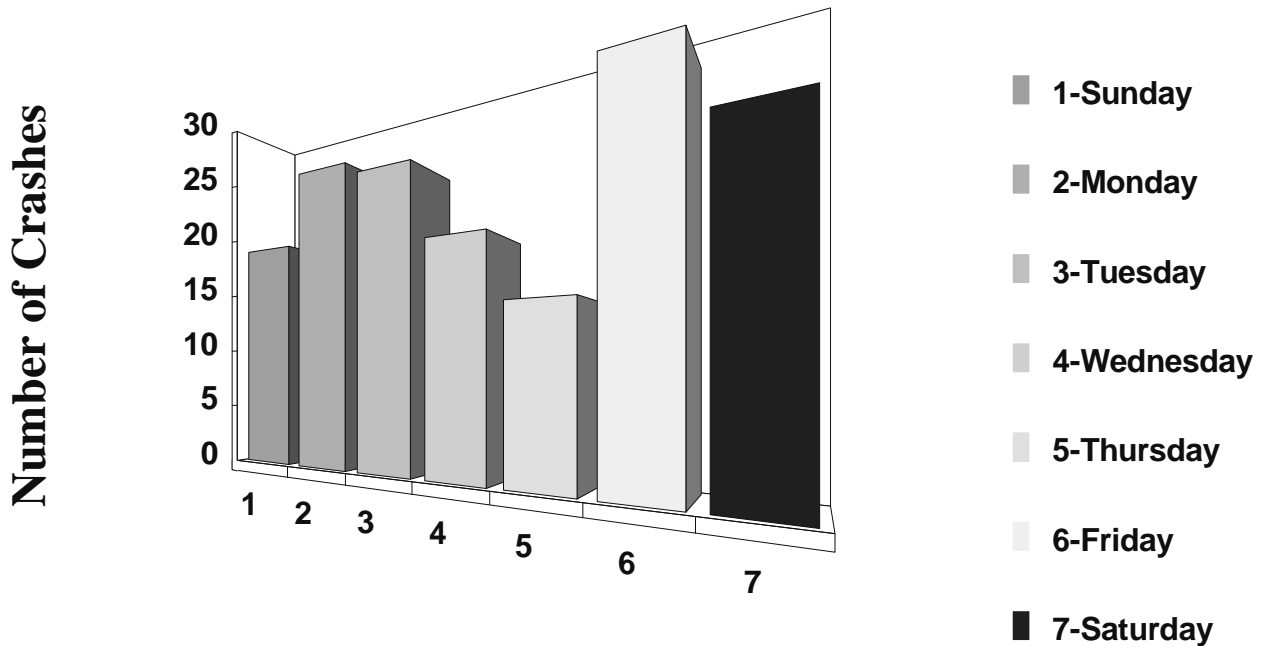
MERIDIAN ST at TELEGRAPH RD 01/25/2004 to 06/10/2011



**Total Crashes: 150 - Fat: 0/0 Inj: 26/33
PDO: 124**

TYPE OF CRASH	# OF CRASHES	TYPE OF CRASH	# OF CRASHES
Right Angle	8	Parked Veh./Fixed Object	0
Sideswipe	31	Ped./Cycle Involved	5
Rear End	97	Backing	3
Head On	0	Other	1
Approach Turn	5		

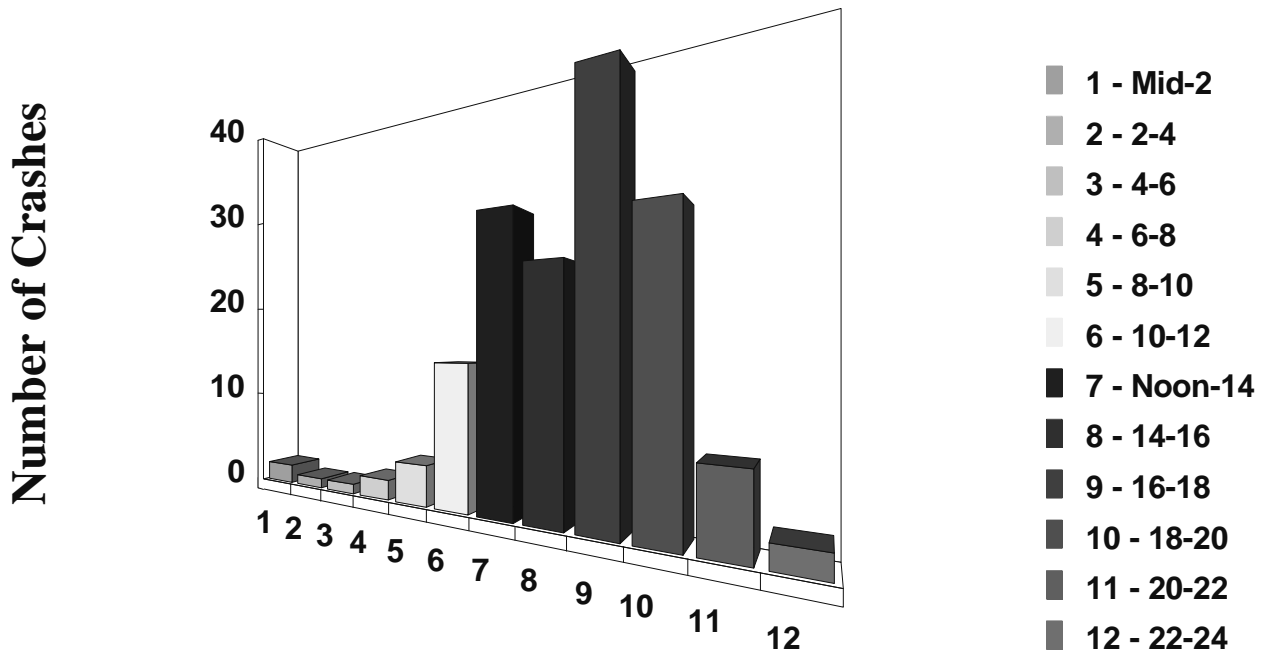
MERIDIAN ST at TELEGRAPH RD 01/25/2004 to 06/10/2011



**Total Crashes: 150 - Fat: 0/0 Inj: 26/33 PDO:
124**

DAY OF WEEK	# OF CRASHES	DAY OF WEEK	# OF CRASHES
Sunday	19	Thursday	13
Monday	25	Friday	28
Tuesday	24	Saturday	23
Wednesday	18		

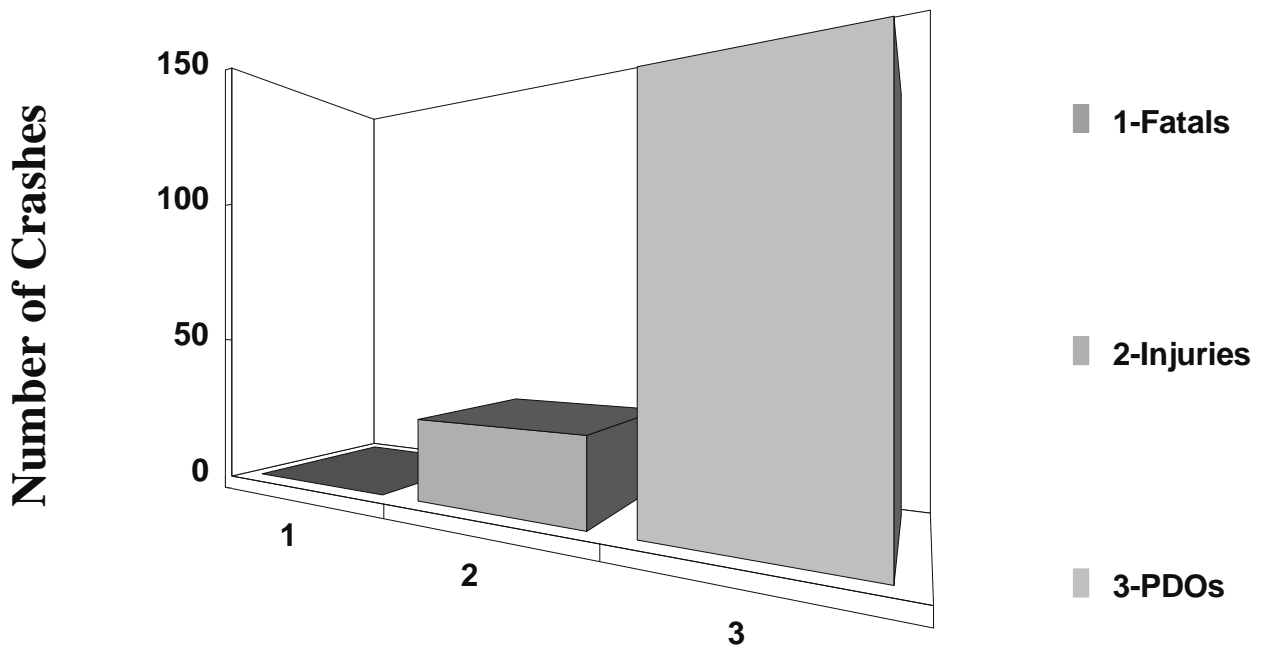
MERIDIAN ST at TELEGRAPH RD 01/25/2004 to 06/10/2011



Total Crashes: 150 - Fat: 0/0 Inj: 26/33 PDO: 124

TIME OF DAY	# OF CRASHES	TIME OF DAY	# OF CRASHES
Mid - 1:59	2	Noon - 13:59	28
2:00 - 3:59	1	14:00 - 15:59	23
4:00 - 5:59	1	16:00 - 17:59	39
6:00 - 7:59	2	18:00 - 19:59	27
8:00 - 9:59	4	20:00 - 21:59	7
10:00 - 11:59	14	22:00 - 23:59	2

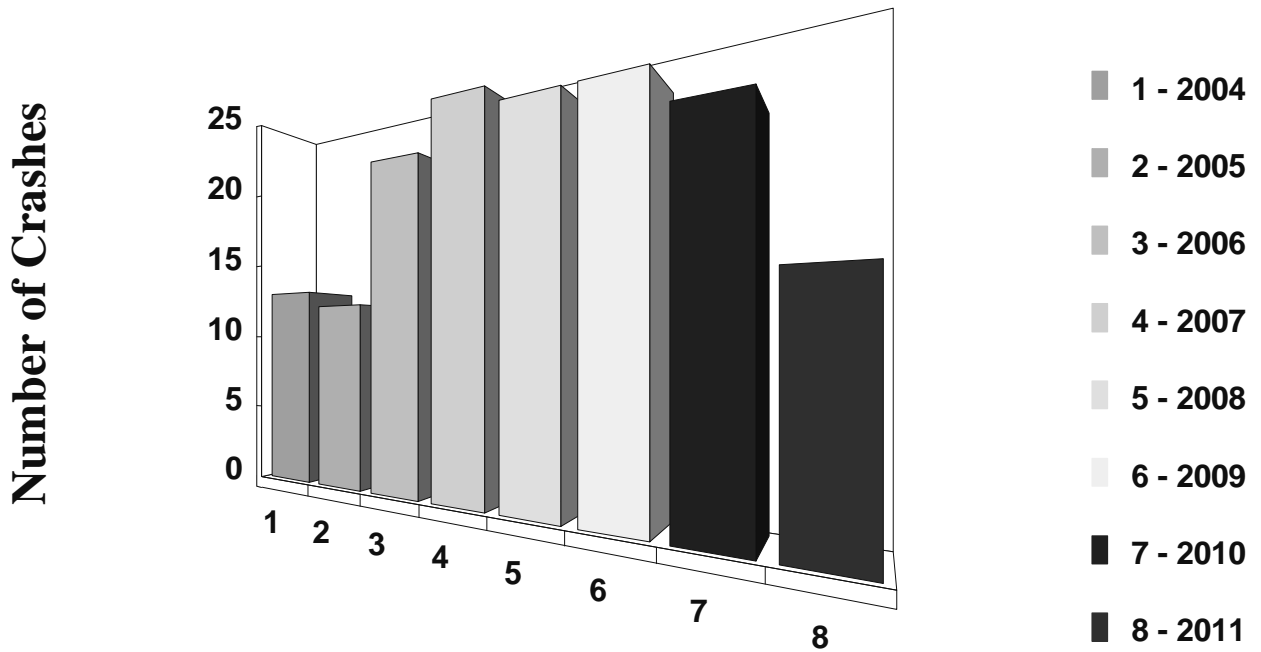
MERIDIAN ST at TELEGRAPH RD 01/25/2004 to 06/10/2011



Total Crashes: 150 - Fat: 0/0 Inj: 26/33 PDO: 124

SEVERITY	TOTALS
Fatal Crashes	0
Total Fatalities	0
Injury Crashes	26
Total Injuries	33
Property Damage Only	124

MERIDIAN ST at TELEGRAPH RD 01/25/2004 to 06/10/2011



Total Crashes: 150 - Fat: 0/0 Inj: 26/33 PDO: 124

YEAR	# OF CRASHES	YEAR	# OF CRASHES
2004	13	2008	23
2005	12	2009	23
2006	21	2010	21
2007	24	2011	13

**Axis Violation Incident Monitoring System
Site Data Report**

VIMS_review_date between 5/24/2010 and 6/12/2010



Bellingham, WA NB Meridian St / RT 539 @ Telegraph Rd VIMS report

VIMS Site Details	
VIMS Site #	
Installation Technician	Andrew Beckles
City / State	Bellingham / WA
Intersection Approach Name	Meridian St / RT 539 @ Telegraph Rd
Approach Direction of Traffic (NB/SB/EB/WB):	NB
VIMS Red Phase Record Length	~
Installation Date	18-May-10 18-May-10
Installation Day of Week	Tue Tue
Installation Time	7:03 AM 2:59 PM
De-installation Date	18-May-10 18-May-10
De-installation Time	10:59 AM 7:06 PM
Total Operational Hours	8.1

Lane and Signal Details	
Green Arrow for LT?	YES
Green Arrow for RT?	NO
Right on Red Allowed?	YES
Parking Lane?	NO
Bus Lane?	NO
Bus Stop?	NO

Other notes and installation comments:

Site Observations	
Observed traffic braking hard on Amber? - Y/N	NO
Observed high volume of traffic? - Y/N	NO



Review Details	
Review Technician Name	Tom Sentina
Date Reviewed	02-Jun-10
Report Sent To	
Date Sent	

**Axis Violation Incident Monitoring System
Site Data Report**

VIMS_review_date between 5/24/2010 and 6/12/2010



Bellingham, WA NB Meridian St / RT 539 @ Telegraph Rd VIMS report

Hour of Day	◀	▲	▶	Total
0:00:00	0	0	0	0
1:00:00	0	0	0	0
2:00:00	0	0	0	0
3:00:00	0	0	0	0
4:00:00	0	0	0	0
5:00:00	0	0	0	0
6:00:00	0	0	0	0
7:00:00	0	1	2	3
8:00:00	0	1	3	4
9:00:00	0	1	2	3
10:00:00	0	0	1	1
11:00:00	0	0	0	0
12:00:00	0	0	0	0
13:00:00	0	0	0	0
14:00:00	0	0	0	0
15:00:00	0	0	0	0
16:00:00	0	1	2	3
17:00:00	0	1	0	1
18:00:00	0	1	1	2
19:00:00	0	0	0	0
20:00:00	0	0	0	0
21:00:00	0	0	0	0
22:00:00	0	0	0	0
23:00:00	0	0	0	0
Total	0	6	11	17

