

<b>IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)</b> <b>CONTINUOUS (24 HOUR) 1 LANE CLOSURE</b> <b>DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

**SATURDAY WESTBOUND DIRECTION**

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR						AVERAGE SPEEDS IN MPH								
	MAIN ROUTE		ALTERNATE ROUTE		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		ALTERNATE ROUTE		
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN	SITE	WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	602	0.0	71	0.0	3000	602	0	71	0.36	0	70.0	55.5	49.7	19.3	19.3
1-2 AM	483	0.0	56	0.0	3000	483	0	56	0.36	0	70.1	55.5	49.7	19.4	19.4
2-3 AM	429	0.0	50	0.0	3000	429	0	50	0.36	0	70.2	55.6	49.7	19.5	19.5
3-4 AM	399	0.0	47	0.0	3000	399	0	47	0.36	0	70.2	55.6	49.7	19.5	19.5
4-5 AM	489	0.0	58	0.0	3000	489	0	58	0.36	0	70.1	55.5	49.7	19.4	19.4
5-6 AM	617	0.0	72	0.0	3000	617	0	72	0.36	0	70.0	55.5	49.7	19.3	19.3
6-7 AM	855	0.0	100	0.0	3000	855	0	100	0.35	0	69.7	55.5	49.7	19.1	19.1
7-8 AM	1293	0.0	152	0.0	3000	1293	0	152	0.35	0	69.1	55.3	49.7	18.7	18.7
8-9 AM	1793	0.0	211	0.0	3000	1793	0	211	0.34	0	68.5	55.1	49.7	18.2	18.2
9-10 AM	2324	0.0	274	0.0	3000	2324	0	274	0.33	0	67.9	55.0	49.7	17.7	17.7
10-11 AM	2753	0.0	324	0.0	3000	2753	0	324	0.57	0	67.3	48.1	41.4	17.3	17.3
11A-NOON	2816	0.0	332	0.0	3000	2816	0	332	0.61	0	67.3	47.1	40.2	17.3	17.3
NOON-1PM	2802	0.0	330	0.0	3000	2802	0	330	0.60	0	67.3	47.3	40.6	17.3	17.3
1-2 PM	2765	0.0	325	0.0	3000	2765	0	325	0.58	0	67.3	47.9	41.2	17.3	17.3
2-3 PM	2643	0.0	311	0.0	3000	2643	0	311	0.50	0	67.4	50.0	43.6	17.5	17.5
3-4 PM	2635	0.0	311	0.0	3000	2635	0	311	0.49	0	67.4	50.1	43.8	17.5	17.5
4-5 PM	2568	0.0	302	0.0	3000	2568	0	302	0.45	0	67.6	51.4	45.2	17.5	17.5
5-6 PM	2241	0.0	264	0.0	3000	2241	0	264	0.33	0	67.9	55.0	49.7	17.8	17.8
6-7 PM	1932	0.0	227	0.0	3000	1932	0	227	0.34	0	68.3	55.1	49.7	18.1	18.1
7-8 PM	1655	0.0	195	0.0	3000	1655	0	195	0.34	0	68.7	55.2	49.7	18.3	18.3
8-9 PM	1531	0.0	180	0.0	3000	1531	0	180	0.34	0	68.8	55.3	49.7	18.4	18.4
9-10 PM	1270	0.0	150	0.0	3000	1270	0	150	0.35	0	69.2	55.3	49.7	18.7	18.7
10-11 PM	960	0.0	113	0.0	3000	960	0	113	0.35	0	69.6	55.4	49.7	19.0	19.0
11PM-MID	579	0.0	68	0.0	3000	579	0	68	0.36	0	70.0	55.5	49.7	19.3	19.3

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0098
MAIN ROUTE WITH WORKS	0.0072
DIVERSION	0.0148

PIA: Personal Injury Accidents

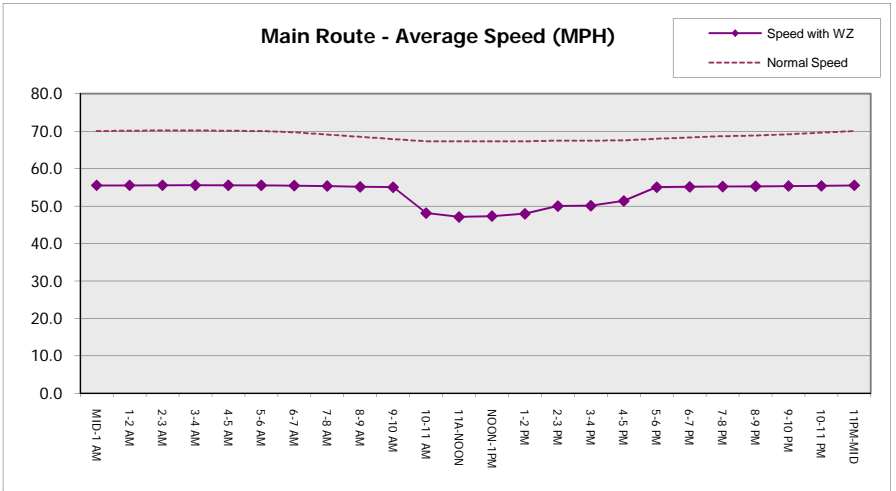
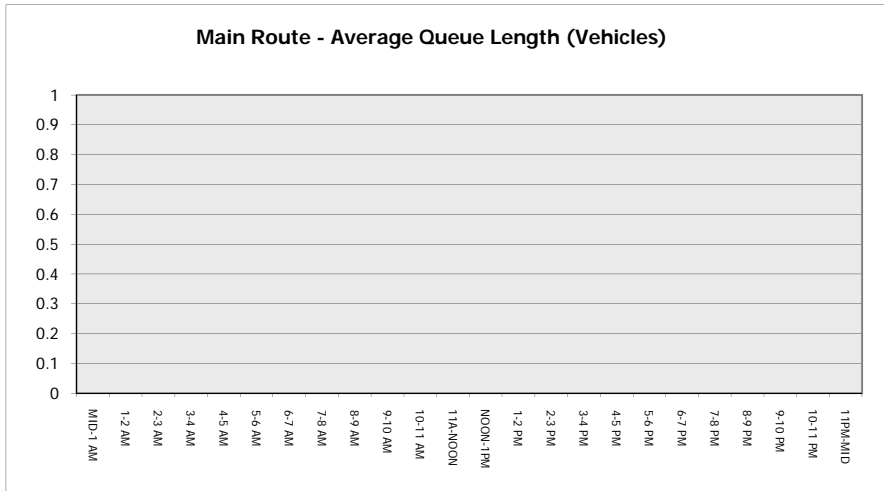
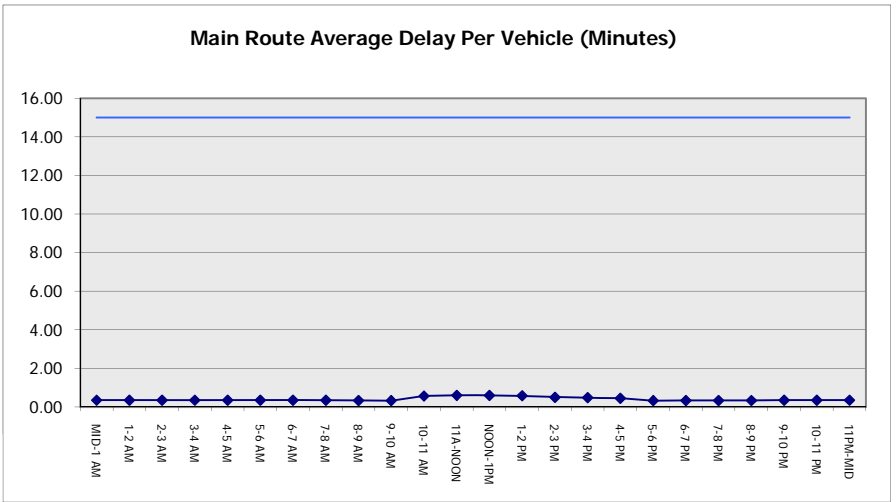
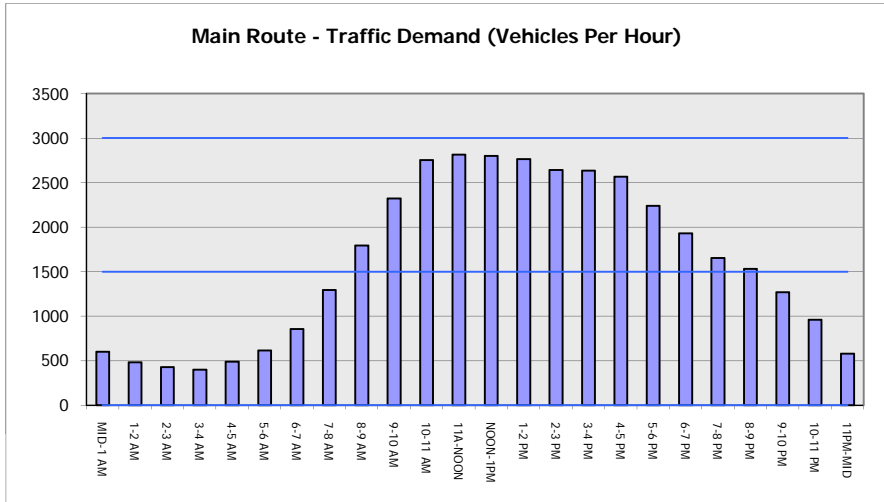
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$4,772
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)  
 CONTINUOUS (24 HOUR) 1 LANE CLOSURE  
 DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY WESTBOUND DIRECTION**



<b>IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)</b> <b>CONTINUOUS (24 HOUR) 1 LANE CLOSURE</b> <b>DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR									AVERAGE SPEEDS IN MPH					
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	ALTERNATE ROUTE	
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN		WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	584	0.0	69	0.0	3000	584	0	69	0.36	0	70.0	55.5	49.7	19.3	19.3
1-2 AM	380	0.0	45	0.0	3000	380	0	45	0.36	0	70.2	55.6	49.7	19.5	19.5
2-3 AM	301	0.0	36	0.0	3000	301	0	36	0.36	0	70.2	55.6	49.7	19.6	19.6
3-4 AM	305	0.0	36	0.0	3000	305	0	36	0.36	0	70.2	55.6	49.7	19.6	19.6
4-5 AM	452	0.0	53	0.0	3000	452	0	53	0.36	0	70.2	55.6	49.7	19.4	19.4
5-6 AM	642	0.0	75	0.0	3000	642	0	75	0.36	0	69.9	55.5	49.7	19.3	19.3
6-7 AM	1198	0.0	141	0.0	3000	1198	0	141	0.35	0	69.2	55.3	49.7	18.8	18.8
7-8 AM	2066	0.0	243	0.0	3000	2066	0	243	0.33	0	68.2	55.1	49.7	17.9	17.9
8-9 AM	2644	0.0	311	0.0	2999	2644	0	311	0.49	0	67.4	50.1	43.8	17.5	17.5
9-10 AM	3170	0.0	373	0.0	2999	3170	0	373	1.70	63	66.8	30.6	37.3	17.0	17.0
10-11 AM	3322	0.0	391	0.0	3000	3322	0	391	6.53	331	66.6	14.3	37.3	16.8	18.2
11A-NOON	3154	0.0	371	0.0	2999	2980	174	545	9.68	493	66.8	11.9	37.3	17.0	18.0
NOON-1PM	2786	0.0	327	0.0	2999	2773	13	340	7.42	372	67.3	13.5	37.3	17.3	18.9
1-2 PM	2512	0.0	296	0.0	2999	2512	0	296	1.14	66	67.6	37.6	44.3	17.5	17.6
2-3 PM	2458	0.0	290	0.0	3000	2458	0	290	0.37	0	67.7	53.5	47.8	17.6	17.6
3-4 PM	2470	0.0	291	0.0	3000	2470	0	291	0.38	0	67.7	53.3	47.6	17.6	17.6
4-5 PM	2388	0.0	281	0.0	3000	2388	0	281	0.33	0	67.8	55.0	49.7	17.6	17.6
5-6 PM	2050	0.0	242	0.0	3000	2050	0	242	0.33	0	68.2	55.1	49.7	17.9	17.9
6-7 PM	1775	0.0	209	0.0	3000	1775	0	209	0.34	0	68.6	55.1	49.7	18.2	18.2
7-8 PM	1514	0.0	178	0.0	3000	1514	0	178	0.34	0	68.9	55.3	49.7	18.4	18.4
8-9 PM	1209	0.0	142	0.0	3000	1209	0	142	0.35	0	69.2	55.3	49.7	18.8	18.8
9-10 PM	1127	0.0	133	0.0	3000	1127	0	133	0.35	0	69.3	55.3	49.7	18.8	18.8
10-11 PM	863	0.0	101	0.0	3000	863	0	101	0.35	0	69.7	55.5	49.7	19.1	19.1
11PM-MID	583	0.0	69	0.0	3000	583	0	69	0.36	0	70.0	55.5	49.7	19.3	19.3

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0102
MAIN ROUTE WITH WORKS	0.0075
DIVERSION	0.0160

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$25,300
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) 1 LANE CLOSURE  
 DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD**

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY EASTBOUND DIRECTION**

