

<b>IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)</b> <b>OFF-PEAK DAY 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	472	0.0	55	0.0	OFF	472	0	55	0.00	0	70.2	70.2	70.2	19.4	19.4
1-2 AM	439	0.0	51	0.0	OFF	439	0	51	0.00	0	70.2	70.2	70.2	19.5	19.5
2-3 AM	470	0.0	55	0.0	OFF	470	0	55	0.00	0	70.2	70.2	70.2	19.4	19.4
3-4 AM	627	0.0	74	0.0	OFF	627	0	74	0.00	0	69.9	69.9	69.9	19.3	19.3
4-5 AM	1133	0.0	134	0.0	OFF	1133	0	134	0.00	0	69.3	69.3	69.3	18.8	18.8
5-6 AM	1974	0.0	232	0.0	OFF	1974	0	232	0.00	0	68.3	68.3	68.3	18.1	18.1
6-7 AM	2237	0.0	264	0.0	OFF	2237	0	264	0.00	0	67.9	67.9	67.9	17.8	17.8
7-8 AM	2139	0.0	252	0.0	OFF	2139	0	252	0.00	0	68.1	68.1	68.1	17.9	17.9
8-9 AM	1961	0.0	231	0.0	OFF	1961	0	231	0.00	0	68.3	68.3	68.3	18.1	18.1
9-10 AM	1850	0.0	218	0.0	1499	1724	126	344	6.20	149	68.4	13.0	30.8	18.1	17.5
10-11 AM	1906	0.0	224	0.0	1499	1512	395	619	9.89	230	68.4	9.3	30.8	18.1	15.6
11A-NOON	1976	0.0	232	0.0	1500	1513	464	696	10.38	243	68.2	9.1	30.8	18.1	15.1
NOON-1PM	2017	0.0	238	0.0	1499	1511	505	743	10.69	251	68.2	8.9	30.8	18.0	14.8
1-2 PM	2216	0.0	261	0.0	1500	1547	669	930	12.14	289	68.0	8.3	30.8	17.8	13.5
2-3 PM	2252	0.0	265	0.0	1499	1509	744	1009	12.85	308	67.9	8.0	30.8	17.8	13.0
3-4 PM	2389	0.0	282	0.0	1500	1542	847	1129	14.10	341	67.8	7.6	30.8	17.6	12.2
4-5 PM	2405	0.0	284	0.0	OFF	2405	0	284	0.19	17	67.8	59.9	59.9	17.6	17.6
5-6 PM	2225	0.0	262	0.0	OFF	2225	0	262	0.00	0	68.0	68.0	68.0	17.8	17.8
6-7 PM	1853	0.0	218	0.0	OFF	1853	0	218	0.00	0	68.4	68.4	68.4	18.1	18.1
7-8 PM	1524	0.0	179	0.0	OFF	1524	0	179	0.00	0	68.9	68.9	68.9	18.4	18.4
8-9 PM	1267	0.0	150	0.0	OFF	1267	0	150	0.00	0	69.2	69.2	69.2	18.7	18.7
9-10 PM	1079	0.0	127	0.0	OFF	1079	0	127	0.00	0	69.4	69.4	69.4	18.9	18.9
10-11 PM	804	0.0	94	0.0	OFF	804	0	94	0.00	0	69.7	69.7	69.7	19.1	19.1
11PM-MID	564	0.0	66	0.0	OFF	564	0	66	0.00	0	70.0	70.0	70.0	19.4	19.4

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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	0.0096
MAIN ROUTE WITH WORKS	0.0079
DIVERSION	0.0267

PIA: Personal Injury Accidents

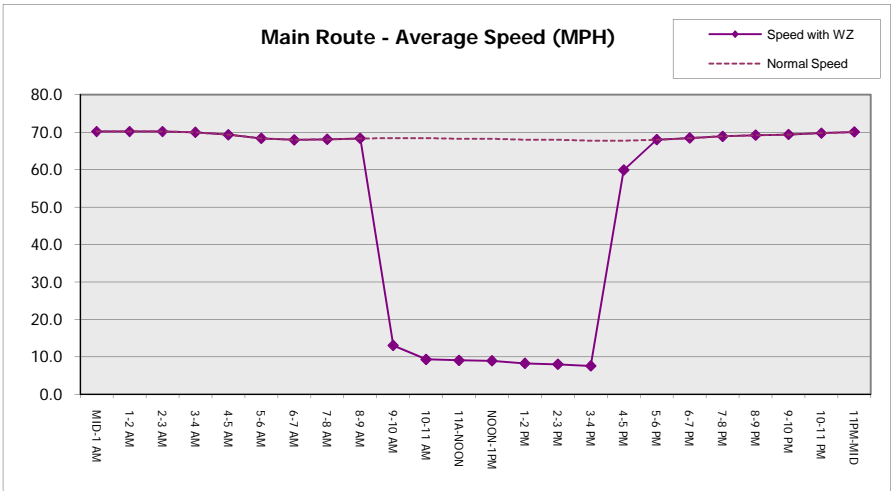
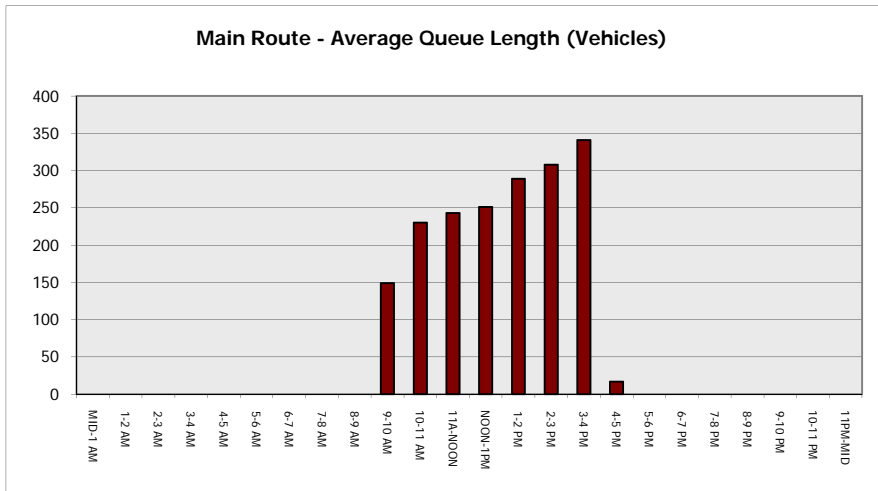
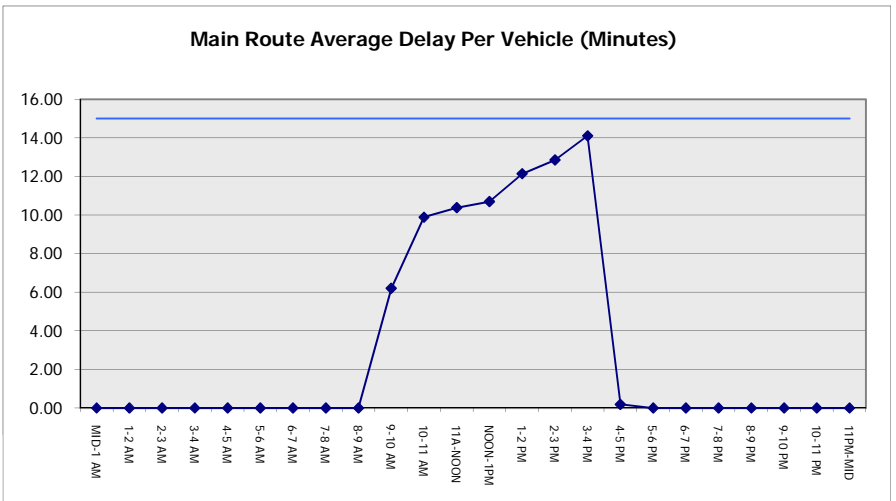
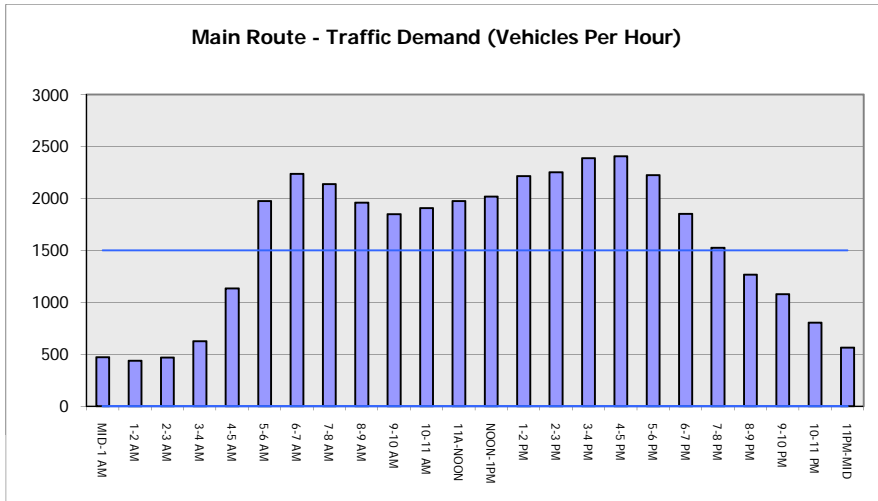
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$38,696
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)**  
**OFF-PEAK DAY 2 LANE CLOSURE**  
**DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR WESTBOUND DIRECTION**



<b>IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)</b> <b>OFF-PEAK DAY 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			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		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	483	0.0	57	0.0	OFF	483	0	57	0.00	0	70.1	70.1	70.1	19.4	19.4
1-2 AM	326	0.0	39	0.0	OFF	326	0	39	0.00	0	70.2	70.2	70.2	19.6	19.6
2-3 AM	292	0.0	35	0.0	OFF	292	0	35	0.00	0	70.2	70.2	70.2	19.6	19.6
3-4 AM	332	0.0	39	0.0	OFF	332	0	39	0.00	0	70.2	70.2	70.2	19.6	19.6
4-5 AM	471	0.0	55	0.0	OFF	471	0	55	0.00	0	70.2	70.2	70.2	19.4	19.4
5-6 AM	808	0.0	95	0.0	OFF	808	0	95	0.00	0	69.7	69.7	69.7	19.1	19.1
6-7 AM	1373	0.0	162	0.0	OFF	1373	0	162	0.00	0	69.1	69.1	69.1	18.6	18.6
7-8 AM	1801	0.0	212	0.0	OFF	1801	0	212	0.00	0	68.5	68.5	68.5	18.2	18.2
8-9 AM	1888	0.0	222	0.0	OFF	1888	0	222	0.00	0	68.4	68.4	68.4	18.1	18.1
9-10 AM	2165	0.0	255	0.0	1499	1801	363	619	9.25	228	68.1	9.9	30.8	17.9	15.6
10-11 AM	2307	0.0	272	0.0	1500	1528	779	1051	13.28	319	67.9	7.9	30.8	17.8	12.7
11A-NOON	2263	0.0	267	0.0	1499	1483	780	1047	13.23	318	67.9	7.9	30.8	17.8	12.7
NOON-1PM	2239	0.0	264	0.0	1499	1499	740	1004	12.81	307	67.9	8.0	30.8	17.8	13.0
1-2 PM	2393	0.0	282	0.0	1500	1555	839	1120	14.01	339	67.8	7.6	30.8	17.6	12.2
2-3 PM	2626	0.0	309	0.0	1500	1598	1028	1337	16.88	415	67.4	6.9	30.8	17.5	10.7
3-4 PM	2911	0.0	343	0.0	1499	1530	1381	1725+	20.06	497	67.1	6.3	30.8	17.2	9.6
4-5 PM	2864	0.0	337	0.0	OFF	2864	0	337	0.40	38	67.2	52.4	52.4	17.2	17.2
5-6 PM	2347	0.0	276	0.0	OFF	2347	0	276	0.00	0	67.8	67.8	67.8	17.7	17.7
6-7 PM	2019	0.0	238	0.0	OFF	2019	0	238	0.00	0	68.2	68.2	68.2	18.0	18.0
7-8 PM	1545	0.0	182	0.0	OFF	1545	0	182	0.00	0	68.8	68.8	68.8	18.4	18.4
8-9 PM	1283	0.0	151	0.0	OFF	1283	0	151	0.00	0	69.1	69.1	69.1	18.7	18.7
9-10 PM	1133	0.0	134	0.0	OFF	1133	0	134	0.00	0	69.3	69.3	69.3	18.8	18.8
10-11 PM	937	0.0	110	0.0	OFF	937	0	110	0.00	0	69.6	69.6	69.6	19.0	19.0
11PM-MID	621	0.0	73	0.0	OFF	621	0	73	0.00	0	70.0	70.0	70.0	19.3	19.3

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- 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	0.0095
MAIN ROUTE WITH WORKS	0.0073
DIVERSION	0.0337

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$58,786
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding 15 Minutes

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 OFF-PEAK DAY 2 LANE CLOSURE  
 DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR EASTBOUND DIRECTION**

