

<b>IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)</b> <b>CONTINUOUS (24 HOUR) 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD</b>	<b>AUGUST</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	570	0.0	67	0.0	1500	570	0	67	0.54	0	70.0	50.2	43.2	19.4	19.4
1-2 AM	496	0.0	59	0.0	1500	496	0	59	0.53	0	70.1	50.4	43.5	19.4	19.4
2-3 AM	500	0.0	59	0.0	1500	500	0	59	0.53	0	70.1	50.4	43.5	19.4	19.4
3-4 AM	698	0.0	83	0.0	1500	698	0	83	0.55	0	69.9	49.7	42.8	19.3	19.3
4-5 AM	1280	0.0	151	0.0	1499	1280	0	151	0.79	0	69.1	44.0	36.6	18.7	18.7
5-6 AM	1999	0.0	235	0.0	1499	1775	224	460	6.78	169	68.2	12.4	30.8	18.0	16.6
6-7 AM	2232	0.0	263	0.0	1499	1535	697	960	12.40	296	67.9	8.2	30.8	17.8	13.3
7-8 AM	2170	0.0	255	0.0	1499	1476	694	950	12.31	294	68.1	8.2	30.8	17.9	13.4
8-9 AM	2095	0.0	247	0.0	1499	1485	610	857	11.53	273	68.1	8.5	30.8	17.9	14.0
9-10 AM	2157	0.0	254	0.0	1500	1520	637	891	11.81	281	68.1	8.4	30.8	17.9	13.8
10-11 AM	2269	0.0	267	0.0	1500	1531	738	1005	12.82	307	67.9	8.0	30.8	17.8	13.0
11A-NOON	2356	0.0	277	0.0	1499	1526	830	1108	13.87	335	67.8	7.7	30.8	17.7	12.3
NOON-1PM	2420	0.0	285	0.0	1499	1526	894	1179	14.69	356	67.8	7.5	30.8	17.6	11.8
1-2 PM	2628	0.0	310	0.0	1500	1586	1042	1352	17.12	421	67.4	6.8	30.8	17.5	10.7
2-3 PM	2694	0.0	317	0.0	1499	1537	1157	1474	19.27	477	67.4	6.5	30.8	17.4	9.9
3-4 PM	2786	0.0	328	0.0	1499	1501	1285	1612+	19.96	495	67.3	6.3	30.8	17.3	9.6
4-5 PM	2831	0.0	333	0.0	1499	1501	1330	1663+	20.01	496	67.2	6.3	30.8	17.3	9.6
5-6 PM	2580	0.0	303	0.0	1499	1427	1153	1456	18.98	469	67.5	6.5	30.8	17.5	9.9
6-7 PM	2202	0.0	260	0.0	1499	1357	845	1105	13.89	337	68.0	7.7	30.8	17.8	12.4
7-8 PM	1869	0.0	220	0.0	1500	1433	436	656	10.13	237	68.4	9.2	30.8	18.1	15.4
8-9 PM	1623	0.0	192	0.0	1500	1466	157	349	8.47	193	68.7	10.3	30.8	18.4	17.6
9-10 PM	1338	0.0	158	0.0	1499	1337	1	159	5.01	116	69.1	15.1	32.1	18.6	18.7
10-11 PM	1003	0.0	118	0.0	1500	1003	0	118	0.60	0	69.5	48.5	41.7	18.9	18.9
11PM-MID	678	0.0	80	0.0	1500	678	0	80	0.55	0	69.9	49.8	42.8	19.3	19.3

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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	0.0110
MAIN ROUTE WITH WORKS	0.0058
DIVERSION	0.0582

PIA: Personal Injury Accidents

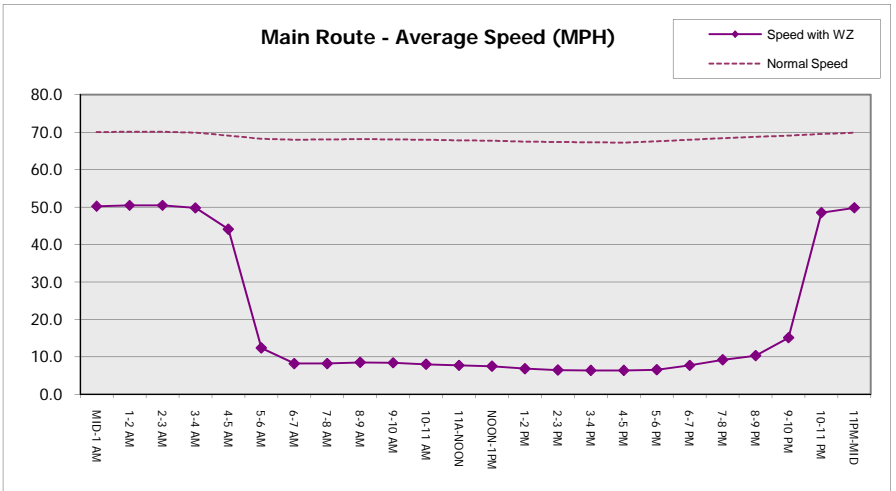
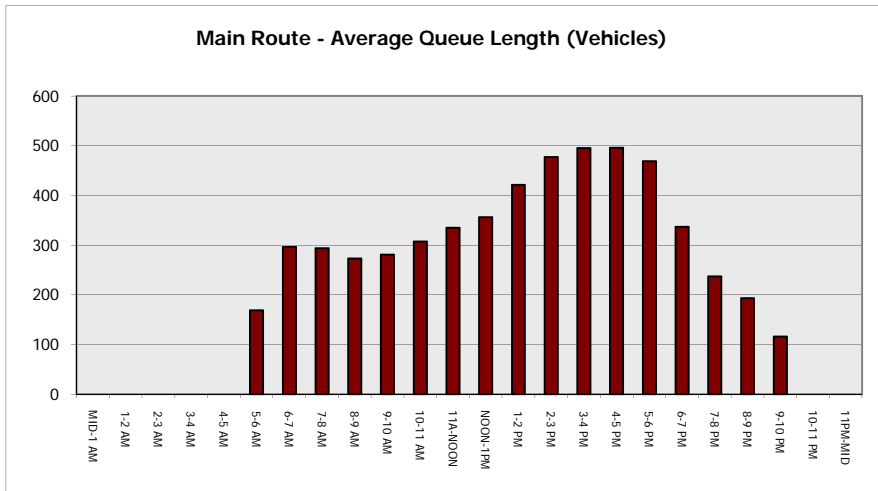
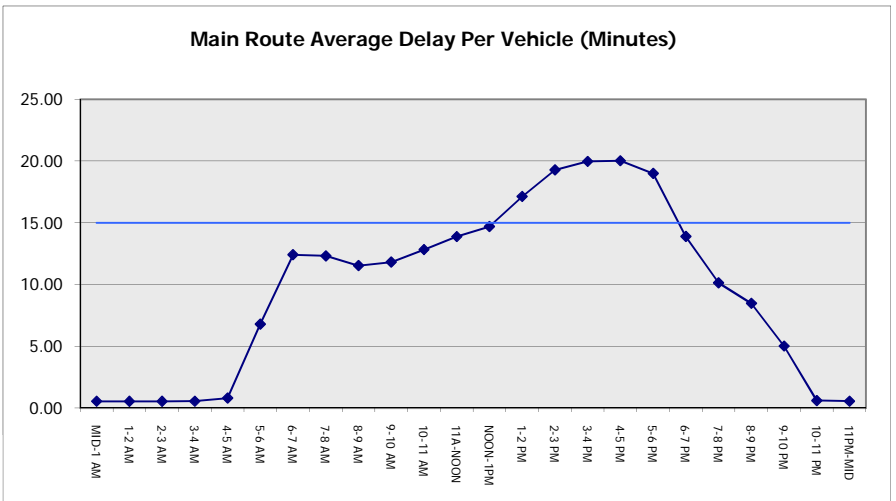
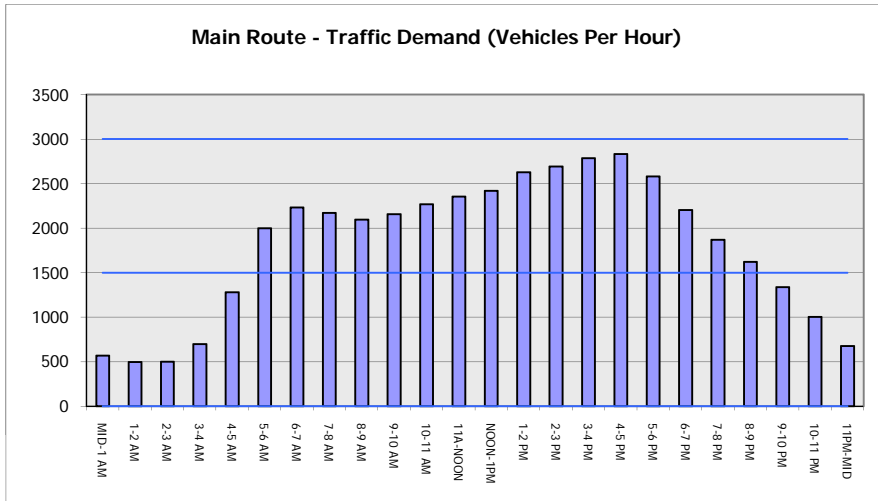
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$131,837
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding 15 Minutes

**IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)  
 CONTINUOUS (24 HOUR) 2 LANE CLOSURE  
 DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD**

**AUGUST**  
 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>CONTINUOUS (24 HOUR) 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD</b>	<b>AUGUST</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	529	0.0	62	0.0	1500	529	0	62	0.54	0	70.0	50.3	43.4	19.4	19.4
1-2 AM	354	0.0	42	0.0	1500	354	0	42	0.52	0	70.2	50.9	44.1	19.6	19.6
2-3 AM	311	0.0	37	0.0	1500	311	0	37	0.51	0	70.2	51.0	44.2	19.6	19.6
3-4 AM	358	0.0	42	0.0	1500	358	0	42	0.52	0	70.2	50.9	44.0	19.6	19.6
4-5 AM	517	0.0	61	0.0	1500	517	0	61	0.53	0	70.1	50.4	43.5	19.4	19.4
5-6 AM	876	0.0	104	0.0	1500	876	0	104	0.57	0	69.6	49.1	42.1	19.1	19.1
6-7 AM	1536	0.0	181	0.0	1499	1536	0	181	1.60	20	68.8	32.0	31.8	18.4	18.4
7-8 AM	1925	0.0	227	0.0	1500	1667	258	485	8.86	210	68.4	10.1	30.8	18.1	16.6
8-9 AM	2126	0.0	250	0.0	1500	1545	581	831	11.34	268	68.1	8.6	30.8	17.9	14.2
9-10 AM	2581	0.0	303	0.0	1500	1649	932	1235	15.45	378	67.5	7.3	30.8	17.5	11.5
10-11 AM	2790	0.0	329	0.0	1499	1553	1237	1565	19.62	486	67.3	6.4	30.8	17.3	9.7
11A-NOON	2724	0.0	321	0.0	1500	1497	1227	1548	19.91	493	67.4	6.3	30.8	17.3	9.6
NOON-1PM	2670	0.0	314	0.0	1499	1493	1178	1492	19.69	487	67.4	6.4	30.8	17.4	9.7
1-2 PM	2775	0.0	326	0.0	1499	1507	1268	1595	19.95	494	67.3	6.3	30.8	17.3	9.6
2-3 PM	2974	0.0	351	0.0	1499	1506	1468	1819+	20.14	499	67.1	6.3	30.8	17.1	9.6
3-4 PM	3122	0.0	367	0.0	1500	1504	1618	1986+	20.29	504	66.9	6.3	30.8	17.0	9.5
4-5 PM	3070	0.0	361	0.0	1500	1498	1571	1932+	20.25	502	66.9	6.3	30.8	17.0	9.6
5-6 PM	2634	0.0	310	0.0	1500	1438	1197	1506	19.36	479	67.4	6.5	30.8	17.5	9.8
6-7 PM	2294	0.0	270	0.0	1499	1364	929	1199	14.99	366	67.9	7.4	30.8	17.8	11.7
7-8 PM	1842	0.0	217	0.0	1500	1401	440	657	10.15	238	68.4	9.2	30.8	18.2	15.4
8-9 PM	1561	0.0	184	0.0	1500	1466	95	279	8.16	185	68.8	10.6	30.8	18.4	18.0
9-10 PM	1298	0.0	153	0.0	1499	1298	0	153	3.29	87	69.1	20.6	33.1	18.7	18.7
10-11 PM	1093	0.0	129	0.0	1500	1093	0	129	0.60	0	69.4	48.4	41.4	18.9	18.9
11PM-MID	720	0.0	85	0.0	1500	720	0	85	0.56	0	69.9	49.7	42.7	19.2	19.2

+ 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	0.0108
MAIN ROUTE WITH WORKS	0.0054
DIVERSION	0.0621

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$147,130
CONGESTED HOURS PER DAY*	9

\*Delays Exceeding 15 Minutes

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 DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

