

<b>IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)</b> <b>NIGHTTIME 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**

SUNDAY 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	373	0.0	44	0.0	3000	373	0	44	0.36	0	70.2	55.6	49.7	19.5	19.5
1-2 AM	309	0.0	37	0.0	3000	309	0	37	0.36	0	70.2	55.6	49.7	19.6	19.6
2-3 AM	223	0.0	26	0.0	3000	223	0	26	0.36	0	70.2	55.6	49.7	19.7	19.7
3-4 AM	224	0.0	26	0.0	3000	224	0	26	0.36	0	70.2	55.6	49.7	19.7	19.7
4-5 AM	247	0.0	29	0.0	3000	247	0	29	0.36	0	70.2	55.6	49.7	19.6	19.6
5-6 AM	325	0.0	39	0.0	3000	325	0	39	0.36	0	70.2	55.6	49.7	19.6	19.6
6-7 AM	464	0.0	54	0.0	3000	464	0	54	0.36	0	70.2	55.5	49.7	19.4	19.4
7-8 AM	719	0.0	85	0.0	3000	719	0	85	0.36	0	69.9	55.5	49.7	19.2	19.2
8-9 AM	1115	0.0	131	0.0	3000	1115	0	131	0.35	0	69.4	55.3	49.7	18.8	18.8
9-10 AM	1562	0.0	184	0.0	OFF	1562	0	184	0.00	0	68.8	68.8	68.8	18.4	18.4
10-11 AM	2110	0.0	248	0.0	OFF	2110	0	248	0.00	0	68.1	68.1	68.1	17.9	17.9
11A-NOON	2614	0.0	308	0.0	OFF	2614	0	308	0.00	0	67.5	67.5	67.5	17.5	17.5
NOON-1PM	2826	0.0	333	0.0	OFF	2826	0	333	0.00	0	67.2	67.2	67.2	17.3	17.3
1-2 PM	3134	0.0	369	0.0	OFF	3134	0	369	0.00	0	66.8	66.8	66.8	17.0	17.0
2-3 PM	3598	0.0	424	0.0	OFF	3598	0	424	0.00	0	66.3	66.3	66.3	16.5	16.5
3-4 PM	3979	0.0	469	0.0	OFF	3979	0	469	0.00	0	63.7	63.7	63.7	16.2	16.2
4-5 PM	4085	0.0	481	0.0	OFF	4085	0	481	0.00	0	63.0	63.0	63.0	16.1	16.1
5-6 PM	4004	0.0	472	0.0	OFF	4004	0	472	0.00	0	63.5	63.5	63.5	16.1	16.1
6-7 PM	3631	0.0	428	0.0	OFF	3631	0	428	0.00	0	66.1	66.1	66.1	16.5	16.5
7-8 PM	3166	0.0	372	0.0	2999	3166	0	372	2.60	110	66.8	23.9	37.3	17.0	17.0
8-9 PM	2756	0.0	324	0.0	2999	2756	0	324	1.74	84	67.3	30.3	40.1	17.3	17.3
9-10 PM	2128	0.0	250	0.0	3000	2128	0	250	0.33	0	68.1	55.1	49.7	17.9	17.9
10-11 PM	1584	0.0	186	0.0	3000	1584	0	186	0.34	0	68.7	55.2	49.7	18.4	18.4
11PM-MID	904	0.0	107	0.0	3000	904	0	107	0.35	0	69.6	55.4	49.7	19.0	19.0

"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	0.0117
MAIN ROUTE WITH WORKS	0.0108
DIVERSION	0.0177

PIA: Personal Injury Accidents

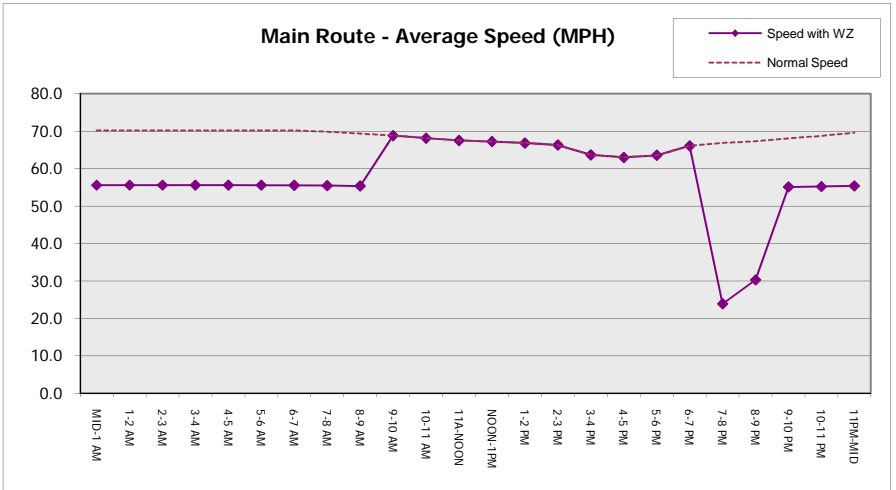
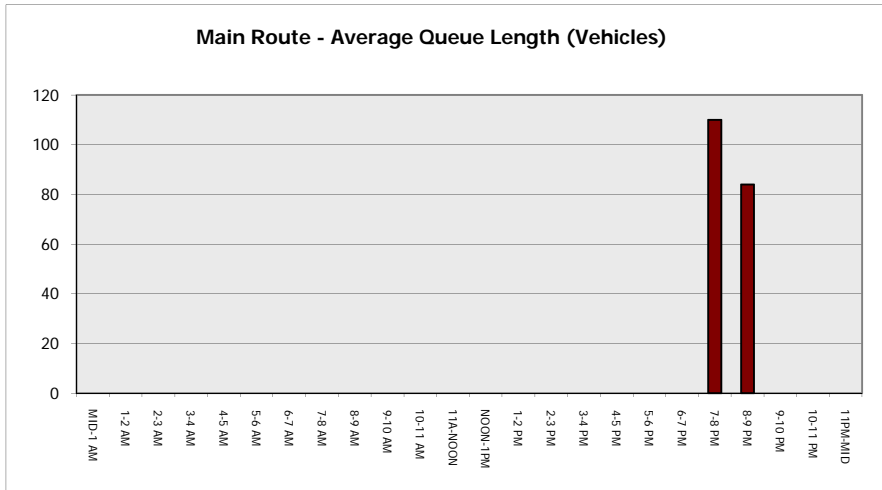
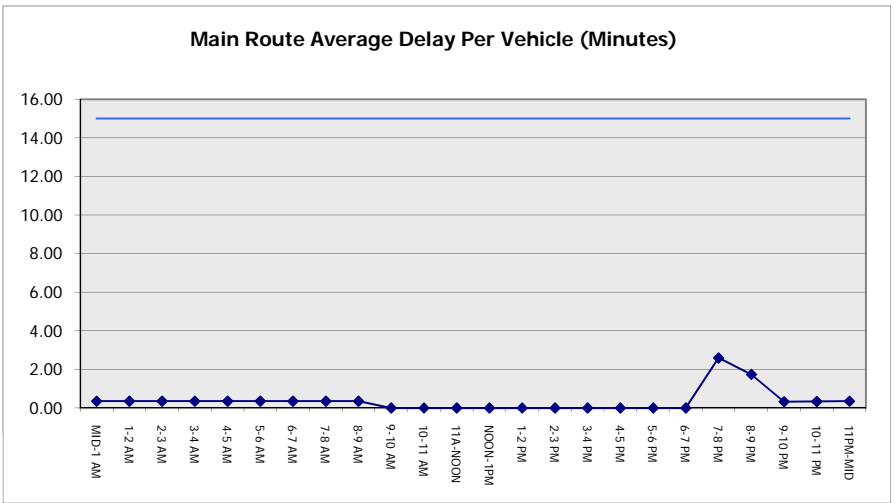
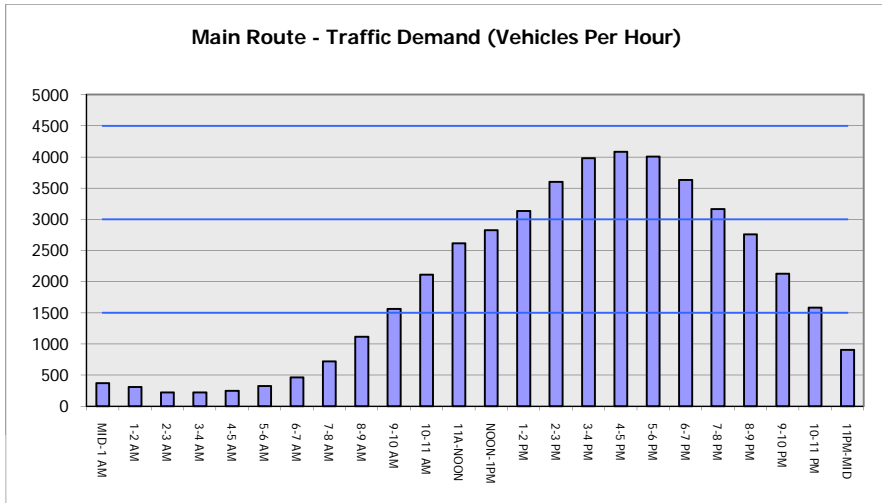
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$4,384
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)  
 NIGHTTIME CLOSURE  
 DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD**

**MAY**  
 Analyzed for 2009  
 Construction Season

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



<b>IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)</b> <b>NIGHTTIME 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**

SUNDAY 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	364	0.0	43	0.0	3000	364	0	43	0.36	0	70.2	55.6	49.7	19.6	19.6
1-2 AM	236	0.0	28	0.0	3000	236	0	28	0.36	0	70.2	55.6	49.7	19.6	19.6
2-3 AM	193	0.0	23	0.0	3000	193	0	23	0.36	0	70.2	55.6	49.7	19.7	19.7
3-4 AM	176	0.0	21	0.0	3000	176	0	21	0.36	0	70.2	55.6	49.7	19.7	19.7
4-5 AM	218	0.0	26	0.0	3000	218	0	26	0.36	0	70.2	55.6	49.7	19.7	19.7
5-6 AM	336	0.0	40	0.0	3000	336	0	40	0.36	0	70.2	55.6	49.7	19.6	19.6
6-7 AM	615	0.0	72	0.0	3000	615	0	72	0.36	0	70.0	55.5	49.7	19.3	19.3
7-8 AM	980	0.0	115	0.0	3000	980	0	115	0.35	0	69.5	55.4	49.7	18.9	18.9
8-9 AM	1469	0.0	173	0.0	3000	1469	0	173	0.34	0	68.9	55.3	49.7	18.5	18.5
9-10 AM	2127	0.0	250	0.0	OFF	2127	0	250	0.00	0	68.1	68.1	68.1	17.9	17.9
10-11 AM	2758	0.0	324	0.0	OFF	2758	0	324	0.00	0	67.3	67.3	67.3	17.3	17.3
11A-NOON	2937	0.0	345	0.0	OFF	2937	0	345	0.00	0	67.1	67.1	67.1	17.1	17.1
NOON-1PM	3032	0.0	357	0.0	OFF	3032	0	357	0.00	0	66.9	66.9	66.9	17.1	17.1
1-2 PM	3053	0.0	360	0.0	OFF	3053	0	360	0.00	0	66.9	66.9	66.9	17.0	17.0
2-3 PM	2996	0.0	353	0.0	OFF	2996	0	353	0.00	0	67.0	67.0	67.0	17.1	17.1
3-4 PM	2944	0.0	346	0.0	OFF	2944	0	346	0.00	0	67.1	67.1	67.1	17.1	17.1
4-5 PM	2906	0.0	342	0.0	OFF	2906	0	342	0.00	0	67.1	67.1	67.1	17.2	17.2
5-6 PM	2634	0.0	310	0.0	OFF	2634	0	310	0.00	0	67.4	67.4	67.4	17.5	17.5
6-7 PM	2238	0.0	264	0.0	OFF	2238	0	264	0.00	0	67.9	67.9	67.9	17.8	17.8
7-8 PM	1876	0.0	221	0.0	3000	1876	0	221	0.34	0	68.4	55.1	49.7	18.1	18.1
8-9 PM	1448	0.0	171	0.0	3000	1448	0	171	0.34	0	68.9	55.3	49.7	18.5	18.5
9-10 PM	1087	0.0	128	0.0	3000	1087	0	128	0.35	0	69.4	55.4	49.7	18.9	18.9
10-11 PM	768	0.0	90	0.0	3000	768	0	90	0.35	0	69.8	55.5	49.7	19.2	19.2
11PM-MID	621	0.0	73	0.0	3000	621	0	73	0.36	0	70.0	55.5	49.7	19.3	19.3

"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	0.0097
MAIN ROUTE WITH WORKS	0.0090
DIVERSION	0.0146

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$990
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

**MAY**  
 Analyzed for 2009  
 Construction Season

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

