

<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>OCTOBER</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	397	0.0	47	0.0	3000	397	0	47	0.36	0	70.2	55.6	49.7	19.5	19.5
1-2 AM	304	0.0	36	0.0	3000	304	0	36	0.36	0	70.2	55.6	49.7	19.6	19.6
2-3 AM	260	0.0	30	0.0	3000	260	0	30	0.36	0	70.2	55.6	49.7	19.6	19.6
3-4 AM	251	0.0	29	0.0	3000	251	0	29	0.36	0	70.2	55.6	49.7	19.6	19.6
4-5 AM	253	0.0	29	0.0	3000	253	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	426	0.0	50	0.0	3000	426	0	50	0.36	0	70.2	55.6	49.7	19.5	19.5
7-8 AM	606	0.0	71	0.0	3000	606	0	71	0.36	0	70.0	55.5	49.7	19.3	19.3
8-9 AM	946	0.0	111	0.0	3000	946	0	111	0.35	0	69.6	55.4	49.7	19.0	19.0
9-10 AM	1516	0.0	179	0.0	OFF	1516	0	179	0.00	0	68.9	68.9	68.9	18.4	18.4
10-11 AM	2147	0.0	253	0.0	OFF	2147	0	253	0.00	0	68.1	68.1	68.1	17.9	17.9
11A-NOON	2805	0.0	331	0.0	OFF	2805	0	331	0.00	0	67.3	67.3	67.3	17.3	17.3
NOON-1PM	3138	0.0	369	0.0	OFF	3138	0	369	0.00	0	66.8	66.8	66.8	17.0	17.0
1-2 PM	3603	0.0	424	0.0	OFF	3603	0	424	0.00	0	66.3	66.3	66.3	16.5	16.5
2-3 PM	4097	0.0	482	0.0	OFF	4097	0	482	0.00	0	62.8	62.8	62.8	16.1	16.1
3-4 PM	4564	0.0	538	0.0	OFF	4564	0	538	0.00	0	59.7	59.7	59.7	15.6	15.6
4-5 PM	4716	0.0	556	0.0	OFF	4716	0	556	0.00	0	58.6	58.6	58.6	15.5	15.5
5-6 PM	4496	0.0	530	0.0	OFF	4496	0	530	0.00	0	60.1	60.1	60.1	15.7	15.7
6-7 PM	3953	0.0	466	0.0	OFF	3953	0	466	0.00	0	63.8	63.8	63.8	16.2	16.2
7-8 PM	3633	0.0	428	0.0	2999	3569	63	491	6.20	335	66.0	15.0	37.3	16.5	17.5
8-9 PM	2965	0.0	350	0.0	2999	2798	167	516	9.37	479	67.1	12.0	37.3	17.1	18.2
9-10 PM	2132	0.0	251	0.0	2999	2132	0	251	1.24	99	68.1	36.8	46.8	17.9	18.1
10-11 PM	1411	0.0	166	0.0	3000	1411	0	166	0.34	0	69.0	55.3	49.7	18.6	18.6
11PM-MID	832	0.0	98	0.0	3000	832	0	98	0.35	0	69.7	55.5	49.7	19.1	19.1

"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	0.0127
MAIN ROUTE WITH WORKS	0.0116
DIVERSION	0.0199

PIA: Personal Injury Accidents

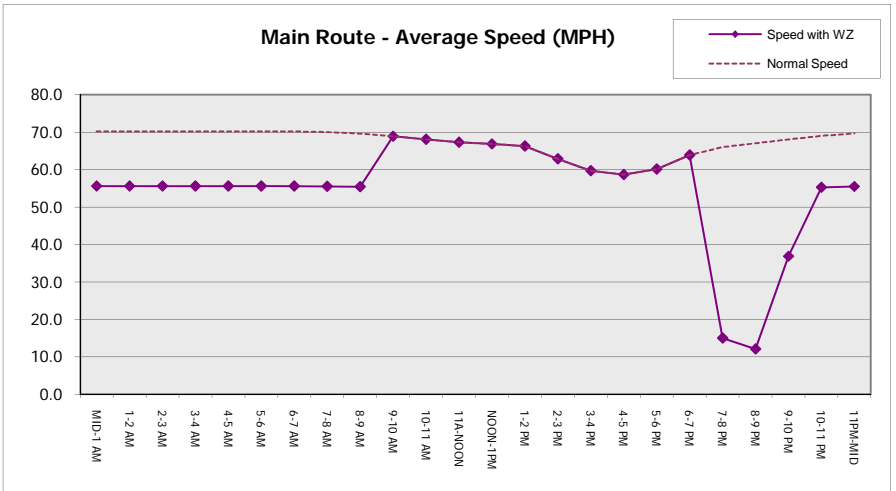
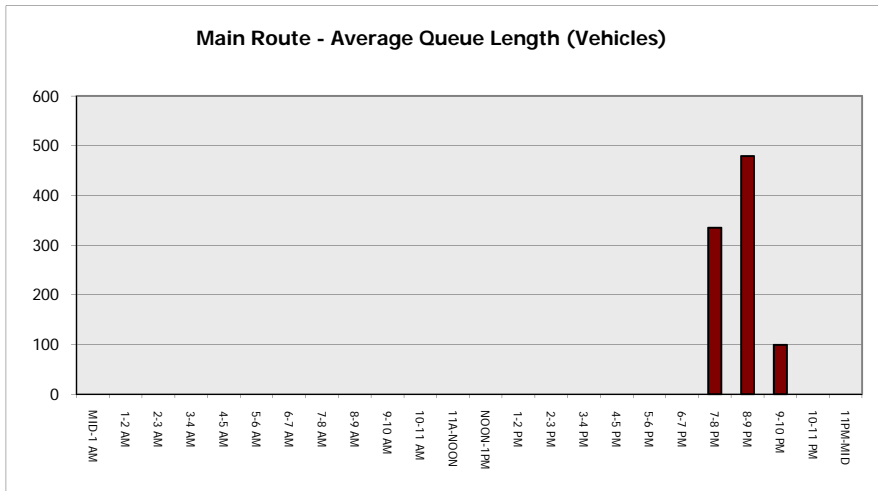
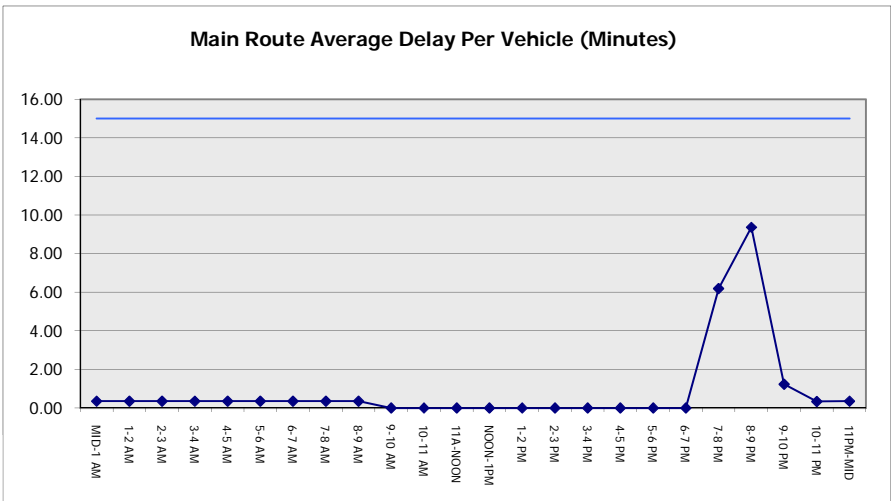
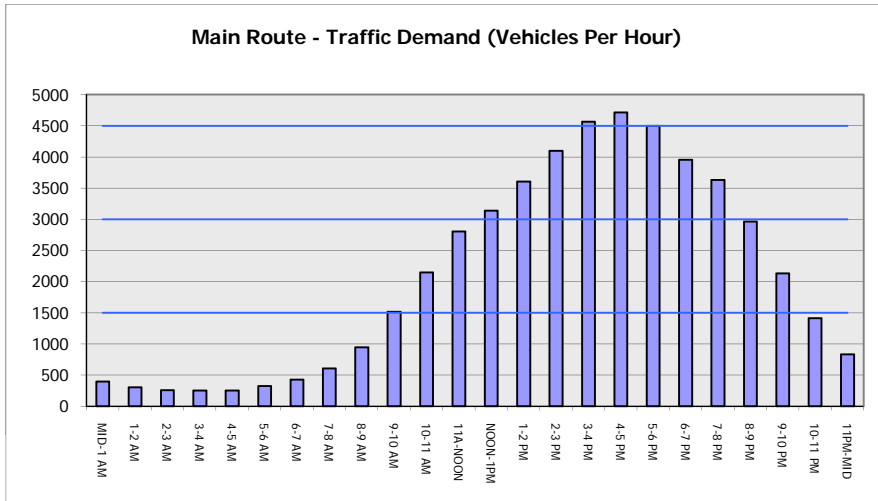
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$15,828
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

**OCTOBER**  
 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>OCTOBER</b>
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**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	459	0.0	54	0.0	3000	459	0	54	0.36	0	70.2	55.5	49.7	19.4	19.4
1-2 AM	286	0.0	33	0.0	3000	286	0	33	0.36	0	70.2	55.6	49.7	19.6	19.6
2-3 AM	239	0.0	28	0.0	3000	239	0	28	0.36	0	70.2	55.6	49.7	19.6	19.6
3-4 AM	197	0.0	23	0.0	3000	197	0	23	0.36	0	70.2	55.6	49.7	19.7	19.7
4-5 AM	246	0.0	29	0.0	3000	246	0	29	0.36	0	70.2	55.6	49.7	19.6	19.6
5-6 AM	339	0.0	40	0.0	3000	339	0	40	0.36	0	70.2	55.6	49.7	19.6	19.6
6-7 AM	588	0.0	69	0.0	3000	588	0	69	0.36	0	70.0	55.5	49.7	19.3	19.3
7-8 AM	949	0.0	112	0.0	3000	949	0	112	0.35	0	69.6	55.4	49.7	19.0	19.0
8-9 AM	1432	0.0	169	0.0	3000	1432	0	169	0.34	0	68.9	55.3	49.7	18.6	18.6
9-10 AM	2200	0.0	259	0.0	OFF	2200	0	259	0.00	0	68.0	68.0	68.0	17.8	17.8
10-11 AM	2931	0.0	345	0.0	OFF	2931	0	345	0.00	0	67.1	67.1	67.1	17.1	17.1
11A-NOON	3347	0.0	395	0.0	OFF	3347	0	395	0.00	0	66.6	66.6	66.6	16.8	16.8
NOON-1PM	3445	0.0	406	0.0	OFF	3445	0	406	0.00	0	66.4	66.4	66.4	16.7	16.7
1-2 PM	3493	0.0	411	0.0	OFF	3493	0	411	0.00	0	66.4	66.4	66.4	16.6	16.6
2-3 PM	3474	0.0	409	0.0	OFF	3474	0	409	0.00	0	66.4	66.4	66.4	16.6	16.6
3-4 PM	3424	0.0	403	0.0	OFF	3424	0	403	0.00	0	66.5	66.5	66.5	16.7	16.7
4-5 PM	3345	0.0	394	0.0	OFF	3345	0	394	0.00	0	66.6	66.6	66.6	16.8	16.8
5-6 PM	2965	0.0	350	0.0	OFF	2965	0	350	0.00	0	67.1	67.1	67.1	17.1	17.1
6-7 PM	2382	0.0	280	0.0	OFF	2382	0	280	0.00	0	67.8	67.8	67.8	17.6	17.6
7-8 PM	2074	0.0	244	0.0	3000	2074	0	244	0.33	0	68.2	55.1	49.7	17.9	17.9
8-9 PM	1406	0.0	165	0.0	3000	1406	0	165	0.34	0	69.0	55.3	49.7	18.6	18.6
9-10 PM	1049	0.0	123	0.0	3000	1049	0	123	0.35	0	69.4	55.4	49.7	18.9	18.9
10-11 PM	789	0.0	93	0.0	3000	789	0	93	0.35	0	69.7	55.5	49.7	19.1	19.1
11PM-MID	519	0.0	61	0.0	3000	519	0	61	0.36	0	70.1	55.5	49.7	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	0.0106
MAIN ROUTE WITH WORKS	0.0099
DIVERSION	0.0160

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,052
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

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

