

<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**

**FRIDAY 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	586	0.0	69	0.0	3000	586	0	69	0.36	0	70.0	55.5	49.7	19.3	19.3
1-2 AM	506	0.0	60	0.0	3000	506	0	60	0.36	0	70.1	55.5	49.7	19.4	19.4
2-3 AM	555	0.0	65	0.0	3000	555	0	65	0.36	0	70.0	55.5	49.7	19.4	19.4
3-4 AM	641	0.0	75	0.0	3000	641	0	75	0.36	0	69.9	55.5	49.7	19.3	19.3
4-5 AM	973	0.0	114	0.0	3000	973	0	114	0.35	0	69.6	55.4	49.7	19.0	19.0
5-6 AM	1746	0.0	205	0.0	OFF	1746	0	205	0.00	0	68.6	68.6	68.6	18.3	18.3
6-7 AM	2032	0.0	240	0.0	OFF	2032	0	240	0.00	0	68.2	68.2	68.2	18.0	18.0
7-8 AM	2199	0.0	259	0.0	OFF	2199	0	259	0.00	0	68.0	68.0	68.0	17.8	17.8
8-9 AM	2046	0.0	241	0.0	OFF	2046	0	241	0.00	0	68.2	68.2	68.2	18.0	18.0
9-10 AM	2129	0.0	251	0.0	OFF	2129	0	251	0.00	0	68.1	68.1	68.1	17.9	17.9
10-11 AM	2403	0.0	283	0.0	OFF	2403	0	283	0.00	0	67.8	67.8	67.8	17.6	17.6
11A-NOON	2698	0.0	318	0.0	OFF	2698	0	318	0.00	0	67.4	67.4	67.4	17.4	17.4
NOON-1PM	2890	0.0	340	0.0	OFF	2890	0	340	0.00	0	67.1	67.1	67.1	17.2	17.2
1-2 PM	3337	0.0	394	0.0	OFF	3337	0	394	0.00	0	66.6	66.6	66.6	16.8	16.8
2-3 PM	3673	0.0	432	0.0	OFF	3673	0	432	0.00	0	65.8	65.8	65.8	16.5	16.5
3-4 PM	3664	0.0	431	0.0	OFF	3664	0	431	0.00	0	65.8	65.8	65.8	16.5	16.5
4-5 PM	3619	0.0	426	0.0	OFF	3619	0	426	0.00	0	66.1	66.1	66.1	16.5	16.5
5-6 PM	3379	0.0	398	0.0	OFF	3379	0	398	0.00	0	66.5	66.5	66.5	16.8	16.8
6-7 PM	2916	0.0	343	0.0	OFF	2916	0	343	0.00	0	67.1	67.1	67.1	17.2	17.2
7-8 PM	2427	0.0	286	0.0	3000	2427	0	286	0.35	0	67.7	54.2	48.6	17.6	17.6
8-9 PM	2069	0.0	244	0.0	3000	2069	0	244	0.33	0	68.2	55.1	49.7	17.9	17.9
9-10 PM	1590	0.0	187	0.0	3000	1590	0	187	0.34	0	68.7	55.2	49.7	18.4	18.4
10-11 PM	1256	0.0	148	0.0	3000	1256	0	148	0.35	0	69.2	55.3	49.7	18.7	18.7
11PM-MID	775	0.0	91	0.0	3000	775	0	91	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	0.0120
DIVERSION	0.0192

PIA: Personal Injury Accidents

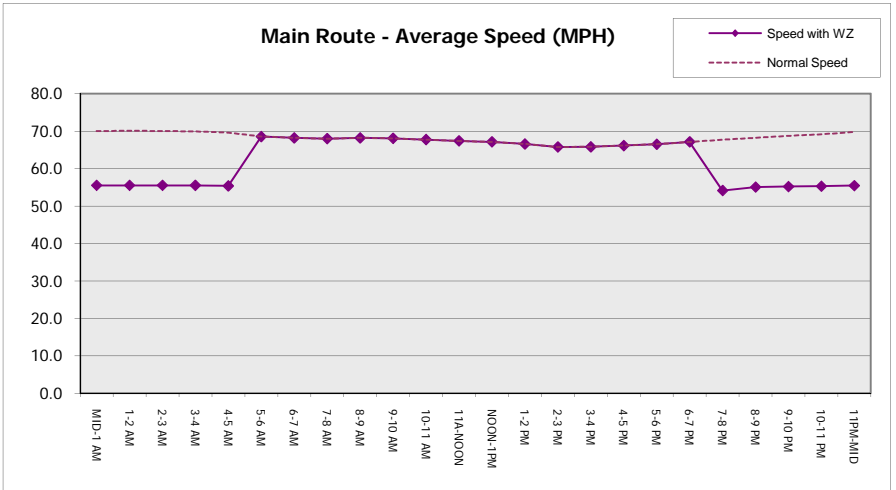
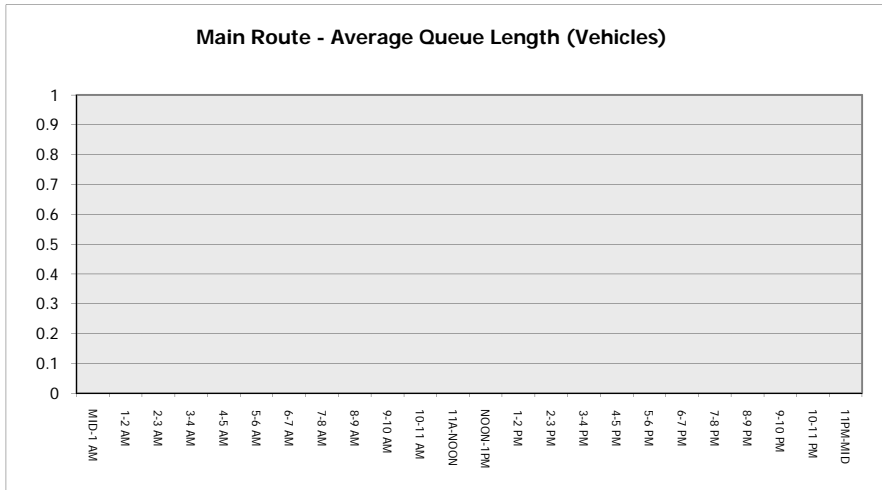
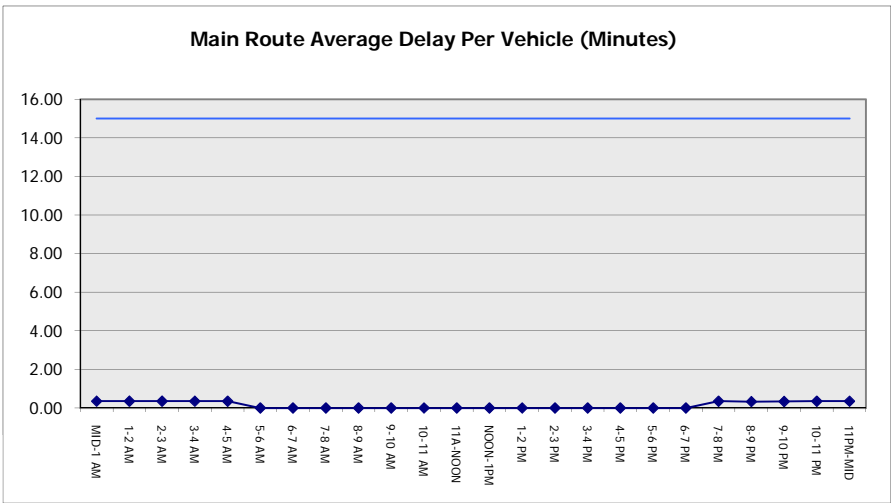
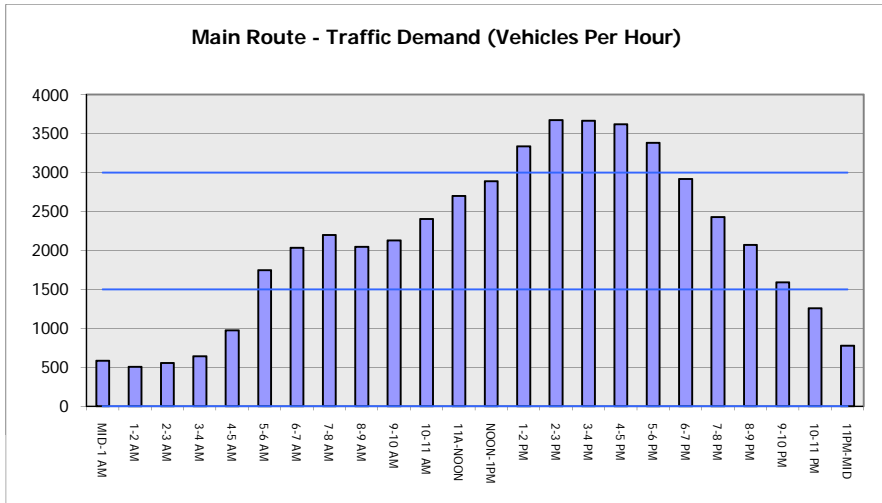
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$821
CONGESTED HOURS PER DAY*	0

\*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**  
**FRIDAY 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**

FRIDAY 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	561	0.0	66	0.0	3000	561	0	66	0.36	0	70.0	55.5	49.7	19.4	19.4
1-2 AM	413	0.0	48	0.0	3000	413	0	48	0.36	0	70.2	55.6	49.7	19.5	19.5
2-3 AM	321	0.0	38	0.0	3000	321	0	38	0.36	0	70.2	55.6	49.7	19.6	19.6
3-4 AM	373	0.0	44	0.0	3000	373	0	44	0.36	0	70.2	55.6	49.7	19.5	19.5
4-5 AM	457	0.0	53	0.0	3000	457	0	53	0.36	0	70.2	55.6	49.7	19.4	19.4
5-6 AM	812	0.0	95	0.0	OFF	812	0	95	0.00	0	69.7	69.7	69.7	19.1	19.1
6-7 AM	1254	0.0	148	0.0	OFF	1254	0	148	0.00	0	69.2	69.2	69.2	18.7	18.7
7-8 AM	1962	0.0	231	0.0	OFF	1962	0	231	0.00	0	68.3	68.3	68.3	18.1	18.1
8-9 AM	2209	0.0	261	0.0	OFF	2209	0	261	0.00	0	68.0	68.0	68.0	17.8	17.8
9-10 AM	2790	0.0	329	0.0	OFF	2790	0	329	0.00	0	67.3	67.3	67.3	17.3	17.3
10-11 AM	3294	0.0	388	0.0	OFF	3294	0	388	0.00	0	66.6	66.6	66.6	16.8	16.8
11A-NOON	3364	0.0	396	0.0	OFF	3364	0	396	0.00	0	66.6	66.6	66.6	16.8	16.8
NOON-1PM	3426	0.0	403	0.0	OFF	3426	0	403	0.00	0	66.4	66.4	66.4	16.7	16.7
1-2 PM	4045	0.0	476	0.0	OFF	4045	0	476	0.00	0	63.2	63.2	63.2	16.1	16.1
2-3 PM	4296	0.0	506	0.0	OFF	4296	0	506	0.00	0	61.5	61.5	61.5	15.9	15.9
3-4 PM	4517	0.0	532	0.0	OFF	4517	0	532	0.00	0	60.0	60.0	60.0	15.7	15.7
4-5 PM	4453	0.0	524	0.0	OFF	4453	0	524	0.00	0	60.4	60.4	60.4	15.8	15.8
5-6 PM	4058	0.0	478	0.0	OFF	4058	0	478	0.00	0	63.2	63.2	63.2	16.1	16.1
6-7 PM	3731	0.0	440	0.0	OFF	3731	0	440	0.00	0	65.4	65.4	65.4	16.4	16.4
7-8 PM	2863	0.0	337	0.0	2999	2863	0	337	0.84	15	67.2	42.4	40.4	17.2	17.2
8-9 PM	1870	0.0	220	0.0	3000	1870	0	220	0.34	0	68.4	55.1	49.7	18.1	18.1
9-10 PM	1478	0.0	174	0.0	3000	1478	0	174	0.34	0	68.9	55.3	49.7	18.5	18.5
10-11 PM	1198	0.0	141	0.0	3000	1198	0	141	0.35	0	69.2	55.3	49.7	18.8	18.8
11PM-MID	897	0.0	106	0.0	3000	897	0	106	0.35	0	69.6	55.4	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	0.0139
MAIN ROUTE WITH WORKS	0.0132
DIVERSION	0.0210

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,049
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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**FRIDAY EASTBOUND DIRECTION**

