

<b>IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)</b> <b>OFF-PEAK DAY 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	OFF	586	0	69	0.00	0	70.0	70.0	70.0	19.3	19.3
1-2 AM	506	0.0	60	0.0	OFF	506	0	60	0.00	0	70.1	70.1	70.1	19.4	19.4
2-3 AM	555	0.0	65	0.0	OFF	555	0	65	0.00	0	70.0	70.0	70.0	19.4	19.4
3-4 AM	641	0.0	75	0.0	OFF	641	0	75	0.00	0	69.9	69.9	69.9	19.3	19.3
4-5 AM	973	0.0	114	0.0	OFF	973	0	114	0.00	0	69.6	69.6	69.6	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	3000	2129	0	251	0.33	0	68.1	55.1	49.7	17.9	17.9
10-11 AM	2403	0.0	283	0.0	3000	2403	0	283	0.34	0	67.8	54.6	49.2	17.6	17.6
11A-NOON	2698	0.0	318	0.0	3000	2698	0	318	0.53	0	67.4	49.1	42.5	17.4	17.4
NOON-1PM	2890	0.0	340	0.0	2999	2890	0	340	0.66	0	67.1	46.0	39.1	17.2	17.2
1-2 PM	3337	0.0	394	0.0	2999	3337	0	394	2.87	144	66.6	23.1	37.3	16.8	17.1
2-3 PM	3673	0.0	432	0.0	3000	3363	310	743	10.77	564	65.8	11.4	37.3	16.5	16.8
3-4 PM	3664	0.0	431	0.0	2999	3030	634	1065	13.76	720	65.8	10.3	37.3	16.5	14.7
4-5 PM	3619	0.0	426	0.0	OFF	3619	0	426	1.24	111	66.1	35.6	35.6	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	OFF	2427	0	286	0.00	0	67.7	67.7	67.7	17.6	17.6
8-9 PM	2069	0.0	244	0.0	OFF	2069	0	244	0.00	0	68.2	68.2	68.2	17.9	17.9
9-10 PM	1590	0.0	187	0.0	OFF	1590	0	187	0.00	0	68.7	68.7	68.7	18.4	18.4
10-11 PM	1256	0.0	148	0.0	OFF	1256	0	148	0.00	0	69.2	69.2	69.2	18.7	18.7
11PM-MID	775	0.0	91	0.0	OFF	775	0	91	0.00	0	69.7	69.7	69.7	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	0.0112
DIVERSION	0.0223

PIA: Personal Injury Accidents

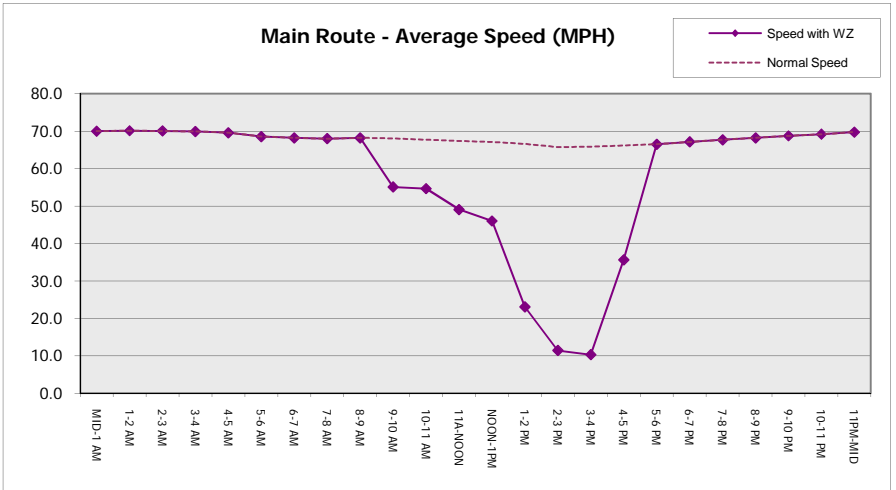
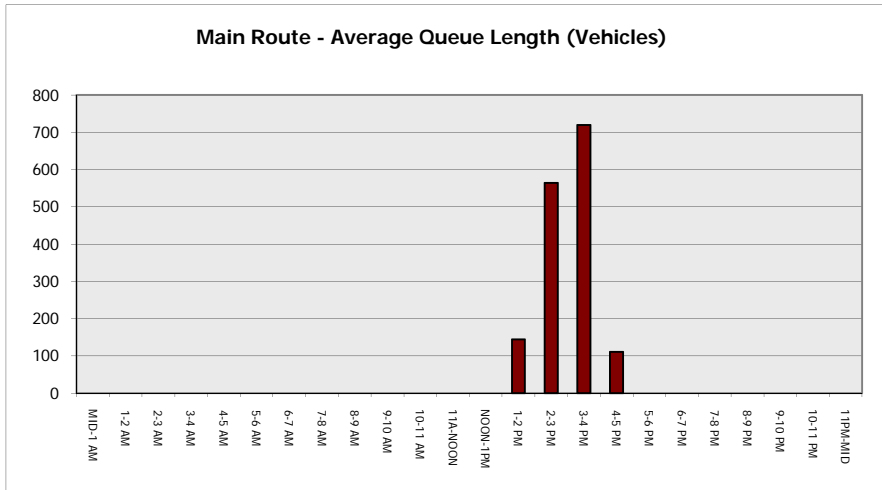
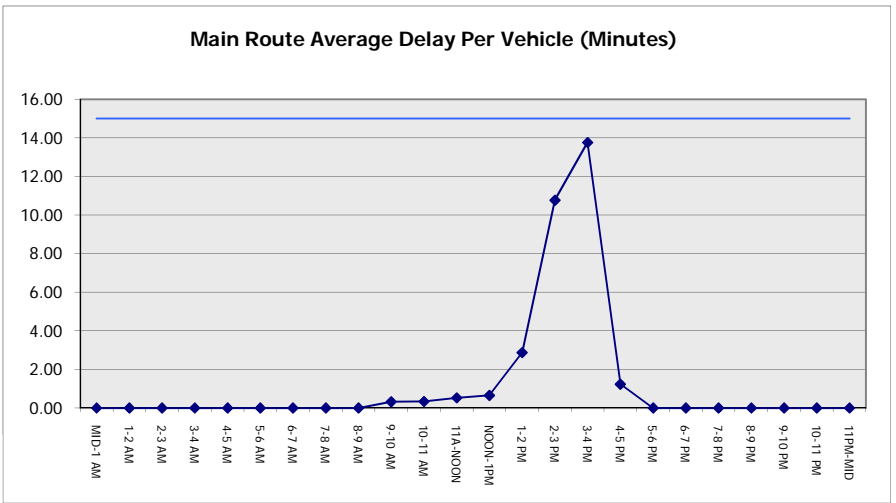
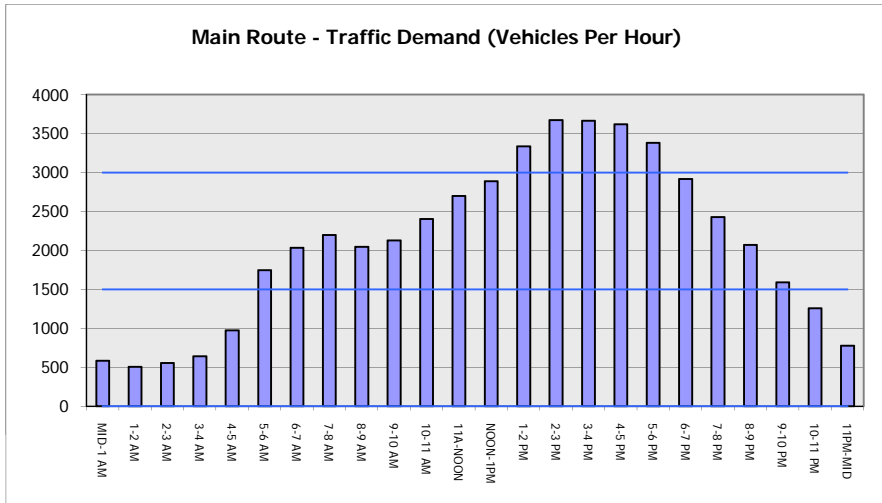
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$23,553
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
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		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	561	0.0	66	0.0	OFF	561	0	66	0.00	0	70.0	70.0	70.0	19.4	19.4
1-2 AM	413	0.0	48	0.0	OFF	413	0	48	0.00	0	70.2	70.2	70.2	19.5	19.5
2-3 AM	321	0.0	38	0.0	OFF	321	0	38	0.00	0	70.2	70.2	70.2	19.6	19.6
3-4 AM	373	0.0	44	0.0	OFF	373	0	44	0.00	0	70.2	70.2	70.2	19.5	19.5
4-5 AM	457	0.0	53	0.0	OFF	457	0	53	0.00	0	70.2	70.2	70.2	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	2999	2790	0	329	0.59	0	67.3	47.6	40.9	17.3	17.3
10-11 AM	3294	0.0	388	0.0	2999	3294	0	388	2.68	129	66.6	23.9	37.3	16.8	17.1
11A-NOON	3364	0.0	396	0.0	2999	3257	107	503	8.75	448	66.6	12.5	37.3	16.8	18.1
NOON-1PM	3426	0.0	403	0.0	2999	3065	361	764	11.10	572	66.4	11.2	37.3	16.7	16.6
1-2 PM	4045	0.0	476	0.0	3000	3348	696	1172	14.98	798	63.2	10.0	37.3	16.1	14.1
2-3 PM	4296	0.0	506	0.0	2999	3165	1130	1636+	20.01	1078	61.5	9.1	37.3	15.9	12.2
3-4 PM	4517	0.0	532	0.0	3000	3031	1487	2018+	21.23	1151	60.0	8.9	37.3	15.7	11.8
4-5 PM	4453	0.0	524	0.0	OFF	4453	0	524	4.59	434	60.4	15.5	15.5	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	OFF	2863	0	337	0.00	0	67.2	67.2	67.2	17.2	17.2
8-9 PM	1870	0.0	220	0.0	OFF	1870	0	220	0.00	0	68.4	68.4	68.4	18.1	18.1
9-10 PM	1478	0.0	174	0.0	OFF	1478	0	174	0.00	0	68.9	68.9	68.9	18.5	18.5
10-11 PM	1198	0.0	141	0.0	OFF	1198	0	141	0.00	0	69.2	69.2	69.2	18.8	18.8
11PM-MID	897	0.0	106	0.0	OFF	897	0	106	0.00	0	69.6	69.6	69.6	19.1	19.1

"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	0.0139
MAIN ROUTE WITH WORKS	0.0115
DIVERSION	0.0333

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$73,718
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding 15 Minutes

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

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

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

