

<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>AUGUST</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	639	0.0	75	0.0	OFF	639	0	75	0.00	0	69.9	69.9	69.9	19.3	19.3
1-2 AM	532	0.0	63	0.0	OFF	532	0	63	0.00	0	70.0	70.0	70.0	19.4	19.4
2-3 AM	554	0.0	65	0.0	OFF	554	0	65	0.00	0	70.0	70.0	70.0	19.4	19.4
3-4 AM	643	0.0	75	0.0	OFF	643	0	75	0.00	0	69.9	69.9	69.9	19.3	19.3
4-5 AM	1072	0.0	127	0.0	OFF	1072	0	127	0.00	0	69.4	69.4	69.4	18.9	18.9
5-6 AM	1706	0.0	201	0.0	OFF	1706	0	201	0.00	0	68.6	68.6	68.6	18.3	18.3
6-7 AM	1991	0.0	234	0.0	OFF	1991	0	234	0.00	0	68.2	68.2	68.2	18.0	18.0
7-8 AM	2127	0.0	250	0.0	OFF	2127	0	250	0.00	0	68.1	68.1	68.1	17.9	17.9
8-9 AM	2072	0.0	244	0.0	OFF	2072	0	244	0.00	0	68.2	68.2	68.2	17.9	17.9
9-10 AM	2248	0.0	265	0.0	3000	2248	0	265	0.33	0	67.9	55.0	49.7	17.8	17.8
10-11 AM	2619	0.0	309	0.0	3000	2619	0	309	0.48	0	67.5	50.4	44.1	17.5	17.5
11A-NOON	2882	0.0	339	0.0	2999	2882	0	339	0.65	0	67.1	46.1	39.1	17.2	17.2
NOON-1PM	2996	0.0	353	0.0	2999	2996	0	353	0.84	8	67.0	42.1	37.9	17.1	17.1
1-2 PM	3470	0.0	408	0.0	3000	3470	0	408	4.65	247	66.4	17.5	37.3	16.6	17.5
2-3 PM	3691	0.0	434	0.0	2999	3219	473	907	12.25	639	65.6	10.7	37.3	16.5	15.8
3-4 PM	3698	0.0	435	0.0	2999	3027	671	1106	14.20	745	65.6	10.2	37.3	16.5	14.5
4-5 PM	3542	0.0	418	0.0	OFF	3542	0	418	1.26	114	66.3	35.5	35.5	16.6	16.6
5-6 PM	3398	0.0	400	0.0	OFF	3398	0	400	0.00	0	66.5	66.5	66.5	16.7	16.7
6-7 PM	3131	0.0	368	0.0	OFF	3131	0	368	0.00	0	66.8	66.8	66.8	17.0	17.0
7-8 PM	2620	0.0	309	0.0	OFF	2620	0	309	0.00	0	67.5	67.5	67.5	17.5	17.5
8-9 PM	2195	0.0	258	0.0	OFF	2195	0	258	0.00	0	68.0	68.0	68.0	17.8	17.8
9-10 PM	2059	0.0	243	0.0	OFF	2059	0	243	0.00	0	68.2	68.2	68.2	17.9	17.9
10-11 PM	1545	0.0	182	0.0	OFF	1545	0	182	0.00	0	68.8	68.8	68.8	18.4	18.4
11PM-MID	1022	0.0	120	0.0	OFF	1022	0	120	0.00	0	69.5	69.5	69.5	18.9	18.9

"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	0.0133
MAIN ROUTE WITH WORKS	0.0117
DIVERSION	0.0239

PIA: Personal Injury Accidents

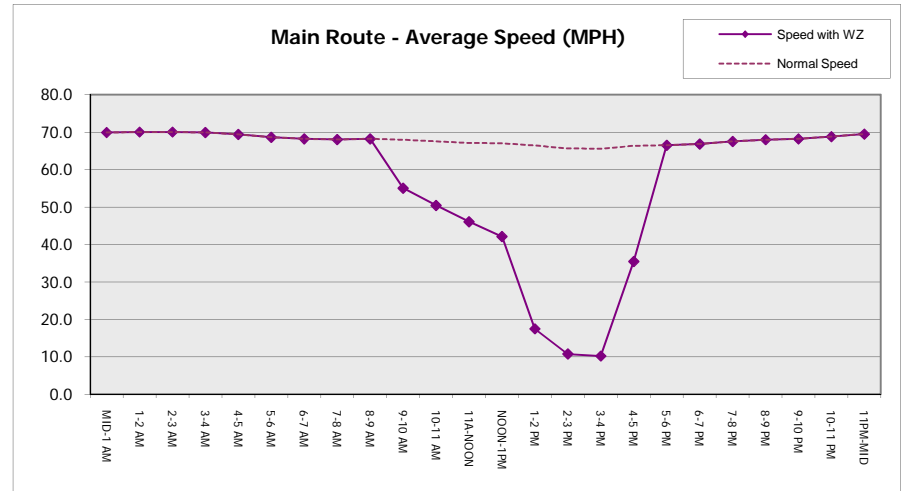
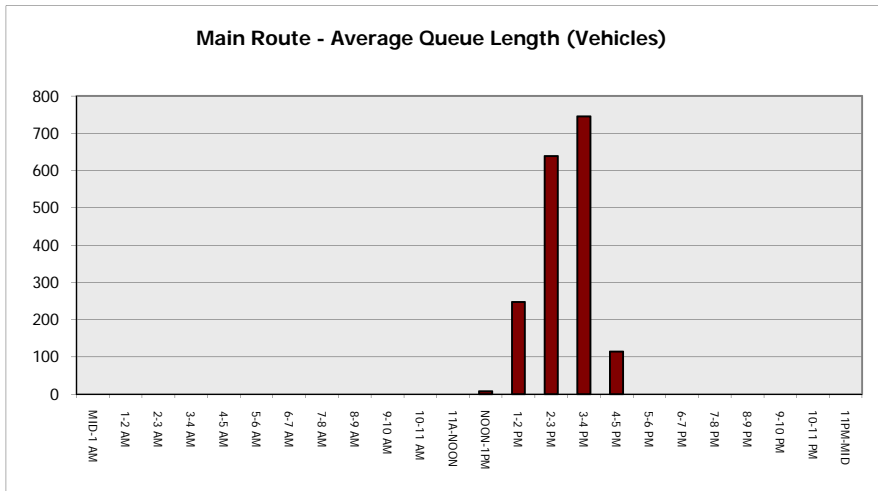
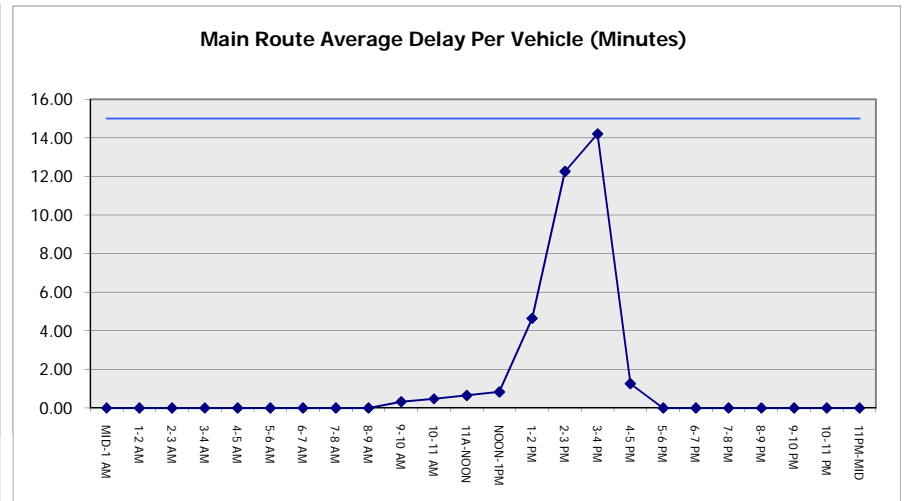
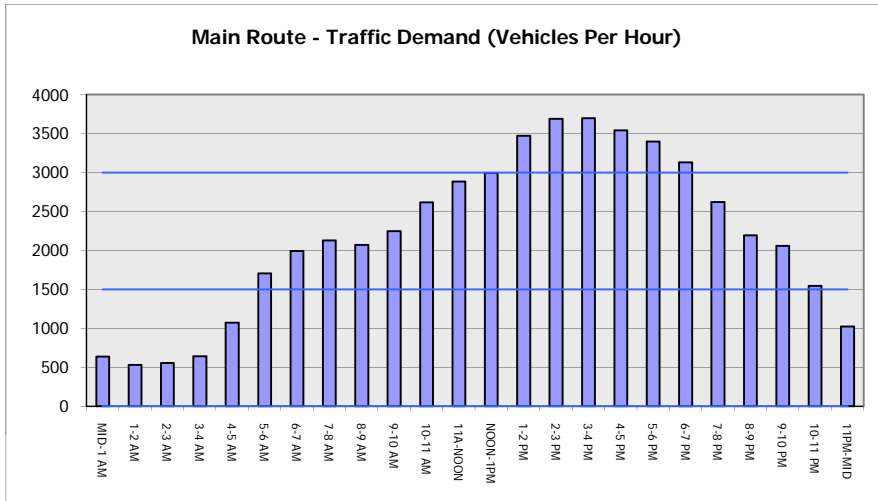
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$28,108
CONGESTED HOURS PER DAY*	0

\*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**

**AUGUST**  
 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>AUGUST</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			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	720	0.0	85	0.0	OFF	720	0	85	0.00	0	69.9	69.9	69.9	19.2	19.2
1-2 AM	467	0.0	55	0.0	OFF	467	0	55	0.00	0	70.2	70.2	70.2	19.4	19.4
2-3 AM	411	0.0	48	0.0	OFF	411	0	48	0.00	0	70.2	70.2	70.2	19.5	19.5
3-4 AM	409	0.0	48	0.0	OFF	409	0	48	0.00	0	70.2	70.2	70.2	19.5	19.5
4-5 AM	516	0.0	61	0.0	OFF	516	0	61	0.00	0	70.1	70.1	70.1	19.4	19.4
5-6 AM	869	0.0	103	0.0	OFF	869	0	103	0.00	0	69.7	69.7	69.7	19.1	19.1
6-7 AM	1450	0.0	171	0.0	OFF	1450	0	171	0.00	0	68.9	68.9	68.9	18.5	18.5
7-8 AM	2128	0.0	250	0.0	OFF	2128	0	250	0.00	0	68.1	68.1	68.1	17.9	17.9
8-9 AM	2536	0.0	298	0.0	OFF	2536	0	298	0.00	0	67.6	67.6	67.6	17.5	17.5
9-10 AM	3242	0.0	382	0.0	2999	3242	0	382	1.75	75	66.7	30.1	37.3	16.9	16.9
10-11 AM	3986	0.0	470	0.0	3000	3627	359	828	11.29	612	63.7	11.2	37.3	16.1	16.3
11A-NOON	4044	0.0	476	0.0	2999	3147	896	1373	17.83	952	63.2	9.4	37.3	16.1	12.9
NOON-1PM	4038	0.0	475	0.0	2999	3063	975	1450	19.24	1030	63.3	9.2	37.3	16.1	12.4
1-2 PM	4670	0.0	550	0.0	2999	3087	1583	2133+	21.25	1155	58.9	8.9	37.3	15.5	11.8
2-3 PM	4846	0.0	570	0.0	3000	3000	1846	2417+	21.53	1176	57.8	8.8	37.3	15.4	11.7
3-4 PM	4695	0.0	553	0.0	3000	3001	1694	2246+	21.60	1175	58.8	8.8	37.3	15.5	11.7
4-5 PM	4759	0.0	560	0.0	OFF	4759	0	560	5.76	549	58.4	12.9	12.9	15.5	15.5
5-6 PM	4566	0.0	538	0.0	OFF	4566	0	538	0.00	0	59.7	59.7	59.7	15.6	15.6
6-7 PM	4359	0.0	513	0.0	OFF	4359	0	513	0.00	0	61.1	61.1	61.1	15.8	15.8
7-8 PM	3132	0.0	368	0.0	OFF	3132	0	368	0.00	0	66.8	66.8	66.8	17.0	17.0
8-9 PM	2207	0.0	260	0.0	OFF	2207	0	260	0.00	0	68.0	68.0	68.0	17.8	17.8
9-10 PM	1634	0.0	193	0.0	OFF	1634	0	193	0.00	0	68.7	68.7	68.7	18.4	18.4
10-11 PM	1394	0.0	164	0.0	OFF	1394	0	164	0.00	0	69.0	69.0	69.0	18.6	18.6
11PM-MID	1051	0.0	123	0.0	OFF	1051	0	123	0.00	0	69.4	69.4	69.4	18.9	18.9

"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	0.0158
MAIN ROUTE WITH WORKS	0.0125
DIVERSION	0.0478

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$120,096
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding 15 Minutes

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 OFF-PEAK DAY CLOSURE  
 DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

