

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

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	512	0.0	61	0.0	OFF	512	0	61	0.00	0	70.1	70.1	70.1	19.4	19.4
1-2 AM	360	0.0	43	0.0	OFF	360	0	43	0.00	0	70.2	70.2	70.2	19.6	19.6
2-3 AM	277	0.0	32	0.0	OFF	277	0	32	0.00	0	70.2	70.2	70.2	19.6	19.6
3-4 AM	275	0.0	32	0.0	OFF	275	0	32	0.00	0	70.2	70.2	70.2	19.6	19.6
4-5 AM	283	0.0	33	0.0	OFF	283	0	33	0.00	0	70.2	70.2	70.2	19.6	19.6
5-6 AM	328	0.0	39	0.0	OFF	328	0	39	0.00	0	70.2	70.2	70.2	19.6	19.6
6-7 AM	439	0.0	51	0.0	OFF	439	0	51	0.00	0	70.2	70.2	70.2	19.5	19.5
7-8 AM	703	0.0	83	0.0	OFF	703	0	83	0.00	0	69.9	69.9	69.9	19.3	19.3
8-9 AM	1109	0.0	131	0.0	OFF	1109	0	131	0.00	0	69.4	69.4	69.4	18.8	18.8
9-10 AM	1648	0.0	194	0.0	3000	1648	0	194	0.34	0	68.7	55.2	49.7	18.3	18.3
10-11 AM	2480	0.0	292	0.0	2999	2480	0	292	0.42	0	67.6	52.2	46.3	17.6	17.6
11A-NOON	3195	0.0	376	0.0	2999	3195	0	376	1.59	61	66.8	31.6	37.3	16.9	16.9
NOON-1PM	3640	0.0	429	0.0	3000	3481	159	588	8.46	447	66.0	12.8	37.3	16.5	17.4
1-2 PM	4334	0.0	511	0.0	3000	3463	871	1382	17.11	924	61.2	9.6	37.3	15.8	13.2
2-3 PM	5026	0.0	591	0.0	2999	3000	2025	2617+	21.45	1176	56.5	8.8	37.3	15.2	11.7
3-4 PM	5356	0.0	631	0.0	3000	3000	2356	2987+	21.28	1176	54.3	8.8	37.3	14.9	11.7
4-5 PM	5623	0.0	662	0.0	3000	3000	2622	3285+	21.14	1176	52.5	8.8	37.3	14.7	11.7
5-6 PM	5271	0.0	621	0.0	3000	3000	2270	2891+	21.33	1176	54.8	8.8	37.3	15.0	11.7
6-7 PM	4631	0.0	545	0.0	3000	3007	1624	2169+	21.35	1160	59.2	8.9	37.3	15.6	11.7
7-8 PM	3943	0.0	465	0.0	OFF	3943	0	465	3.41	320	63.9	19.5	19.5	16.2	16.2
8-9 PM	3244	0.0	382	0.0	OFF	3244	0	382	0.00	0	66.7	66.7	66.7	16.9	16.9
9-10 PM	2353	0.0	277	0.0	OFF	2353	0	277	0.00	0	67.8	67.8	67.8	17.7	17.7
10-11 PM	1573	0.0	185	0.0	OFF	1573	0	185	0.00	0	68.8	68.8	68.8	18.4	18.4
11PM-MID	1101	0.0	130	0.0	OFF	1101	0	130	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	0.0147
MAIN ROUTE WITH WORKS	0.0097
DIVERSION	0.0611

PIA: Personal Injury Accidents

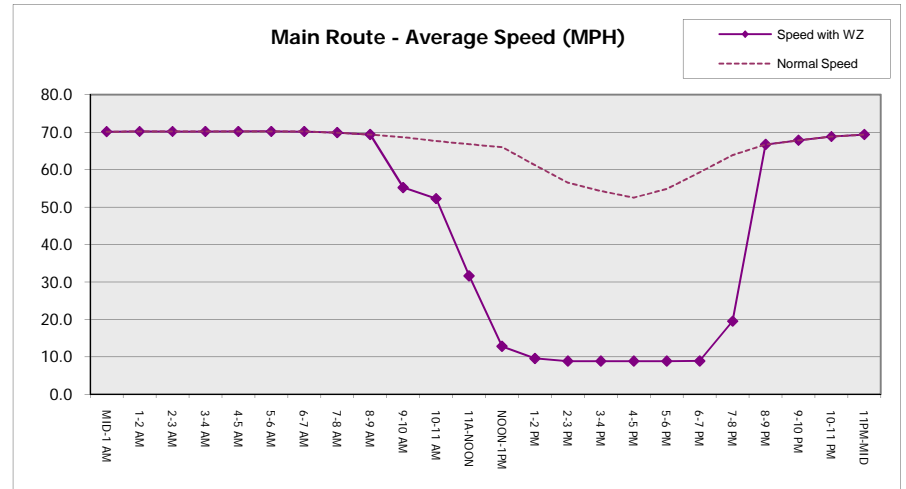
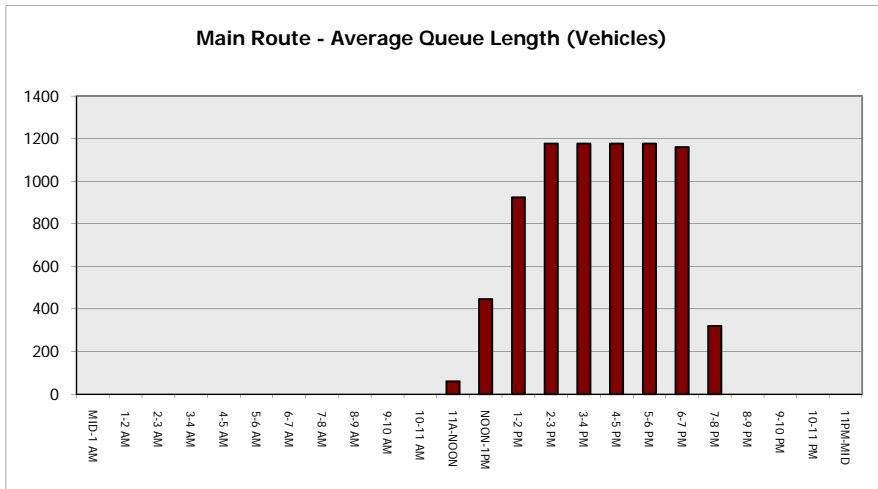
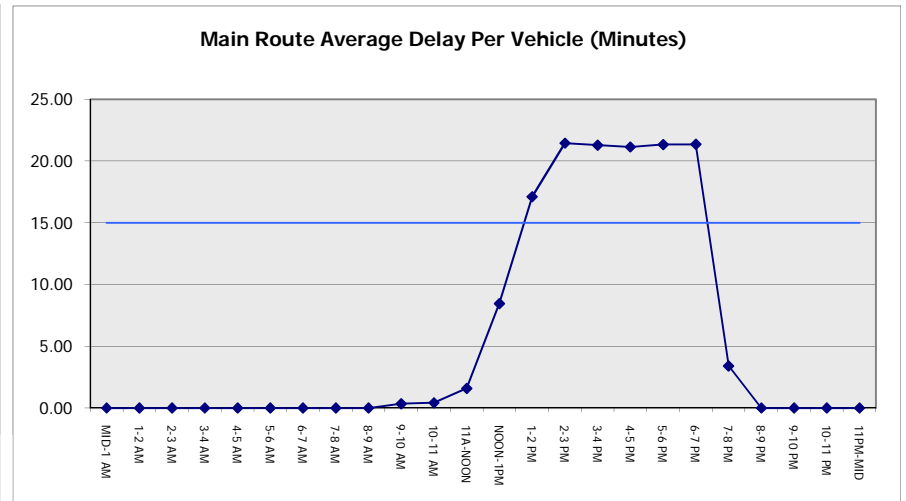
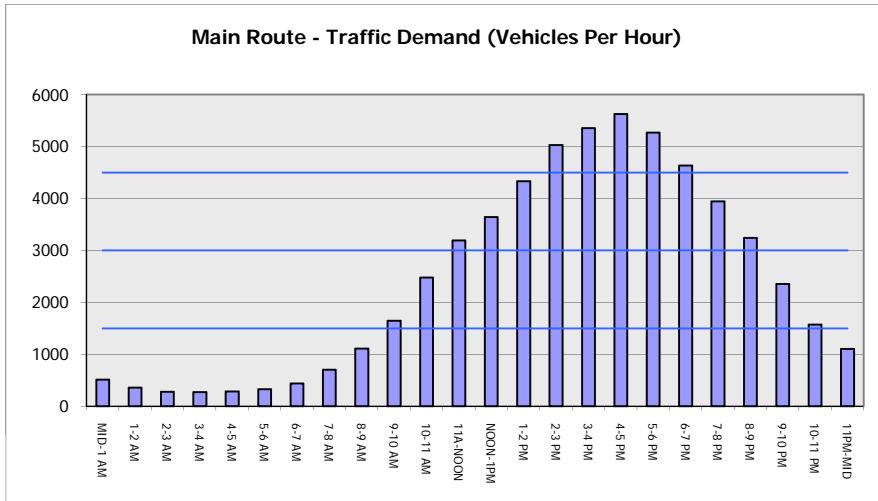
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$198,299
CONGESTED HOURS PER DAY*	6

*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
SUNDAY WESTBOUND DIRECTION



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

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		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	498	0.0	59	0.0	OFF	498	0	59	0.00	0	70.1	70.1	70.1	19.4	19.4
1-2 AM	327	0.0	39	0.0	OFF	327	0	39	0.00	0	70.2	70.2	70.2	19.6	19.6
2-3 AM	248	0.0	29	0.0	OFF	248	0	29	0.00	0	70.2	70.2	70.2	19.6	19.6
3-4 AM	210	0.0	25	0.0	OFF	210	0	25	0.00	0	70.2	70.2	70.2	19.7	19.7
4-5 AM	223	0.0	26	0.0	OFF	223	0	26	0.00	0	70.2	70.2	70.2	19.7	19.7
5-6 AM	350	0.0	41	0.0	OFF	350	0	41	0.00	0	70.2	70.2	70.2	19.6	19.6
6-7 AM	736	0.0	87	0.0	OFF	736	0	87	0.00	0	69.8	69.8	69.8	19.2	19.2
7-8 AM	1246	0.0	147	0.0	OFF	1246	0	147	0.00	0	69.2	69.2	69.2	18.7	18.7
8-9 AM	1841	0.0	217	0.0	OFF	1841	0	217	0.00	0	68.4	68.4	68.4	18.2	18.2
9-10 AM	2714	0.0	319	0.0	2999	2714	0	319	0.53	0	67.4	49.1	42.5	17.4	17.4
10-11 AM	3487	0.0	410	0.0	2999	3487	0	410	3.90	214	66.4	19.5	37.3	16.6	17.4
11A-NOON	3649	0.0	430	0.0	2999	3223	426	856	11.83	616	66.0	10.9	37.3	16.5	16.1
NOON-1PM	4024	0.0	474	0.0	3000	3250	774	1248	15.94	849	63.3	9.7	37.3	16.1	13.6
1-2 PM	3943	0.0	465	0.0	2999	3007	936	1400	18.33	978	63.9	9.3	37.3	16.2	12.7
2-3 PM	3599	0.0	424	0.0	2999	2775	824	1248	16.06	848	66.3	9.7	37.3	16.5	13.6
3-4 PM	3462	0.0	407	0.0	3000	2885	577	984	12.97	676	66.4	10.6	37.3	16.6	15.2
4-5 PM	3336	0.0	392	0.0	3000	2922	414	807	11.43	591	66.6	11.1	37.3	16.8	16.3
5-6 PM	2920	0.0	344	0.0	2999	2819	101	445	8.91	452	67.1	12.4	37.3	17.1	18.6
6-7 PM	2619	0.0	309	0.0	2999	2619	0	309	3.56	199	67.5	20.6	39.7	17.5	18.1
7-8 PM	2207	0.0	260	0.0	OFF	2207	0	260	0.00	0	68.0	68.0	68.0	17.8	17.8
8-9 PM	1845	0.0	218	0.0	OFF	1845	0	218	0.00	0	68.4	68.4	68.4	18.1	18.1
9-10 PM	1303	0.0	154	0.0	OFF	1303	0	154	0.00	0	69.1	69.1	69.1	18.7	18.7
10-11 PM	902	0.0	106	0.0	OFF	902	0	106	0.00	0	69.6	69.6	69.6	19.1	19.1
11PM-MID	621	0.0	73	0.0	OFF	621	0	73	0.00	0	70.0	70.0	70.0	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	0.0118
MAIN ROUTE WITH WORKS	0.0088
DIVERSION	0.0310

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$108,604
CONGESTED HOURS PER DAY*	3

*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
SUNDAY EASTBOUND DIRECTION

