

IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY) CONTINUOUS (24 HOUR) 1 LANE 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	3000	512	0	61	0.36	0	70.1	55.5	49.7	19.4	19.4
1-2 AM	360	0.0	43	0.0	3000	360	0	43	0.36	0	70.2	55.6	49.7	19.6	19.6
2-3 AM	277	0.0	32	0.0	3000	277	0	32	0.36	0	70.2	55.6	49.7	19.6	19.6
3-4 AM	275	0.0	32	0.0	3000	275	0	32	0.36	0	70.2	55.6	49.7	19.6	19.6
4-5 AM	283	0.0	33	0.0	3000	283	0	33	0.36	0	70.2	55.6	49.7	19.6	19.6
5-6 AM	328	0.0	39	0.0	3000	328	0	39	0.36	0	70.2	55.6	49.7	19.6	19.6
6-7 AM	439	0.0	51	0.0	3000	439	0	51	0.36	0	70.2	55.6	49.7	19.5	19.5
7-8 AM	703	0.0	83	0.0	3000	703	0	83	0.36	0	69.9	55.5	49.7	19.3	19.3
8-9 AM	1109	0.0	131	0.0	3000	1109	0	131	0.35	0	69.4	55.4	49.7	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	3000	2826	1116	1581	19.98	1069	63.9	9.1	37.3	16.2	12.2
8-9 PM	3244	0.0	382	0.0	2999	2552	692	1074	14.08	745	66.7	10.2	37.3	16.9	14.8
9-10 PM	2353	0.0	277	0.0	2999	2324	29	306	3.00	240	67.8	24.2	43.7	17.7	18.5
10-11 PM	1573	0.0	185	0.0	3000	1573	0	185	0.34	0	68.8	55.2	49.7	18.4	18.4
11PM-MID	1101	0.0	130	0.0	3000	1101	0	130	0.35	0	69.4	55.4	49.7	18.9	18.9

+ 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	0.0083
DIVERSION	0.0671

PIA: Personal Injury Accidents

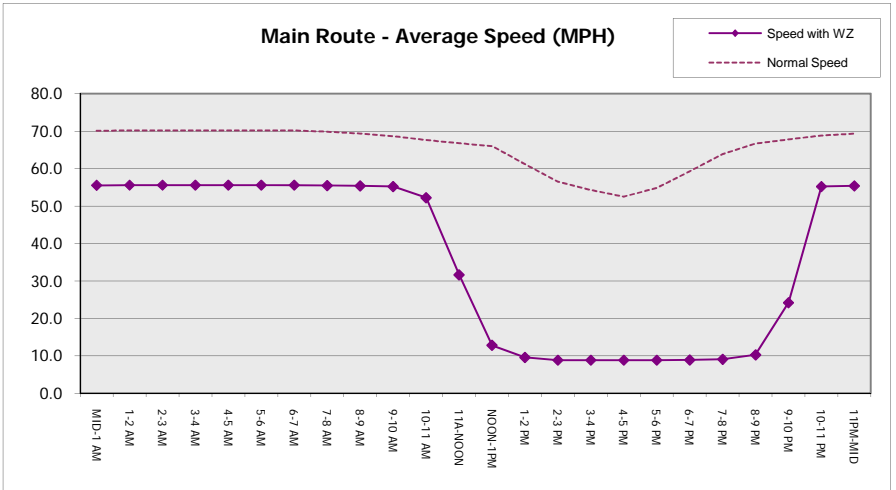
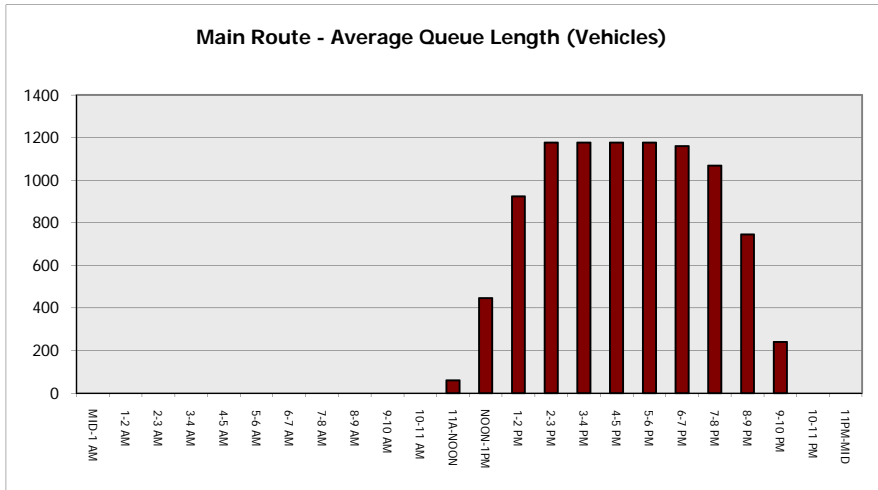
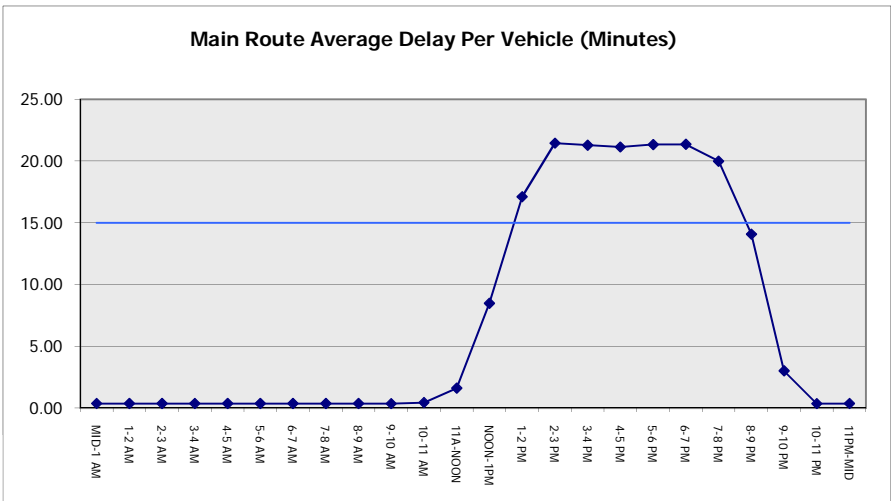
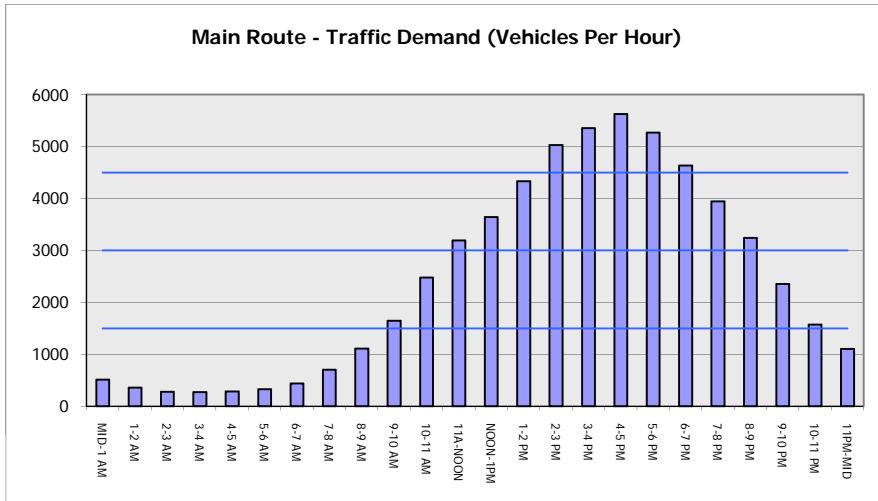
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$239,976
CONGESTED HOURS PER DAY*	7

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) 1 LANE 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) CONTINUOUS (24 HOUR) 1 LANE CLOSURE DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD	AUGUST
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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	498	0.0	59	0.0	3000	498	0	59	0.36	0	70.1	55.5	49.7	19.4	19.4
1-2 AM	327	0.0	39	0.0	3000	327	0	39	0.36	0	70.2	55.6	49.7	19.6	19.6
2-3 AM	248	0.0	29	0.0	3000	248	0	29	0.36	0	70.2	55.6	49.7	19.6	19.6
3-4 AM	210	0.0	25	0.0	3000	210	0	25	0.36	0	70.2	55.6	49.7	19.7	19.7
4-5 AM	223	0.0	26	0.0	3000	223	0	26	0.36	0	70.2	55.6	49.7	19.7	19.7
5-6 AM	350	0.0	41	0.0	3000	350	0	41	0.36	0	70.2	55.6	49.7	19.6	19.6
6-7 AM	736	0.0	87	0.0	3000	736	0	87	0.35	0	69.8	55.5	49.7	19.2	19.2
7-8 AM	1246	0.0	147	0.0	3000	1246	0	147	0.35	0	69.2	55.3	49.7	18.7	18.7
8-9 AM	1841	0.0	217	0.0	3000	1841	0	217	0.34	0	68.4	55.1	49.7	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	3000	2207	0	260	0.33	0	68.0	55.0	49.7	17.8	17.8
8-9 PM	1845	0.0	218	0.0	3000	1845	0	218	0.34	0	68.4	55.1	49.7	18.1	18.1
9-10 PM	1303	0.0	154	0.0	3000	1303	0	154	0.35	0	69.1	55.3	49.7	18.7	18.7
10-11 PM	902	0.0	106	0.0	3000	902	0	106	0.35	0	69.6	55.4	49.7	19.1	19.1
11PM-MID	621	0.0	73	0.0	3000	621	0	73	0.36	0	70.0	55.5	49.7	19.3	19.3

----- 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	0.0079
DIVERSION	0.0310

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$112,874
CONGESTED HOURS PER DAY*	3

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) 1 LANE CLOSURE
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SUNDAY EASTBOUND DIRECTION

