

IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY) NIGHTTIME 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	OFF	1648	0	194	0.00	0	68.7	68.7	68.7	18.3	18.3
10-11 AM	2480	0.0	292	0.0	OFF	2480	0	292	0.00	0	67.6	67.6	67.6	17.6	17.6
11A-NOON	3195	0.0	376	0.0	OFF	3195	0	376	0.00	0	66.8	66.8	66.8	16.9	16.9
NOON-1PM	3640	0.0	429	0.0	OFF	3640	0	429	0.00	0	66.0	66.0	66.0	16.5	16.5
1-2 PM	4334	0.0	511	0.0	OFF	4334	0	511	0.00	0	61.2	61.2	61.2	15.8	15.8
2-3 PM	5026	0.0	591	0.0	OFF	5026	0	591	0.00	0	56.5	56.5	56.5	15.2	15.2
3-4 PM	5356	0.0	631	0.0	OFF	5356	0	631	0.00	0	54.3	54.3	54.3	14.9	14.9
4-5 PM	5623	0.0	662	0.0	OFF	5623	0	662	0.00	0	52.5	52.5	52.5	14.7	14.7
5-6 PM	5271	0.0	621	0.0	OFF	5271	0	621	0.00	0	54.8	54.8	54.8	15.0	15.0
6-7 PM	4631	0.0	545	0.0	OFF	4631	0	545	0.00	0	59.2	59.2	59.2	15.6	15.6
7-8 PM	3943	0.0	465	0.0	2999	3707	236	701	8.36	460	63.9	12.9	37.3	16.2	16.5
8-9 PM	3244	0.0	382	0.0	2999	2782	461	843	11.77	612	66.7	11.0	37.3	16.9	16.1
9-10 PM	2353	0.0	277	0.0	2999	2340	13	291	2.74	222	67.8	25.3	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

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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	0.0134
DIVERSION	0.0245

PIA: Personal Injury Accidents

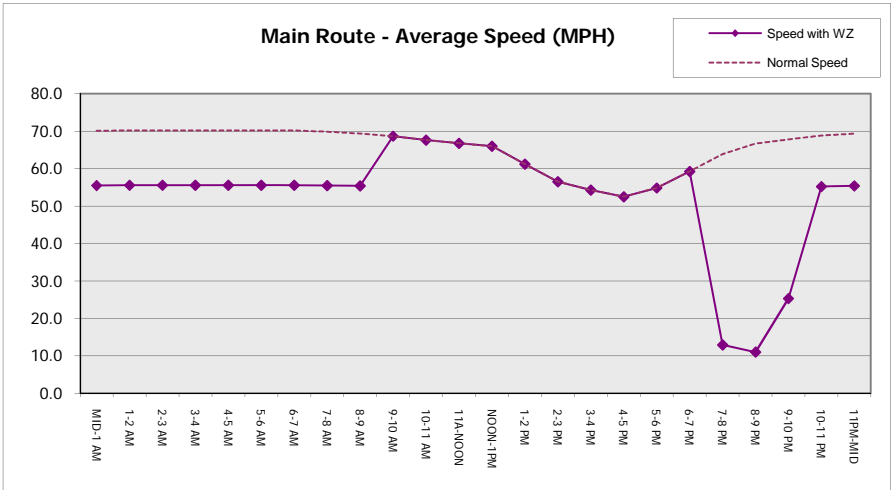
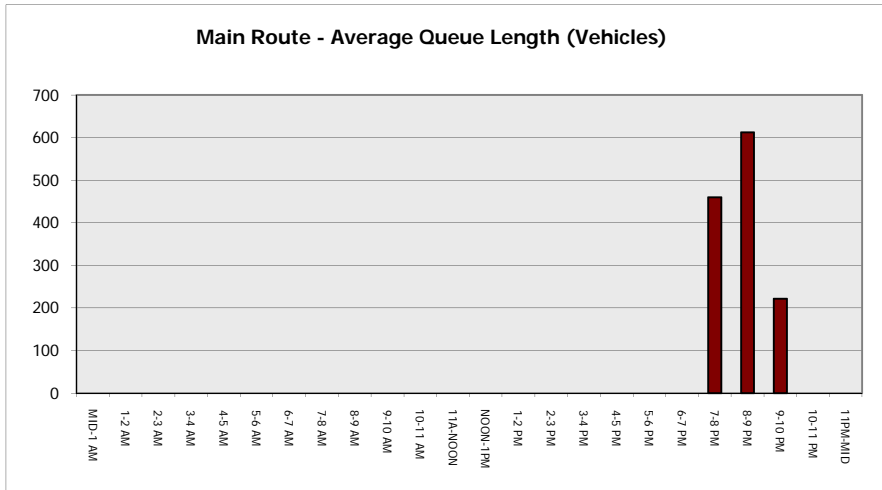
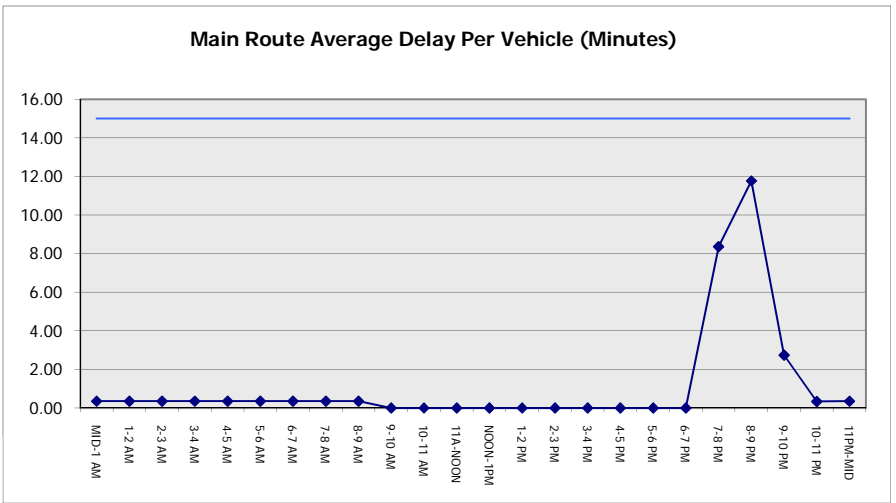
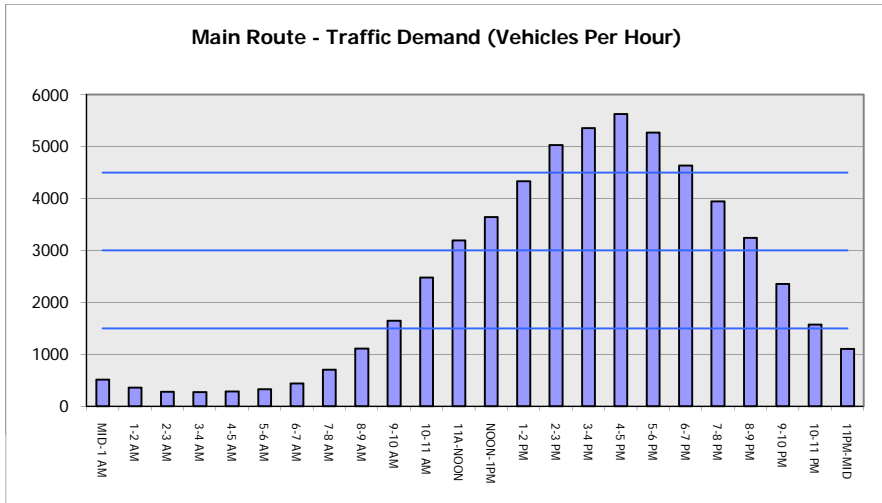
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$23,505
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 NIGHTTIME 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) NIGHTTIME 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	OFF	2714	0	319	0.00	0	67.4	67.4	67.4	17.4	17.4
10-11 AM	3487	0.0	410	0.0	OFF	3487	0	410	0.00	0	66.4	66.4	66.4	16.6	16.6
11A-NOON	3649	0.0	430	0.0	OFF	3649	0	430	0.00	0	66.0	66.0	66.0	16.5	16.5
NOON-1PM	4024	0.0	474	0.0	OFF	4024	0	474	0.00	0	63.3	63.3	63.3	16.1	16.1
1-2 PM	3943	0.0	465	0.0	OFF	3943	0	465	0.00	0	63.9	63.9	63.9	16.2	16.2
2-3 PM	3599	0.0	424	0.0	OFF	3599	0	424	0.00	0	66.3	66.3	66.3	16.5	16.5
3-4 PM	3462	0.0	407	0.0	OFF	3462	0	407	0.00	0	66.4	66.4	66.4	16.6	16.6
4-5 PM	3336	0.0	392	0.0	OFF	3336	0	392	0.00	0	66.6	66.6	66.6	16.8	16.8
5-6 PM	2920	0.0	344	0.0	OFF	2920	0	344	0.00	0	67.1	67.1	67.1	17.1	17.1
6-7 PM	2619	0.0	309	0.0	OFF	2619	0	309	0.00	0	67.5	67.5	67.5	17.5	17.5
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

"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	0.0109
DIVERSION	0.0178

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,274
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 NIGHTTIME 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

