

IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	570	0.0	67	0.0	1500	570	0	67	0.54	0	70.0	50.2	43.2	19.4	19.4
1-2 AM	496	0.0	59	0.0	1500	496	0	59	0.53	0	70.1	50.4	43.5	19.4	19.4
2-3 AM	500	0.0	59	0.0	1500	500	0	59	0.53	0	70.1	50.4	43.5	19.4	19.4
3-4 AM	698	0.0	83	0.0	1500	698	0	83	0.55	0	69.9	49.7	42.8	19.3	19.3
4-5 AM	1280	0.0	151	0.0	1499	1280	0	151	0.79	0	69.1	44.0	36.6	18.7	18.7
5-6 AM	1999	0.0	235	0.0	OFF	1999	0	235	0.00	0	68.2	68.2	68.2	18.0	18.0
6-7 AM	2232	0.0	263	0.0	OFF	2232	0	263	0.00	0	67.9	67.9	67.9	17.8	17.8
7-8 AM	2170	0.0	255	0.0	OFF	2170	0	255	0.00	0	68.1	68.1	68.1	17.9	17.9
8-9 AM	2095	0.0	247	0.0	OFF	2095	0	247	0.00	0	68.1	68.1	68.1	17.9	17.9
9-10 AM	2157	0.0	254	0.0	OFF	2157	0	254	0.00	0	68.1	68.1	68.1	17.9	17.9
10-11 AM	2269	0.0	267	0.0	OFF	2269	0	267	0.00	0	67.9	67.9	67.9	17.8	17.8
11A-NOON	2356	0.0	277	0.0	OFF	2356	0	277	0.00	0	67.8	67.8	67.8	17.7	17.7
NOON-1PM	2420	0.0	285	0.0	OFF	2420	0	285	0.00	0	67.8	67.8	67.8	17.6	17.6
1-2 PM	2628	0.0	310	0.0	OFF	2628	0	310	0.00	0	67.4	67.4	67.4	17.5	17.5
2-3 PM	2694	0.0	317	0.0	OFF	2694	0	317	0.00	0	67.4	67.4	67.4	17.4	17.4
3-4 PM	2786	0.0	328	0.0	OFF	2786	0	328	0.00	0	67.3	67.3	67.3	17.3	17.3
4-5 PM	2831	0.0	333	0.0	OFF	2831	0	333	0.00	0	67.2	67.2	67.2	17.3	17.3
5-6 PM	2580	0.0	303	0.0	OFF	2580	0	303	0.00	0	67.5	67.5	67.5	17.5	17.5
6-7 PM	2202	0.0	260	0.0	OFF	2202	0	260	0.00	0	68.0	68.0	68.0	17.8	17.8
7-8 PM	1869	0.0	220	0.0	1499	1714	156	376	6.92	163	68.4	12.0	30.8	18.1	17.2
8-9 PM	1623	0.0	192	0.0	1499	1466	158	349	8.47	193	68.7	10.3	30.8	18.4	17.5
9-10 PM	1338	0.0	158	0.0	1499	1337	1	159	5.01	116	69.1	15.1	32.1	18.6	18.7
10-11 PM	1003	0.0	118	0.0	1500	1003	0	118	0.60	0	69.5	48.5	41.7	18.9	18.9
11PM-MID	678	0.0	80	0.0	1500	678	0	80	0.55	0	69.9	49.8	42.8	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 (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	0.0110
MAIN ROUTE WITH WORKS	0.0103
DIVERSION	0.0177

PIA: Personal Injury Accidents

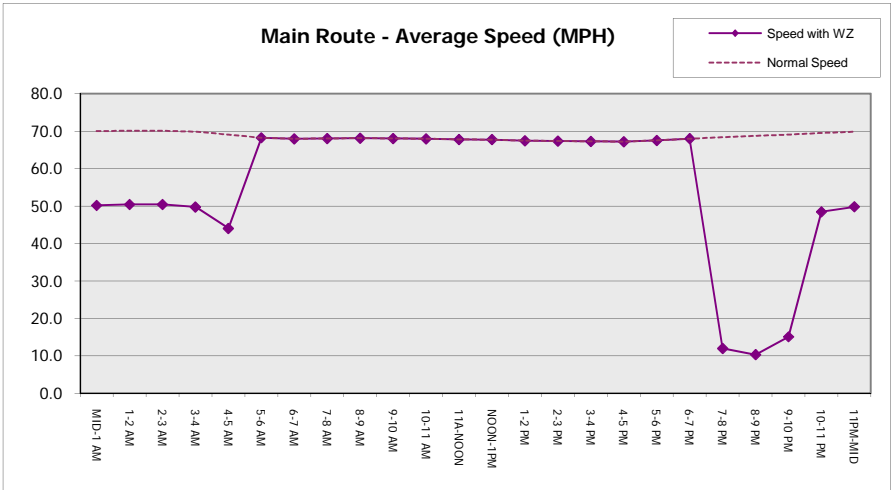
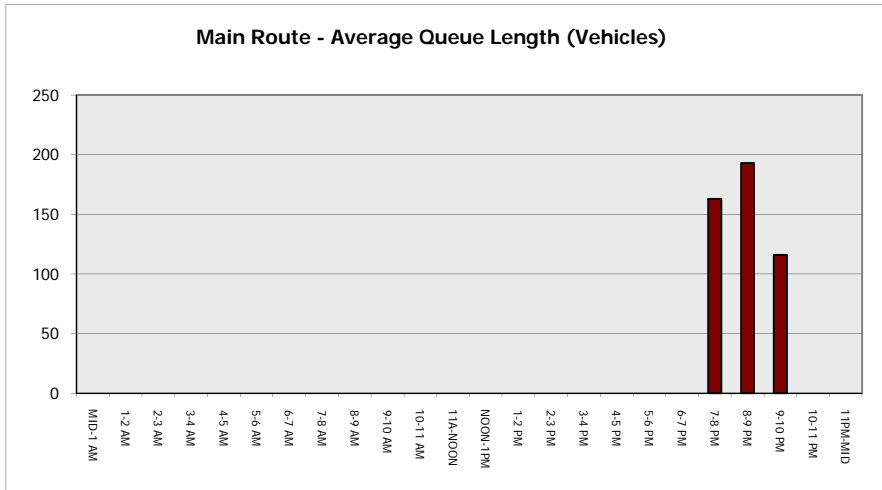
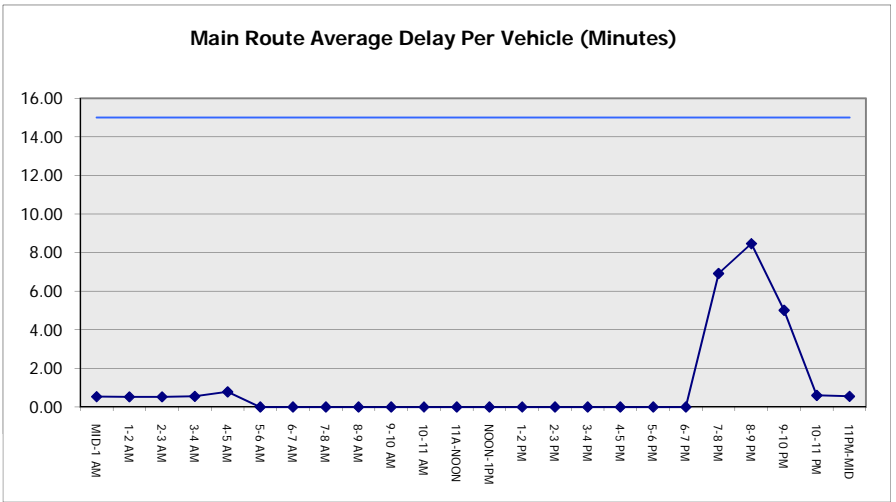
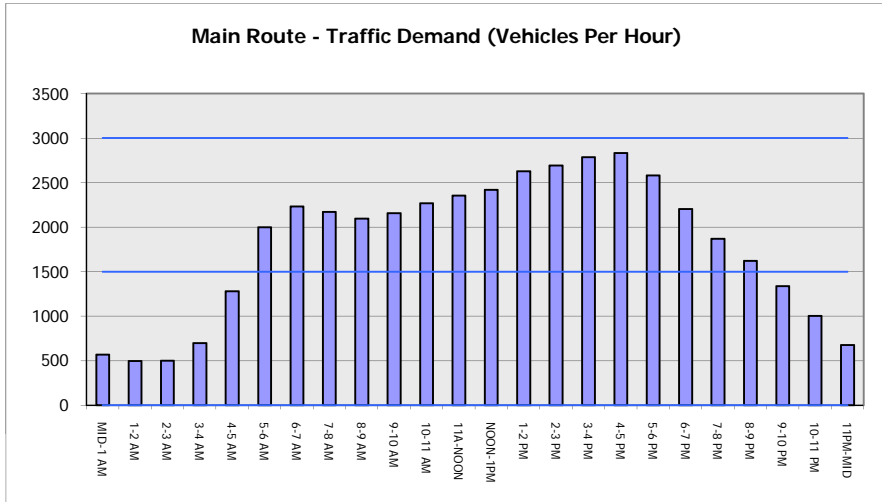
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$8,793
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)
NIGHTTIME 2 LANE CLOSURE
DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD	AUGUST
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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	529	0.0	62	0.0	1500	529	0	62	0.54	0	70.0	50.3	43.4	19.4	19.4
1-2 AM	354	0.0	42	0.0	1500	354	0	42	0.52	0	70.2	50.9	44.1	19.6	19.6
2-3 AM	311	0.0	37	0.0	1500	311	0	37	0.51	0	70.2	51.0	44.2	19.6	19.6
3-4 AM	358	0.0	42	0.0	1500	358	0	42	0.52	0	70.2	50.9	44.0	19.6	19.6
4-5 AM	517	0.0	61	0.0	1500	517	0	61	0.53	0	70.1	50.4	43.5	19.4	19.4
5-6 AM	876	0.0	104	0.0	OFF	876	0	104	0.00	0	69.6	69.6	69.6	19.1	19.1
6-7 AM	1536	0.0	181	0.0	OFF	1536	0	181	0.00	0	68.8	68.8	68.8	18.4	18.4
7-8 AM	1925	0.0	227	0.0	OFF	1925	0	227	0.00	0	68.4	68.4	68.4	18.1	18.1
8-9 AM	2126	0.0	250	0.0	OFF	2126	0	250	0.00	0	68.1	68.1	68.1	17.9	17.9
9-10 AM	2581	0.0	303	0.0	OFF	2581	0	303	0.00	0	67.5	67.5	67.5	17.5	17.5
10-11 AM	2790	0.0	329	0.0	OFF	2790	0	329	0.00	0	67.3	67.3	67.3	17.3	17.3
11A-NOON	2724	0.0	321	0.0	OFF	2724	0	321	0.00	0	67.4	67.4	67.4	17.3	17.3
NOON-1PM	2670	0.0	314	0.0	OFF	2670	0	314	0.00	0	67.4	67.4	67.4	17.4	17.4
1-2 PM	2775	0.0	326	0.0	OFF	2775	0	326	0.00	0	67.3	67.3	67.3	17.3	17.3
2-3 PM	2974	0.0	351	0.0	OFF	2974	0	351	0.00	0	67.1	67.1	67.1	17.1	17.1
3-4 PM	3122	0.0	367	0.0	OFF	3122	0	367	0.00	0	66.9	66.9	66.9	17.0	17.0
4-5 PM	3070	0.0	361	0.0	OFF	3070	0	361	0.00	0	66.9	66.9	66.9	17.0	17.0
5-6 PM	2634	0.0	310	0.0	OFF	2634	0	310	0.00	0	67.4	67.4	67.4	17.5	17.5
6-7 PM	2294	0.0	270	0.0	OFF	2294	0	270	0.00	0	67.9	67.9	67.9	17.8	17.8
7-8 PM	1842	0.0	217	0.0	1499	1706	135	352	6.78	158	68.4	12.2	30.8	18.2	17.4
8-9 PM	1561	0.0	184	0.0	1499	1465	95	279	8.16	185	68.8	10.6	30.8	18.4	18.0
9-10 PM	1298	0.0	153	0.0	1499	1298	0	153	3.29	87	69.1	20.6	33.1	18.7	18.7
10-11 PM	1093	0.0	129	0.0	1500	1093	0	129	0.60	0	69.4	48.4	41.4	18.9	18.9
11PM-MID	720	0.0	85	0.0	1500	720	0	85	0.56	0	69.9	49.7	42.7	19.2	19.2

"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	0.0108
MAIN ROUTE WITH WORKS	0.0102
DIVERSION	0.0171

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$7,605
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 NIGHTTIME 2 LANE CLOSURE
 DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD**

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION

