

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

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	602	0.0	71	0.0	1500	602	0	71	0.54	0	70.0	50.1	43.1	19.3	19.3
1-2 AM	483	0.0	56	0.0	1500	483	0	56	0.53	0	70.1	50.5	43.6	19.4	19.4
2-3 AM	429	0.0	50	0.0	1500	429	0	50	0.53	0	70.2	50.7	43.8	19.5	19.5
3-4 AM	399	0.0	47	0.0	1500	399	0	47	0.52	0	70.2	50.8	43.9	19.5	19.5
4-5 AM	489	0.0	58	0.0	1500	489	0	58	0.53	0	70.1	50.5	43.5	19.4	19.4
5-6 AM	617	0.0	72	0.0	1500	617	0	72	0.55	0	70.0	50.1	43.0	19.3	19.3
6-7 AM	855	0.0	100	0.0	1500	855	0	100	0.57	0	69.7	49.2	42.2	19.1	19.1
7-8 AM	1293	0.0	152	0.0	1499	1293	0	152	0.82	0	69.1	43.5	36.0	18.7	18.7
8-9 AM	1793	0.0	211	0.0	OFF	1793	0	211	0.00	0	68.5	68.5	68.5	18.2	18.2
9-10 AM	2324	0.0	274	0.0	OFF	2324	0	274	0.00	0	67.9	67.9	67.9	17.7	17.7
10-11 AM	2753	0.0	324	0.0	OFF	2753	0	324	0.00	0	67.3	67.3	67.3	17.3	17.3
11A-NOON	2816	0.0	332	0.0	OFF	2816	0	332	0.00	0	67.3	67.3	67.3	17.3	17.3
NOON-1PM	2802	0.0	330	0.0	OFF	2802	0	330	0.00	0	67.3	67.3	67.3	17.3	17.3
1-2 PM	2765	0.0	325	0.0	OFF	2765	0	325	0.00	0	67.3	67.3	67.3	17.3	17.3
2-3 PM	2643	0.0	311	0.0	OFF	2643	0	311	0.00	0	67.4	67.4	67.4	17.5	17.5
3-4 PM	2635	0.0	311	0.0	OFF	2635	0	311	0.00	0	67.4	67.4	67.4	17.5	17.5
4-5 PM	2568	0.0	302	0.0	OFF	2568	0	302	0.00	0	67.6	67.6	67.6	17.5	17.5
5-6 PM	2241	0.0	264	0.0	OFF	2241	0	264	0.00	0	67.9	67.9	67.9	17.8	17.8
6-7 PM	1932	0.0	227	0.0	1499	1724	209	436	7.59	179	68.3	11.2	30.8	18.1	16.8
7-8 PM	1655	0.0	195	0.0	1500	1462	193	388	8.66	198	68.7	10.1	30.8	18.3	17.3
8-9 PM	1531	0.0	180	0.0	1500	1482	48	228	7.91	178	68.8	10.7	30.8	18.4	18.4
9-10 PM	1270	0.0	150	0.0	1499	1270	0	150	2.72	77	69.2	23.4	34.0	18.7	18.7
10-11 PM	960	0.0	113	0.0	1500	960	0	113	0.58	0	69.6	48.9	41.8	19.0	19.0
11PM-MID	579	0.0	68	0.0	1500	579	0	68	0.54	0	70.0	50.2	43.2	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	0.0098
MAIN ROUTE WITH WORKS	0.0088
DIVERSION	0.0162

PIA: Personal Injury Accidents

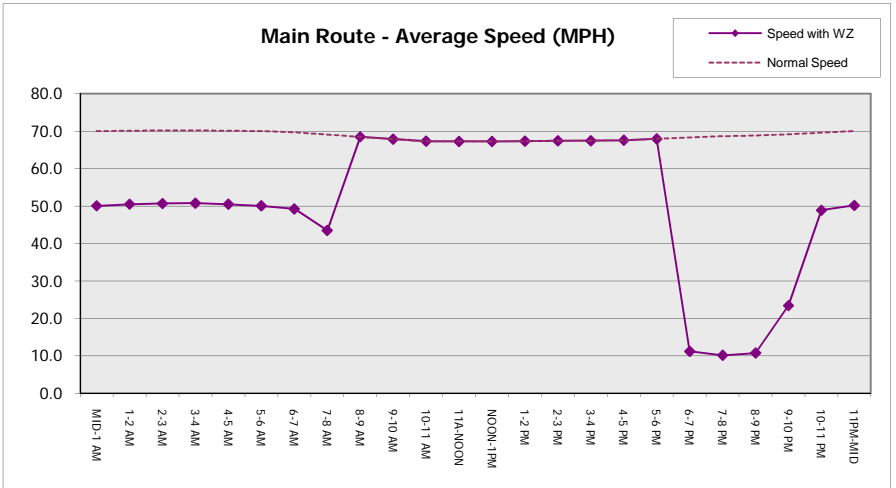
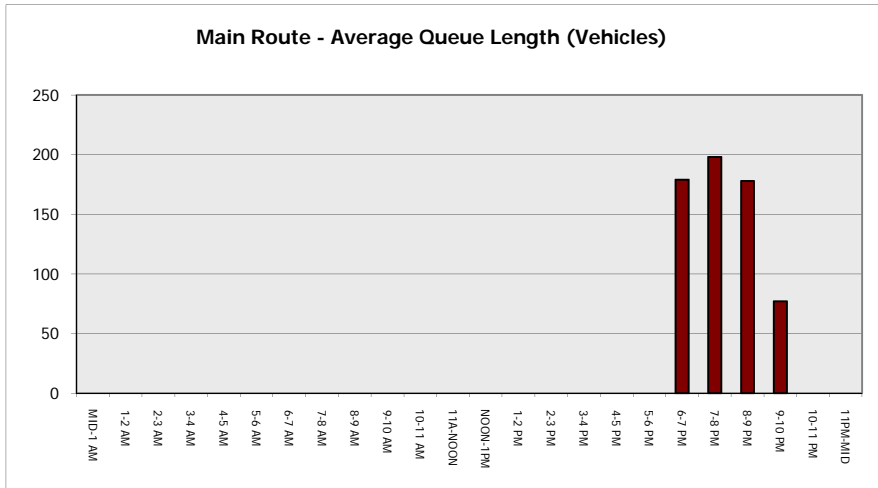
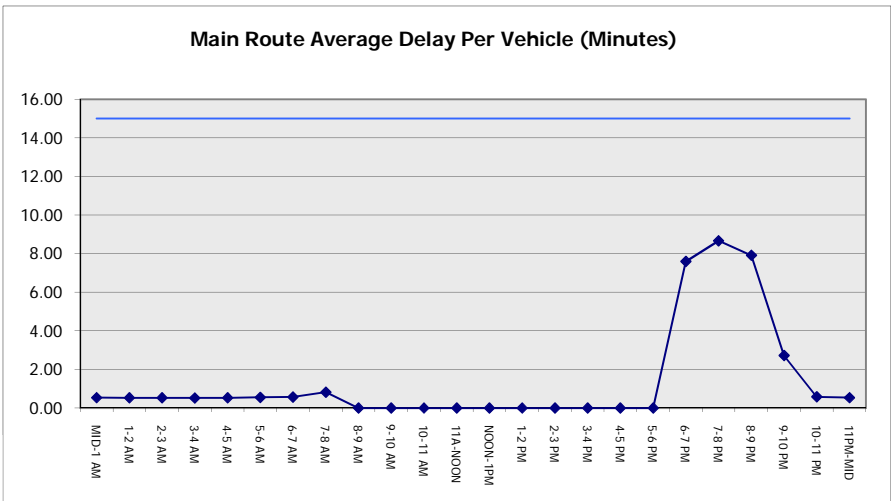
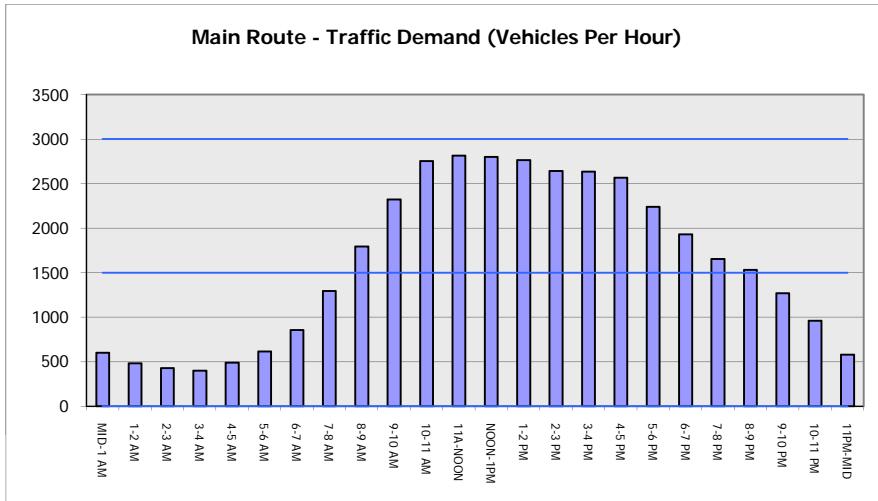
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$13,067
CONGESTED HOURS PER DAY*	0

*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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY 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	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	584	0.0	69	0.0	1500	584	0	69	0.54	0	70.0	50.1	43.2	19.3	19.3
1-2 AM	380	0.0	45	0.0	1500	380	0	45	0.52	0	70.2	50.9	44.0	19.5	19.5
2-3 AM	301	0.0	36	0.0	1500	301	0	36	0.51	0	70.2	51.1	44.3	19.6	19.6
3-4 AM	305	0.0	36	0.0	1500	305	0	36	0.51	0	70.2	51.1	44.3	19.6	19.6
4-5 AM	452	0.0	53	0.0	1500	452	0	53	0.53	0	70.2	50.6	43.7	19.4	19.4
5-6 AM	642	0.0	75	0.0	1500	642	0	75	0.55	0	69.9	49.9	43.0	19.3	19.3
6-7 AM	1198	0.0	141	0.0	1499	1198	0	141	0.75	0	69.2	45.0	37.6	18.8	18.8
7-8 AM	2066	0.0	243	0.0	1499	1802	264	506	7.00	179	68.2	12.1	30.8	17.9	16.3
8-9 AM	2644	0.0	311	0.0	OFF	2644	0	311	0.14	13	67.4	61.2	61.2	17.5	17.5
9-10 AM	3170	0.0	373	0.0	OFF	3170	0	373	0.00	0	66.8	66.8	66.8	17.0	17.0
10-11 AM	3322	0.0	391	0.0	OFF	3322	0	391	0.00	0	66.6	66.6	66.6	16.8	16.8
11A-NOON	3154	0.0	371	0.0	OFF	3154	0	371	0.00	0	66.8	66.8	66.8	17.0	17.0
NOON-1PM	2786	0.0	327	0.0	OFF	2786	0	327	0.00	0	67.3	67.3	67.3	17.3	17.3
1-2 PM	2512	0.0	296	0.0	OFF	2512	0	296	0.00	0	67.6	67.6	67.6	17.5	17.5
2-3 PM	2458	0.0	290	0.0	OFF	2458	0	290	0.00	0	67.7	67.7	67.7	17.6	17.6
3-4 PM	2470	0.0	291	0.0	OFF	2470	0	291	0.00	0	67.7	67.7	67.7	17.6	17.6
4-5 PM	2388	0.0	281	0.0	OFF	2388	0	281	0.00	0	67.8	67.8	67.8	17.6	17.6
5-6 PM	2050	0.0	242	0.0	OFF	2050	0	242	0.00	0	68.2	68.2	68.2	17.9	17.9
6-7 PM	1775	0.0	209	0.0	1499	1703	72	281	5.91	139	68.6	13.5	30.8	18.2	17.9
7-8 PM	1514	0.0	178	0.0	1499	1447	67	245	7.82	176	68.9	10.8	30.8	18.4	18.3
8-9 PM	1209	0.0	142	0.0	1499	1209	0	142	1.69	45	69.2	31.2	36.5	18.8	18.8
9-10 PM	1127	0.0	133	0.0	1500	1127	0	133	0.61	0	69.3	48.1	40.9	18.8	18.8
10-11 PM	863	0.0	101	0.0	1500	863	0	101	0.57	0	69.7	49.2	42.2	19.1	19.1
11PM-MID	583	0.0	69	0.0	1500	583	0	69	0.54	0	70.0	50.1	43.2	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	0.0102
MAIN ROUTE WITH WORKS	0.0092
DIVERSION	0.0167

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$11,566
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**

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

