

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

FRIDAY 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	639	0.0	75	0.0	1500	639	0	75	0.55	0	69.9	49.9	43.0	19.3	19.3
1-2 AM	532	0.0	63	0.0	1500	532	0	63	0.54	0	70.0	50.3	43.4	19.4	19.4
2-3 AM	554	0.0	65	0.0	1500	554	0	65	0.54	0	70.0	50.2	43.3	19.4	19.4
3-4 AM	643	0.0	75	0.0	1500	643	0	75	0.55	0	69.9	49.9	43.0	19.3	19.3
4-5 AM	1072	0.0	127	0.0	1499	1072	0	127	0.64	0	69.4	47.3	40.1	18.9	18.9
5-6 AM	1706	0.0	201	0.0	OFF	1706	0	201	0.00	0	68.6	68.6	68.6	18.3	18.3
6-7 AM	1991	0.0	234	0.0	OFF	1991	0	234	0.00	0	68.2	68.2	68.2	18.0	18.0
7-8 AM	2127	0.0	250	0.0	OFF	2127	0	250	0.00	0	68.1	68.1	68.1	17.9	17.9
8-9 AM	2072	0.0	244	0.0	OFF	2072	0	244	0.00	0	68.2	68.2	68.2	17.9	17.9
9-10 AM	2248	0.0	265	0.0	OFF	2248	0	265	0.00	0	67.9	67.9	67.9	17.8	17.8
10-11 AM	2619	0.0	309	0.0	OFF	2619	0	309	0.00	0	67.5	67.5	67.5	17.5	17.5
11A-NOON	2882	0.0	339	0.0	OFF	2882	0	339	0.00	0	67.1	67.1	67.1	17.2	17.2
NOON-1PM	2996	0.0	353	0.0	OFF	2996	0	353	0.00	0	67.0	67.0	67.0	17.1	17.1
1-2 PM	3470	0.0	408	0.0	OFF	3470	0	408	0.00	0	66.4	66.4	66.4	16.6	16.6
2-3 PM	3691	0.0	434	0.0	OFF	3691	0	434	0.00	0	65.6	65.6	65.6	16.5	16.5
3-4 PM	3698	0.0	435	0.0	OFF	3698	0	435	0.00	0	65.6	65.6	65.6	16.5	16.5
4-5 PM	3542	0.0	418	0.0	OFF	3542	0	418	0.00	0	66.3	66.3	66.3	16.6	16.6
5-6 PM	3398	0.0	400	0.0	OFF	3398	0	400	0.00	0	66.5	66.5	66.5	16.7	16.7
6-7 PM	3131	0.0	368	0.0	OFF	3131	0	368	0.00	0	66.8	66.8	66.8	17.0	17.0
7-8 PM	2620	0.0	309	0.0	1499	1917	703	1011	13.20	335	67.5	8.0	30.8	17.5	13.1
8-9 PM	2195	0.0	258	0.0	1499	1365	830	1089	13.71	332	68.0	7.8	30.8	17.8	12.4
9-10 PM	2059	0.0	243	0.0	1500	1465	594	837	11.38	270	68.2	8.6	30.8	17.9	14.2
10-11 PM	1545	0.0	182	0.0	1499	1393	152	334	8.13	186	68.8	10.6	30.8	18.4	17.6
11PM-MID	1022	0.0	120	0.0	1500	1022	0	120	1.14	26	69.5	38.1	39.9	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	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		0.0133
MAIN ROUTE WITH WORKS		0.0121
DIVERSION		0.0276

PIA: Personal Injury Accidents

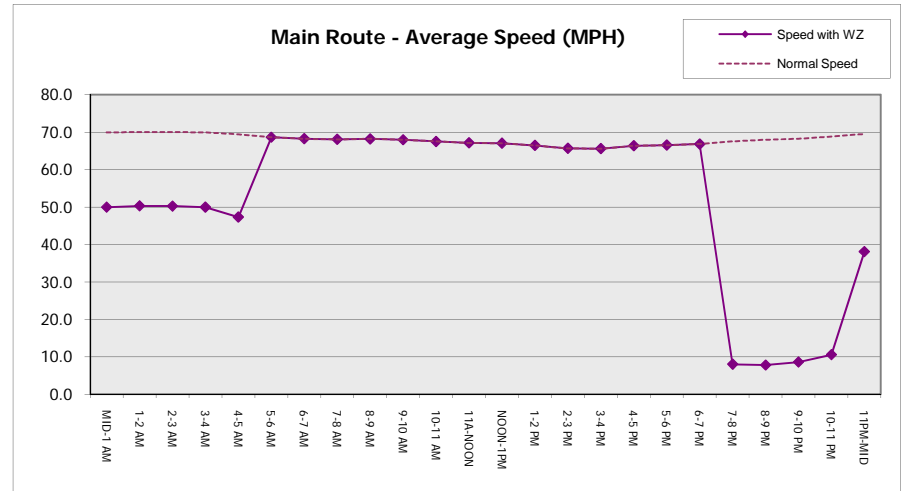
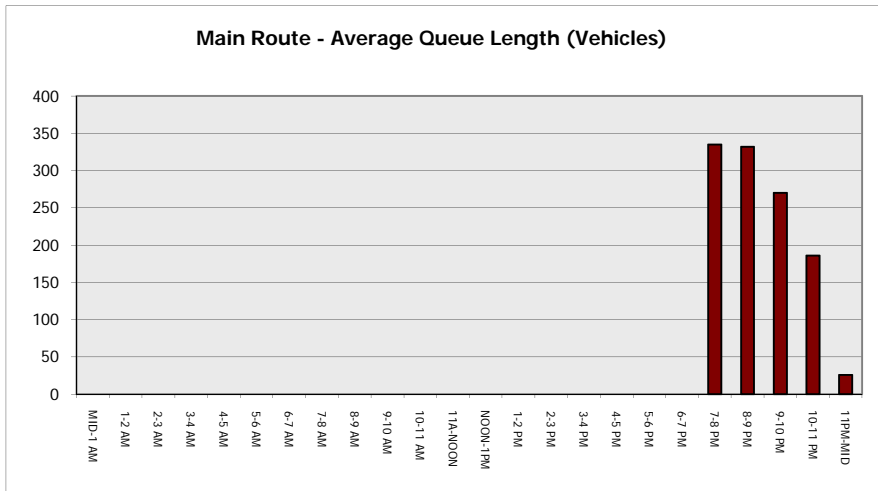
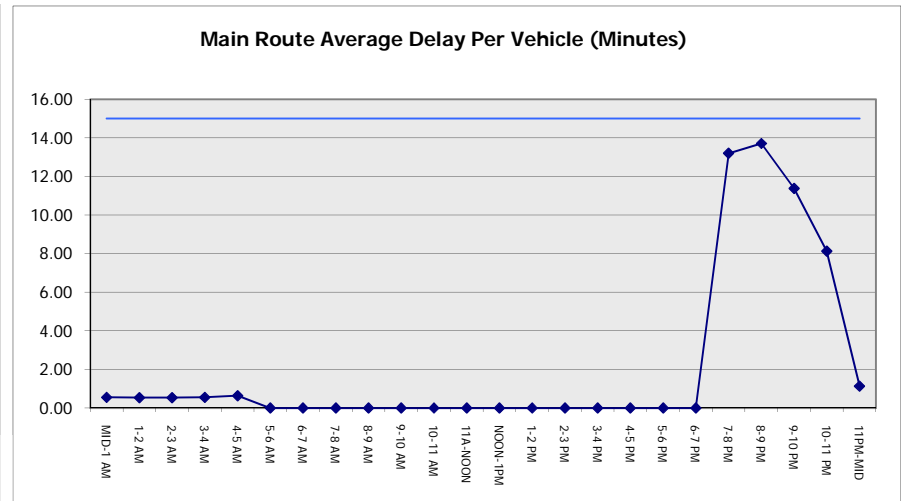
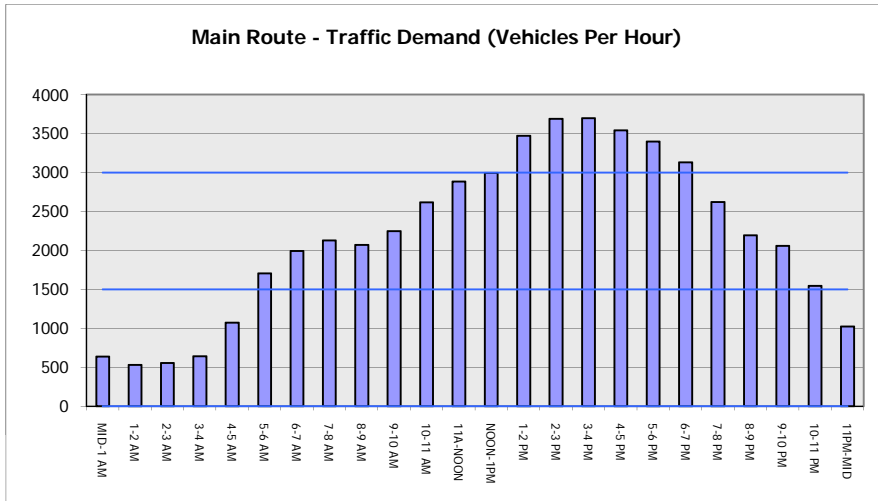
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$26,207
CONGESTED HOURS PER DAY*	0

*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
FRIDAY 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
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT	
FRIDAY	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	720	0.0	85	0.0	1500	720	0	85	0.56	0	69.9	49.7	42.7	19.2	19.2
1-2 AM	467	0.0	55	0.0	1500	467	0	55	0.53	0	70.2	50.5	43.7	19.4	19.4
2-3 AM	411	0.0	48	0.0	1500	411	0	48	0.52	0	70.2	50.7	43.8	19.5	19.5
3-4 AM	409	0.0	48	0.0	1500	409	0	48	0.52	0	70.2	50.7	43.8	19.5	19.5
4-5 AM	516	0.0	61	0.0	1500	516	0	61	0.53	0	70.1	50.4	43.5	19.4	19.4
5-6 AM	869	0.0	103	0.0	OFF	869	0	103	0.00	0	69.7	69.7	69.7	19.1	19.1
6-7 AM	1450	0.0	171	0.0	OFF	1450	0	171	0.00	0	68.9	68.9	68.9	18.5	18.5
7-8 AM	2128	0.0	250	0.0	OFF	2128	0	250	0.00	0	68.1	68.1	68.1	17.9	17.9
8-9 AM	2536	0.0	298	0.0	OFF	2536	0	298	0.00	0	67.6	67.6	67.6	17.5	17.5
9-10 AM	3242	0.0	382	0.0	OFF	3242	0	382	0.00	0	66.7	66.7	66.7	16.9	16.9
10-11 AM	3986	0.0	470	0.0	OFF	3986	0	470	0.00	0	63.7	63.7	63.7	16.1	16.1
11A-NOON	4044	0.0	476	0.0	OFF	4044	0	476	0.00	0	63.2	63.2	63.2	16.1	16.1
NOON-1PM	4038	0.0	475	0.0	OFF	4038	0	475	0.00	0	63.3	63.3	63.3	16.1	16.1
1-2 PM	4670	0.0	550	0.0	OFF	4670	0	550	0.00	0	58.9	58.9	58.9	15.5	15.5
2-3 PM	4846	0.0	570	0.0	OFF	4846	0	570	0.00	0	57.8	57.8	57.8	15.4	15.4
3-4 PM	4695	0.0	553	0.0	OFF	4695	0	553	0.00	0	58.8	58.8	58.8	15.5	15.5
4-5 PM	4759	0.0	560	0.0	OFF	4759	0	560	0.00	0	58.4	58.4	58.4	15.5	15.5
5-6 PM	4566	0.0	538	0.0	OFF	4566	0	538	0.00	0	59.7	59.7	59.7	15.6	15.6
6-7 PM	4359	0.0	513	0.0	OFF	4359	0	513	0.00	0	61.1	61.1	61.1	15.8	15.8
7-8 PM	3132	0.0	368	0.0	1499	1911	1221	1590	15.99	401	66.8	7.1	30.8	17.0	11.4
8-9 PM	2207	0.0	260	0.0	1499	1350	857	1116	14.04	343	68.0	7.6	30.8	17.8	12.3
9-10 PM	1634	0.0	193	0.0	1500	1414	219	412	8.79	202	68.7	10.1	30.8	18.4	17.1
10-11 PM	1394	0.0	164	0.0	1499	1393	0	165	6.28	140	69.0	12.7	31.2	18.6	18.7
11PM-MID	1051	0.0	123	0.0	1500	1051	0	124	0.76	6	69.4	44.7	40.9	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	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	0.0158
MAIN ROUTE WITH WORKS	0.0146
DIVERSION	0.0314

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$26,843
CONGESTED HOURS PER DAY*	1

*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
FRIDAY EASTBOUND DIRECTION

