

IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY) CONTINUOUS (24 HOUR) 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	1499	1766	27	238	4.24	108	68.5	17.3	30.8	18.2	18.1
9-10 AM	2324	0.0	274	0.0	1499	1594	731	1005	12.84	309	67.9	8.0	30.8	17.7	13.0
10-11 AM	2753	0.0	324	0.0	1500	1633	1120	1444	18.09	447	67.3	6.7	30.8	17.3	10.3
11A-NOON	2816	0.0	332	0.0	1500	1503	1313	1645+	19.99	495	67.3	6.3	30.8	17.3	9.6
NOON-1PM	2802	0.0	330	0.0	1500	1500	1302	1632+	19.98	495	67.3	6.3	30.8	17.3	9.6
1-2 PM	2765	0.0	325	0.0	1500	1499	1266	1591	19.94	494	67.3	6.3	30.8	17.3	9.6
2-3 PM	2643	0.0	311	0.0	1499	1473	1170	1481	19.46	481	67.4	6.5	30.8	17.5	9.8
3-4 PM	2635	0.0	311	0.0	1500	1494	1141	1452	18.87	466	67.4	6.5	30.8	17.5	10.0
4-5 PM	2568	0.0	302	0.0	1500	1458	1110	1413	18.13	447	67.6	6.6	30.8	17.5	10.2
5-6 PM	2241	0.0	264	0.0	1499	1372	869	1132	14.19	345	67.9	7.6	30.8	17.8	12.2
6-7 PM	1932	0.0	227	0.0	1500	1431	501	728	10.60	249	68.3	8.9	30.8	18.1	14.9
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

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0098
MAIN ROUTE WITH WORKS	0.0052
DIVERSION	0.0500

PIA: Personal Injury Accidents

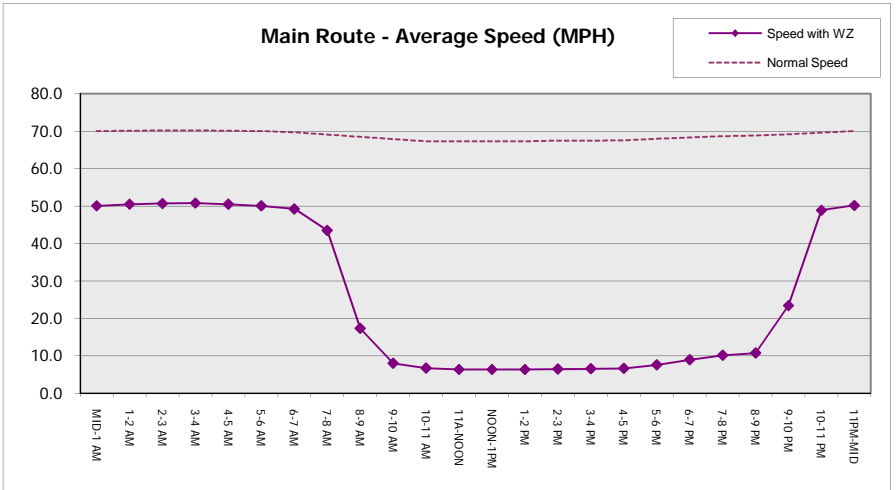
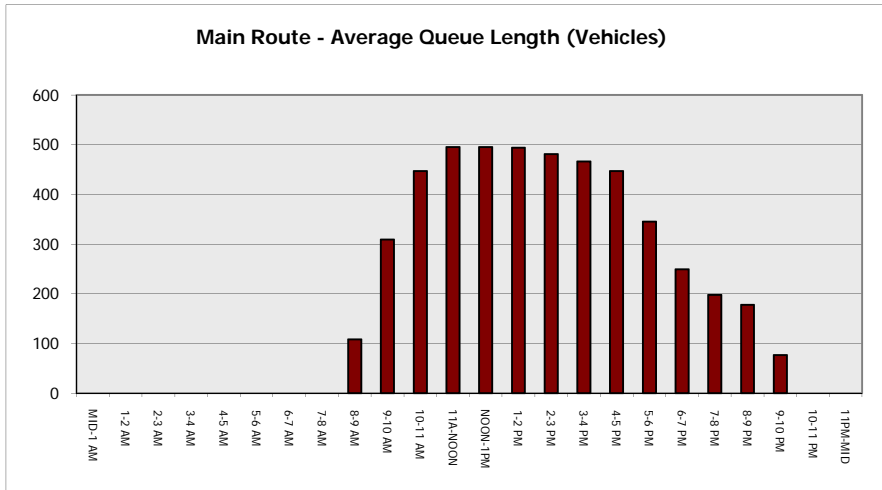
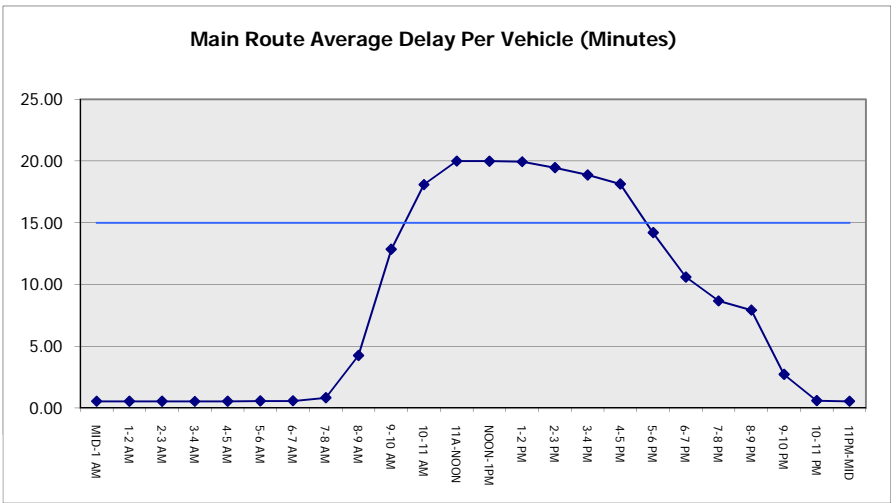
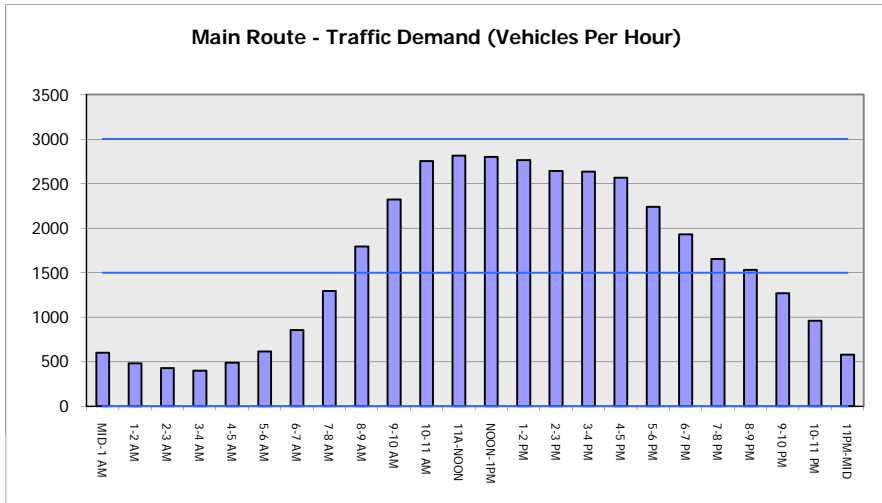
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$147,740
CONGESTED HOURS PER DAY*	7

*Delays Exceeding 15 Minutes

**IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)
 CONTINUOUS (24 HOUR) 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) CONTINUOUS (24 HOUR) 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	1499	1683	960	1271	15.96	393	67.4	7.1	30.8	17.5	11.2
9-10 AM	3170	0.0	373	0.0	1499	1509	1661	2034+	20.27	503	66.8	6.3	30.8	17.0	9.5
10-11 AM	3322	0.0	391	0.0	1499	1500	1822	2213+	20.32	505	66.6	6.3	30.8	16.8	9.5
11A-NOON	3154	0.0	371	0.0	1500	1506	1648	2020+	20.29	503	66.8	6.3	30.8	17.0	9.5
NOON-1PM	2786	0.0	327	0.0	1500	1493	1292	1620+	19.97	495	67.3	6.3	30.8	17.3	9.6
1-2 PM	2512	0.0	296	0.0	1499	1407	1105	1401	17.95	442	67.6	6.7	30.8	17.5	10.3
2-3 PM	2458	0.0	290	0.0	1500	1479	979	1269	15.86	387	67.7	7.1	30.8	17.6	11.2
3-4 PM	2470	0.0	291	0.0	1500	1502	967	1258	15.71	383	67.7	7.2	30.8	17.6	11.3
4-5 PM	2388	0.0	281	0.0	1500	1461	927	1209	15.07	366	67.8	7.3	30.8	17.6	11.6
5-6 PM	2050	0.0	242	0.0	1499	1403	646	888	11.81	282	68.2	8.4	30.8	17.9	13.8
6-7 PM	1775	0.0	209	0.0	1500	1454	321	530	9.39	217	68.6	9.6	30.8	18.2	16.3
7-8 PM	1514	0.0	178	0.0	1500	1450	64	242	7.81	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

+ 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	0.0102
MAIN ROUTE WITH WORKS	0.0051
DIVERSION	0.0566

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$158,896
CONGESTED HOURS PER DAY*	9

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) 2 LANE CLOSURE
 DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD**

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

