

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

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	373	0.0	44	0.0	1500	373	0	44	0.52	0	70.2	50.9	44.0	19.5	19.5
1-2 AM	309	0.0	37	0.0	1500	309	0	37	0.51	0	70.2	51.0	44.3	19.6	19.6
2-3 AM	223	0.0	26	0.0	1500	223	0	26	0.50	0	70.2	51.4	44.6	19.7	19.7
3-4 AM	224	0.0	26	0.0	1500	224	0	26	0.50	0	70.2	51.4	44.6	19.7	19.7
4-5 AM	247	0.0	29	0.0	1500	247	0	29	0.50	0	70.2	51.3	44.5	19.6	19.6
5-6 AM	325	0.0	39	0.0	1500	325	0	39	0.51	0	70.2	51.0	44.2	19.6	19.6
6-7 AM	464	0.0	54	0.0	1500	464	0	54	0.53	0	70.2	50.5	43.7	19.4	19.4
7-8 AM	719	0.0	85	0.0	1500	719	0	85	0.56	0	69.9	49.7	42.7	19.2	19.2
8-9 AM	1115	0.0	131	0.0	1499	1115	0	131	0.66	0	69.4	46.9	39.7	18.8	18.8
9-10 AM	1562	0.0	184	0.0	1499	1562	0	184	1.68	23	68.8	31.1	31.4	18.4	18.4
10-11 AM	2110	0.0	248	0.0	1500	1711	399	647	9.82	238	68.1	9.5	30.8	17.9	15.5
11A-NOON	2614	0.0	308	0.0	1500	1656	957	1265	15.86	389	67.5	7.1	30.8	17.5	11.2
NOON-1PM	2826	0.0	333	0.0	1499	1536	1289	1622+	19.80	490	67.2	6.4	30.8	17.3	9.7
1-2 PM	3134	0.0	369	0.0	1499	1504	1630	1999+	20.26	503	66.8	6.3	30.8	17.0	9.5
2-3 PM	3598	0.0	424	0.0	1500	1500	2098	2521+	20.31	505	66.3	6.3	30.8	16.5	9.5
3-4 PM	3979	0.0	469	0.0	1500	1500	2479	2947+	20.22	505	63.7	6.3	30.8	16.2	9.5
4-5 PM	4085	0.0	481	0.0	1500	1500	2585	3066+	20.20	505	63.0	6.3	30.8	16.1	9.5
5-6 PM	4004	0.0	472	0.0	1500	1500	2504	2976+	20.22	505	63.5	6.3	30.8	16.1	9.5
6-7 PM	3631	0.0	428	0.0	1500	1500	2131	2559+	20.30	505	66.1	6.3	30.8	16.5	9.5
7-8 PM	3166	0.0	372	0.0	1500	1501	1665	2038+	20.28	503	66.8	6.3	30.8	17.0	9.5
8-9 PM	2756	0.0	324	0.0	1500	1472	1284	1608+	19.83	491	67.3	6.4	30.8	17.3	9.7
9-10 PM	2128	0.0	250	0.0	1499	1278	850	1100	13.92	342	68.1	7.7	30.8	17.9	12.4
10-11 PM	1584	0.0	186	0.0	1500	1399	186	372	8.42	193	68.7	10.4	30.8	18.4	17.4
11PM-MID	904	0.0	107	0.0	1500	904	0	107	1.04	25	69.6	39.7	41.3	19.0	19.0

+ 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	0.0117
MAIN ROUTE WITH WORKS	0.0049
DIVERSION	0.0831

PIA: Personal Injury Accidents

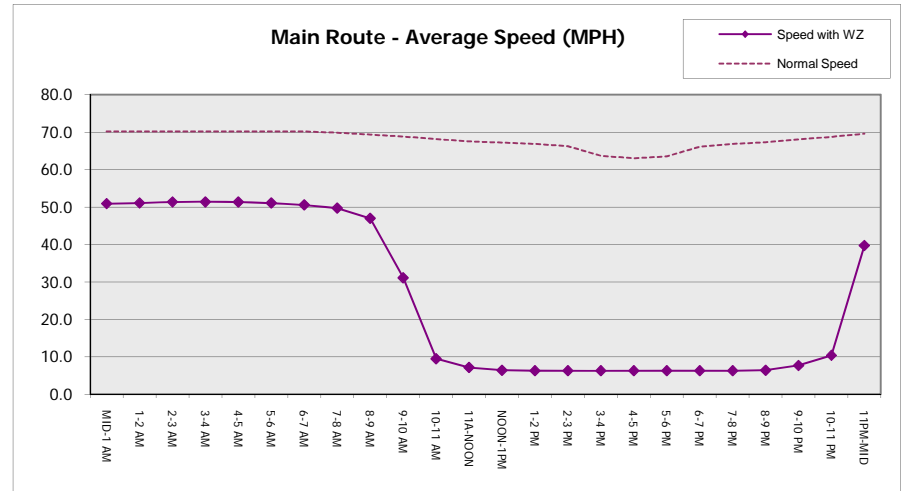
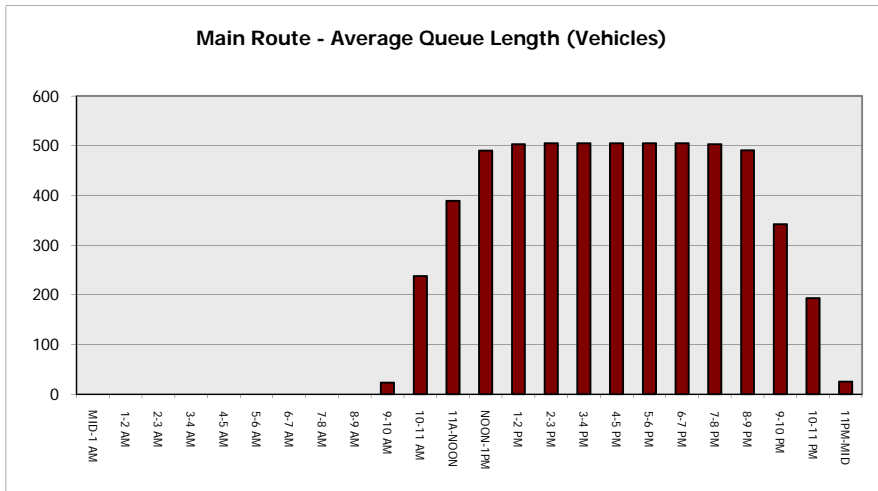
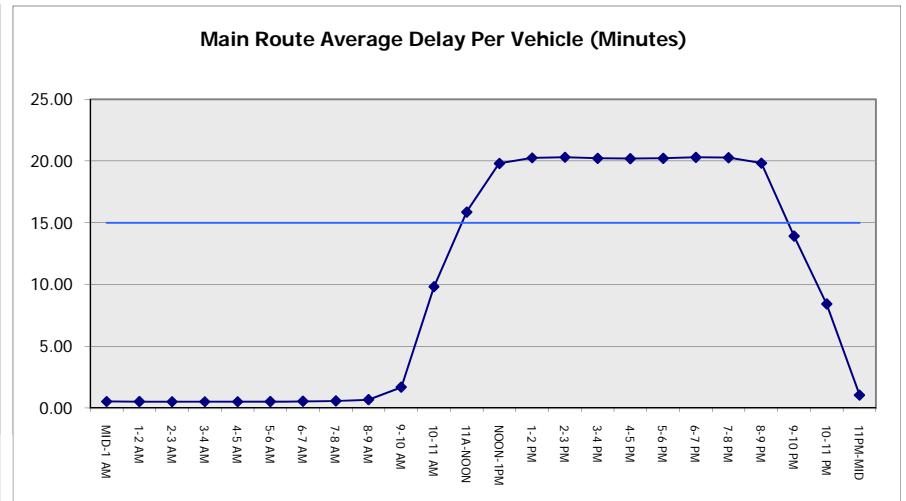
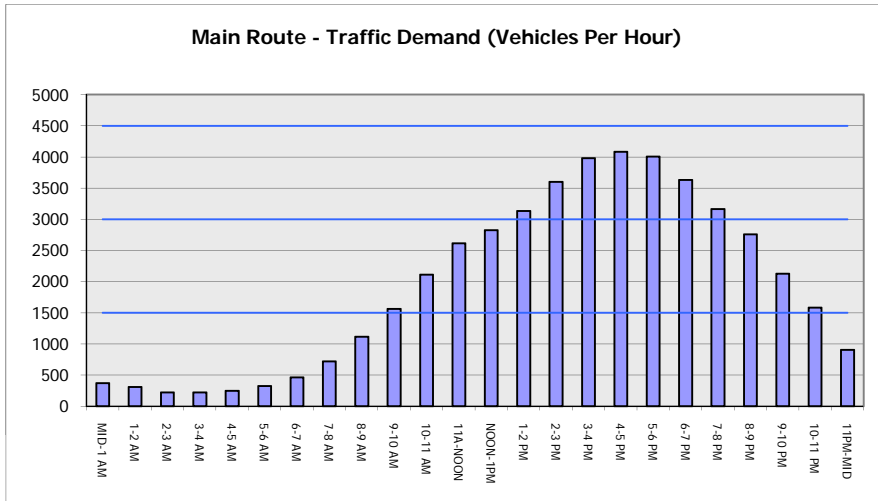
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$225,516
CONGESTED HOURS PER DAY*	10

*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
SUNDAY 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

SUNDAY EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			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		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	364	0.0	43	0.0	1500	364	0	43	0.52	0	70.2	50.9	44.0	19.6	19.6
1-2 AM	236	0.0	28	0.0	1500	236	0	28	0.50	0	70.2	51.3	44.5	19.6	19.6
2-3 AM	193	0.0	23	0.0	1500	193	0	23	0.50	0	70.2	51.5	44.7	19.7	19.7
3-4 AM	176	0.0	21	0.0	1500	176	0	21	0.49	0	70.2	51.5	44.8	19.7	19.7
4-5 AM	218	0.0	26	0.0	1500	218	0	26	0.50	0	70.2	51.4	44.6	19.7	19.7
5-6 AM	336	0.0	40	0.0	1500	336	0	40	0.51	0	70.2	51.0	44.2	19.6	19.6
6-7 AM	615	0.0	72	0.0	1500	615	0	72	0.55	0	70.0	50.1	43.1	19.3	19.3
7-8 AM	980	0.0	115	0.0	1499	980	0	115	0.58	0	69.5	48.8	41.7	18.9	18.9
8-9 AM	1469	0.0	173	0.0	1499	1469	0	173	1.37	14	68.9	34.7	32.8	18.5	18.5
9-10 AM	2127	0.0	250	0.0	1500	1761	366	616	9.60	238	68.1	9.7	30.8	17.9	15.8
10-11 AM	2758	0.0	324	0.0	1500	1680	1078	1403	17.33	429	67.3	6.8	30.8	17.3	10.6
11A-NOON	2937	0.0	345	0.0	1499	1503	1434	1779+	20.11	499	67.1	6.3	30.8	17.1	9.6
NOON-1PM	3032	0.0	357	0.0	1500	1502	1529	1886+	20.20	501	66.9	6.3	30.8	17.1	9.6
1-2 PM	3053	0.0	360	0.0	1500	1501	1553	1913+	20.23	502	66.9	6.3	30.8	17.0	9.6
2-3 PM	2996	0.0	353	0.0	1500	1499	1497	1849+	20.17	500	67.0	6.3	30.8	17.1	9.6
3-4 PM	2944	0.0	346	0.0	1500	1499	1445	1792+	20.12	499	67.1	6.3	30.8	17.1	9.6
4-5 PM	2906	0.0	342	0.0	1499	1499	1407	1750+	20.08	498	67.1	6.3	30.8	17.2	9.6
5-6 PM	2634	0.0	310	0.0	1500	1446	1188	1498	19.39	480	67.4	6.5	30.8	17.5	9.8
6-7 PM	2238	0.0	264	0.0	1499	1345	893	1157	14.49	354	67.9	7.5	30.8	17.8	12.0
7-8 PM	1876	0.0	221	0.0	1500	1421	455	675	10.26	241	68.4	9.1	30.8	18.1	15.3
8-9 PM	1448	0.0	171	0.0	1500	1392	56	226	7.24	163	68.9	11.4	30.8	18.5	18.3
9-10 PM	1087	0.0	128	0.0	1500	1087	0	128	0.98	15	69.4	40.6	39.7	18.9	18.9
10-11 PM	768	0.0	90	0.0	1500	768	0	90	0.56	0	69.8	49.5	42.5	19.2	19.2
11PM-MID	621	0.0	73	0.0	1500	621	0	73	0.55	0	70.0	50.0	43.0	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	0.0097
MAIN ROUTE WITH WORKS	0.0047
DIVERSION	0.0567

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$166,724
CONGESTED HOURS PER DAY*	8

*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
SUNDAY EASTBOUND DIRECTION

