

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

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	492	0.0	58	0.0	1500	492	0	58	0.53	0	70.1	50.5	43.5	19.4	19.4
1-2 AM	425	0.0	50	0.0	1500	425	0	50	0.52	0	70.2	50.7	43.8	19.5	19.5
2-3 AM	454	0.0	53	0.0	1500	454	0	53	0.53	0	70.2	50.6	43.7	19.4	19.4
3-4 AM	651	0.0	76	0.0	1500	651	0	76	0.55	0	69.9	49.9	42.9	19.3	19.3
4-5 AM	1197	0.0	141	0.0	1499	1197	0	141	0.74	0	69.2	45.1	37.7	18.8	18.8
5-6 AM	1988	0.0	234	0.0	1499	1773	214	449	6.62	166	68.2	12.6	30.8	18.0	16.7
6-7 AM	2174	0.0	256	0.0	1499	1520	654	910	11.97	285	68.1	8.3	30.8	17.9	13.7
7-8 AM	2135	0.0	251	0.0	1499	1480	655	906	11.94	284	68.1	8.4	30.8	17.9	13.7
8-9 AM	1916	0.0	226	0.0	1499	1456	459	685	10.31	241	68.4	9.1	30.8	18.1	15.2
9-10 AM	1929	0.0	227	0.0	1500	1509	420	647	10.06	235	68.3	9.3	30.8	18.1	15.5
10-11 AM	2002	0.0	235	0.0	1500	1516	486	722	10.55	247	68.2	9.0	30.8	18.0	15.0
11A-NOON	2080	0.0	245	0.0	1500	1518	563	807	11.16	263	68.1	8.7	30.8	17.9	14.3
NOON-1PM	2197	0.0	258	0.0	1500	1532	665	923	12.08	288	68.0	8.3	30.8	17.8	13.5
1-2 PM	2403	0.0	282	0.0	1500	1562	841	1124	14.05	340	67.8	7.6	30.8	17.6	12.2
2-3 PM	2496	0.0	294	0.0	1499	1536	961	1255	15.66	382	67.6	7.2	30.8	17.6	11.3
3-4 PM	2664	0.0	314	0.0	1500	1574	1090	1404	17.98	443	67.4	6.7	30.8	17.4	10.3
4-5 PM	2692	0.0	317	0.0	1499	1504	1188	1505	19.66	487	67.4	6.4	30.8	17.4	9.7
5-6 PM	2317	0.0	273	0.0	1499	1337	981	1254	15.72	386	67.9	7.2	30.8	17.7	11.4
6-7 PM	1987	0.0	234	0.0	1500	1417	569	804	11.15	264	68.2	8.7	30.8	18.0	14.4
7-8 PM	1705	0.0	201	0.0	1500	1457	247	448	8.95	206	68.6	9.9	30.8	18.3	16.8
8-9 PM	1496	0.0	176	0.0	1500	1453	42	218	7.65	172	68.9	11.0	30.8	18.5	18.4
9-10 PM	1200	0.0	141	0.0	1499	1200	0	141	1.64	45	69.2	31.7	36.9	18.8	18.8
10-11 PM	903	0.0	107	0.0	1500	903	0	107	0.58	0	69.6	49.1	42.0	19.0	19.0
11PM-MID	594	0.0	70	0.0	1500	594	0	70	0.54	0	70.0	50.1	43.2	19.3	19.3

----- 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	0.0102
MAIN ROUTE WITH WORKS	0.0057
DIVERSION	0.0481

PIA: Personal Injury Accidents

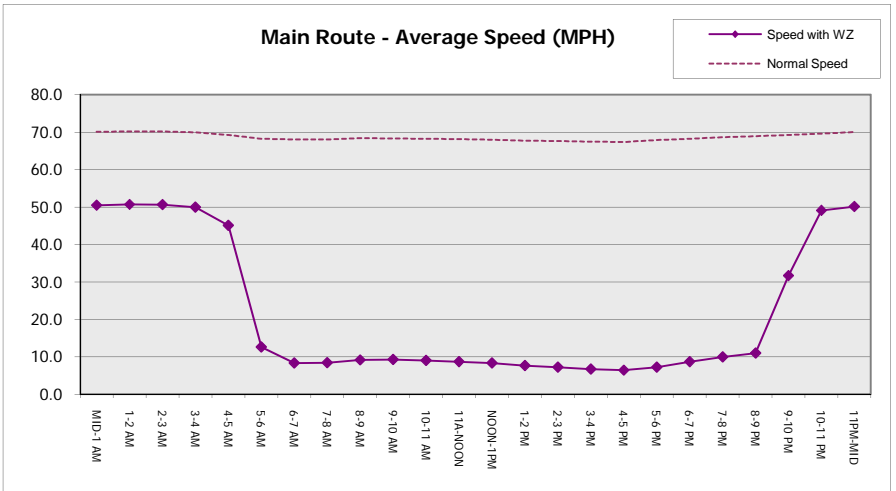
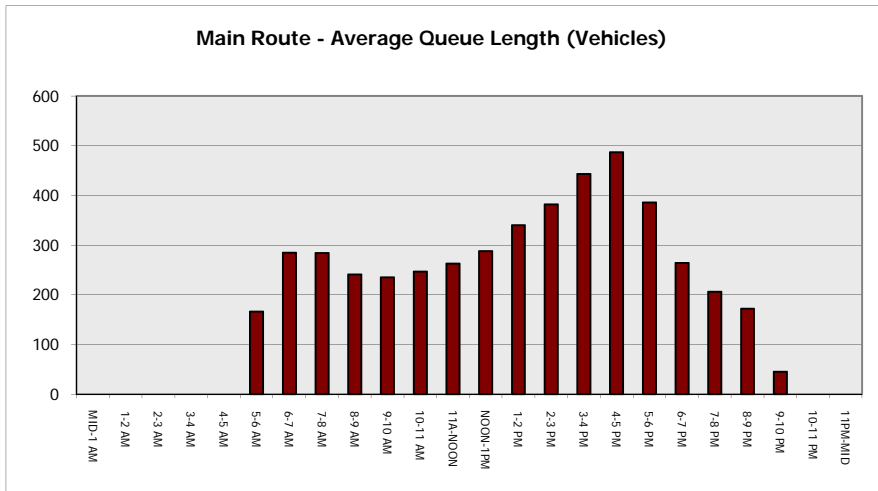
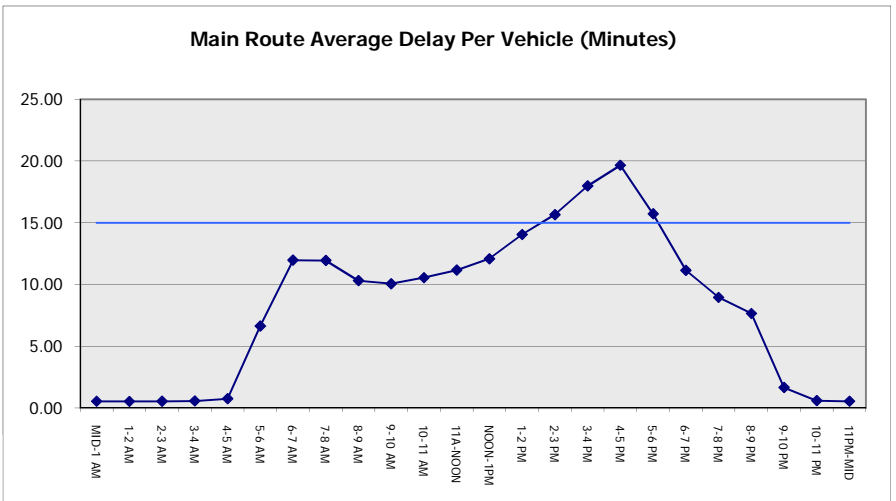
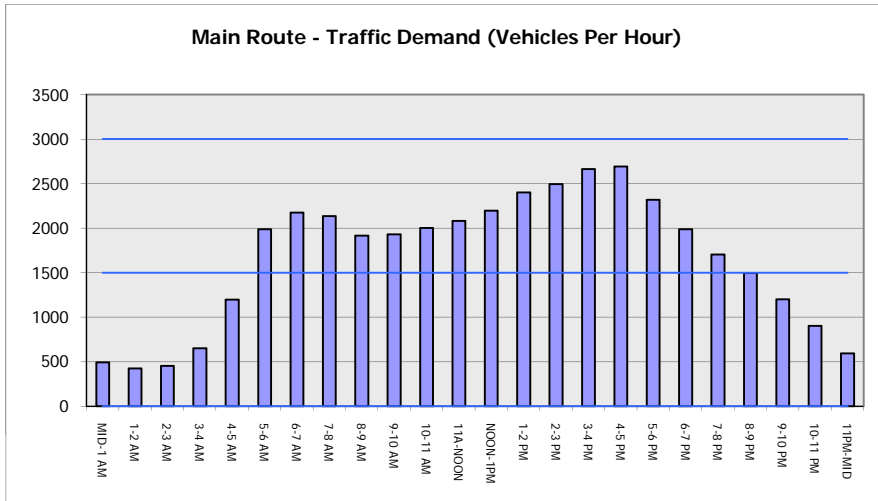
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$104,792
CONGESTED HOURS PER DAY*	4

*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
MON-THUR 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

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	455	0.0	53	0.0	1500	455	0	53	0.53	0	70.2	50.6	43.7	19.4	19.4
1-2 AM	325	0.0	39	0.0	1500	325	0	39	0.51	0	70.2	51.0	44.2	19.6	19.6
2-3 AM	284	0.0	33	0.0	1500	284	0	33	0.51	0	70.2	51.2	44.3	19.6	19.6
3-4 AM	327	0.0	39	0.0	1500	327	0	39	0.51	0	70.2	51.0	44.2	19.6	19.6
4-5 AM	491	0.0	58	0.0	1500	491	0	58	0.53	0	70.1	50.5	43.5	19.4	19.4
5-6 AM	855	0.0	100	0.0	1500	855	0	100	0.57	0	69.7	49.2	42.2	19.1	19.1
6-7 AM	1437	0.0	169	0.0	1499	1437	0	169	1.15	5	68.9	37.7	32.7	18.6	18.6
7-8 AM	1694	0.0	200	0.0	1500	1694	0	200	4.52	104	68.6	16.3	30.8	18.3	18.4
8-9 AM	1879	0.0	221	0.0	1499	1524	354	575	9.64	223	68.4	9.5	30.8	18.1	16.0
9-10 AM	2223	0.0	262	0.0	1500	1575	648	909	11.97	286	68.0	8.3	30.8	17.8	13.7
10-11 AM	2324	0.0	274	0.0	1499	1520	804	1078	13.55	326	67.9	7.8	30.8	17.7	12.5
11A-NOON	2311	0.0	272	0.0	1499	1494	817	1089	13.67	329	67.9	7.8	30.8	17.8	12.4
NOON-1PM	2338	0.0	275	0.0	1500	1512	825	1101	13.79	333	67.8	7.7	30.8	17.7	12.4
1-2 PM	2466	0.0	291	0.0	1500	1550	916	1207	15.04	366	67.7	7.3	30.8	17.6	11.6
2-3 PM	2681	0.0	316	0.0	1500	1602	1079	1395	17.84	440	67.4	6.7	30.8	17.4	10.4
3-4 PM	3014	0.0	355	0.0	1499	1508	1507	1861+	20.18	501	67.0	6.3	30.8	17.1	9.6
4-5 PM	2831	0.0	334	0.0	1500	1496	1335	1669+	20.01	496	67.2	6.3	30.8	17.3	9.6
5-6 PM	2374	0.0	279	0.0	1499	1338	1036	1315	16.61	409	67.8	7.0	30.8	17.7	10.9
6-7 PM	2067	0.0	244	0.0	1500	1414	653	897	11.88	283	68.2	8.4	30.8	17.9	13.7
7-8 PM	1708	0.0	201	0.0	1500	1438	269	470	9.07	209	68.6	9.9	30.8	18.3	16.7
8-9 PM	1338	0.0	158	0.0	1499	1332	6	164	5.05	117	69.1	15.0	32.0	18.6	18.6
9-10 PM	1146	0.0	135	0.0	1500	1146	0	135	0.67	0	69.3	46.7	39.9	18.8	18.8
10-11 PM	917	0.0	108	0.0	1500	917	0	108	0.58	0	69.6	49.0	42.0	19.0	19.0
11PM-MID	587	0.0	69	0.0	1500	587	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	0.0097
MAIN ROUTE WITH WORKS	0.0052
DIVERSION	0.0481

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$105,418
CONGESTED HOURS PER DAY*	5

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

