

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	OCTOBER
	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	472	0.0	55	0.0	1500	472	0	55	0.53	0	70.2	50.5	43.6	19.4	19.4
1-2 AM	439	0.0	51	0.0	1500	439	0	51	0.53	0	70.2	50.7	43.7	19.5	19.5
2-3 AM	470	0.0	55	0.0	1500	470	0	55	0.53	0	70.2	50.5	43.6	19.4	19.4
3-4 AM	627	0.0	74	0.0	1500	627	0	74	0.55	0	69.9	50.0	43.0	19.3	19.3
4-5 AM	1133	0.0	134	0.0	1499	1133	0	134	0.70	0	69.3	46.0	38.6	18.8	18.8
5-6 AM	1974	0.0	232	0.0	1499	1775	200	432	6.33	160	68.3	13.0	30.8	18.1	16.8
6-7 AM	2237	0.0	264	0.0	1499	1536	701	965	12.45	297	67.9	8.1	30.8	17.8	13.3
7-8 AM	2139	0.0	252	0.0	1499	1463	676	928	12.13	289	68.1	8.3	30.8	17.9	13.5
8-9 AM	1961	0.0	231	0.0	1499	1462	499	730	10.61	249	68.3	8.9	30.8	18.1	14.9
9-10 AM	1850	0.0	218	0.0	1500	1486	364	582	9.67	224	68.4	9.5	30.8	18.1	15.9
10-11 AM	1906	0.0	224	0.0	1500	1514	393	617	9.88	230	68.4	9.4	30.8	18.1	15.6
11A-NOON	1976	0.0	232	0.0	1500	1513	464	696	10.38	243	68.2	9.1	30.8	18.1	15.1
NOON-1PM	2017	0.0	238	0.0	1499	1511	505	743	10.69	251	68.2	8.9	30.8	18.0	14.8
1-2 PM	2216	0.0	261	0.0	1500	1547	669	930	12.14	289	68.0	8.3	30.8	17.8	13.5
2-3 PM	2252	0.0	265	0.0	1499	1509	744	1009	12.85	308	67.9	8.0	30.8	17.8	13.0
3-4 PM	2389	0.0	282	0.0	1500	1542	847	1129	14.10	341	67.8	7.6	30.8	17.6	12.2
4-5 PM	2405	0.0	284	0.0	1499	1497	907	1191	14.84	360	67.8	7.4	30.8	17.6	11.7
5-6 PM	2225	0.0	262	0.0	1499	1434	791	1052	13.30	320	68.0	7.9	30.8	17.8	12.7
6-7 PM	1853	0.0	218	0.0	1499	1419	433	651	10.11	237	68.4	9.3	30.8	18.1	15.5
7-8 PM	1524	0.0	179	0.0	1500	1445	78	257	7.91	178	68.9	10.7	30.8	18.4	18.1
8-9 PM	1267	0.0	150	0.0	1499	1267	0	150	2.26	61	69.2	26.3	34.5	18.7	18.7
9-10 PM	1079	0.0	127	0.0	1500	1079	0	127	0.60	0	69.4	48.5	41.4	18.9	18.9
10-11 PM	804	0.0	94	0.0	1500	804	0	94	0.57	0	69.7	49.4	42.4	19.1	19.1
11PM-MID	564	0.0	66	0.0	1500	564	0	66	0.54	0	70.0	50.2	43.3	19.4	19.4

----- 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	0.0096
MAIN ROUTE WITH WORKS	0.0056
DIVERSION	0.0415

PIA: Personal Injury Accidents

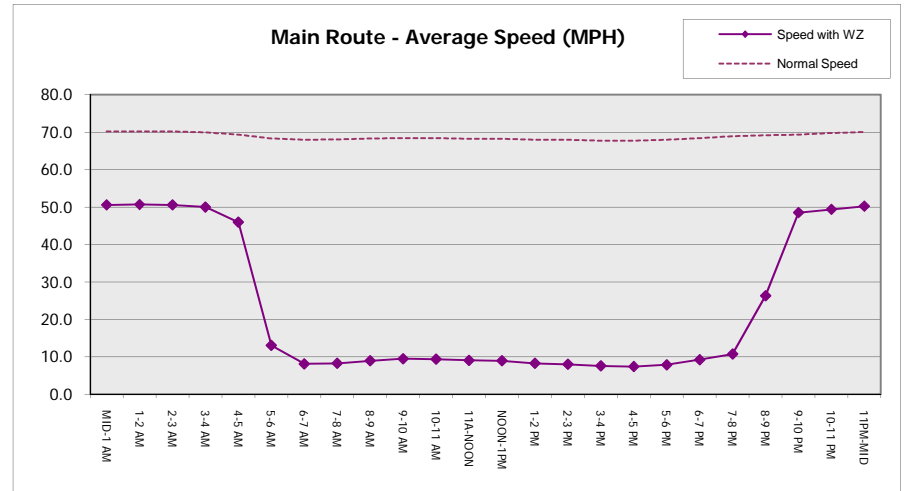
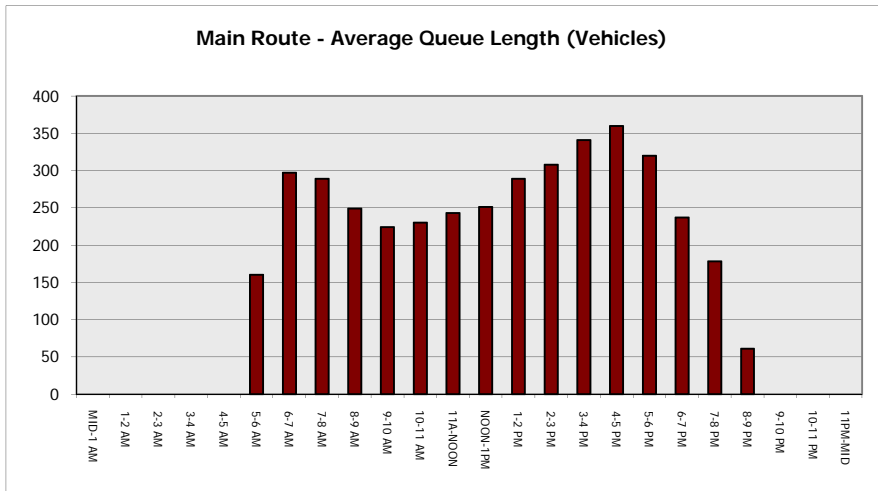
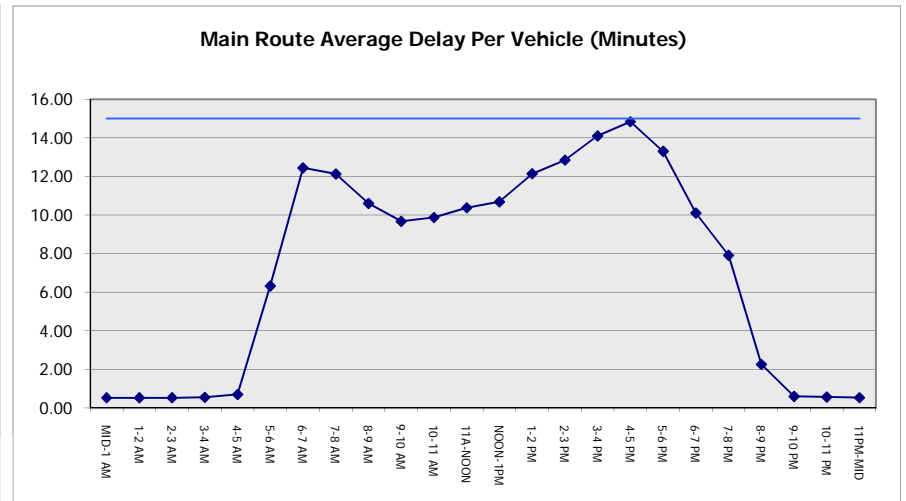
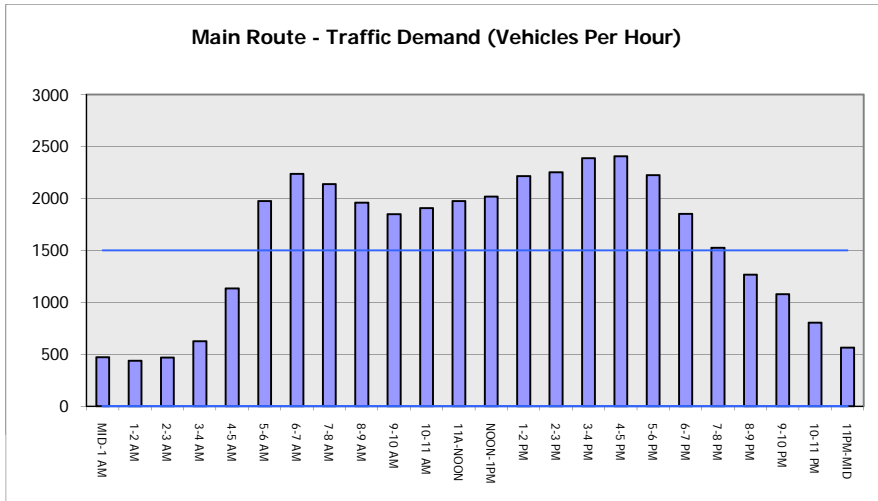
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$85,033
CONGESTED HOURS PER DAY*	0

*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**

OCTOBER
 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	OCTOBER
	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	483	0.0	57	0.0	1500	483	0	57	0.53	0	70.1	50.5	43.6	19.4	19.4
1-2 AM	326	0.0	39	0.0	1500	326	0	39	0.51	0	70.2	51.0	44.2	19.6	19.6
2-3 AM	292	0.0	35	0.0	1500	292	0	35	0.51	0	70.2	51.1	44.3	19.6	19.6
3-4 AM	332	0.0	39	0.0	1500	332	0	39	0.51	0	70.2	51.0	44.2	19.6	19.6
4-5 AM	471	0.0	55	0.0	1500	471	0	55	0.53	0	70.2	50.5	43.6	19.4	19.4
5-6 AM	808	0.0	95	0.0	1500	808	0	95	0.57	0	69.7	49.4	42.4	19.1	19.1
6-7 AM	1373	0.0	162	0.0	1499	1373	0	162	0.92	0	69.1	41.5	33.9	18.6	18.6
7-8 AM	1801	0.0	212	0.0	1499	1742	60	272	4.97	122	68.5	15.4	30.8	18.2	17.9
8-9 AM	1888	0.0	222	0.0	1499	1496	392	614	9.86	229	68.4	9.4	30.8	18.1	15.7
9-10 AM	2165	0.0	255	0.0	1500	1561	604	859	11.56	274	68.1	8.5	30.8	17.9	14.0
10-11 AM	2307	0.0	272	0.0	1499	1531	776	1048	13.25	318	67.9	7.9	30.8	17.8	12.7
11A-NOON	2263	0.0	267	0.0	1499	1483	780	1047	13.23	318	67.9	7.9	30.8	17.8	12.7
NOON-1PM	2239	0.0	264	0.0	1499	1499	740	1004	12.81	307	67.9	8.0	30.8	17.8	13.0
1-2 PM	2393	0.0	282	0.0	1500	1555	839	1120	14.01	339	67.8	7.6	30.8	17.6	12.2
2-3 PM	2626	0.0	309	0.0	1500	1598	1028	1337	16.88	415	67.4	6.9	30.8	17.5	10.7
3-4 PM	2911	0.0	343	0.0	1499	1530	1381	1725+	20.06	497	67.1	6.3	30.8	17.2	9.6
4-5 PM	2864	0.0	337	0.0	1500	1502	1361	1698+	20.04	497	67.2	6.3	30.8	17.2	9.6
5-6 PM	2347	0.0	276	0.0	1499	1327	1020	1296	16.34	403	67.8	7.0	30.8	17.7	11.1
6-7 PM	2019	0.0	238	0.0	1500	1412	607	844	11.46	272	68.2	8.6	30.8	18.0	14.1
7-8 PM	1545	0.0	182	0.0	1500	1421	124	306	8.15	185	68.8	10.6	30.8	18.4	17.8
8-9 PM	1283	0.0	151	0.0	1499	1283	0	151	2.50	67	69.1	24.7	33.9	18.7	18.7
9-10 PM	1133	0.0	134	0.0	1500	1133	0	134	0.62	0	69.3	47.9	40.7	18.8	18.8
10-11 PM	937	0.0	110	0.0	1500	937	0	110	0.58	0	69.6	48.9	41.9	19.0	19.0
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	0.0095
MAIN ROUTE WITH WORKS	0.0052
DIVERSION	0.0461

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$99,152
CONGESTED HOURS PER DAY*	4

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

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

