

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	AUGUST
	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	710	0.0	84	0.0	1500	710	0	84	0.56	0	69.9	49.7	42.7	19.2	19.2
1-2 AM	509	0.0	60	0.0	1500	509	0	60	0.53	0	70.1	50.4	43.5	19.4	19.4
2-3 AM	421	0.0	49	0.0	1500	421	0	49	0.52	0	70.2	50.7	43.8	19.5	19.5
3-4 AM	451	0.0	53	0.0	1500	451	0	53	0.53	0	70.2	50.6	43.7	19.4	19.4
4-5 AM	559	0.0	66	0.0	1500	559	0	66	0.54	0	70.0	50.2	43.3	19.4	19.4
5-6 AM	669	0.0	78	0.0	1500	669	0	78	0.55	0	69.9	49.9	42.8	19.3	19.3
6-7 AM	763	0.0	90	0.0	1500	763	0	90	0.56	0	69.8	49.6	42.5	19.2	19.2
7-8 AM	1189	0.0	140	0.0	1499	1189	0	140	0.71	0	69.2	45.8	38.5	18.8	18.8
8-9 AM	1623	0.0	192	0.0	1499	1623	0	192	1.90	31	68.7	29.1	30.8	18.4	18.4
9-10 AM	2218	0.0	262	0.0	1499	1712	507	768	10.78	261	68.0	8.9	30.8	17.8	14.7
10-11 AM	2864	0.0	337	0.0	1500	1650	1214	1551	18.36	455	67.2	6.6	30.8	17.2	10.2
11A-NOON	3000	0.0	354	0.0	1500	1512	1488	1842+	20.16	500	67.0	6.3	30.8	17.1	9.6
NOON-1PM	2907	0.0	342	0.0	1500	1500	1407	1750+	20.08	498	67.1	6.3	30.8	17.2	9.6
1-2 PM	3107	0.0	366	0.0	1499	1505	1602	1968+	20.28	503	66.9	6.3	30.8	17.0	9.5
2-3 PM	3013	0.0	355	0.0	1500	1498	1515	1870+	20.19	501	67.0	6.3	30.8	17.1	9.6
3-4 PM	3010	0.0	355	0.0	1499	1500	1510	1865+	20.18	501	67.0	6.3	30.8	17.1	9.6
4-5 PM	2848	0.0	336	0.0	1500	1496	1352	1688+	20.03	496	67.2	6.3	30.8	17.2	9.6
5-6 PM	2546	0.0	299	0.0	1499	1411	1135	1434	18.56	458	67.6	6.6	30.8	17.5	10.1
6-7 PM	2240	0.0	264	0.0	1500	1384	856	1120	14.04	341	67.9	7.6	30.8	17.8	12.2
7-8 PM	1892	0.0	223	0.0	1500	1426	466	689	10.35	243	68.4	9.1	30.8	18.1	15.2
8-9 PM	1657	0.0	195	0.0	1500	1469	188	383	8.63	197	68.7	10.2	30.8	18.3	17.3
9-10 PM	1487	0.0	175	0.0	1500	1452	36	210	7.57	169	68.9	11.1	30.8	18.5	18.4
10-11 PM	1113	0.0	131	0.0	1500	1113	0	131	1.34	32	69.4	35.2	38.3	18.8	18.8
11PM-MID	725	0.0	86	0.0	1500	725	0	86	0.56	0	69.9	49.7	42.7	19.2	19.2

+ 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	0.0106
MAIN ROUTE WITH WORKS	0.0053
DIVERSION	0.0593

PIA: Personal Injury Accidents

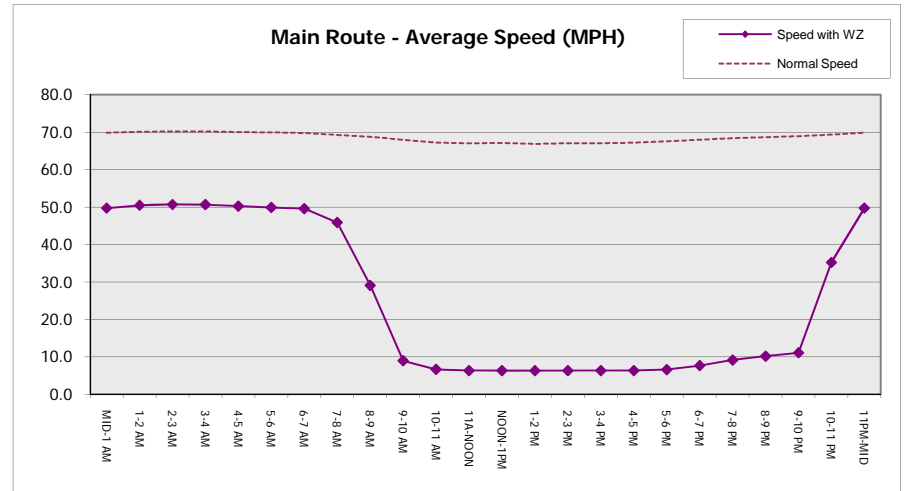
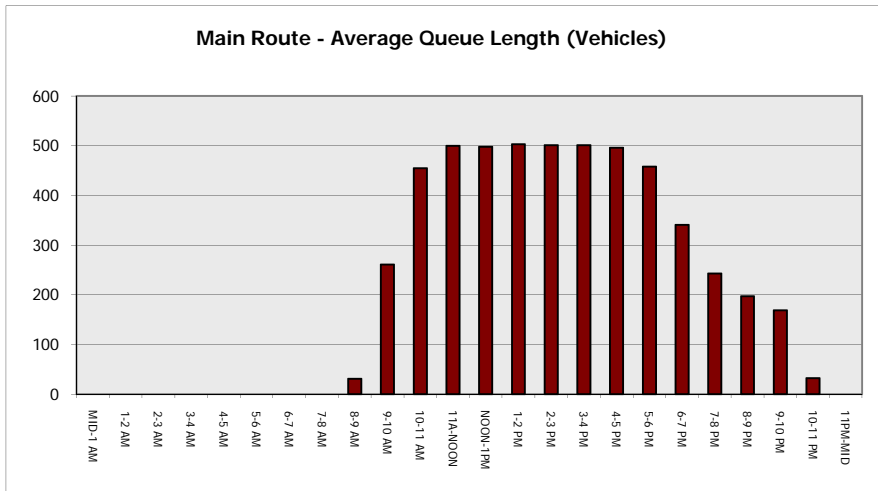
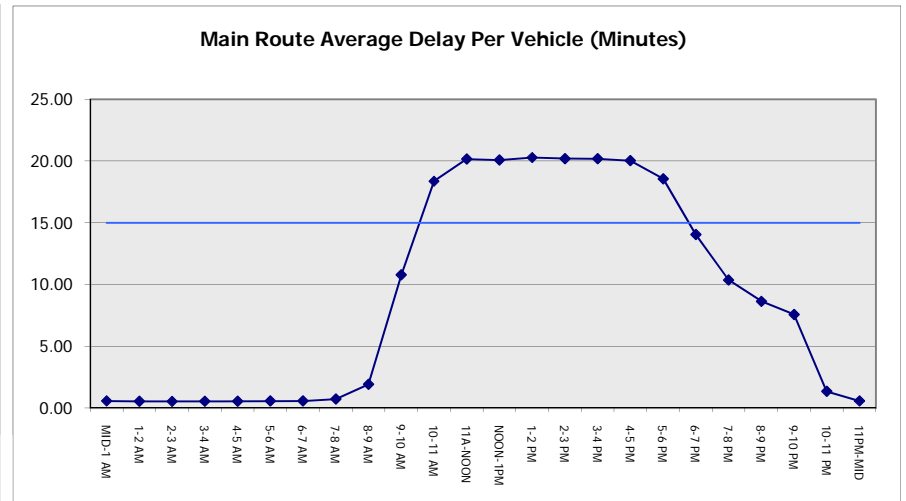
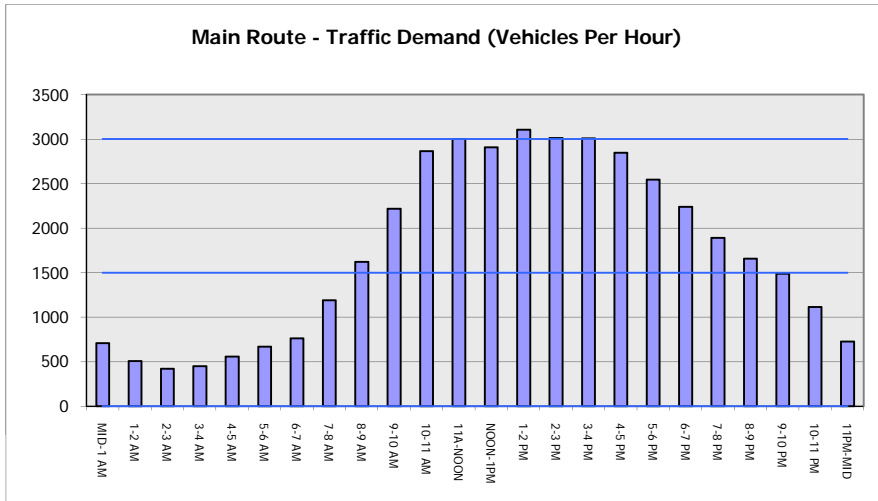
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$172,294
CONGESTED HOURS PER DAY*	8

*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**

AUGUST
 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	AUGUST
	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			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	731	0.0	86	0.0	1500	731	0	86	0.56	0	69.8	49.6	42.7	19.2	19.2
1-2 AM	433	0.0	51	0.0	1500	433	0	51	0.53	0	70.2	50.7	43.8	19.5	19.5
2-3 AM	358	0.0	42	0.0	1500	358	0	42	0.52	0	70.2	50.9	44.0	19.6	19.6
3-4 AM	324	0.0	39	0.0	1500	324	0	39	0.51	0	70.2	51.0	44.2	19.6	19.6
4-5 AM	405	0.0	48	0.0	1500	405	0	48	0.52	0	70.2	50.7	43.9	19.5	19.5
5-6 AM	606	0.0	71	0.0	1500	606	0	71	0.54	0	70.0	50.1	43.1	19.3	19.3
6-7 AM	1115	0.0	131	0.0	1499	1115	0	131	0.69	0	69.4	46.3	39.0	18.8	18.8
7-8 AM	1886	0.0	222	0.0	1499	1787	99	321	4.63	122	68.4	16.3	30.8	18.1	17.6
8-9 AM	2692	0.0	317	0.0	1499	1731	961	1278	16.10	399	67.4	7.1	30.8	17.4	11.2
9-10 AM	3317	0.0	390	0.0	1499	1495	1822	2212+	20.31	504	66.6	6.3	30.8	16.8	9.5
10-11 AM	3747	0.0	442	0.0	1500	1500	2247	2689+	20.28	505	65.3	6.3	30.8	16.4	9.5
11A-NOON	3560	0.0	420	0.0	1499	1500	2060	2479+	20.31	505	66.3	6.3	30.8	16.6	9.5
NOON-1PM	3274	0.0	385	0.0	1500	1498	1776	2161+	20.32	504	66.7	6.3	30.8	16.8	9.5
1-2 PM	2930	0.0	345	0.0	1499	1490	1440	1786+	20.12	499	67.1	6.3	30.8	17.1	9.6
2-3 PM	2757	0.0	324	0.0	1499	1495	1262	1586	19.94	494	67.3	6.3	30.8	17.3	9.6
3-4 PM	2663	0.0	314	0.0	1499	1471	1192	1506	19.62	486	67.4	6.4	30.8	17.4	9.7
4-5 PM	2340	0.0	275	0.0	1499	1364	976	1251	15.67	384	67.8	7.2	30.8	17.7	11.4
5-6 PM	2234	0.0	263	0.0	1500	1464	770	1032	13.09	314	67.9	7.9	30.8	17.8	12.8
6-7 PM	1912	0.0	225	0.0	1499	1427	485	710	10.49	246	68.4	9.0	30.8	18.1	15.0
7-8 PM	1664	0.0	196	0.0	1500	1465	198	394	8.68	198	68.7	10.1	30.8	18.3	17.2
8-9 PM	1466	0.0	173	0.0	1500	1445	20	193	7.41	165	68.9	11.2	30.8	18.5	18.6
9-10 PM	1236	0.0	145	0.0	1499	1236	0	145	1.68	41	69.2	31.2	35.9	18.8	18.8
10-11 PM	980	0.0	115	0.0	1500	980	0	115	0.58	0	69.5	48.8	41.7	18.9	18.9
11PM-MID	732	0.0	86	0.0	1500	732	0	86	0.56	0	69.8	49.6	42.7	19.2	19.2

+ 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	0.0110
MAIN ROUTE WITH WORKS	0.0053
DIVERSION	0.0666

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$186,892
CONGESTED HOURS PER DAY*	9

*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**

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

