

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

FRIDAY 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	639	0.0	75	0.0	1500	639	0	75	0.55	0	69.9	49.9	43.0	19.3	19.3
1-2 AM	532	0.0	63	0.0	1500	532	0	63	0.54	0	70.0	50.3	43.4	19.4	19.4
2-3 AM	554	0.0	65	0.0	1500	554	0	65	0.54	0	70.0	50.2	43.3	19.4	19.4
3-4 AM	643	0.0	75	0.0	1500	643	0	75	0.55	0	69.9	49.9	43.0	19.3	19.3
4-5 AM	1072	0.0	127	0.0	1499	1072	0	127	0.64	0	69.4	47.3	40.1	18.9	18.9
5-6 AM	1706	0.0	201	0.0	1499	1706	0	201	3.18	74	68.6	20.9	30.8	18.3	18.3
6-7 AM	1991	0.0	234	0.0	1499	1553	438	672	10.23	239	68.2	9.2	30.8	18.0	15.3
7-8 AM	2127	0.0	250	0.0	1499	1521	606	856	11.53	273	68.1	8.5	30.8	17.9	14.0
8-9 AM	2072	0.0	244	0.0	1499	1489	584	827	11.31	267	68.2	8.6	30.8	17.9	14.2
9-10 AM	2248	0.0	265	0.0	1500	1556	692	957	12.38	296	67.9	8.2	30.8	17.8	13.4
10-11 AM	2619	0.0	309	0.0	1500	1637	982	1291	16.21	398	67.5	7.1	30.8	17.5	11.1
11A-NOON	2882	0.0	339	0.0	1499	1533	1350	1689+	19.98	495	67.1	6.3	30.8	17.2	9.6
NOON-1PM	2996	0.0	353	0.0	1500	1507	1489	1842+	20.16	500	67.0	6.3	30.8	17.1	9.6
1-2 PM	3470	0.0	408	0.0	1499	1500	1970	2378+	20.32	505	66.4	6.3	30.8	16.6	9.5
2-3 PM	3691	0.0	434	0.0	1500	1500	2191	2626+	20.29	505	65.6	6.3	30.8	16.5	9.5
3-4 PM	3698	0.0	435	0.0	1500	1500	2198	2633+	20.29	505	65.6	6.3	30.8	16.5	9.5
4-5 PM	3542	0.0	418	0.0	1500	1500	2042	2460+	20.31	505	66.3	6.3	30.8	16.6	9.5
5-6 PM	3398	0.0	400	0.0	1500	1500	1898	2298+	20.32	505	66.5	6.3	30.8	16.7	9.5
6-7 PM	3131	0.0	368	0.0	1500	1501	1631	1999+	20.27	503	66.8	6.3	30.8	17.0	9.5
7-8 PM	2620	0.0	309	0.0	1500	1427	1193	1502	19.24	476	67.5	6.5	30.8	17.5	9.9
8-9 PM	2195	0.0	258	0.0	1499	1354	841	1099	13.83	336	68.0	7.7	30.8	17.8	12.4
9-10 PM	2059	0.0	243	0.0	1500	1465	594	837	11.39	270	68.2	8.6	30.8	17.9	14.2
10-11 PM	1545	0.0	182	0.0	1499	1393	152	334	8.13	186	68.8	10.6	30.8	18.4	17.6
11PM-MID	1022	0.0	120	0.0	1500	1022	0	120	1.14	26	69.5	38.1	39.9	18.9	18.9

+ 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	0.0133
MAIN ROUTE WITH WORKS	0.0059
DIVERSION	0.0882

PIA: Personal Injury Accidents

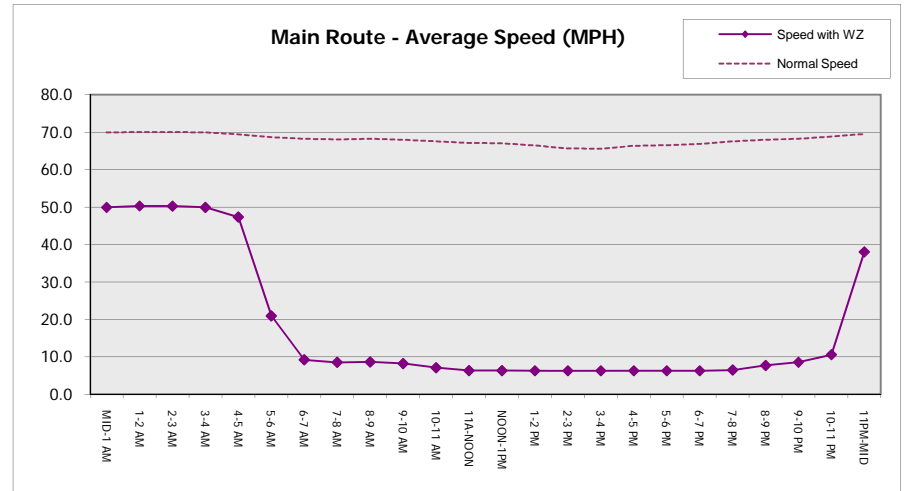
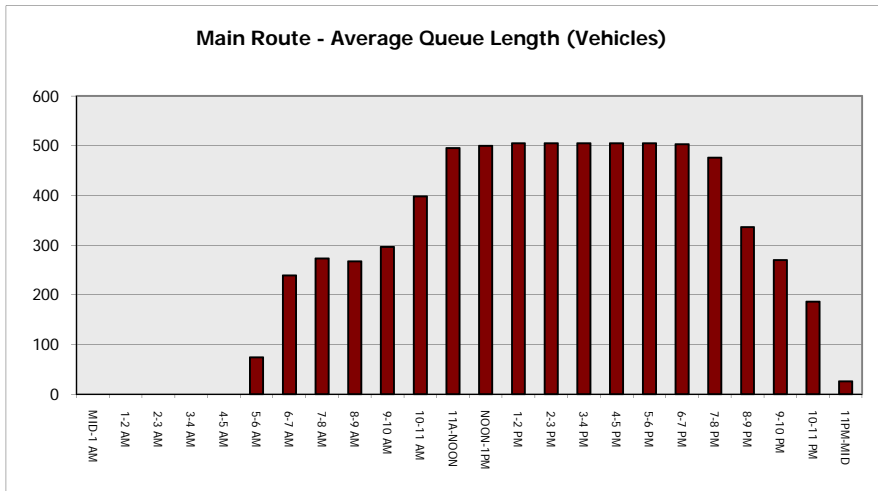
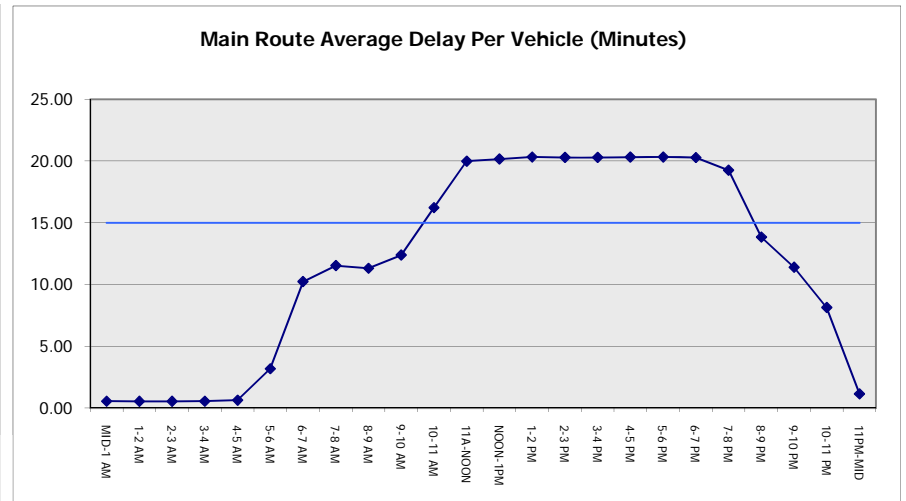
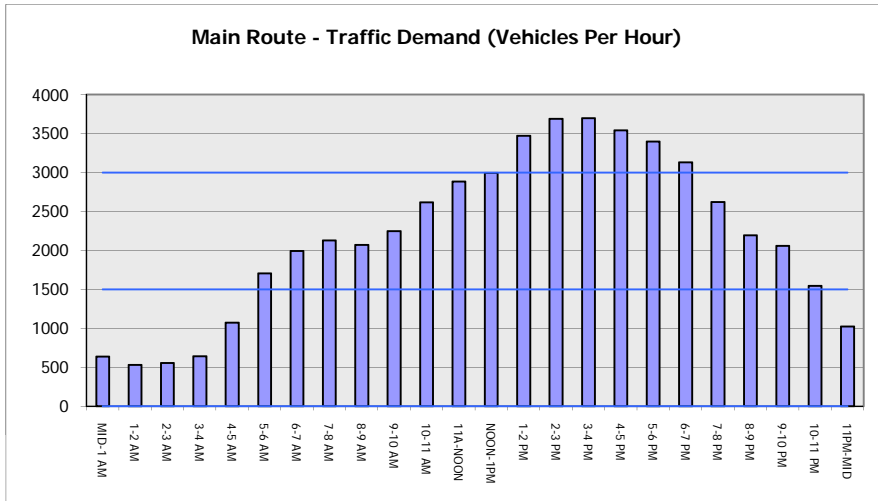
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$202,604
CONGESTED HOURS PER DAY*	10

*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**

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY 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

FRIDAY 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	720	0.0	85	0.0	1500	720	0	85	0.56	0	69.9	49.7	42.7	19.2	19.2
1-2 AM	467	0.0	55	0.0	1500	467	0	55	0.53	0	70.2	50.5	43.7	19.4	19.4
2-3 AM	411	0.0	48	0.0	1500	411	0	48	0.52	0	70.2	50.7	43.8	19.5	19.5
3-4 AM	409	0.0	48	0.0	1500	409	0	48	0.52	0	70.2	50.7	43.8	19.5	19.5
4-5 AM	516	0.0	61	0.0	1500	516	0	61	0.53	0	70.1	50.4	43.5	19.4	19.4
5-6 AM	869	0.0	103	0.0	1500	869	0	103	0.57	0	69.7	49.2	42.2	19.1	19.1
6-7 AM	1450	0.0	171	0.0	1499	1450	0	171	1.33	13	68.9	35.3	33.2	18.5	18.5
7-8 AM	2128	0.0	250	0.0	1500	1758	370	620	9.62	238	68.1	9.7	30.8	17.9	15.7
8-9 AM	2536	0.0	298	0.0	1500	1630	907	1205	15.05	368	67.6	7.3	30.8	17.5	11.7
9-10 AM	3242	0.0	382	0.0	1499	1524	1718	2100+	20.19	501	66.7	6.3	30.8	16.9	9.6
10-11 AM	3986	0.0	470	0.0	1500	1500	2486	2956+	20.22	505	63.7	6.3	30.8	16.1	9.5
11A-NOON	4044	0.0	476	0.0	1500	1500	2544	3020+	20.21	505	63.2	6.3	30.8	16.1	9.5
NOON-1PM	4038	0.0	475	0.0	1500	1500	2538	3013+	20.21	505	63.3	6.3	30.8	16.1	9.5
1-2 PM	4670	0.0	550	0.0	1500	1500	3170	3721+	20.05	505	58.9	6.3	30.8	15.5	9.5
2-3 PM	4846	0.0	570	0.0	1499	1500	3346	3917+	20.00	505	57.8	6.3	30.8	15.4	9.5
3-4 PM	4695	0.0	553	0.0	1500	1500	3195	3748+	20.04	505	58.8	6.3	30.8	15.5	9.5
4-5 PM	4759	0.0	560	0.0	1499	1500	3259	3819+	20.02	505	58.4	6.3	30.8	15.5	9.5
5-6 PM	4566	0.0	538	0.0	1500	1500	3066	3604+	20.07	505	59.7	6.3	30.8	15.6	9.5
6-7 PM	4359	0.0	513	0.0	1500	1500	2858	3371+	20.13	505	61.1	6.3	30.8	15.8	9.5
7-8 PM	3132	0.0	368	0.0	1500	1519	1613	1981+	20.16	500	66.8	6.3	30.8	17.0	9.6
8-9 PM	2207	0.0	260	0.0	1500	1279	928	1188	14.95	369	68.0	7.4	30.8	17.8	11.8
9-10 PM	1634	0.0	193	0.0	1500	1412	221	414	8.80	202	68.7	10.1	30.8	18.4	17.1
10-11 PM	1394	0.0	164	0.0	1499	1393	0	165	6.28	140	69.0	12.7	31.2	18.6	18.7
11PM-MID	1051	0.0	123	0.0	1500	1051	0	124	0.76	6	69.4	44.7	40.9	18.9	18.9

+ 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	0.0158
MAIN ROUTE WITH WORKS	0.0056
DIVERSION	0.1290

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$263,964
CONGESTED HOURS PER DAY*	12

*Delays Exceeding 15 Minutes

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

AUGUST
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

