

IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY) CONTINUOUS (24 HOUR) 1 LANE CLOSURE DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD	AUGUST
	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	570	0.0	67	0.0	3000	570	0	67	0.36	0	70.0	55.5	49.7	19.4	19.4
1-2 AM	496	0.0	59	0.0	3000	496	0	59	0.36	0	70.1	55.5	49.7	19.4	19.4
2-3 AM	500	0.0	59	0.0	3000	500	0	59	0.36	0	70.1	55.5	49.7	19.4	19.4
3-4 AM	698	0.0	83	0.0	3000	698	0	83	0.36	0	69.9	55.5	49.7	19.3	19.3
4-5 AM	1280	0.0	151	0.0	3000	1280	0	151	0.35	0	69.1	55.3	49.7	18.7	18.7
5-6 AM	1999	0.0	235	0.0	3000	1999	0	235	0.33	0	68.2	55.1	49.7	18.0	18.0
6-7 AM	2232	0.0	263	0.0	3000	2232	0	263	0.33	0	67.9	55.0	49.7	17.8	17.8
7-8 AM	2170	0.0	255	0.0	3000	2170	0	255	0.33	0	68.1	55.1	49.7	17.9	17.9
8-9 AM	2095	0.0	247	0.0	3000	2095	0	247	0.33	0	68.1	55.1	49.7	17.9	17.9
9-10 AM	2157	0.0	254	0.0	3000	2157	0	254	0.33	0	68.1	55.1	49.7	17.9	17.9
10-11 AM	2269	0.0	267	0.0	3000	2269	0	267	0.33	0	67.9	55.0	49.7	17.8	17.8
11A-NOON	2356	0.0	277	0.0	3000	2356	0	277	0.33	0	67.8	55.0	49.7	17.7	17.7
NOON-1PM	2420	0.0	285	0.0	3000	2420	0	285	0.35	0	67.8	54.3	48.8	17.6	17.6
1-2 PM	2628	0.0	310	0.0	3000	2628	0	310	0.49	0	67.4	50.2	43.9	17.5	17.5
2-3 PM	2694	0.0	317	0.0	3000	2694	0	317	0.53	0	67.4	49.1	42.5	17.4	17.4
3-4 PM	2786	0.0	328	0.0	3000	2786	0	328	0.59	0	67.3	47.6	40.8	17.3	17.3
4-5 PM	2831	0.0	333	0.0	3000	2831	0	333	0.62	0	67.2	46.9	40.0	17.3	17.3
5-6 PM	2580	0.0	303	0.0	3000	2580	0	303	0.45	0	67.5	51.2	45.0	17.5	17.5
6-7 PM	2202	0.0	260	0.0	3000	2202	0	260	0.33	0	68.0	55.0	49.7	17.8	17.8
7-8 PM	1869	0.0	220	0.0	3000	1869	0	220	0.34	0	68.4	55.1	49.7	18.1	18.1
8-9 PM	1623	0.0	192	0.0	3000	1623	0	192	0.34	0	68.7	55.2	49.7	18.4	18.4
9-10 PM	1338	0.0	158	0.0	3000	1338	0	158	0.35	0	69.1	55.3	49.7	18.6	18.6
10-11 PM	1003	0.0	118	0.0	3000	1003	0	118	0.35	0	69.5	55.4	49.7	18.9	18.9
11PM-MID	678	0.0	80	0.0	3000	678	0	80	0.36	0	69.9	55.5	49.7	19.3	19.3

----- 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	0.0082
DIVERSION	0.0167

PIA: Personal Injury Accidents

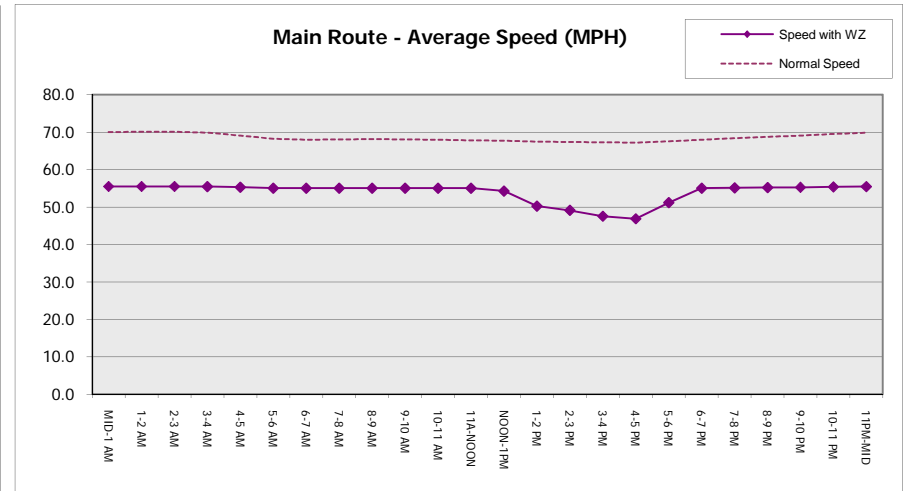
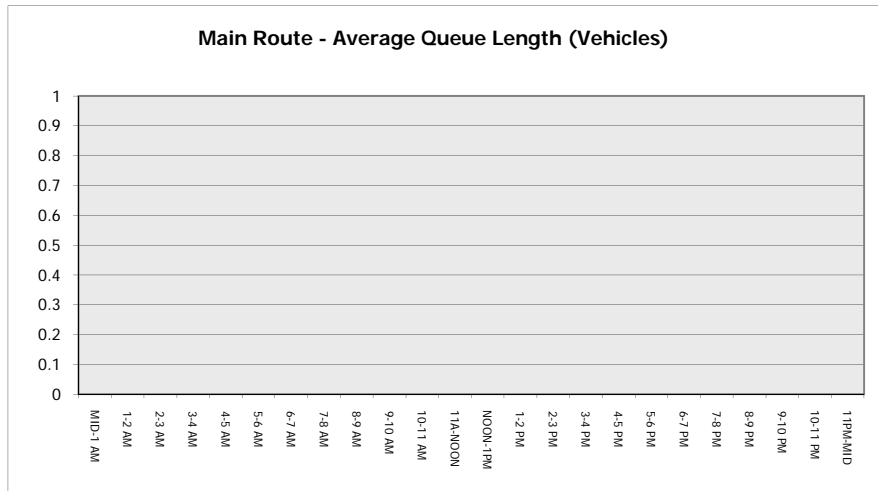
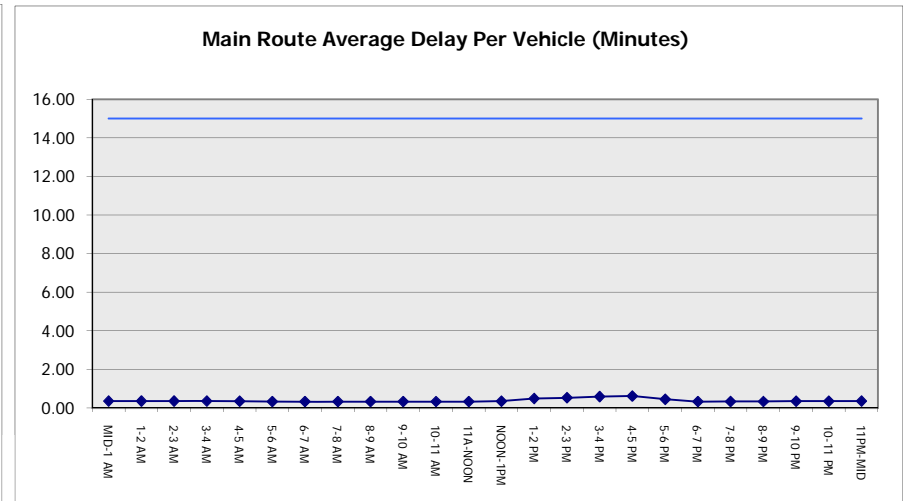
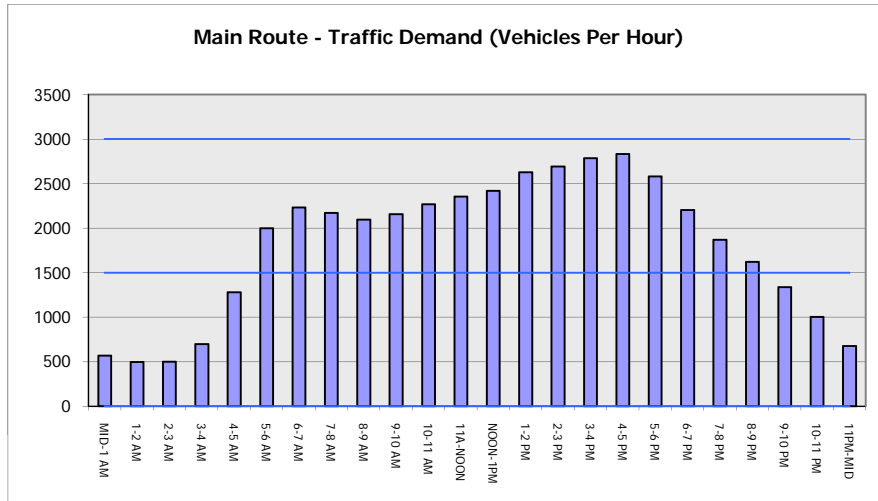
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,679
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

**IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)
 CONTINUOUS (24 HOUR) 1 LANE CLOSURE
 DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD**

AUGUST
 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) 1 LANE CLOSURE DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD	AUGUST
	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			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	529	0.0	62	0.0	3000	529	0	62	0.36	0	70.0	55.5	49.7	19.4	19.4
1-2 AM	354	0.0	42	0.0	3000	354	0	42	0.36	0	70.2	55.6	49.7	19.6	19.6
2-3 AM	311	0.0	37	0.0	3000	311	0	37	0.36	0	70.2	55.6	49.7	19.6	19.6
3-4 AM	358	0.0	42	0.0	3000	358	0	42	0.36	0	70.2	55.6	49.7	19.6	19.6
4-5 AM	517	0.0	61	0.0	3000	517	0	61	0.36	0	70.1	55.5	49.7	19.4	19.4
5-6 AM	876	0.0	104	0.0	3000	876	0	104	0.35	0	69.6	55.5	49.7	19.1	19.1
6-7 AM	1536	0.0	181	0.0	3000	1536	0	181	0.34	0	68.8	55.3	49.7	18.4	18.4
7-8 AM	1925	0.0	227	0.0	3000	1925	0	227	0.34	0	68.4	55.1	49.7	18.1	18.1
8-9 AM	2126	0.0	250	0.0	3000	2126	0	250	0.33	0	68.1	55.1	49.7	17.9	17.9
9-10 AM	2581	0.0	303	0.0	3000	2581	0	303	0.45	0	67.5	51.1	45.0	17.5	17.5
10-11 AM	2790	0.0	329	0.0	3000	2790	0	329	0.59	0	67.3	47.5	40.7	17.3	17.3
11A-NOON	2724	0.0	321	0.0	3000	2724	0	321	0.55	0	67.4	48.6	42.0	17.3	17.3
NOON-1PM	2670	0.0	314	0.0	3000	2670	0	314	0.51	0	67.4	49.5	43.0	17.4	17.4
1-2 PM	2775	0.0	326	0.0	2999	2775	0	326	0.58	0	67.3	47.8	41.0	17.3	17.3
2-3 PM	2974	0.0	351	0.0	2999	2974	0	351	0.74	2	67.1	44.1	37.8	17.1	17.1
3-4 PM	3122	0.0	367	0.0	3000	3122	0	367	1.84	66	66.9	29.2	37.3	17.0	17.0
4-5 PM	3070	0.0	361	0.0	3000	3070	0	361	3.99	180	66.9	18.4	37.3	17.0	17.3
5-6 PM	2634	0.0	310	0.0	2999	2634	0	310	1.34	71	67.4	34.8	42.0	17.5	17.5
6-7 PM	2294	0.0	270	0.0	3000	2294	0	270	0.33	0	67.9	55.0	49.7	17.8	17.8
7-8 PM	1842	0.0	217	0.0	3000	1842	0	217	0.34	0	68.4	55.1	49.7	18.2	18.2
8-9 PM	1561	0.0	184	0.0	3000	1561	0	184	0.34	0	68.8	55.2	49.7	18.4	18.4
9-10 PM	1298	0.0	153	0.0	3000	1298	0	153	0.35	0	69.1	55.3	49.7	18.7	18.7
10-11 PM	1093	0.0	129	0.0	3000	1093	0	129	0.35	0	69.4	55.4	49.7	18.9	18.9
11PM-MID	720	0.0	85	0.0	3000	720	0	85	0.36	0	69.9	55.5	49.7	19.2	19.2

----- 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	0.0108
MAIN ROUTE WITH WORKS	0.0080
DIVERSION	0.0164

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$7,808
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) 1 LANE CLOSURE
 DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD**

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

