

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	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	373	0.0	44	0.0	3000	373	0	44	0.36	0	70.2	55.6	49.7	19.5	19.5
1-2 AM	309	0.0	37	0.0	3000	309	0	37	0.36	0	70.2	55.6	49.7	19.6	19.6
2-3 AM	223	0.0	26	0.0	3000	223	0	26	0.36	0	70.2	55.6	49.7	19.7	19.7
3-4 AM	224	0.0	26	0.0	3000	224	0	26	0.36	0	70.2	55.6	49.7	19.7	19.7
4-5 AM	247	0.0	29	0.0	3000	247	0	29	0.36	0	70.2	55.6	49.7	19.6	19.6
5-6 AM	325	0.0	39	0.0	3000	325	0	39	0.36	0	70.2	55.6	49.7	19.6	19.6
6-7 AM	464	0.0	54	0.0	3000	464	0	54	0.36	0	70.2	55.5	49.7	19.4	19.4
7-8 AM	719	0.0	85	0.0	3000	719	0	85	0.36	0	69.9	55.5	49.7	19.2	19.2
8-9 AM	1115	0.0	131	0.0	3000	1115	0	131	0.35	0	69.4	55.3	49.7	18.8	18.8
9-10 AM	1562	0.0	184	0.0	3000	1562	0	184	0.34	0	68.8	55.2	49.7	18.4	18.4
10-11 AM	2110	0.0	248	0.0	3000	2110	0	248	0.33	0	68.1	55.1	49.7	17.9	17.9
11A-NOON	2614	0.0	308	0.0	3000	2614	0	308	0.48	0	67.5	50.5	44.2	17.5	17.5
NOON-1PM	2826	0.0	333	0.0	2999	2826	0	333	0.61	0	67.2	47.0	40.1	17.3	17.3
1-2 PM	3134	0.0	369	0.0	2999	3134	0	369	1.37	42	66.8	34.2	37.3	17.0	17.0
2-3 PM	3598	0.0	424	0.0	3000	3497	101	525	7.29	387	66.3	13.8	37.3	16.5	17.5
3-4 PM	3979	0.0	469	0.0	2999	3285	693	1162	14.84	788	63.7	10.0	37.3	16.2	14.2
4-5 PM	4085	0.0	481	0.0	2999	3147	938	1419	18.65	998	63.0	9.3	37.3	16.1	12.6
5-6 PM	4004	0.0	472	0.0	2999	2989	1015	1487	20.01	1071	63.5	9.1	37.3	16.1	12.2
6-7 PM	3631	0.0	428	0.0	2999	2726	904	1332	17.34	919	66.1	9.5	37.3	16.5	13.1
7-8 PM	3166	0.0	372	0.0	2999	2706	460	833	11.72	610	66.8	11.0	37.3	17.0	16.2
8-9 PM	2756	0.0	324	0.0	3000	2737	19	343	7.47	377	67.3	13.4	37.3	17.3	18.9
9-10 PM	2128	0.0	250	0.0	3000	2128	0	250	0.66	33	68.1	46.4	49.1	17.9	17.9
10-11 PM	1584	0.0	186	0.0	3000	1584	0	186	0.34	0	68.7	55.2	49.7	18.4	18.4
11PM-MID	904	0.0	107	0.0	3000	904	0	107	0.35	0	69.6	55.4	49.7	19.0	19.0

----- 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	0.0117
MAIN ROUTE WITH WORKS	0.0079
DIVERSION	0.0312

PIA: Personal Injury Accidents

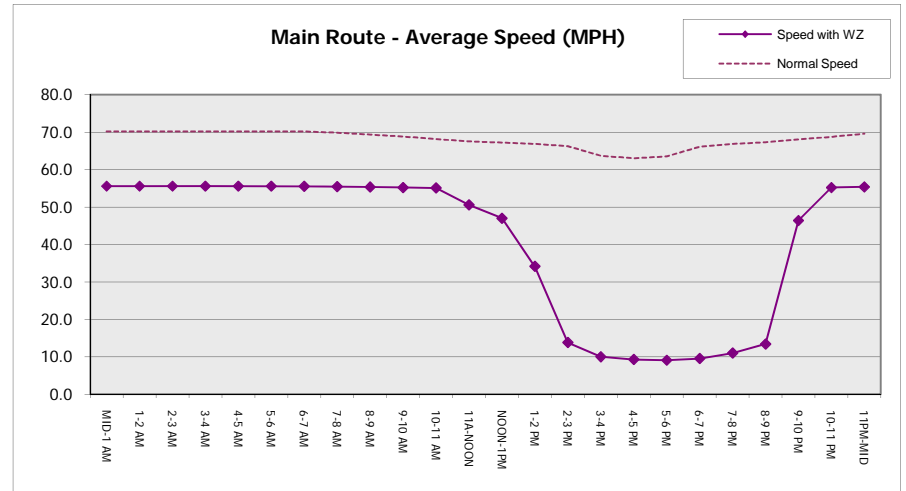
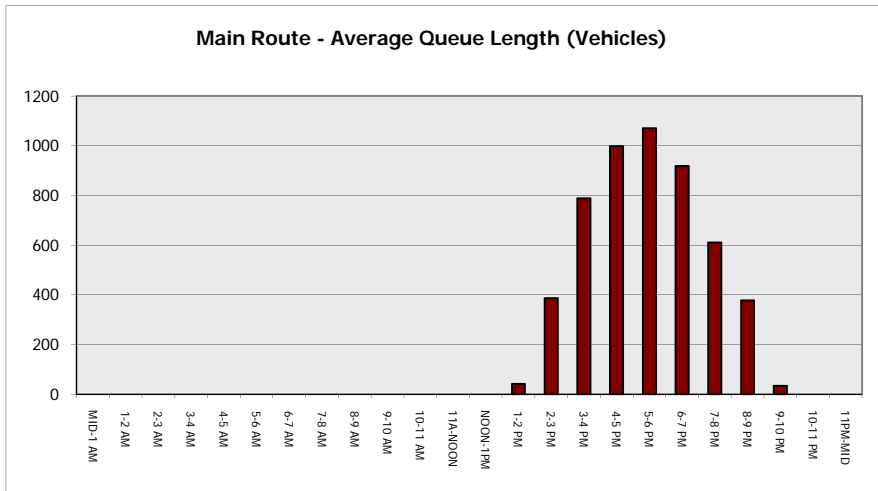
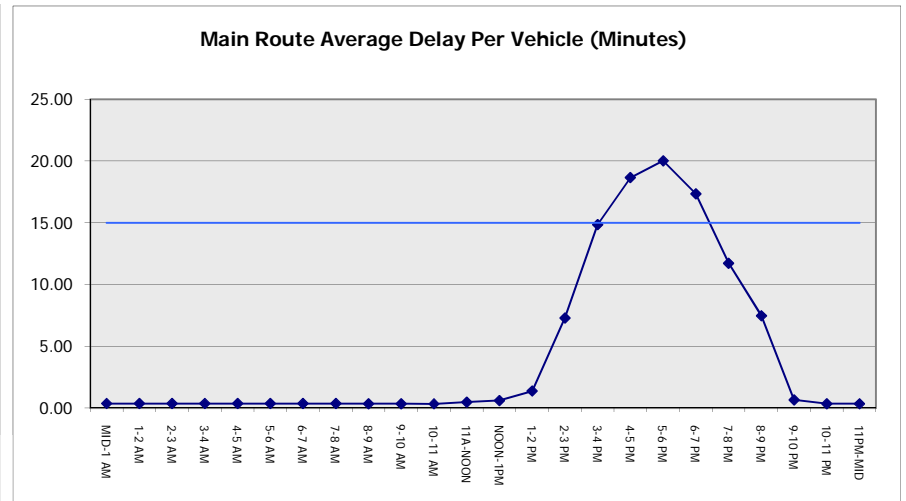
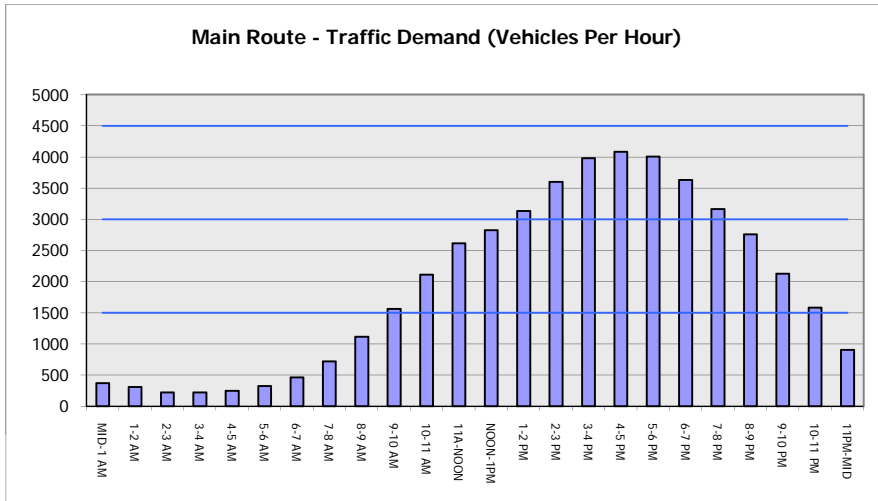
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$110,447
CONGESTED HOURS PER DAY*	3

*Delays Exceeding 15 Minutes

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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY 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	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	364	0.0	43	0.0	3000	364	0	43	0.36	0	70.2	55.6	49.7	19.6	19.6
1-2 AM	236	0.0	28	0.0	3000	236	0	28	0.36	0	70.2	55.6	49.7	19.6	19.6
2-3 AM	193	0.0	23	0.0	3000	193	0	23	0.36	0	70.2	55.6	49.7	19.7	19.7
3-4 AM	176	0.0	21	0.0	3000	176	0	21	0.36	0	70.2	55.6	49.7	19.7	19.7
4-5 AM	218	0.0	26	0.0	3000	218	0	26	0.36	0	70.2	55.6	49.7	19.7	19.7
5-6 AM	336	0.0	40	0.0	3000	336	0	40	0.36	0	70.2	55.6	49.7	19.6	19.6
6-7 AM	615	0.0	72	0.0	3000	615	0	72	0.36	0	70.0	55.5	49.7	19.3	19.3
7-8 AM	980	0.0	115	0.0	3000	980	0	115	0.35	0	69.5	55.4	49.7	18.9	18.9
8-9 AM	1469	0.0	173	0.0	3000	1469	0	173	0.34	0	68.9	55.3	49.7	18.5	18.5
9-10 AM	2127	0.0	250	0.0	3000	2127	0	250	0.33	0	68.1	55.1	49.7	17.9	17.9
10-11 AM	2758	0.0	324	0.0	3000	2758	0	324	0.57	0	67.3	48.1	41.4	17.3	17.3
11A-NOON	2937	0.0	345	0.0	2999	2937	0	345	0.69	0	67.1	45.3	38.3	17.1	17.1
NOON-1PM	3032	0.0	357	0.0	2999	3032	0	357	0.94	12	66.9	40.4	37.3	17.1	17.1
1-2 PM	3053	0.0	360	0.0	3000	3053	0	360	1.79	59	66.9	29.7	37.3	17.0	17.0
2-3 PM	2996	0.0	353	0.0	2999	2996	0	353	2.29	86	67.0	25.7	37.3	17.1	17.1
3-4 PM	2944	0.0	346	0.0	2999	2944	0	346	1.71	55	67.1	30.5	37.3	17.1	17.1
4-5 PM	2906	0.0	342	0.0	3000	2906	0	342	0.77	5	67.1	43.7	38.6	17.2	17.2
5-6 PM	2634	0.0	310	0.0	3000	2634	0	310	0.49	0	67.4	50.2	43.8	17.5	17.5
6-7 PM	2238	0.0	264	0.0	3000	2238	0	264	0.33	0	67.9	55.0	49.7	17.8	17.8
7-8 PM	1876	0.0	221	0.0	3000	1876	0	221	0.34	0	68.4	55.1	49.7	18.1	18.1
8-9 PM	1448	0.0	171	0.0	3000	1448	0	171	0.34	0	68.9	55.3	49.7	18.5	18.5
9-10 PM	1087	0.0	128	0.0	3000	1087	0	128	0.35	0	69.4	55.4	49.7	18.9	18.9
10-11 PM	768	0.0	90	0.0	3000	768	0	90	0.35	0	69.8	55.5	49.7	19.2	19.2
11PM-MID	621	0.0	73	0.0	3000	621	0	73	0.36	0	70.0	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	0.0097
MAIN ROUTE WITH WORKS	0.0072
DIVERSION	0.0146

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$9,555
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD**

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

