

IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY) NIGHTTIME 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	OFF	1623	0	192	0.00	0	68.7	68.7	68.7	18.4	18.4
9-10 AM	2218	0.0	262	0.0	OFF	2218	0	262	0.00	0	68.0	68.0	68.0	17.8	17.8
10-11 AM	2864	0.0	337	0.0	OFF	2864	0	337	0.00	0	67.2	67.2	67.2	17.2	17.2
11A-NOON	3000	0.0	354	0.0	OFF	3000	0	354	0.00	0	67.0	67.0	67.0	17.1	17.1
NOON-1PM	2907	0.0	342	0.0	OFF	2907	0	342	0.00	0	67.1	67.1	67.1	17.2	17.2
1-2 PM	3107	0.0	366	0.0	OFF	3107	0	366	0.00	0	66.9	66.9	66.9	17.0	17.0
2-3 PM	3013	0.0	355	0.0	OFF	3013	0	355	0.00	0	67.0	67.0	67.0	17.1	17.1
3-4 PM	3010	0.0	355	0.0	OFF	3010	0	355	0.00	0	67.0	67.0	67.0	17.1	17.1
4-5 PM	2848	0.0	336	0.0	OFF	2848	0	336	0.00	0	67.2	67.2	67.2	17.2	17.2
5-6 PM	2546	0.0	299	0.0	OFF	2546	0	299	0.00	0	67.6	67.6	67.6	17.5	17.5
6-7 PM	2240	0.0	264	0.0	1499	1796	444	708	10.61	260	67.9	9.1	30.8	17.8	15.2
7-8 PM	1892	0.0	223	0.0	1500	1421	471	694	10.38	244	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

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0094
DIVERSION	0.0197

PIA: Personal Injury Accidents

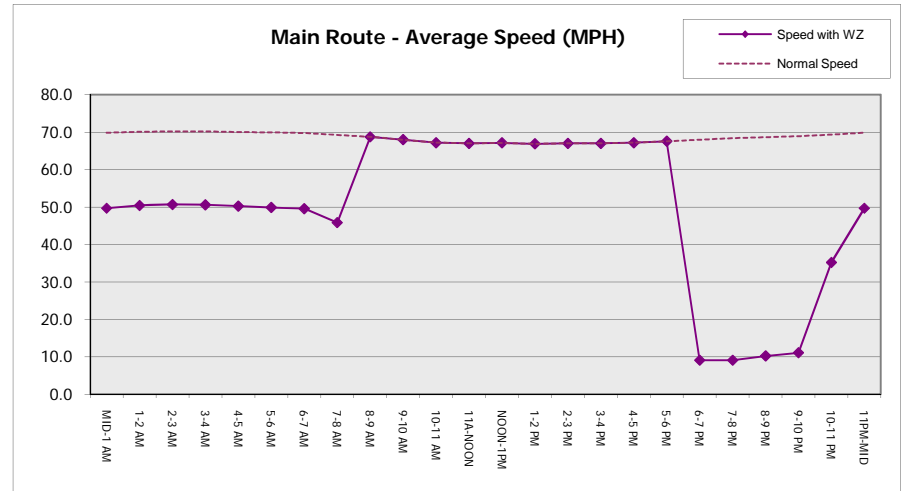
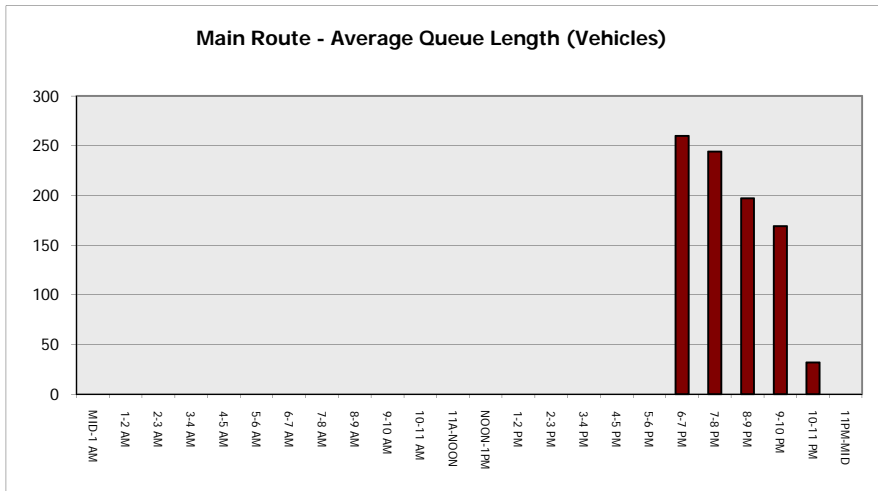
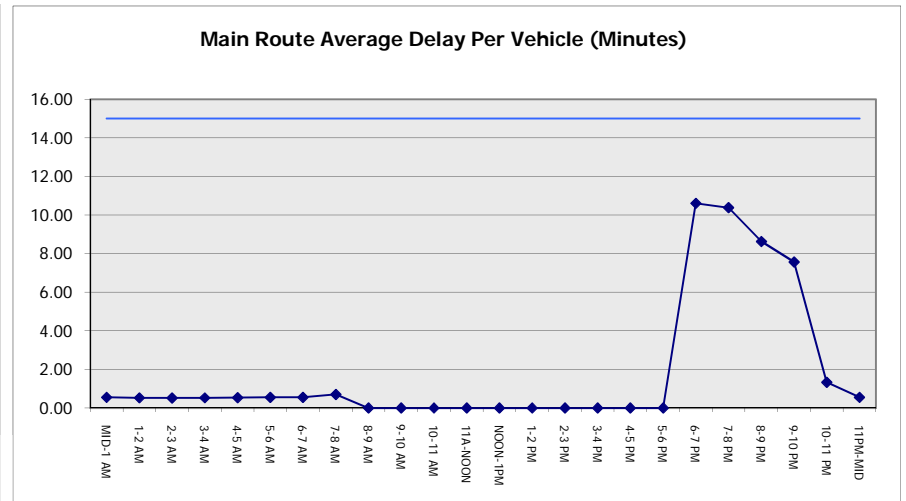
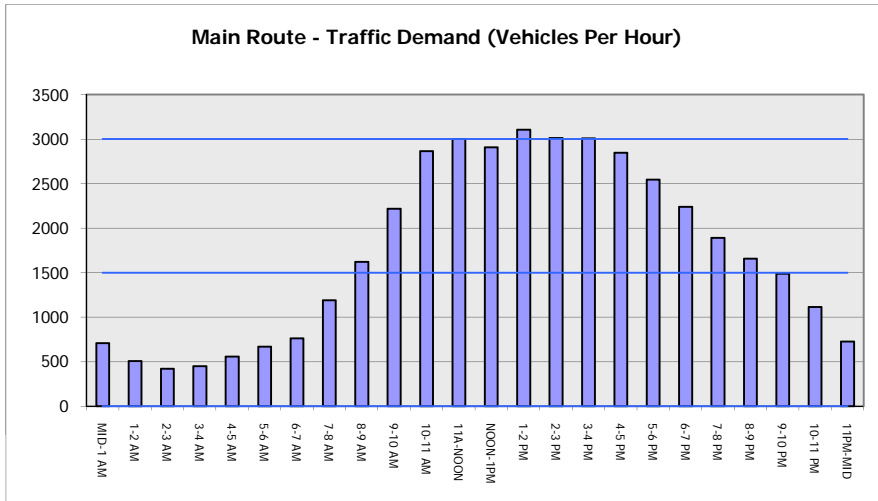
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$20,123
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)
NIGHTTIME 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) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD	AUGUST
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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	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	OFF	2692	0	317	0.13	12	67.4	61.7	61.7	17.4	17.4
9-10 AM	3317	0.0	390	0.0	OFF	3317	0	390	0.00	0	66.6	66.6	66.6	16.8	16.8
10-11 AM	3747	0.0	442	0.0	OFF	3747	0	442	0.00	0	65.3	65.3	65.3	16.4	16.4
11A-NOON	3560	0.0	420	0.0	OFF	3560	0	420	0.00	0	66.3	66.3	66.3	16.6	16.6
NOON-1PM	3274	0.0	385	0.0	OFF	3274	0	385	0.00	0	66.7	66.7	66.7	16.8	16.8
1-2 PM	2930	0.0	345	0.0	OFF	2930	0	345	0.00	0	67.1	67.1	67.1	17.1	17.1
2-3 PM	2757	0.0	324	0.0	OFF	2757	0	324	0.00	0	67.3	67.3	67.3	17.3	17.3
3-4 PM	2663	0.0	314	0.0	OFF	2663	0	314	0.00	0	67.4	67.4	67.4	17.4	17.4
4-5 PM	2340	0.0	275	0.0	OFF	2340	0	275	0.00	0	67.8	67.8	67.8	17.7	17.7
5-6 PM	2234	0.0	263	0.0	OFF	2234	0	263	0.00	0	67.9	67.9	67.9	17.8	17.8
6-7 PM	1912	0.0	225	0.0	1499	1721	191	416	7.36	174	68.4	11.4	30.8	18.1	17.0
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

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0100
DIVERSION	0.0183

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$14,648
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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NIGHTTIME 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

