

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

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	3000	710	0	84	0.36	0	69.9	55.5	49.7	19.2	19.2
1-2 AM	509	0.0	60	0.0	3000	509	0	60	0.36	0	70.1	55.5	49.7	19.4	19.4
2-3 AM	421	0.0	49	0.0	3000	421	0	49	0.36	0	70.2	55.6	49.7	19.5	19.5
3-4 AM	451	0.0	53	0.0	3000	451	0	53	0.36	0	70.2	55.6	49.7	19.4	19.4
4-5 AM	559	0.0	66	0.0	3000	559	0	66	0.36	0	70.0	55.5	49.7	19.4	19.4
5-6 AM	669	0.0	78	0.0	3000	669	0	78	0.36	0	69.9	55.5	49.7	19.3	19.3
6-7 AM	763	0.0	90	0.0	3000	763	0	90	0.35	0	69.8	55.5	49.7	19.2	19.2
7-8 AM	1189	0.0	140	0.0	3000	1189	0	140	0.35	0	69.2	55.3	49.7	18.8	18.8
8-9 AM	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 AM	2218	0.0	262	0.0	3000	2218	0	262	0.33	0	68.0	55.0	49.7	17.8	17.8
10-11 AM	2864	0.0	337	0.0	2999	2864	0	337	0.64	0	67.2	46.4	39.5	17.2	17.2
11A-NOON	3000	0.0	354	0.0	3000	3000	0	354	0.74	0	67.0	44.2	37.3	17.1	17.1
NOON-1PM	2907	0.0	342	0.0	3000	2907	0	342	0.67	0	67.1	45.7	38.7	17.2	17.2
1-2 PM	3107	0.0	366	0.0	2999	3107	0	366	1.56	50	66.9	32.0	37.3	17.0	17.0
2-3 PM	3013	0.0	355	0.0	2999	3013	0	355	2.84	116	67.0	22.4	37.3	17.1	17.1
3-4 PM	3010	0.0	355	0.0	3000	3010	0	355	3.09	130	67.0	21.2	37.3	17.1	17.1
4-5 PM	2848	0.0	336	0.0	2999	2848	0	336	1.75	69	67.2	30.1	38.4	17.2	17.2
5-6 PM	2546	0.0	299	0.0	3000	2546	0	299	0.43	0	67.6	51.8	45.7	17.5	17.5
6-7 PM	2240	0.0	264	0.0	3000	2240	0	264	0.33	0	67.9	55.0	49.7	17.8	17.8
7-8 PM	1892	0.0	223	0.0	3000	1892	0	223	0.34	0	68.4	55.1	49.7	18.1	18.1
8-9 PM	1657	0.0	195	0.0	3000	1657	0	195	0.34	0	68.7	55.2	49.7	18.3	18.3
9-10 PM	1487	0.0	175	0.0	3000	1487	0	175	0.34	0	68.9	55.3	49.7	18.5	18.5
10-11 PM	1113	0.0	131	0.0	3000	1113	0	131	0.35	0	69.4	55.4	49.7	18.8	18.8
11PM-MID	725	0.0	86	0.0	3000	725	0	86	0.35	0	69.9	55.5	49.7	19.2	19.2

----- 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	0.0106
MAIN ROUTE WITH WORKS	0.0078
DIVERSION	0.0160

PIA: Personal Injury Accidents

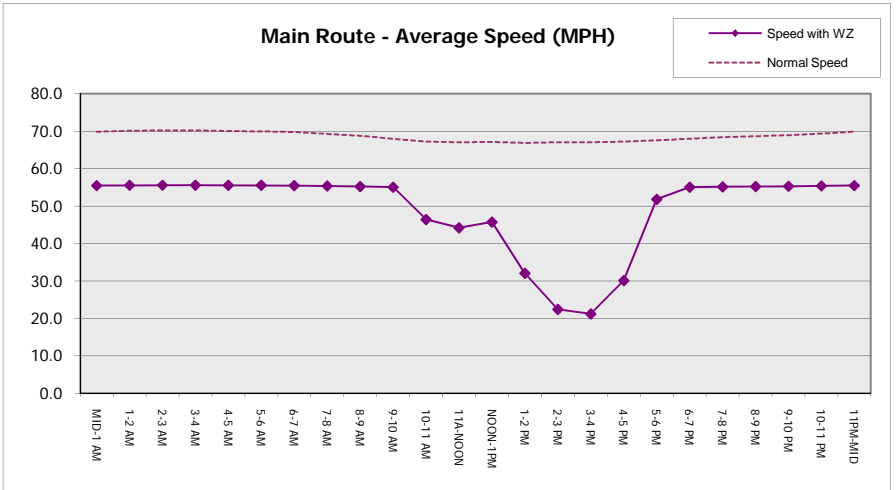
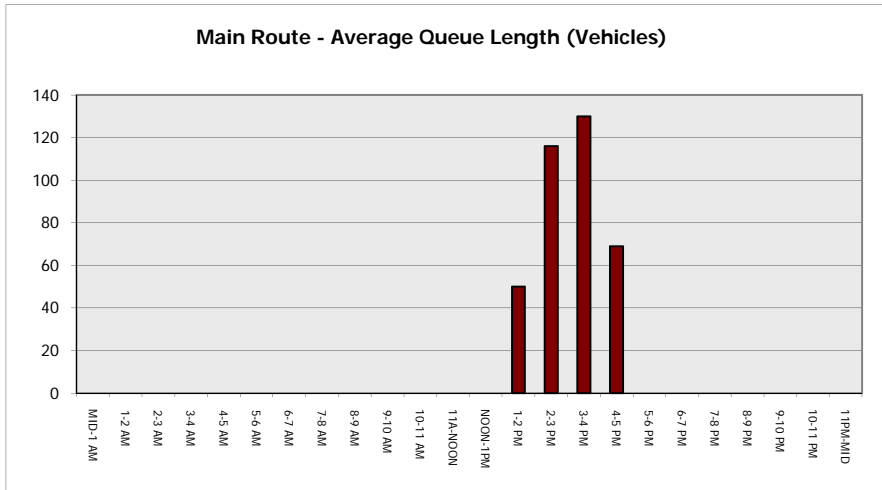
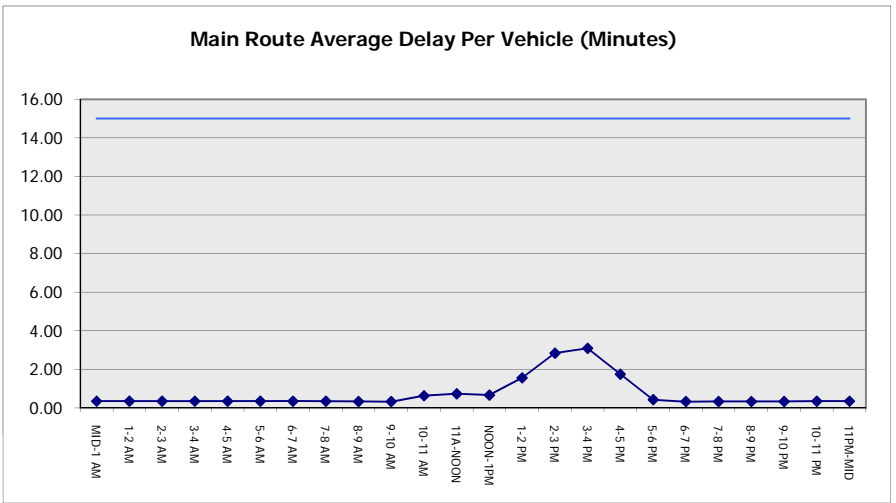
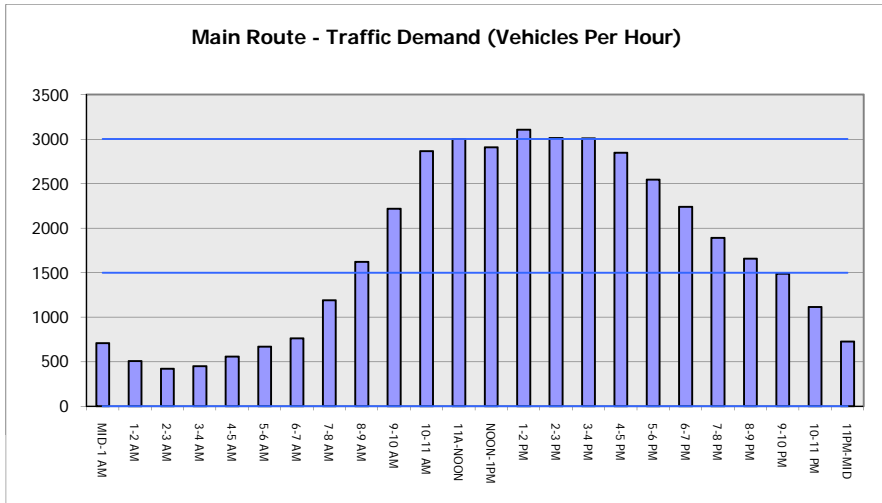
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$11,812
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
 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) 1 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						
	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	3000	731	0	86	0.35	0	69.8	55.5	49.7	19.2	19.2
1-2 AM	433	0.0	51	0.0	3000	433	0	51	0.36	0	70.2	55.6	49.7	19.5	19.5
2-3 AM	358	0.0	42	0.0	3000	358	0	42	0.36	0	70.2	55.6	49.7	19.6	19.6
3-4 AM	324	0.0	39	0.0	3000	324	0	39	0.36	0	70.2	55.6	49.7	19.6	19.6
4-5 AM	405	0.0	48	0.0	3000	405	0	48	0.36	0	70.2	55.6	49.7	19.5	19.5
5-6 AM	606	0.0	71	0.0	3000	606	0	71	0.36	0	70.0	55.5	49.7	19.3	19.3
6-7 AM	1115	0.0	131	0.0	3000	1115	0	131	0.35	0	69.4	55.3	49.7	18.8	18.8
7-8 AM	1886	0.0	222	0.0	3000	1886	0	222	0.34	0	68.4	55.1	49.7	18.1	18.1
8-9 AM	2692	0.0	317	0.0	2999	2692	0	317	0.52	0	67.4	49.4	42.9	17.4	17.4
9-10 AM	3317	0.0	390	0.0	2999	3317	0	390	2.54	125	66.6	24.7	37.3	16.8	17.1
10-11 AM	3747	0.0	442	0.0	3000	3415	332	774	10.95	577	65.3	11.3	37.3	16.4	16.6
11A-NOON	3560	0.0	420	0.0	2999	2937	623	1043	13.54	707	66.3	10.4	37.3	16.6	14.9
NOON-1PM	3274	0.0	385	0.0	2999	2855	418	804	11.43	591	66.7	11.1	37.3	16.8	16.4
1-2 PM	2930	0.0	345	0.0	3000	2855	74	420	8.80	445	67.1	12.4	37.3	17.1	18.8
2-3 PM	2757	0.0	324	0.0	2999	2757	0	324	5.40	265	67.3	15.8	37.4	17.3	18.3
3-4 PM	2663	0.0	314	0.0	3000	2663	0	314	0.94	32	67.4	40.5	42.1	17.4	17.4
4-5 PM	2340	0.0	275	0.0	3000	2340	0	275	0.33	0	67.8	55.0	49.7	17.7	17.7
5-6 PM	2234	0.0	263	0.0	3000	2234	0	263	0.33	0	67.9	55.0	49.7	17.8	17.8
6-7 PM	1912	0.0	225	0.0	3000	1912	0	225	0.34	0	68.4	55.1	49.7	18.1	18.1
7-8 PM	1664	0.0	196	0.0	3000	1664	0	196	0.34	0	68.7	55.2	49.7	18.3	18.3
8-9 PM	1466	0.0	173	0.0	3000	1466	0	173	0.34	0	68.9	55.3	49.7	18.5	18.5
9-10 PM	1236	0.0	145	0.0	3000	1236	0	145	0.35	0	69.2	55.3	49.7	18.8	18.8
10-11 PM	980	0.0	115	0.0	3000	980	0	115	0.35	0	69.5	55.4	49.7	18.9	18.9
11PM-MID	732	0.0	86	0.0	3000	732	0	86	0.35	0	69.8	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	0.0110
MAIN ROUTE WITH WORKS	0.0079
DIVERSION	0.0214

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$53,521
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

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

