

IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CARMICHAEL RD TO STAGELINE RD TO USH 12	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	326	0.0	22	0.0	3000	326	0	22	0.36	0	70.2	53.0	49.7	19.7	19.7
1-2 AM	270	0.0	18	0.0	3000	270	0	18	0.36	0	70.2	53.0	49.7	19.7	19.7
2-3 AM	196	0.0	13	0.0	3000	196	0	13	0.36	0	70.2	53.0	49.7	19.8	19.8
3-4 AM	197	0.0	13	0.0	3000	197	0	13	0.36	0	70.2	53.0	49.7	19.8	19.8
4-5 AM	216	0.0	14	0.0	3000	216	0	14	0.36	0	70.2	53.0	49.7	19.8	19.8
5-6 AM	285	0.0	18	0.0	3000	285	0	18	0.36	0	70.2	53.0	49.7	19.7	19.7
6-7 AM	406	0.0	27	0.0	3000	406	0	27	0.36	0	70.2	53.0	49.7	19.7	19.7
7-8 AM	628	0.0	42	0.0	3000	628	0	42	0.36	0	69.9	53.0	49.7	19.6	19.6
8-9 AM	975	0.0	65	0.0	3000	975	0	65	0.35	0	69.6	52.9	49.7	19.5	19.5
9-10 AM	1365	0.0	91	0.0	3000	1365	0	91	0.34	0	69.1	52.8	49.7	19.3	19.3
10-11 AM	1845	0.0	122	0.0	3000	1845	0	122	0.34	0	68.4	52.8	49.7	19.1	19.1
11A-NOON	2284	0.0	151	0.0	3000	2284	0	151	0.33	0	67.9	52.7	49.7	18.9	18.9
NOON-1PM	2470	0.0	163	0.0	3000	2470	0	163	0.38	0	67.7	50.8	47.6	18.9	18.9
1-2 PM	2739	0.0	182	0.0	2999	2739	0	182	0.56	0	67.3	45.5	41.7	18.8	18.8
2-3 PM	3145	0.0	209	0.0	2999	3145	0	209	1.47	49	66.8	29.8	37.3	18.6	18.6
3-4 PM	3477	0.0	230	0.0	3000	3334	144	374	6.67	341	66.4	13.4	37.3	18.4	19.7
4-5 PM	3570	0.0	237	0.0	2999	3019	551	788	9.65	492	66.3	11.2	37.3	18.4	17.9
5-6 PM	3500	0.0	232	0.0	2999	2970	530	762	9.53	486	66.4	11.3	37.3	18.4	18.1
6-7 PM	3174	0.0	210	0.0	2999	2918	256	466	8.34	420	66.8	12.0	37.3	18.6	19.6
7-8 PM	2768	0.0	184	0.0	2999	2764	4	188	5.86	290	67.3	14.2	37.6	18.8	20.6
8-9 PM	2409	0.0	160	0.0	3000	2409	0	160	0.63	23	67.8	44.0	47.1	18.9	18.9
9-10 PM	1860	0.0	123	0.0	3000	1860	0	123	0.34	0	68.4	52.8	49.7	19.1	19.1
10-11 PM	1385	0.0	92	0.0	3000	1385	0	92	0.34	0	69.0	52.8	49.7	19.3	19.3
11PM-MID	790	0.0	52	0.0	3000	790	0	52	0.35	0	69.7	53.0	49.7	19.6	19.6

----- 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	0.0083
MAIN ROUTE WITH WORKS	0.0055
DIVERSION	0.0127

PIA: Personal Injury Accidents

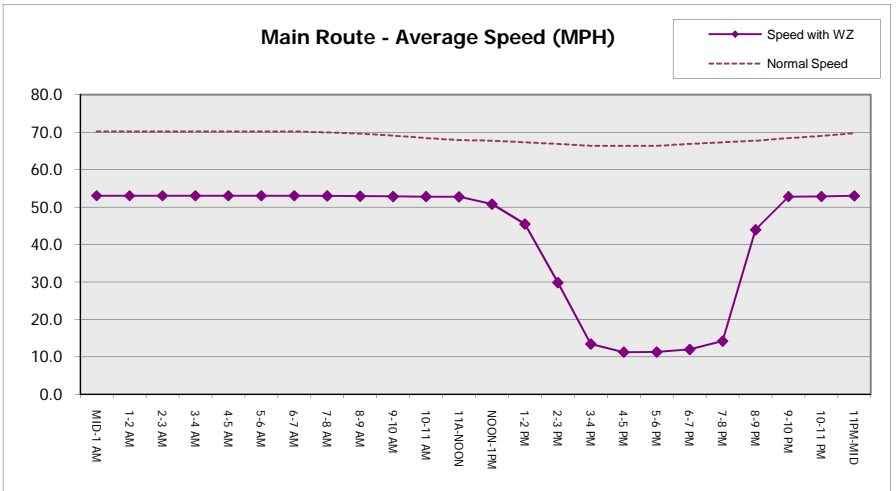
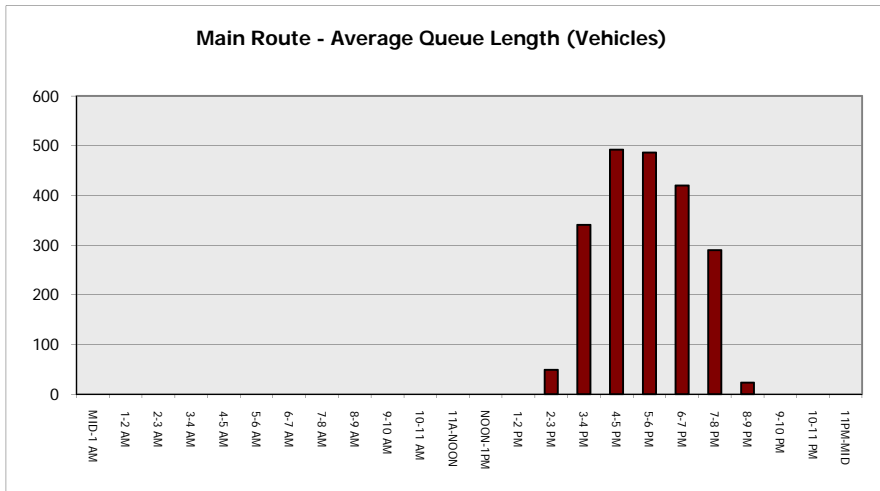
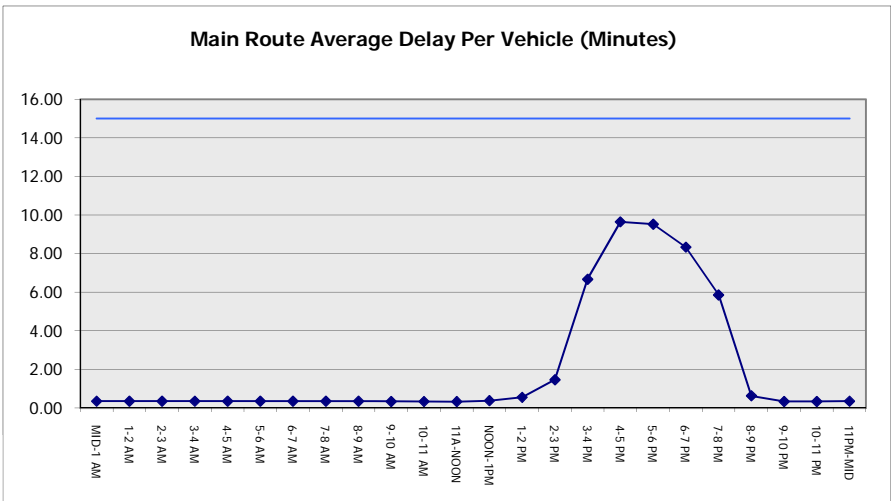
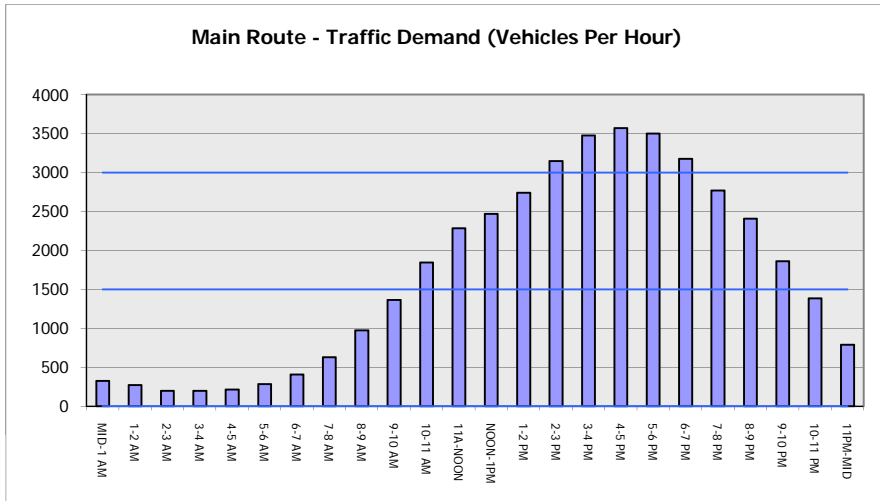
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$41,718
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: CARMICHAEL RD TO STAGELINE RD TO USH 12

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CARMICHAEL RD TO STAGELINE RD TO USH 12	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	318	0.0	21	0.0	3000	318	0	21	0.36	0	70.2	53.0	49.7	19.7	19.7
1-2 AM	206	0.0	14	0.0	3000	206	0	14	0.36	0	70.2	53.0	49.7	19.8	19.8
2-3 AM	168	0.0	11	0.0	3000	168	0	11	0.36	0	70.2	53.0	49.7	19.8	19.8
3-4 AM	154	0.0	10	0.0	3000	154	0	10	0.36	0	70.2	53.0	49.7	19.8	19.8
4-5 AM	190	0.0	13	0.0	3000	190	0	13	0.36	0	70.2	53.0	49.7	19.8	19.8
5-6 AM	293	0.0	19	0.0	3000	293	0	19	0.36	0	70.2	53.0	49.7	19.7	19.7
6-7 AM	537	0.0	36	0.0	3000	537	0	36	0.36	0	70.0	53.0	49.7	19.6	19.6
7-8 AM	856	0.0	56	0.0	3000	856	0	56	0.35	0	69.7	53.0	49.7	19.5	19.5
8-9 AM	1285	0.0	85	0.0	3000	1285	0	85	0.35	0	69.1	52.9	49.7	19.3	19.3
9-10 AM	1859	0.0	123	0.0	3000	1859	0	123	0.34	0	68.4	52.8	49.7	19.1	19.1
10-11 AM	2411	0.0	160	0.0	3000	2411	0	160	0.34	0	67.8	52.2	49.1	18.9	18.9
11A-NOON	2566	0.0	170	0.0	3000	2566	0	170	0.45	0	67.6	48.7	45.3	18.8	18.8
NOON-1PM	2650	0.0	175	0.0	3000	2650	0	175	0.50	0	67.4	47.1	43.5	18.8	18.8
1-2 PM	2669	0.0	177	0.0	3000	2669	0	177	0.51	0	67.4	46.7	43.0	18.8	18.8
2-3 PM	2619	0.0	173	0.0	3000	2619	0	173	0.48	0	67.5	47.7	44.1	18.8	18.8
3-4 PM	2574	0.0	171	0.0	3000	2574	0	171	0.45	0	67.6	48.6	45.1	18.8	18.8
4-5 PM	2540	0.0	169	0.0	3000	2540	0	169	0.43	0	67.6	49.3	45.9	18.8	18.8
5-6 PM	2302	0.0	153	0.0	3000	2302	0	153	0.33	0	67.9	52.7	49.7	18.9	18.9
6-7 PM	1957	0.0	130	0.0	3000	1957	0	130	0.34	0	68.3	52.8	49.7	19.1	19.1
7-8 PM	1640	0.0	108	0.0	3000	1640	0	108	0.34	0	68.7	52.8	49.7	19.2	19.2
8-9 PM	1266	0.0	84	0.0	3000	1266	0	84	0.35	0	69.2	52.9	49.7	19.4	19.4
9-10 PM	950	0.0	63	0.0	3000	950	0	63	0.35	0	69.6	52.9	49.7	19.5	19.5
10-11 PM	671	0.0	44	0.0	3000	671	0	44	0.36	0	69.9	53.0	49.7	19.6	19.6
11PM-MID	543	0.0	36	0.0	3000	543	0	36	0.36	0	70.0	53.0	49.7	19.6	19.6

----- 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	0.0069
MAIN ROUTE WITH WORKS	0.0047
DIVERSION	0.0067

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,813
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: CARMICHAEL RD TO STAGELINE RD TO USH 12

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

