

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	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	499	0.0	34	0.0	3000	499	0	34	0.36	0	70.1	53.0	49.7	19.7	19.7
1-2 AM	433	0.0	29	0.0	3000	433	0	29	0.36	0	70.2	53.0	49.7	19.7	19.7
2-3 AM	438	0.0	29	0.0	3000	438	0	29	0.36	0	70.2	53.0	49.7	19.7	19.7
3-4 AM	610	0.0	40	0.0	3000	610	0	40	0.36	0	70.0	53.0	49.7	19.6	19.6
4-5 AM	1118	0.0	75	0.0	3000	1118	0	75	0.35	0	69.4	52.9	49.7	19.4	19.4
5-6 AM	1747	0.0	116	0.0	3000	1747	0	116	0.34	0	68.6	52.8	49.7	19.1	19.1
6-7 AM	1951	0.0	129	0.0	3000	1951	0	129	0.34	0	68.3	52.8	49.7	19.1	19.1
7-8 AM	1897	0.0	125	0.0	3000	1897	0	125	0.34	0	68.4	52.8	49.7	19.1	19.1
8-9 AM	1830	0.0	121	0.0	3000	1830	0	121	0.34	0	68.4	52.8	49.7	19.1	19.1
9-10 AM	1885	0.0	125	0.0	3000	1885	0	125	0.34	0	68.4	52.8	49.7	19.1	19.1
10-11 AM	1983	0.0	131	0.0	3000	1983	0	131	0.33	0	68.2	52.8	49.7	19.1	19.1
11A-NOON	2060	0.0	136	0.0	3000	2060	0	136	0.33	0	68.2	52.8	49.7	19.0	19.0
NOON-1PM	2116	0.0	141	0.0	3000	2116	0	141	0.33	0	68.1	52.7	49.7	19.0	19.0
1-2 PM	2297	0.0	152	0.0	3000	2297	0	152	0.33	0	67.9	52.7	49.7	18.9	18.9
2-3 PM	2354	0.0	156	0.0	3000	2354	0	156	0.33	0	67.8	52.7	49.7	18.9	18.9
3-4 PM	2435	0.0	161	0.0	3000	2435	0	161	0.36	0	67.7	51.6	48.4	18.9	18.9
4-5 PM	2474	0.0	164	0.0	3000	2474	0	164	0.38	0	67.7	50.7	47.4	18.9	18.9
5-6 PM	2254	0.0	149	0.0	3000	2254	0	149	0.33	0	67.9	52.7	49.7	18.9	18.9
6-7 PM	1925	0.0	128	0.0	3000	1925	0	128	0.34	0	68.3	52.8	49.7	19.1	19.1
7-8 PM	1635	0.0	108	0.0	3000	1635	0	108	0.34	0	68.7	52.8	49.7	19.2	19.2
8-9 PM	1419	0.0	94	0.0	3000	1419	0	94	0.34	0	69.0	52.8	49.7	19.3	19.3
9-10 PM	1169	0.0	78	0.0	3000	1169	0	78	0.35	0	69.3	52.9	49.7	19.4	19.4
10-11 PM	876	0.0	58	0.0	3000	876	0	58	0.35	0	69.6	53.0	49.7	19.5	19.5
11PM-MID	593	0.0	39	0.0	3000	593	0	39	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	0.0079
MAIN ROUTE WITH WORKS	0.0053
DIVERSION	0.0077

PIA: Personal Injury Accidents

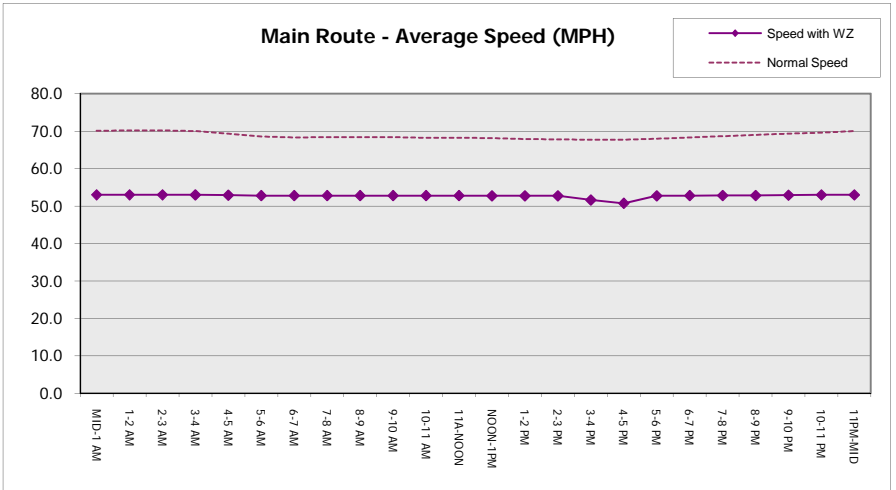
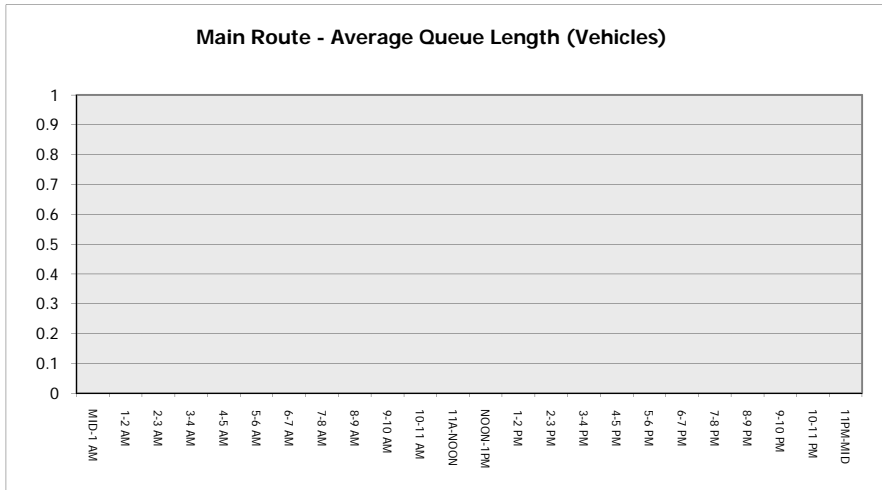
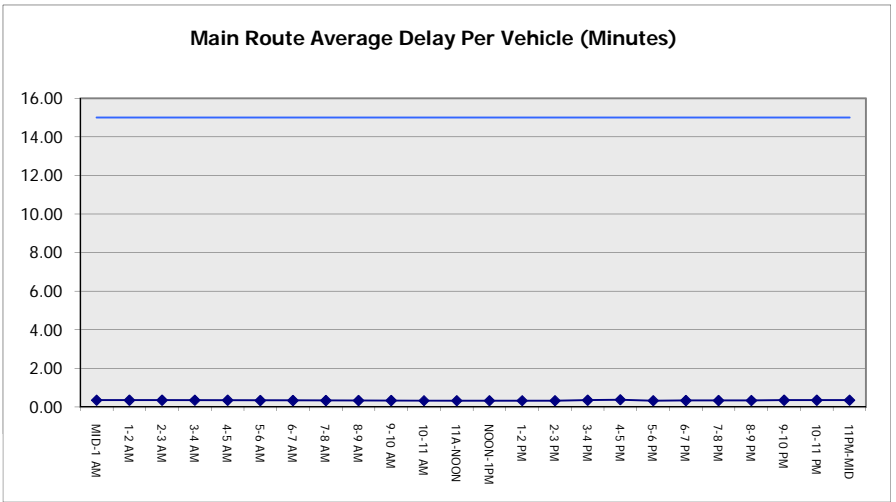
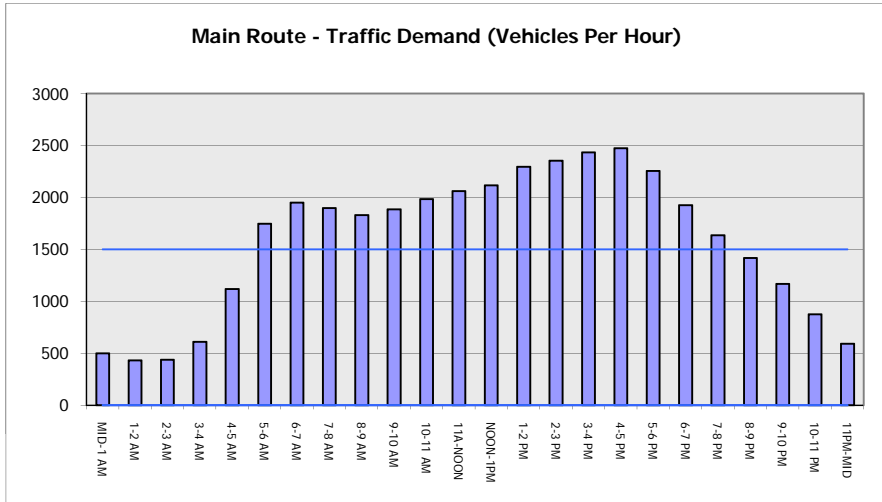
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,517
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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	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						
	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	462	0.0	30	0.0	3000	462	0	30	0.36	0	70.2	53.0	49.7	19.7	19.7
1-2 AM	310	0.0	21	0.0	3000	310	0	21	0.36	0	70.2	53.0	49.7	19.7	19.7
2-3 AM	272	0.0	18	0.0	3000	272	0	18	0.36	0	70.2	53.0	49.7	19.7	19.7
3-4 AM	313	0.0	21	0.0	3000	313	0	21	0.36	0	70.2	53.0	49.7	19.7	19.7
4-5 AM	452	0.0	30	0.0	3000	452	0	30	0.36	0	70.2	53.0	49.7	19.7	19.7
5-6 AM	766	0.0	51	0.0	3000	766	0	51	0.35	0	69.8	53.0	49.7	19.6	19.6
6-7 AM	1342	0.0	89	0.0	3000	1342	0	89	0.35	0	69.1	52.8	49.7	19.3	19.3
7-8 AM	1683	0.0	111	0.0	3000	1683	0	111	0.34	0	68.6	52.8	49.7	19.2	19.2
8-9 AM	1858	0.0	123	0.0	3000	1858	0	123	0.34	0	68.4	52.8	49.7	19.1	19.1
9-10 AM	2256	0.0	149	0.0	3000	2256	0	149	0.33	0	67.9	52.7	49.7	18.9	18.9
10-11 AM	2439	0.0	161	0.0	3000	2439	0	161	0.36	0	67.7	51.5	48.3	18.9	18.9
11A-NOON	2381	0.0	158	0.0	3000	2381	0	158	0.33	0	67.8	52.7	49.7	18.9	18.9
NOON-1PM	2334	0.0	155	0.0	3000	2334	0	155	0.33	0	67.8	52.7	49.7	18.9	18.9
1-2 PM	2426	0.0	161	0.0	3000	2426	0	161	0.35	0	67.7	51.8	48.6	18.9	18.9
2-3 PM	2599	0.0	172	0.0	3000	2599	0	172	0.47	0	67.5	48.1	44.5	18.8	18.8
3-4 PM	2729	0.0	181	0.0	3000	2729	0	181	0.55	0	67.3	45.6	41.9	18.8	18.8
4-5 PM	2683	0.0	177	0.0	3000	2683	0	177	0.52	0	67.4	46.5	42.8	18.8	18.8
5-6 PM	2303	0.0	152	0.0	3000	2303	0	152	0.33	0	67.9	52.7	49.7	18.9	18.9
6-7 PM	2004	0.0	133	0.0	3000	2004	0	133	0.33	0	68.2	52.8	49.7	19.1	19.1
7-8 PM	1610	0.0	107	0.0	3000	1610	0	107	0.34	0	68.7	52.8	49.7	19.2	19.2
8-9 PM	1364	0.0	91	0.0	3000	1364	0	91	0.34	0	69.1	52.8	49.7	19.3	19.3
9-10 PM	1134	0.0	76	0.0	3000	1134	0	76	0.35	0	69.3	52.9	49.7	19.4	19.4
10-11 PM	955	0.0	64	0.0	3000	955	0	64	0.35	0	69.6	52.9	49.7	19.5	19.5
11PM-MID	629	0.0	42	0.0	3000	629	0	42	0.36	0	69.9	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	0.0077
MAIN ROUTE WITH WORKS	0.0052
DIVERSION	0.0075

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,731
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**

AUGUST
 Analyzed for 2009
 Construction Season

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

