

IH 94: STH 35 TO STH 65 (ST CROIX COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 65 - USH 12	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	361	0.0	72	0.0	1500	361	0	72	0.46	0	65.7	60.7	44.0	38.9	38.9
1-2 AM	300	0.0	60	0.0	1500	300	0	60	0.45	0	65.8	60.8	44.3	39.0	39.0
2-3 AM	314	0.0	63	0.0	1500	314	0	63	0.45	0	65.8	60.8	44.2	38.9	38.9
3-4 AM	364	0.0	72	0.0	1500	364	0	72	0.46	0	65.7	60.6	44.0	38.9	38.9
4-5 AM	606	0.0	121	0.0	1500	606	0	121	0.48	0	65.3	60.1	43.1	38.3	38.3
5-6 AM	965	0.0	193	0.0	1500	965	0	193	0.52	0	64.6	59.1	41.8	37.3	37.3
6-7 AM	1126	0.0	225	0.0	1500	1126	0	225	0.54	0	64.3	58.6	41.0	36.9	36.9
7-8 AM	1202	0.0	241	0.0	1500	1202	0	241	0.64	0	64.1	57.6	38.4	36.8	36.8
8-9 AM	1172	0.0	234	0.0	1500	1172	0	234	0.60	0	64.2	58.0	39.4	36.8	36.8
9-10 AM	1271	0.0	254	0.0	1499	1271	0	254	0.73	0	64.0	56.7	36.3	36.6	36.6
10-11 AM	1480	0.0	296	0.0	1499	1480	0	296	1.09	3	63.7	53.3	31.5	36.1	36.1
11A-NOON	1631	0.0	325	0.0	1500	1631	0	325	3.48	71	63.3	39.2	30.8	35.7	35.7
NOON-1PM	1694	0.0	338	0.0	1499	1674	21	359	9.17	226	63.2	24.2	30.8	35.5	35.3
1-2 PM	1962	0.0	391	0.0	1499	1569	393	785	14.25	359	62.7	18.0	30.8	34.9	30.0
2-3 PM	2087	0.0	416	0.0	1499	1530	557	973	15.92	404	62.5	16.6	30.8	34.6	27.6
3-4 PM	2091	0.0	417	0.0	1499	1495	596	1013	16.32	415	62.5	16.3	30.8	34.6	27.1
4-5 PM	2003	0.0	400	0.0	1499	1470	533	932	15.54	394	62.7	16.9	30.8	34.8	28.2
5-6 PM	1922	0.0	384	0.0	1500	1475	447	831	14.64	369	62.8	17.7	30.8	35.0	29.4
6-7 PM	1771	0.0	354	0.0	1500	1457	314	668	13.36	334	63.1	18.9	30.8	35.3	31.4
7-8 PM	1481	0.0	296	0.0	1499	1419	62	359	11.08	272	63.7	21.5	30.8	36.1	35.3
8-9 PM	1241	0.0	248	0.0	1499	1241	0	248	4.38	114	64.1	36.0	33.5	36.6	36.6
9-10 PM	1165	0.0	232	0.0	1500	1165	0	232	0.59	0	64.2	58.1	39.6	36.9	36.9
10-11 PM	874	0.0	175	0.0	1500	874	0	175	0.51	0	64.8	59.4	42.1	37.6	37.6
11PM-MID	578	0.0	115	0.0	1500	578	0	115	0.48	0	65.3	60.1	43.2	38.3	38.3

----- 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	0.0283
MAIN ROUTE WITH WORKS	0.0238
DIVERSION	0.1039

PIA: Personal Injury Accidents

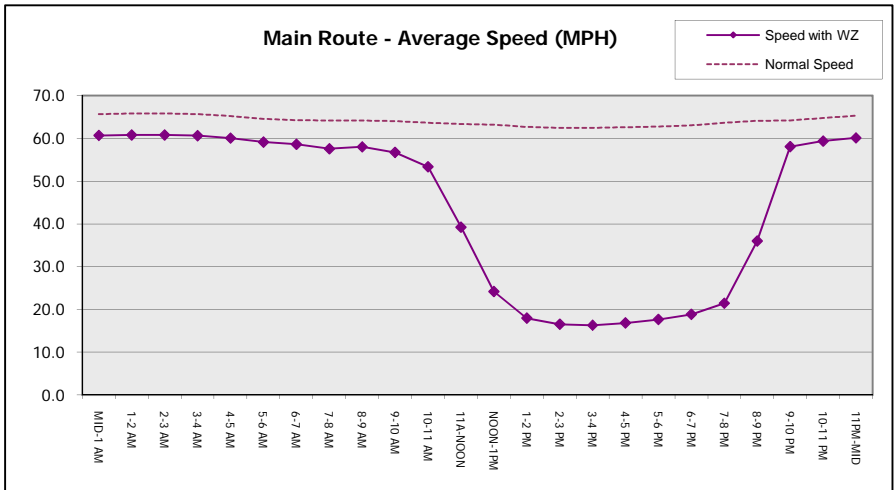
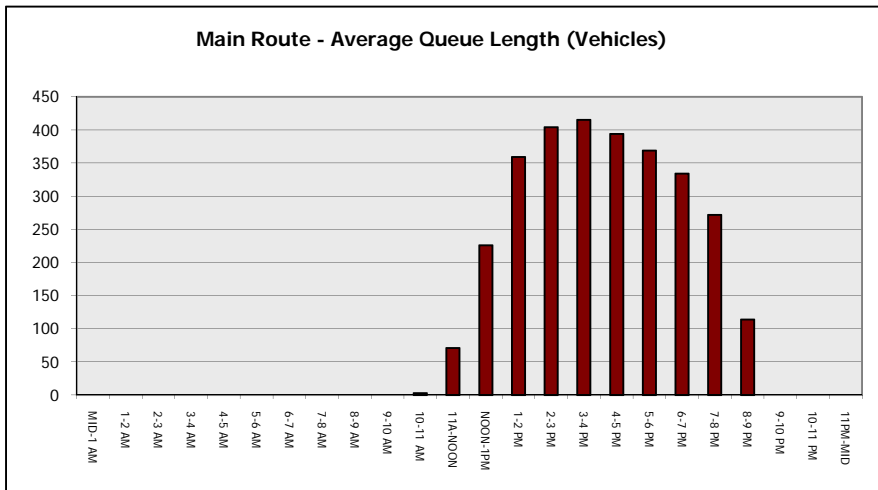
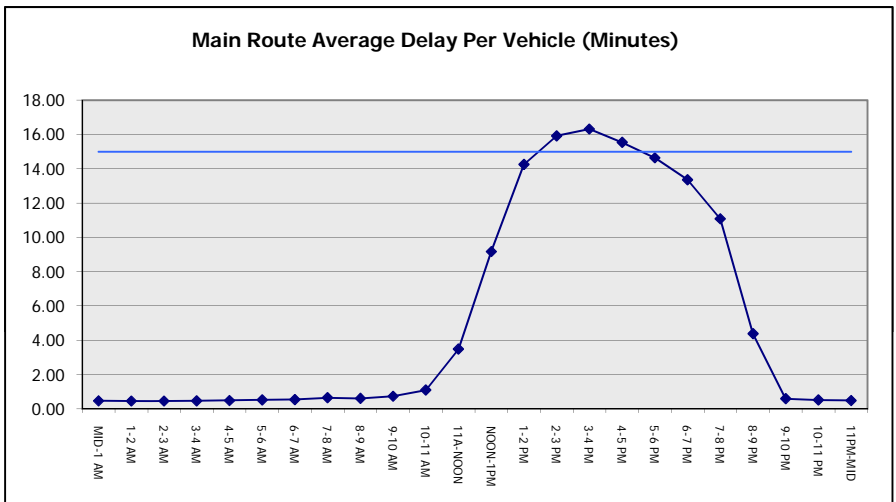
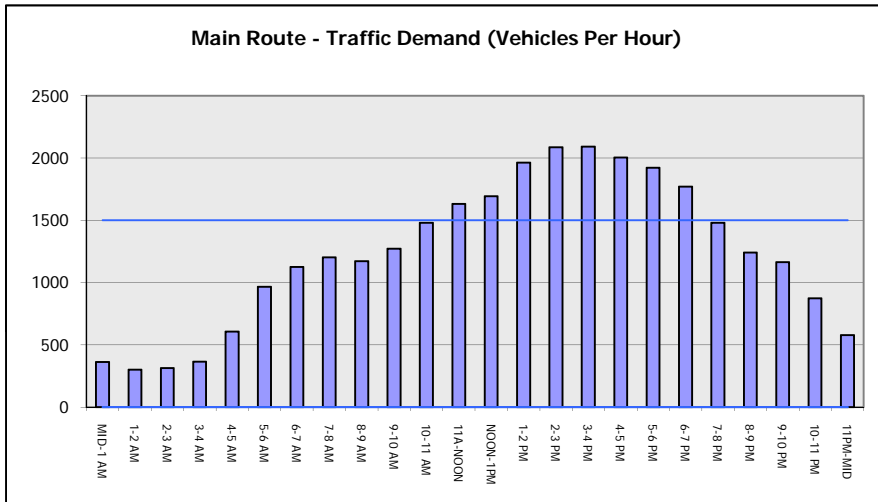
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$60,388
CONGESTED HOURS PER DAY*	3

*Delays Exceeding 15 Minutes

**IH 94: STH 35 TO STH 65 (ST CROIX COUNTY)
 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: STH 65 - USH 12**

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



IH 94: STH 35 TO STH 65 (ST CROIX COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 65 - USH 12	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			AVERAGE SPEEDS IN MPH				
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVERTING	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	407	0.0	82	0.0	1500	407	0	82	0.46	0	65.6	60.5	43.8	38.8	38.8
1-2 AM	265	0.0	52	0.0	1500	265	0	52	0.45	0	65.9	60.9	44.4	39.1	39.1
2-3 AM	232	0.0	46	0.0	1500	232	0	46	0.45	0	66.0	61.0	44.5	39.2	39.2
3-4 AM	231	0.0	46	0.0	1500	231	0	46	0.44	0	66.0	61.0	44.6	39.2	39.2
4-5 AM	291	0.0	59	0.0	1500	291	0	59	0.45	0	65.8	60.9	44.3	39.0	39.0
5-6 AM	491	0.0	98	0.0	1500	491	0	98	0.47	0	65.5	60.3	43.5	38.5	38.5
6-7 AM	820	0.0	163	0.0	1500	820	0	163	0.50	0	64.8	59.5	42.3	37.7	37.7
7-8 AM	1203	0.0	241	0.0	1499	1203	0	241	0.64	0	64.1	57.6	38.5	36.8	36.8
8-9 AM	1435	0.0	287	0.0	1499	1435	0	287	0.99	1	63.7	54.2	32.4	36.2	36.2
9-10 AM	1833	0.0	366	0.0	1500	1833	0	366	5.63	147	63.0	31.7	30.8	35.2	35.2
10-11 AM	2255	0.0	450	0.0	1499	1643	612	1062	16.79	430	62.2	16.0	30.8	34.2	26.6
11A-NOON	2286	0.0	456	0.0	1499	1503	783	1239+	18.83	483	62.1	14.6	30.8	34.1	24.3
NOON-1PM	2284	0.0	456	0.0	1499	1510	774	1230+	18.71	480	62.1	14.7	30.8	34.1	24.5
1-2 PM	2641	0.0	527	0.0	1500	1667	974	1502+	22.36	588	59.4	12.7	30.8	33.2	21.1
2-3 PM	2741	0.0	547	0.0	1499	1510	1231	1778+	25.94	685	58.4	11.2	30.8	33.0	18.7
3-4 PM	2655	0.0	530	0.0	1500	1505	1151	1681+	25.71	677	59.3	11.3	30.8	33.2	18.9
4-5 PM	2691	0.0	537	0.0	1499	1509	1182	1719+	26.00	685	58.9	11.2	30.8	33.1	18.7
5-6 PM	2582	0.0	516	0.0	1500	1447	1135	1651+	25.17	660	60.1	11.6	30.8	33.3	19.3
6-7 PM	2465	0.0	492	0.0	1500	1414	1050	1542+	23.24	606	61.2	12.4	30.8	33.7	20.6
7-8 PM	1772	0.0	354	0.0	1499	1249	523	876	15.07	388	63.1	17.3	30.8	35.3	28.9
8-9 PM	1248	0.0	249	0.0	1499	1235	13	262	7.14	184	64.1	28.2	32.9	36.6	36.5
9-10 PM	923	0.0	184	0.0	1500	923	0	184	0.54	0	64.6	58.9	41.9	37.4	37.4
10-11 PM	788	0.0	157	0.0	1500	788	0	157	0.50	0	64.9	59.6	42.4	37.8	37.8
11PM-MID	595	0.0	118	0.0	1500	595	0	118	0.48	0	65.3	60.1	43.2	38.3	38.3

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0336
MAIN ROUTE WITH WORKS	0.0229
DIVERSION	0.1931

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$149,142
CONGESTED HOURS PER DAY*	10

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 65 - USH 12

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

