

IH 94: STH 35 TO STH 65 (ST CROIX COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 65 - USH 12	OCTOBER
	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	332	0.0	66	0.0	1500	332	0	66	0.45	0	65.8	60.7	44.2	38.9	38.9
1-2 AM	286	0.0	58	0.0	1500	286	0	58	0.45	0	65.8	60.9	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	363	0.0	72	0.0	1500	363	0	72	0.46	0	65.7	60.7	44.0	38.9	38.9
4-5 AM	550	0.0	110	0.0	1500	550	0	110	0.48	0	65.4	60.2	43.3	38.4	38.4
5-6 AM	987	0.0	197	0.0	1500	987	0	197	0.52	0	64.5	59.1	41.7	37.3	37.3
6-7 AM	1148	0.0	229	0.0	1500	1148	0	229	0.57	0	64.3	58.3	40.2	36.9	36.9
7-8 AM	1243	0.0	248	0.0	1500	1243	0	248	0.69	0	64.1	57.1	37.1	36.6	36.6
8-9 AM	1157	0.0	231	0.0	1500	1157	0	231	0.58	0	64.2	58.2	39.9	36.9	36.9
9-10 AM	1203	0.0	241	0.0	1500	1203	0	241	0.64	0	64.1	57.6	38.3	36.8	36.8
10-11 AM	1359	0.0	271	0.0	1499	1359	0	271	0.84	0	63.8	55.6	34.0	36.4	36.4
11A-NOON	1526	0.0	305	0.0	1499	1526	0	305	1.28	7	63.5	51.8	30.9	36.0	36.0
NOON-1PM	1634	0.0	326	0.0	1500	1634	0	326	4.03	86	63.3	37.1	30.8	35.7	35.7
1-2 PM	1887	0.0	377	0.0	1500	1701	186	562	11.82	300	62.8	20.5	30.8	35.1	32.8
2-3 PM	2077	0.0	414	0.0	1499	1548	529	943	15.63	396	62.5	16.8	30.8	34.6	28.0
3-4 PM	2072	0.0	413	0.0	1499	1493	579	992	16.11	409	62.5	16.5	30.8	34.6	27.4
4-5 PM	2046	0.0	409	0.0	1500	1488	558	967	15.87	402	62.6	16.6	30.8	34.7	27.8
5-6 PM	1910	0.0	382	0.0	1499	1454	456	838	14.71	371	62.8	17.6	30.8	35.0	29.3
6-7 PM	1649	0.0	330	0.0	1499	1435	213	543	12.48	310	63.3	19.8	30.8	35.6	33.0
7-8 PM	1373	0.0	274	0.0	1499	1364	9	283	9.37	228	63.8	24.0	30.8	36.3	36.2
8-9 PM	1170	0.0	233	0.0	1499	1170	0	233	1.82	40	64.2	48.5	37.6	36.8	36.8
9-10 PM	899	0.0	180	0.0	1500	899	0	180	0.51	0	64.7	59.3	42.0	37.5	37.5
10-11 PM	710	0.0	141	0.0	1500	710	0	141	0.49	0	65.1	59.7	42.7	38.0	38.0
11PM-MID	438	0.0	88	0.0	1500	438	0	88	0.46	0	65.6	60.4	43.7	38.6	38.6

----- 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	0.0271
MAIN ROUTE WITH WORKS	0.0229
DIVERSION	0.0962

PIA: Personal Injury Accidents

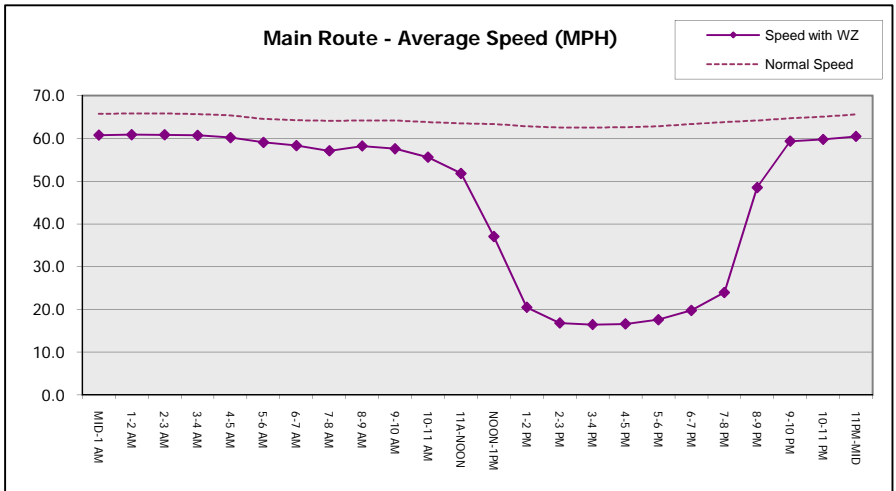
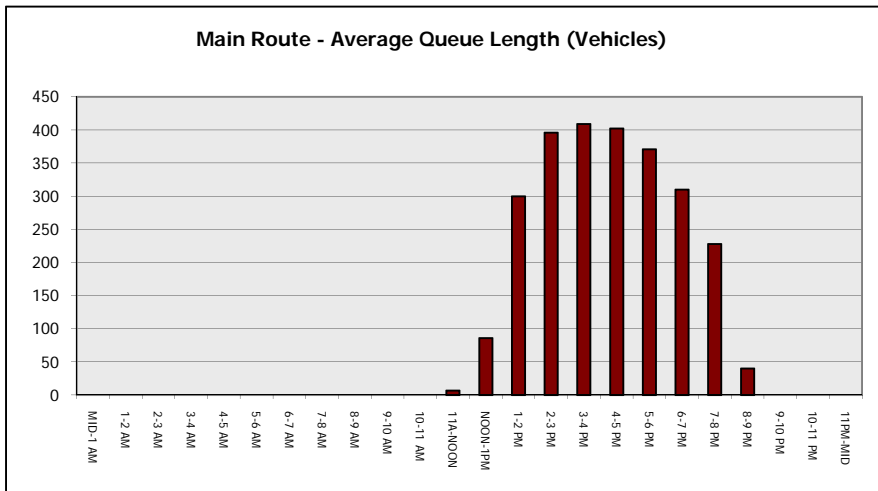
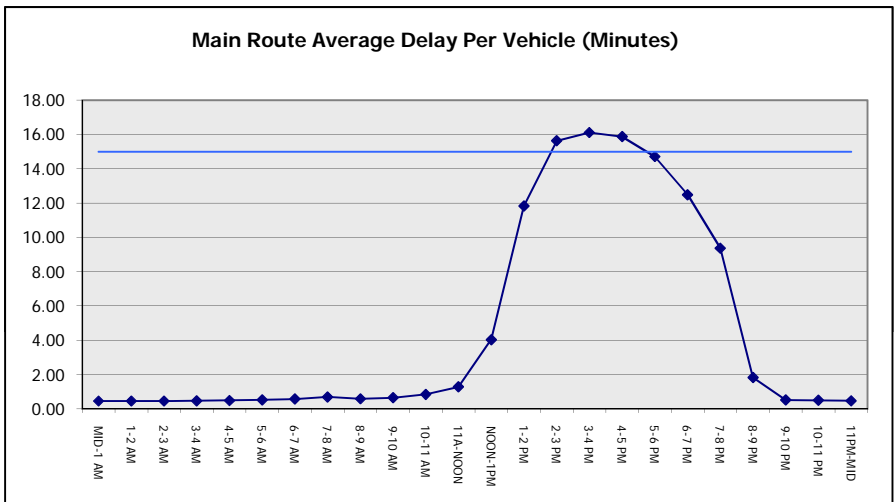
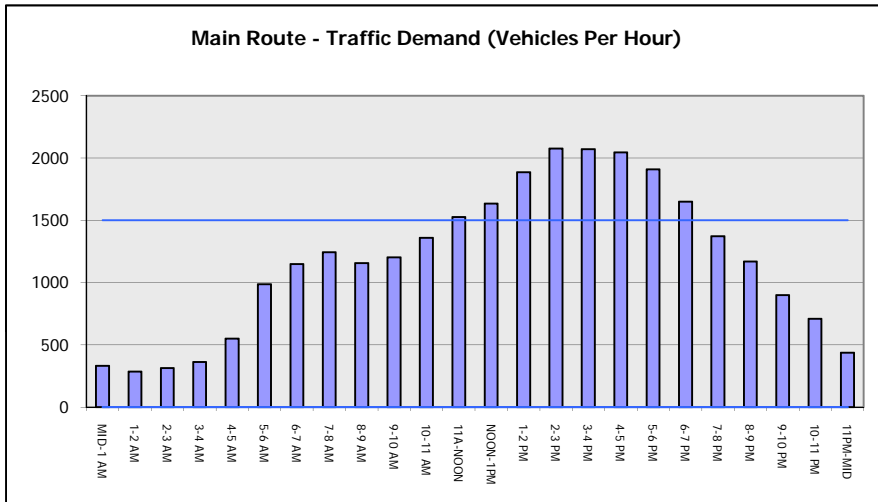
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$51,591
CONGESTED HOURS PER DAY*	3

*Delays Exceeding 15 Minutes

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

OCTOBER
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	OCTOBER
	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 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	318	0.0	64	0.0	1500	318	0	64	0.45	0	65.8	60.7	44.2	38.9	38.9
1-2 AM	233	0.0	47	0.0	1500	233	0	47	0.45	0	66.0	61.0	44.5	39.2	39.2
2-3 AM	182	0.0	37	0.0	1500	182	0	37	0.44	0	66.1	61.1	44.8	39.3	39.3
3-4 AM	211	0.0	42	0.0	1500	211	0	42	0.44	0	66.0	61.0	44.6	39.2	39.2
4-5 AM	259	0.0	51	0.0	1500	259	0	51	0.45	0	65.9	60.9	44.5	39.1	39.1
5-6 AM	460	0.0	92	0.0	1500	460	0	92	0.47	0	65.5	60.4	43.7	38.6	38.6
6-7 AM	709	0.0	141	0.0	1500	709	0	141	0.49	0	65.1	59.7	42.7	38.0	38.0
7-8 AM	1109	0.0	222	0.0	1500	1109	0	222	0.53	0	64.3	58.7	41.3	37.0	37.0
8-9 AM	1249	0.0	249	0.0	1499	1249	0	249	0.70	0	64.1	56.9	37.0	36.6	36.6
9-10 AM	1578	0.0	315	0.0	1499	1578	0	315	1.68	19	63.5	49.0	30.8	35.8	35.8
10-11 AM	1863	0.0	371	0.0	1500	1775	88	460	9.07	233	62.9	24.3	30.8	35.1	34.0
11A-NOON	1902	0.0	380	0.0	1499	1508	394	774	14.17	356	62.8	18.1	30.8	35.0	30.1
NOON-1PM	1937	0.0	387	0.0	1499	1518	418	806	14.43	363	62.8	17.9	30.8	35.0	29.7
1-2 PM	2287	0.0	456	0.0	1500	1618	669	1125	17.47	448	62.1	15.5	30.8	34.1	25.8
2-3 PM	2429	0.0	486	0.0	1499	1557	872	1358+	20.36	526	61.6	13.7	30.8	33.7	22.9
3-4 PM	2554	0.0	510	0.0	1500	1558	996	1506+	22.52	588	60.4	12.6	30.8	33.4	21.1
4-5 PM	2518	0.0	502	0.0	1499	1477	1041	1544+	23.21	605	60.7	12.4	30.8	33.5	20.6
5-6 PM	2295	0.0	458	0.0	1499	1392	902	1361+	20.45	528	62.1	13.7	30.8	34.0	22.9
6-7 PM	2109	0.0	422	0.0	1500	1420	689	1111	17.34	443	62.5	15.6	30.8	34.5	26.0
7-8 PM	1618	0.0	323	0.0	1499	1366	253	576	12.72	318	63.3	19.6	30.8	35.7	32.6
8-9 PM	1058	0.0	211	0.0	1499	1058	0	211	3.17	98	64.4	41.1	37.6	37.1	37.1
9-10 PM	836	0.0	166	0.0	1500	836	0	166	0.50	0	64.8	59.4	42.3	37.7	37.7
10-11 PM	678	0.0	135	0.0	1500	678	0	135	0.49	0	65.1	59.9	42.8	38.1	38.1
11PM-MID	507	0.0	102	0.0	1500	507	0	102	0.47	0	65.5	60.3	43.5	38.5	38.5

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0295
MAIN ROUTE WITH WORKS	0.0219
DIVERSION	0.1467

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$101,168
CONGESTED HOURS PER DAY*	6

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

