

<b>IH 94: STH 35 TO STH 65 (ST CROIX COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>DIVERSION ROUTE: STH 65 - USH 12</b>	<b>OCTOBER</b>
	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	OFF	987	0	197	0.00	0	64.5	64.5	64.5	37.3	37.3
6-7 AM	1148	0.0	229	0.0	OFF	1148	0	229	0.00	0	64.3	64.3	64.3	36.9	36.9
7-8 AM	1243	0.0	248	0.0	OFF	1243	0	248	0.00	0	64.1	64.1	64.1	36.6	36.6
8-9 AM	1157	0.0	231	0.0	OFF	1157	0	231	0.00	0	64.2	64.2	64.2	36.9	36.9
9-10 AM	1203	0.0	241	0.0	OFF	1203	0	241	0.00	0	64.1	64.1	64.1	36.8	36.8
10-11 AM	1359	0.0	271	0.0	OFF	1359	0	271	0.00	0	63.8	63.8	63.8	36.4	36.4
11A-NOON	1526	0.0	305	0.0	OFF	1526	0	305	0.00	0	63.5	63.5	63.5	36.0	36.0
NOON-1PM	1634	0.0	326	0.0	OFF	1634	0	326	0.00	0	63.3	63.3	63.3	35.7	35.7
1-2 PM	1887	0.0	377	0.0	OFF	1887	0	377	0.00	0	62.8	62.8	62.8	35.1	35.1
2-3 PM	2077	0.0	414	0.0	OFF	2077	0	414	0.00	0	62.5	62.5	62.5	34.6	34.6
3-4 PM	2072	0.0	413	0.0	OFF	2072	0	413	0.00	0	62.5	62.5	62.5	34.6	34.6
4-5 PM	2046	0.0	409	0.0	OFF	2046	0	409	0.00	0	62.6	62.6	62.6	34.7	34.7
5-6 PM	1910	0.0	382	0.0	OFF	1910	0	382	0.00	0	62.8	62.8	62.8	35.0	35.0
6-7 PM	1649	0.0	330	0.0	OFF	1649	0	330	0.00	0	63.3	63.3	63.3	35.6	35.6
7-8 PM	1373	0.0	274	0.0	1500	1373	0	274	0.86	0	63.8	55.4	33.6	36.3	36.3
8-9 PM	1170	0.0	233	0.0	1500	1170	0	233	0.60	0	64.2	58.0	39.4	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

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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	0.0266
DIVERSION	0.0665

PIA: Personal Injury Accidents

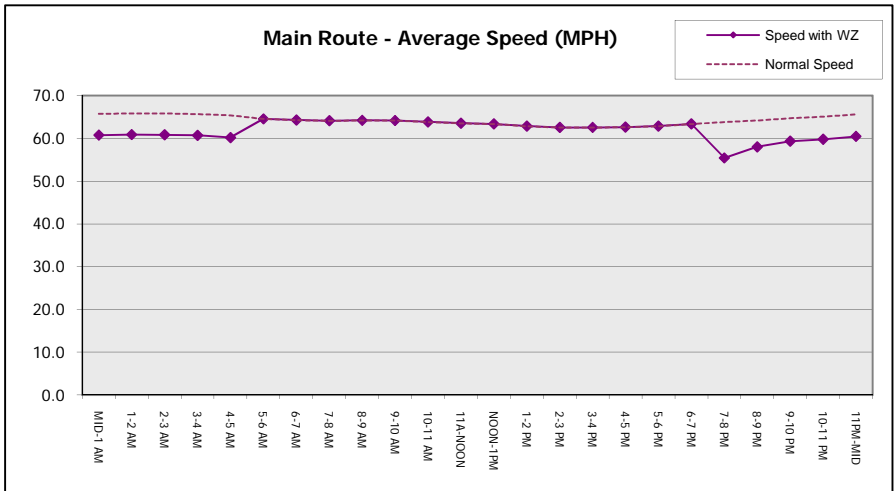
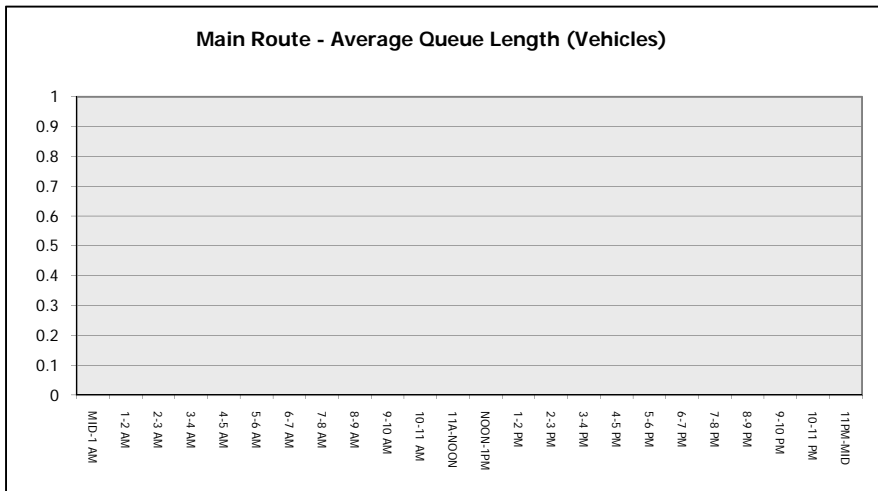
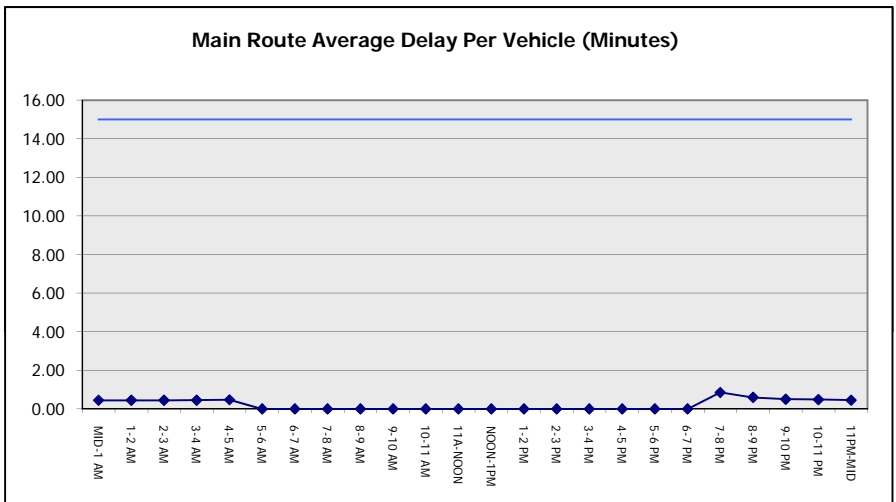
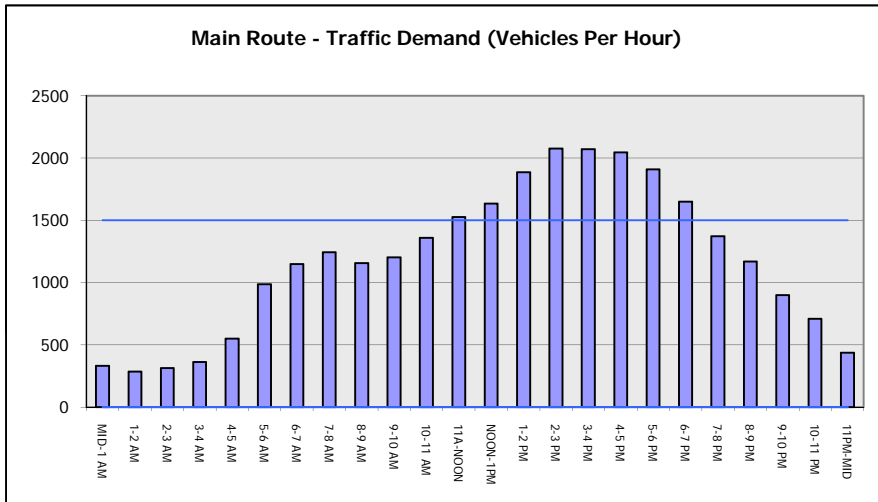
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$823
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

**OCTOBER**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY WESTBOUND DIRECTION**



<b>IH 94: STH 35 TO STH 65 (ST CROIX COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>DIVERSION ROUTE: STH 65 - USH 12</b>	<b>OCTOBER</b>
	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						
	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	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	OFF	460	0	92	0.00	0	65.5	65.5	65.5	38.6	38.6
6-7 AM	709	0.0	141	0.0	OFF	709	0	141	0.00	0	65.1	65.1	65.1	38.0	38.0
7-8 AM	1109	0.0	222	0.0	OFF	1109	0	222	0.00	0	64.3	64.3	64.3	37.0	37.0
8-9 AM	1249	0.0	249	0.0	OFF	1249	0	249	0.00	0	64.1	64.1	64.1	36.6	36.6
9-10 AM	1578	0.0	315	0.0	OFF	1578	0	315	0.00	0	63.5	63.5	63.5	35.8	35.8
10-11 AM	1863	0.0	371	0.0	OFF	1863	0	371	0.00	0	62.9	62.9	62.9	35.1	35.1
11A-NOON	1902	0.0	380	0.0	OFF	1902	0	380	0.00	0	62.8	62.8	62.8	35.0	35.0
NOON-1PM	1937	0.0	387	0.0	OFF	1937	0	387	0.00	0	62.8	62.8	62.8	35.0	35.0
1-2 PM	2287	0.0	456	0.0	OFF	2287	0	456	0.00	0	62.1	62.1	62.1	34.1	34.1
2-3 PM	2429	0.0	486	0.0	OFF	2429	0	486	0.00	0	61.6	61.6	61.6	33.7	33.7
3-4 PM	2554	0.0	510	0.0	OFF	2554	0	510	0.00	0	60.4	60.4	60.4	33.4	33.4
4-5 PM	2518	0.0	502	0.0	OFF	2518	0	502	0.00	0	60.7	60.7	60.7	33.5	33.5
5-6 PM	2295	0.0	458	0.0	OFF	2295	0	458	0.00	0	62.1	62.1	62.1	34.0	34.0
6-7 PM	2109	0.0	422	0.0	OFF	2109	0	422	0.00	0	62.5	62.5	62.5	34.5	34.5
7-8 PM	1618	0.0	323	0.0	1499	1618	0	323	4.31	92	63.3	36.0	30.8	35.7	35.7
8-9 PM	1058	0.0	211	0.0	1500	1058	0	211	1.16	20	64.4	53.3	39.8	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

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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	0.0291
DIVERSION	0.0725

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,141
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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NIGHTTIME CLOSURE  
DIVERSION ROUTE: STH 65 - USH 12**

**OCTOBER**  
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Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY EASTBOUND DIRECTION**

