

IH 94: STH 35 TO STH 65 (ST CROIX COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 65 - USH 12	OCTOBER
	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	225	0.0	45	0.0	1500	225	0	45	0.44	0	66.0	61.0	44.6	39.2	39.2
1-2 AM	171	0.0	35	0.0	1500	171	0	35	0.44	0	66.1	61.2	44.8	39.3	39.3
2-3 AM	147	0.0	29	0.0	1500	147	0	29	0.44	0	66.1	61.2	44.9	39.4	39.4
3-4 AM	142	0.0	28	0.0	1500	142	0	28	0.44	0	66.1	61.2	44.9	39.4	39.4
4-5 AM	143	0.0	28	0.0	1500	143	0	28	0.44	0	66.1	61.2	44.9	39.4	39.4
5-6 AM	185	0.0	37	0.0	1500	185	0	37	0.44	0	66.0	61.1	44.8	39.3	39.3
6-7 AM	240	0.0	48	0.0	1500	240	0	48	0.45	0	66.0	61.0	44.5	39.1	39.1
7-8 AM	343	0.0	68	0.0	1500	343	0	68	0.46	0	65.8	60.7	44.1	38.9	38.9
8-9 AM	535	0.0	107	0.0	1500	535	0	107	0.47	0	65.4	60.2	43.3	38.4	38.4
9-10 AM	857	0.0	172	0.0	OFF	857	0	172	0.00	0	64.8	64.8	64.8	37.6	37.6
10-11 AM	1214	0.0	243	0.0	OFF	1214	0	243	0.00	0	64.1	64.1	64.1	36.7	36.7
11A-NOON	1586	0.0	317	0.0	OFF	1586	0	317	0.00	0	63.4	63.4	63.4	35.8	35.8
NOON-1PM	1774	0.0	355	0.0	OFF	1774	0	355	0.00	0	63.1	63.1	63.1	35.3	35.3
1-2 PM	2037	0.0	407	0.0	OFF	2037	0	407	0.00	0	62.6	62.6	62.6	34.7	34.7
2-3 PM	2316	0.0	463	0.0	OFF	2316	0	463	0.00	0	62.1	62.1	62.1	34.0	34.0
3-4 PM	2581	0.0	516	0.0	OFF	2581	0	516	0.00	0	60.1	60.1	60.1	33.3	33.3
4-5 PM	2666	0.0	533	0.0	OFF	2666	0	533	0.00	0	59.2	59.2	59.2	33.1	33.1
5-6 PM	2543	0.0	508	0.0	OFF	2543	0	508	0.00	0	60.4	60.4	60.4	33.4	33.4
6-7 PM	2235	0.0	447	0.0	OFF	2235	0	447	0.00	0	62.2	62.2	62.2	34.2	34.2
7-8 PM	2055	0.0	410	0.0	1499	1875	179	590	9.56	254	62.5	23.5	30.8	34.7	32.4
8-9 PM	1676	0.0	335	0.0	1499	1408	268	603	12.90	322	63.3	19.4	30.8	35.6	32.2
9-10 PM	1205	0.0	241	0.0	1499	1204	2	242	5.93	161	64.1	31.2	34.0	36.8	36.8
10-11 PM	798	0.0	159	0.0	1500	798	0	159	0.50	0	64.9	59.6	42.4	37.8	37.8
11PM-MID	470	0.0	94	0.0	1500	470	0	94	0.47	0	65.5	60.4	43.6	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 (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	0.0269
MAIN ROUTE WITH WORKS	0.0259
DIVERSION	0.0713

PIA: Personal Injury Accidents

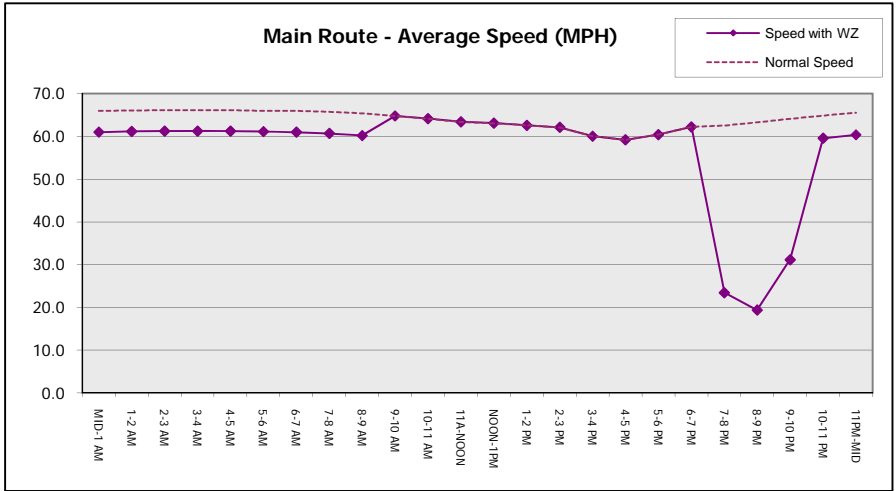
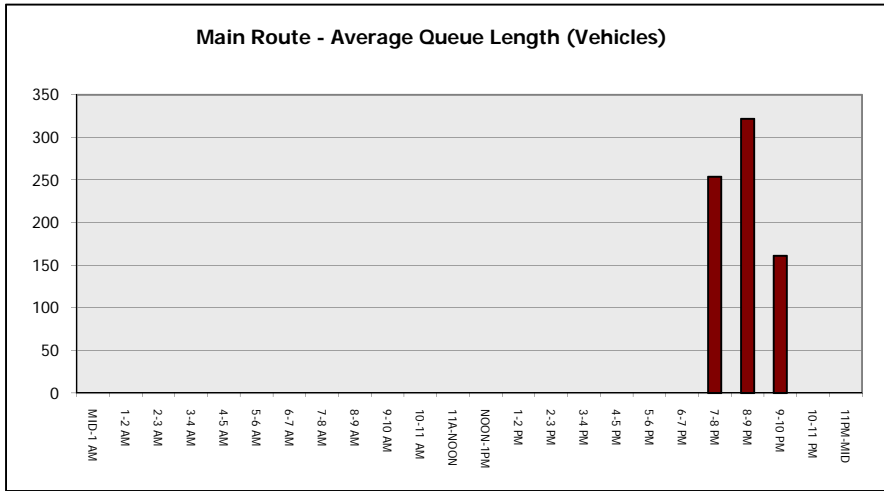
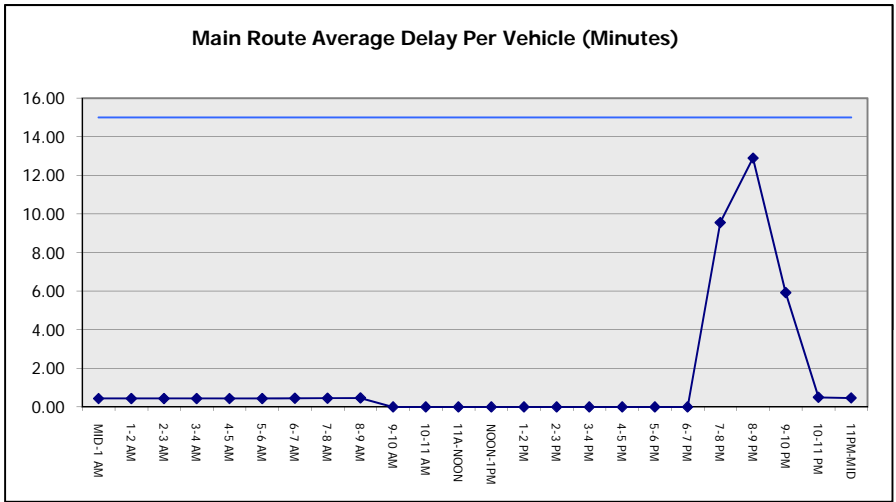
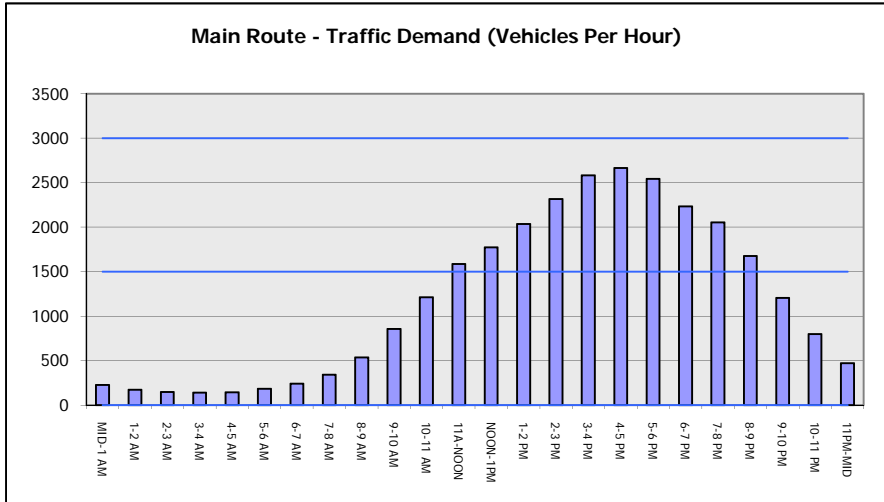
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$14,512
CONGESTED HOURS PER DAY*	0

*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
SUNDAY WESTBOUND DIRECTION



IH 94: STH 35 TO STH 65 (ST CROIX COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 65 - USH 12	OCTOBER
	Analyzed for 2009 Construction Season

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	260	0.0	52	0.0	1500	260	0	52	0.45	0	65.9	60.9	44.5	39.1	39.1
1-2 AM	162	0.0	32	0.0	1500	162	0	32	0.44	0	66.1	61.2	44.8	39.4	39.4
2-3 AM	135	0.0	27	0.0	1500	135	0	27	0.44	0	66.1	61.2	45.0	39.4	39.4
3-4 AM	112	0.0	22	0.0	1500	112	0	22	0.43	0	66.2	61.3	45.0	39.5	39.5
4-5 AM	139	0.0	28	0.0	1500	139	0	28	0.44	0	66.1	61.2	45.0	39.4	39.4
5-6 AM	192	0.0	39	0.0	1500	192	0	39	0.44	0	66.0	61.1	44.7	39.2	39.2
6-7 AM	333	0.0	66	0.0	1500	333	0	66	0.45	0	65.8	60.7	44.2	38.9	38.9
7-8 AM	537	0.0	107	0.0	1500	537	0	107	0.47	0	65.4	60.2	43.3	38.4	38.4
8-9 AM	810	0.0	162	0.0	1500	810	0	162	0.50	0	64.9	59.5	42.4	37.8	37.8
9-10 AM	1244	0.0	248	0.0	OFF	1244	0	248	0.00	0	64.1	64.1	64.1	36.6	36.6
10-11 AM	1658	0.0	331	0.0	OFF	1658	0	331	0.00	0	63.3	63.3	63.3	35.6	35.6
11A-NOON	1892	0.0	378	0.0	OFF	1892	0	378	0.00	0	62.8	62.8	62.8	35.0	35.0
NOON-1PM	1948	0.0	389	0.0	OFF	1948	0	389	0.00	0	62.8	62.8	62.8	34.9	34.9
1-2 PM	1975	0.0	394	0.0	OFF	1975	0	394	0.00	0	62.7	62.7	62.7	34.8	34.8
2-3 PM	1964	0.0	392	0.0	OFF	1964	0	392	0.00	0	62.7	62.7	62.7	34.9	34.9
3-4 PM	1936	0.0	386	0.0	OFF	1936	0	386	0.00	0	62.8	62.8	62.8	35.0	35.0
4-5 PM	1891	0.0	378	0.0	OFF	1891	0	378	0.00	0	62.8	62.8	62.8	35.0	35.0
5-6 PM	1677	0.0	335	0.0	OFF	1677	0	335	0.00	0	63.3	63.3	63.3	35.6	35.6
6-7 PM	1347	0.0	269	0.0	OFF	1347	0	269	0.00	0	63.9	63.9	63.9	36.4	36.4
7-8 PM	1173	0.0	234	0.0	1500	1173	0	234	0.60	0	64.2	58.0	39.3	36.8	36.8
8-9 PM	795	0.0	159	0.0	1500	795	0	159	0.50	0	64.9	59.6	42.4	37.8	37.8
9-10 PM	594	0.0	118	0.0	1500	594	0	118	0.48	0	65.3	60.1	43.2	38.3	38.3
10-11 PM	446	0.0	89	0.0	1500	446	0	89	0.47	0	65.6	60.4	43.7	38.6	38.6
11PM-MID	293	0.0	59	0.0	1500	293	0	59	0.45	0	65.8	60.8	44.3	39.0	39.0

"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	0.0225
MAIN ROUTE WITH WORKS	0.0221
DIVERSION	0.0551

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$864
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

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SUNDAY EASTBOUND DIRECTION

