

IH 94: STH 35 TO STH 65 (ST CROIX COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 65 - USH 12	AUGUST
	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	289	0.0	58	0.0	1500	289	0	58	0.45	0	65.8	60.9	44.3	39.0	39.0
1-2 AM	204	0.0	41	0.0	1500	204	0	41	0.44	0	66.0	61.0	44.6	39.2	39.2
2-3 AM	156	0.0	31	0.0	1500	156	0	31	0.44	0	66.1	61.2	44.8	39.4	39.4
3-4 AM	155	0.0	31	0.0	1500	155	0	31	0.44	0	66.1	61.2	44.8	39.4	39.4
4-5 AM	159	0.0	31	0.0	1500	159	0	31	0.44	0	66.1	61.2	44.8	39.4	39.4
5-6 AM	186	0.0	37	0.0	1500	186	0	37	0.44	0	66.0	61.1	44.7	39.3	39.3
6-7 AM	248	0.0	49	0.0	1500	248	0	49	0.45	0	66.0	60.9	44.5	39.1	39.1
7-8 AM	398	0.0	80	0.0	1500	398	0	80	0.46	0	65.6	60.5	43.9	38.8	38.8
8-9 AM	627	0.0	126	0.0	1500	627	0	126	0.48	0	65.2	60.0	43.0	38.2	38.2
9-10 AM	932	0.0	186	0.0	OFF	932	0	186	0.00	0	64.6	64.6	64.6	37.4	37.4
10-11 AM	1402	0.0	280	0.0	OFF	1402	0	280	0.00	0	63.8	63.8	63.8	36.3	36.3
11A-NOON	1807	0.0	361	0.0	OFF	1807	0	361	0.00	0	63.0	63.0	63.0	35.3	35.3
NOON-1PM	2059	0.0	411	0.0	OFF	2059	0	411	0.00	0	62.5	62.5	62.5	34.7	34.7
1-2 PM	2450	0.0	490	0.0	OFF	2450	0	490	0.00	0	61.4	61.4	61.4	33.7	33.7
2-3 PM	2842	0.0	567	0.0	OFF	2842	0	567	0.00	0	57.4	57.4	57.4	32.7	32.7
3-4 PM	3029	0.0	605	0.0	OFF	3029	0	605	0.00	0	55.5	55.5	55.5	32.2	32.2
4-5 PM	3180	0.0	635	0.0	OFF	3180	0	635	0.00	0	53.9	53.9	53.9	31.9	31.9
5-6 PM	2981	0.0	595	0.0	OFF	2981	0	595	0.00	0	56.0	56.0	56.0	32.4	32.4
6-7 PM	2619	0.0	523	0.0	OFF	2619	0	523	0.00	0	59.7	59.7	59.7	33.2	33.2
7-8 PM	2229	0.0	445	0.0	1499	1925	304	749	11.71	313	62.2	20.6	30.8	34.2	30.4
8-9 PM	1834	0.0	366	0.0	1499	1392	442	809	14.47	366	63.0	17.8	30.8	35.2	29.7
9-10 PM	1331	0.0	266	0.0	1499	1296	35	301	9.28	230	63.9	24.2	31.4	36.5	36.0
10-11 PM	890	0.0	178	0.0	1500	890	0	178	0.85	12	64.7	56.1	42.0	37.5	37.5
11PM-MID	623	0.0	125	0.0	1500	623	0	125	0.48	0	65.2	60.0	43.0	38.2	38.2

"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	0.0312
MAIN ROUTE WITH WORKS	0.0299
DIVERSION	0.0857

PIA: Personal Injury Accidents

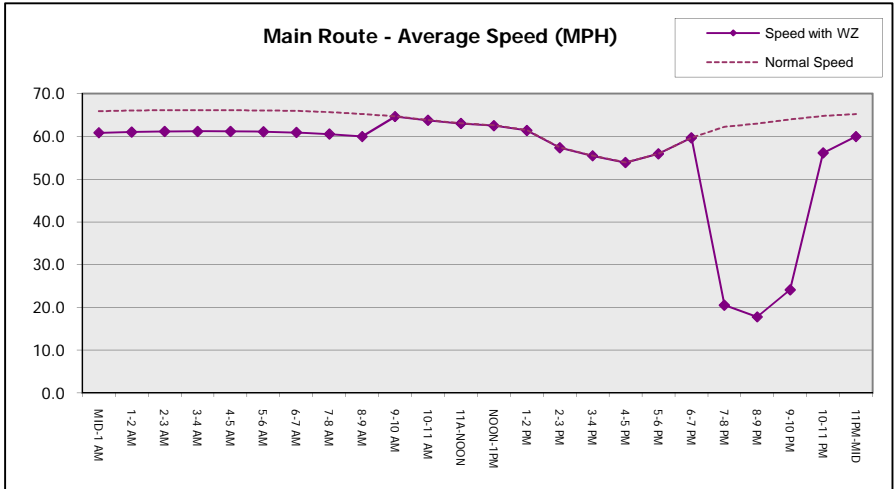
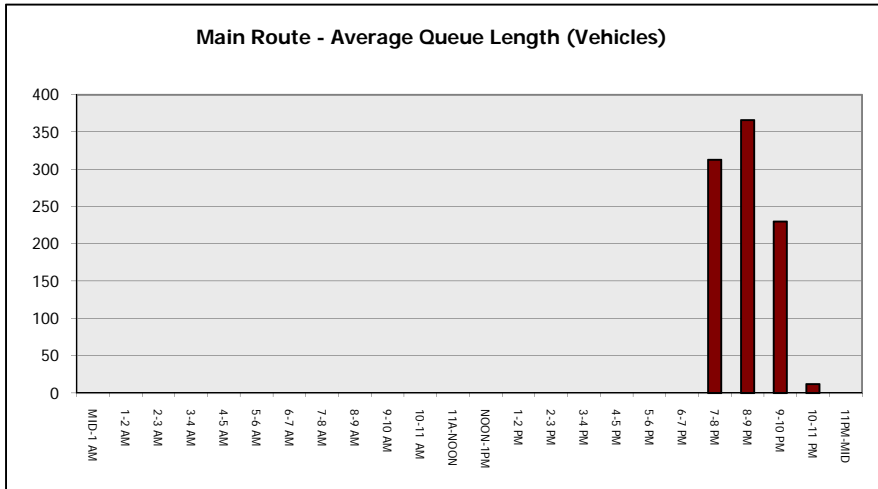
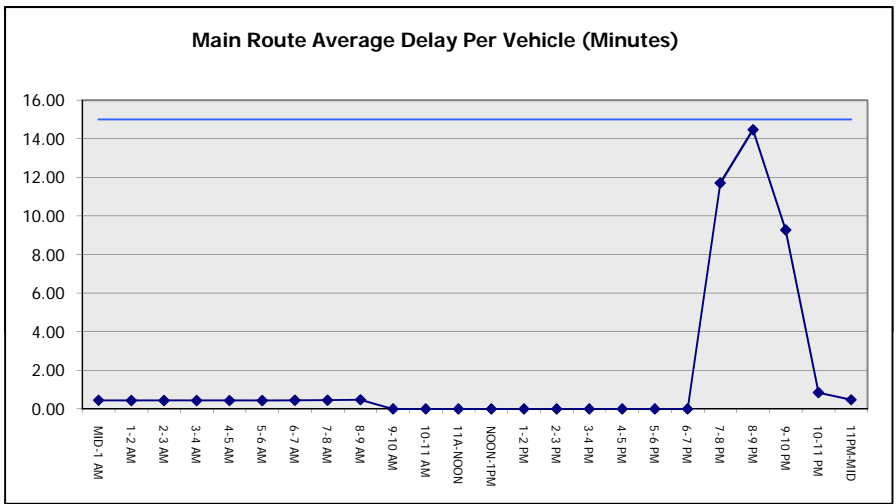
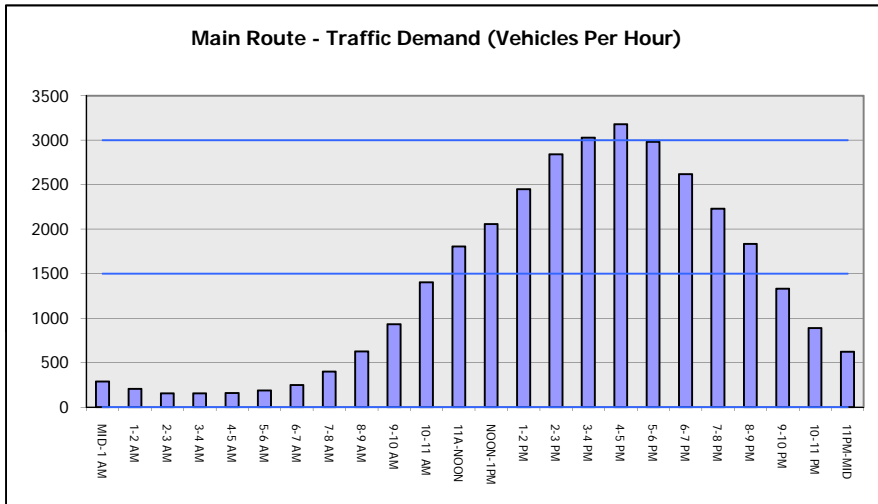
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$19,404
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
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	AUGUST
	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	281	0.0	57	0.0	1500	281	0	57	0.45	0	65.9	60.9	44.3	39.1	39.1
1-2 AM	185	0.0	37	0.0	1500	185	0	37	0.44	0	66.0	61.1	44.8	39.3	39.3
2-3 AM	140	0.0	28	0.0	1500	140	0	28	0.44	0	66.1	61.2	44.9	39.4	39.4
3-4 AM	119	0.0	24	0.0	1500	119	0	24	0.43	0	66.1	61.3	45.0	39.4	39.4
4-5 AM	126	0.0	25	0.0	1500	126	0	25	0.43	0	66.1	61.2	45.0	39.4	39.4
5-6 AM	198	0.0	40	0.0	1500	198	0	40	0.44	0	66.0	61.0	44.7	39.2	39.2
6-7 AM	416	0.0	83	0.0	1500	416	0	83	0.46	0	65.6	60.5	43.8	38.7	38.7
7-8 AM	704	0.0	140	0.0	1500	704	0	140	0.49	0	65.1	59.7	42.7	38.0	38.0
8-9 AM	1041	0.0	208	0.0	1499	1041	0	208	0.54	0	64.5	58.7	41.1	37.1	37.1
9-10 AM	1534	0.0	307	0.0	OFF	1534	0	307	0.00	0	63.5	63.5	63.5	36.0	36.0
10-11 AM	1971	0.0	393	0.0	OFF	1971	0	393	0.00	0	62.7	62.7	62.7	34.8	34.8
11A-NOON	2064	0.0	412	0.0	OFF	2064	0	412	0.00	0	62.5	62.5	62.5	34.7	34.7
NOON-1PM	2276	0.0	454	0.0	OFF	2276	0	454	0.00	0	62.2	62.2	62.2	34.1	34.1
1-2 PM	2230	0.0	445	0.0	OFF	2230	0	445	0.00	0	62.2	62.2	62.2	34.2	34.2
2-3 PM	2035	0.0	406	0.0	OFF	2035	0	406	0.00	0	62.6	62.6	62.6	34.7	34.7
3-4 PM	1957	0.0	391	0.0	OFF	1957	0	391	0.00	0	62.7	62.7	62.7	34.9	34.9
4-5 PM	1887	0.0	377	0.0	OFF	1887	0	377	0.00	0	62.8	62.8	62.8	35.1	35.1
5-6 PM	1652	0.0	330	0.0	OFF	1652	0	330	0.00	0	63.3	63.3	63.3	35.6	35.6
6-7 PM	1480	0.0	296	0.0	OFF	1480	0	296	0.00	0	63.7	63.7	63.7	36.1	36.1
7-8 PM	1248	0.0	249	0.0	1500	1248	0	249	0.70	0	64.1	56.9	36.9	36.6	36.6
8-9 PM	1043	0.0	208	0.0	1500	1043	0	208	0.52	0	64.5	58.9	41.5	37.1	37.1
9-10 PM	737	0.0	148	0.0	1500	737	0	148	0.49	0	65.0	59.7	42.6	37.9	37.9
10-11 PM	509	0.0	101	0.0	1500	509	0	101	0.47	0	65.5	60.2	43.5	38.5	38.5
11PM-MID	351	0.0	70	0.0	1500	351	0	70	0.46	0	65.7	60.7	44.1	38.9	38.9

"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	0.0250
MAIN ROUTE WITH WORKS	0.0245
DIVERSION	0.0614

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,080
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

