

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

MON-THUR 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	268	0.0	53	0.0	1500	268	0	53	0.45	0	65.9	60.9	44.4	39.1	39.1
1-2 AM	248	0.0	49	0.0	1500	248	0	49	0.45	0	66.0	60.9	44.5	39.1	39.1
2-3 AM	266	0.0	53	0.0	1500	266	0	53	0.45	0	65.9	60.9	44.4	39.1	39.1
3-4 AM	354	0.0	71	0.0	1500	354	0	71	0.46	0	65.7	60.7	44.1	38.9	38.9
4-5 AM	641	0.0	128	0.0	1500	641	0	128	0.48	0	65.2	59.9	43.0	38.1	38.1
5-6 AM	1116	0.0	223	0.0	1500	1116	0	223	0.53	0	64.3	58.7	41.3	36.9	36.9
6-7 AM	1265	0.0	252	0.0	1500	1265	0	252	0.72	0	64.0	56.8	36.5	36.6	36.6
7-8 AM	1209	0.0	242	0.0	1500	1209	0	242	0.65	0	64.1	57.5	38.1	36.8	36.8
8-9 AM	1109	0.0	222	0.0	1500	1109	0	222	0.53	0	64.3	58.7	41.3	37.0	37.0
9-10 AM	1046	0.0	209	0.0	1500	1046	0	209	0.52	0	64.5	58.9	41.5	37.1	37.1
10-11 AM	1077	0.0	216	0.0	1500	1077	0	216	0.53	0	64.4	58.8	41.4	37.1	37.1
11A-NOON	1118	0.0	223	0.0	1500	1118	0	223	0.53	0	64.3	58.7	41.2	36.9	36.9
NOON-1PM	1140	0.0	228	0.0	1500	1140	0	228	0.56	0	64.3	58.4	40.4	36.9	36.9
1-2 PM	1253	0.0	250	0.0	1500	1253	0	250	0.71	0	64.0	56.9	36.8	36.6	36.6
2-3 PM	1273	0.0	254	0.0	1500	1273	0	254	0.73	0	64.0	56.6	36.3	36.6	36.6
3-4 PM	1351	0.0	270	0.0	1500	1351	0	270	0.83	0	63.8	55.6	34.2	36.4	36.4
4-5 PM	1360	0.0	272	0.0	1500	1360	0	272	0.84	0	63.8	55.5	34.0	36.4	36.4
5-6 PM	1258	0.0	251	0.0	1500	1258	0	251	0.71	0	64.0	56.8	36.7	36.6	36.6
6-7 PM	1048	0.0	209	0.0	1500	1048	0	209	0.52	0	64.5	58.9	41.5	37.1	37.1
7-8 PM	861	0.0	172	0.0	1500	861	0	172	0.51	0	64.8	59.4	42.2	37.6	37.6
8-9 PM	717	0.0	143	0.0	1500	717	0	143	0.49	0	65.0	59.7	42.7	37.9	37.9
9-10 PM	610	0.0	121	0.0	1500	610	0	121	0.48	0	65.3	60.0	43.1	38.3	38.3
10-11 PM	455	0.0	91	0.0	1500	455	0	91	0.47	0	65.5	60.4	43.7	38.6	38.6
11PM-MID	319	0.0	64	0.0	1500	319	0	64	0.45	0	65.8	60.7	44.2	38.9	38.9

----- 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	0.0204
MAIN ROUTE WITH WORKS	0.0190
DIVERSION	0.0501

PIA: Personal Injury Accidents

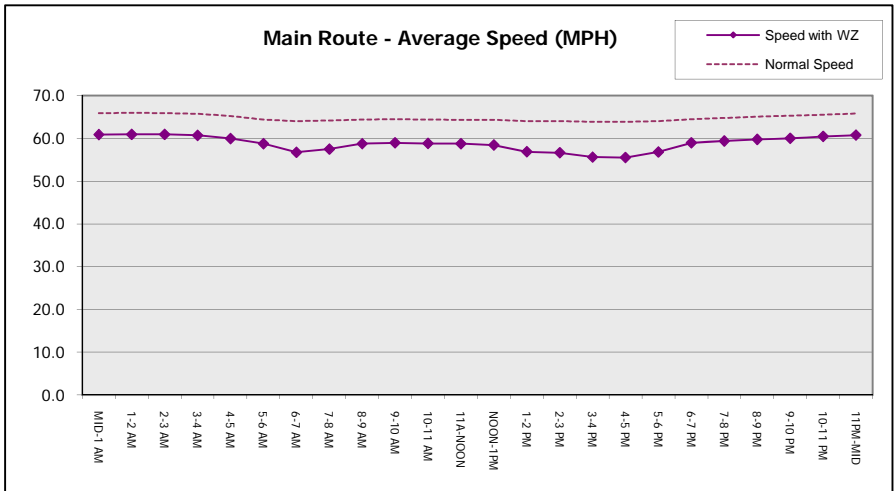
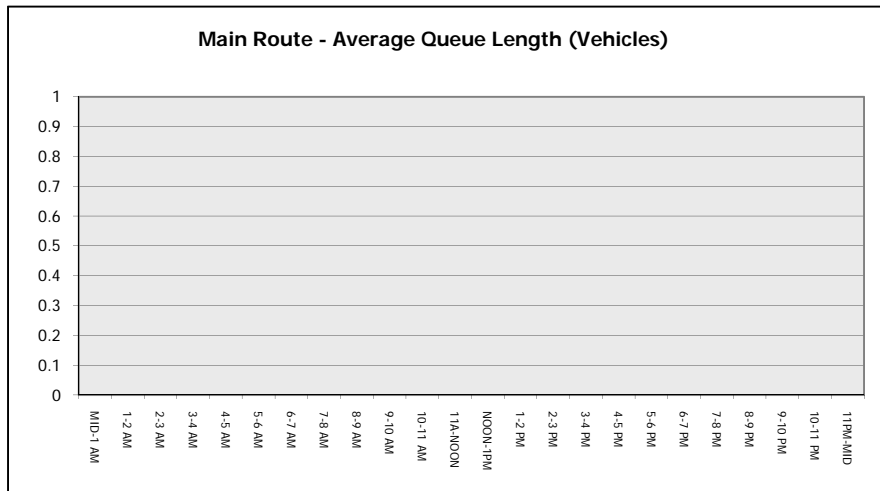
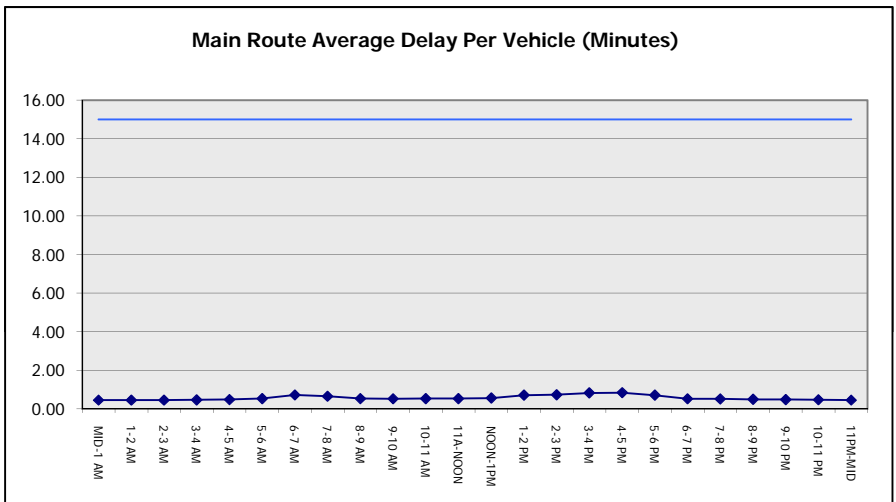
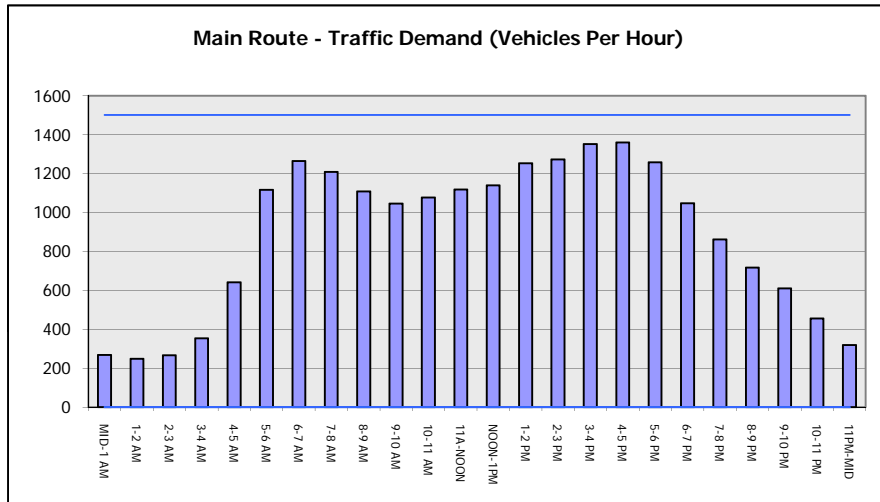
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,776
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



IH 94: STH 35 TO STH 65 (ST CROIX COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 65 - USH 12	OCTOBER
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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	273	0.0	54	0.0	1500	273	0	54	0.45	0	65.9	60.9	44.4	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	165	0.0	33	0.0	1500	165	0	33	0.44	0	66.1	61.2	44.8	39.3	39.3
3-4 AM	189	0.0	38	0.0	1500	189	0	38	0.44	0	66.0	61.1	44.7	39.2	39.2
4-5 AM	267	0.0	53	0.0	1500	267	0	53	0.45	0	65.9	60.9	44.4	39.1	39.1
5-6 AM	457	0.0	91	0.0	1500	457	0	91	0.47	0	65.5	60.4	43.7	38.6	38.6
6-7 AM	777	0.0	155	0.0	1500	777	0	155	0.50	0	65.0	59.6	42.5	37.8	37.8
7-8 AM	1019	0.0	203	0.0	1500	1019	0	203	0.52	0	64.5	59.0	41.6	37.2	37.2
8-9 AM	1067	0.0	213	0.0	1500	1067	0	213	0.53	0	64.4	58.9	41.4	37.1	37.1
9-10 AM	1225	0.0	245	0.0	1500	1225	0	245	0.67	0	64.1	57.3	37.7	36.7	36.7
10-11 AM	1305	0.0	261	0.0	1500	1305	0	261	0.77	0	64.0	56.3	35.4	36.5	36.5
11A-NOON	1279	0.0	255	0.0	1500	1279	0	255	0.74	0	64.0	56.6	36.1	36.6	36.6
NOON-1PM	1266	0.0	253	0.0	1500	1266	0	253	0.72	0	64.0	56.8	36.5	36.6	36.6
1-2 PM	1353	0.0	270	0.0	1499	1353	0	270	0.83	0	63.8	55.6	34.1	36.4	36.4
2-3 PM	1484	0.0	296	0.0	1499	1484	0	296	1.08	2	63.6	53.4	31.4	36.1	36.1
3-4 PM	1647	0.0	329	0.0	1500	1647	0	329	3.76	79	63.3	38.1	30.8	35.6	35.6
4-5 PM	1619	0.0	323	0.0	1499	1619	0	323	9.31	226	63.3	24.0	30.8	35.7	35.7
5-6 PM	1327	0.0	265	0.0	1499	1327	0	265	8.35	204	63.9	25.7	31.2	36.5	36.5
6-7 PM	1141	0.0	228	0.0	1500	1141	0	228	1.12	17	64.3	53.5	39.1	36.9	36.9
7-8 PM	874	0.0	175	0.0	1500	874	0	175	0.51	0	64.8	59.4	42.1	37.6	37.6
8-9 PM	725	0.0	144	0.0	1500	725	0	144	0.49	0	65.0	59.7	42.7	37.9	37.9
9-10 PM	641	0.0	128	0.0	1500	641	0	128	0.48	0	65.2	59.9	43.0	38.1	38.1
10-11 PM	530	0.0	106	0.0	1500	530	0	106	0.47	0	65.4	60.2	43.4	38.4	38.4
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

----- 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	0.0202
MAIN ROUTE WITH WORKS	0.0188
DIVERSION	0.0496

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$9,334
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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MON-THUR EASTBOUND DIRECTION

