

IH 94: STH 35 TO STH 65 (ST CROIX COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 65 - USH 12	MAY
	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	340	0.0	68	0.0	1500	340	0	68	0.46	0	65.8	60.7	44.2	38.9	38.9
1-2 AM	318	0.0	64	0.0	1500	318	0	64	0.45	0	65.8	60.7	44.2	38.9	38.9
2-3 AM	307	0.0	62	0.0	1500	307	0	62	0.45	0	65.8	60.8	44.3	39.0	39.0
3-4 AM	350	0.0	70	0.0	1500	350	0	70	0.46	0	65.7	60.7	44.1	38.9	38.9
4-5 AM	572	0.0	114	0.0	1500	572	0	114	0.48	0	65.3	60.1	43.2	38.3	38.3
5-6 AM	982	0.0	196	0.0	1500	982	0	196	0.52	0	64.6	59.1	41.7	37.3	37.3
6-7 AM	1313	0.0	263	0.0	1500	1313	0	263	0.78	0	64.0	56.1	35.1	36.5	36.5
7-8 AM	1305	0.0	261	0.0	1500	1305	0	261	0.77	0	64.0	56.3	35.4	36.5	36.5
8-9 AM	1197	0.0	239	0.0	1500	1197	0	239	0.63	0	64.1	57.6	38.6	36.8	36.8
9-10 AM	1238	0.0	247	0.0	1500	1238	0	247	0.69	0	64.1	57.1	37.3	36.7	36.7
10-11 AM	1283	0.0	256	0.0	1500	1283	0	256	0.74	0	64.0	56.5	36.0	36.6	36.6
11A-NOON	1400	0.0	279	0.0	1499	1400	0	279	0.89	0	63.8	55.0	33.0	36.3	36.3
NOON-1PM	1567	0.0	313	0.0	1499	1567	0	313	1.79	22	63.5	48.2	30.8	35.8	35.8
1-2 PM	1751	0.0	350	0.0	1500	1751	0	350	7.39	184	63.1	27.5	30.8	35.4	35.4
2-3 PM	1806	0.0	361	0.0	1499	1520	286	647	13.19	329	63.0	19.1	30.8	35.3	31.7
3-4 PM	1915	0.0	382	0.0	1500	1527	388	770	14.13	355	62.8	18.1	30.8	35.0	30.2
4-5 PM	1936	0.0	386	0.0	1499	1501	435	822	14.56	367	62.8	17.8	30.8	35.0	29.6
5-6 PM	1853	0.0	371	0.0	1499	1471	381	752	14.00	351	62.9	18.3	30.8	35.1	30.4
6-7 PM	1614	0.0	322	0.0	1499	1442	172	495	12.16	301	63.4	20.2	30.8	35.8	33.6
7-8 PM	1339	0.0	268	0.0	1499	1337	2	270	8.57	208	63.9	25.3	30.9	36.4	36.4
8-9 PM	1220	0.0	244	0.0	1500	1220	0	244	1.54	27	64.1	50.3	36.6	36.7	36.7
9-10 PM	1037	0.0	207	0.0	1500	1037	0	207	0.52	0	64.5	58.9	41.5	37.2	37.2
10-11 PM	829	0.0	165	0.0	1500	829	0	165	0.50	0	64.8	59.4	42.3	37.7	37.7
11PM-MID	541	0.0	108	0.0	1500	541	0	108	0.47	0	65.4	60.2	43.3	38.4	38.4

----- 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	0.0268
MAIN ROUTE WITH WORKS	0.0234
DIVERSION	0.0853

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$42,114
CONGESTED HOURS PER DAY*	0

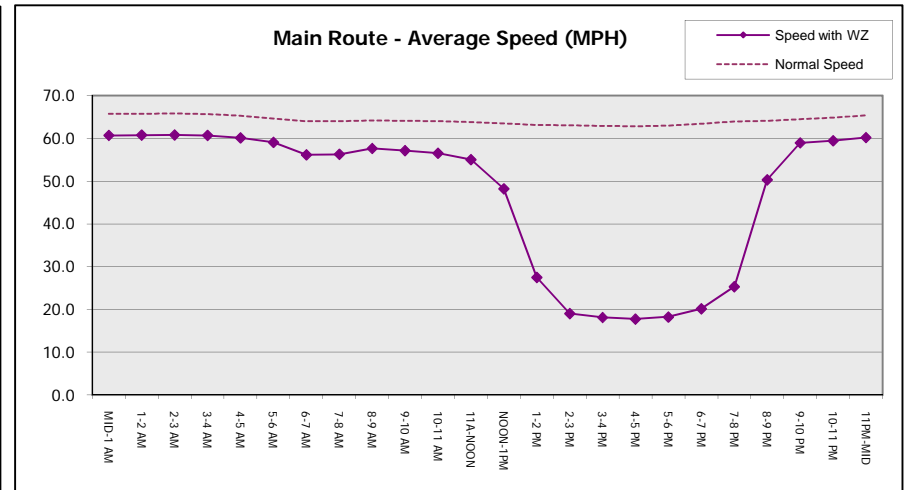
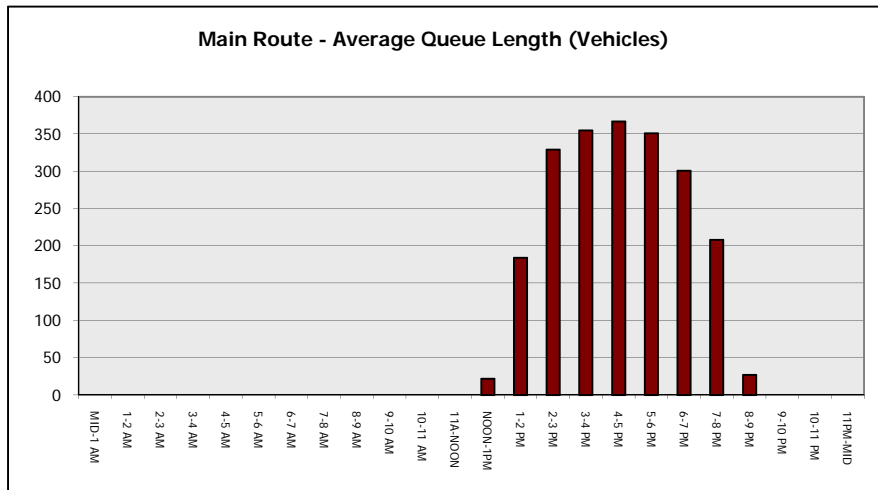
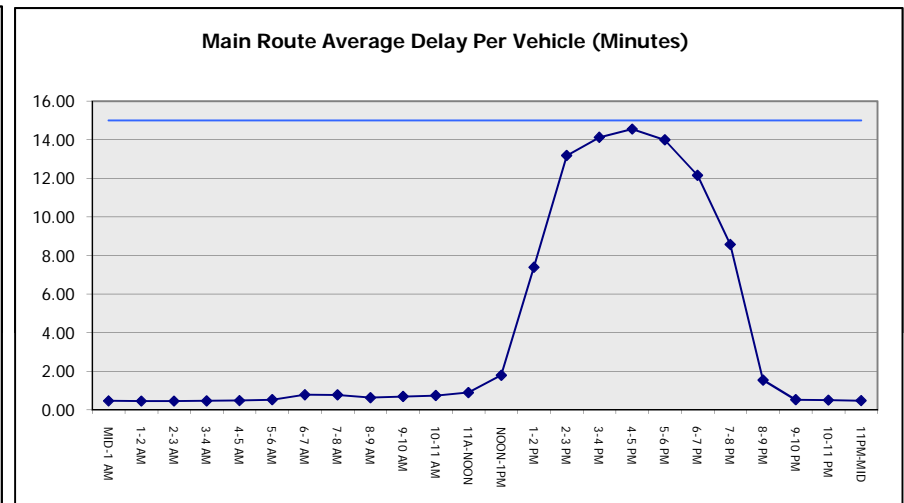
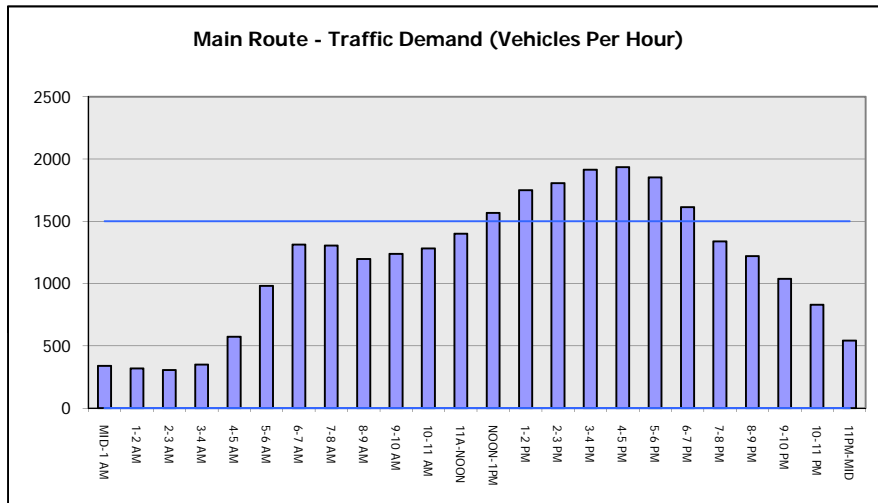
*Delays Exceeding 15 Minutes

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

MAY
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	MAY
	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	329	0.0	66	0.0	1500	329	0	66	0.45	0	65.8	60.7	44.2	38.9	38.9
1-2 AM	213	0.0	43	0.0	1500	213	0	43	0.44	0	66.0	61.0	44.6	39.2	39.2
2-3 AM	209	0.0	42	0.0	1500	209	0	42	0.44	0	66.0	61.0	44.6	39.2	39.2
3-4 AM	203	0.0	41	0.0	1500	203	0	41	0.44	0	66.0	61.0	44.6	39.2	39.2
4-5 AM	301	0.0	61	0.0	1500	301	0	61	0.45	0	65.8	60.8	44.3	39.0	39.0
5-6 AM	468	0.0	93	0.0	1500	468	0	93	0.47	0	65.5	60.4	43.7	38.6	38.6
6-7 AM	789	0.0	158	0.0	1500	789	0	158	0.50	0	64.9	59.6	42.4	37.8	37.8
7-8 AM	1183	0.0	237	0.0	1500	1183	0	237	0.61	0	64.2	57.8	39.0	36.8	36.8
8-9 AM	1335	0.0	267	0.0	1499	1335	0	267	0.81	0	63.9	55.9	34.7	36.5	36.5
9-10 AM	1666	0.0	333	0.0	1499	1666	0	333	3.22	67	63.3	40.4	30.8	35.6	35.6
10-11 AM	1845	0.0	368	0.0	1500	1683	161	530	11.56	292	63.0	20.8	30.8	35.1	33.2
11A-NOON	1922	0.0	384	0.0	1499	1520	402	786	14.27	359	62.8	18.0	30.8	35.0	30.0
NOON-1PM	2041	0.0	407	0.0	1500	1541	500	907	15.30	387	62.6	17.1	30.8	34.7	28.5
1-2 PM	2348	0.0	469	0.0	1500	1606	742	1210+	18.46	475	62.0	14.8	30.8	33.9	24.7
2-3 PM	2366	0.0	472	0.0	1499	1510	856	1328+	19.98	515	62.0	14.0	30.8	33.9	23.2
3-4 PM	2600	0.0	519	0.0	1500	1612	989	1508+	22.51	590	59.9	12.6	30.8	33.3	21.0
4-5 PM	2650	0.0	530	0.0	1499	1530	1120	1650+	25.08	659	59.4	11.6	30.8	33.2	19.3
5-6 PM	2545	0.0	509	0.0	1499	1442	1103	1612+	24.43	639	60.4	11.9	30.8	33.4	19.7
6-7 PM	2442	0.0	488	0.0	1500	1422	1020	1508+	22.67	589	61.5	12.6	30.8	33.7	21.0
7-8 PM	1698	0.0	339	0.0	1499	1245	454	793	14.36	369	63.2	17.9	30.8	35.5	29.9
8-9 PM	1138	0.0	227	0.0	1499	1138	0	227	4.36	130	64.3	36.1	35.9	36.9	36.9
9-10 PM	840	0.0	167	0.0	1500	840	0	167	0.50	0	64.8	59.4	42.2	37.7	37.7
10-11 PM	690	0.0	138	0.0	1500	690	0	138	0.49	0	65.1	59.8	42.8	38.0	38.0
11PM-MID	518	0.0	104	0.0	1500	518	0	104	0.47	0	65.4	60.2	43.4	38.4	38.4

+ 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	0.0309
MAIN ROUTE WITH WORKS	0.0222
DIVERSION	0.1622

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$117,337
CONGESTED HOURS PER DAY*	7

*Delays Exceeding 15 Minutes

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

MAY
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

