

IH 94: STH 73 TO STH 26 (DANE AND JEFFERSON COUNTIES) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 73 - USH 12 - USH 18 - STH 89	AUGUST Analyzed for 2009 Construction Season
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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	275	0.0	37	0.0	OFF	275	0	37	0.00	0	65.9	65.9	65.9	34.4	34.4
1-2 AM	178	0.0	24	0.0	OFF	178	0	24	0.00	0	66.1	66.1	66.1	34.5	34.5
2-3 AM	136	0.0	18	0.0	OFF	136	0	18	0.00	0	66.1	66.1	66.1	34.6	34.6
3-4 AM	98	0.0	14	0.0	OFF	98	0	14	0.00	0	66.2	66.2	66.2	34.7	34.7
4-5 AM	139	0.0	19	0.0	OFF	139	0	19	0.00	0	66.1	66.1	66.1	34.6	34.6
5-6 AM	272	0.0	37	0.0	OFF	272	0	37	0.00	0	65.9	65.9	65.9	34.4	34.4
6-7 AM	502	0.0	67	0.0	OFF	502	0	67	0.00	0	65.5	65.5	65.5	34.0	34.0
7-8 AM	917	0.0	122	0.0	OFF	917	0	122	0.00	0	64.7	64.7	64.7	33.4	33.4
8-9 AM	1377	0.0	183	0.0	1499	1377	0	183	0.86	0	63.8	58.0	33.7	32.8	32.8
9-10 AM	1787	0.0	239	0.0	1499	1787	0	239	5.13	126	63.0	39.6	30.8	32.2	32.2
10-11 AM	1940	0.0	258	0.0	1500	1940	0	258	19.00	506	62.8	19.7	30.8	31.9	31.9
11A-NOON	1804	0.0	241	0.0	1499	1804	0	241	33.74	889	63.0	12.9	30.8	32.2	32.2
NOON-1PM	1617	0.0	216	0.0	1499	1507	109	325	39.80	1046	63.4	11.3	30.8	32.4	31.2
1-2 PM	1499	0.0	200	0.0	1499	1450	50	250	38.59	1013	63.6	11.6	30.8	32.6	32.0
2-3 PM	1417	0.0	188	0.0	1499	1417	0	188	36.30	951	63.7	12.2	30.8	32.7	32.7
3-4 PM	1353	0.0	180	0.0	1499	1353	0	180	31.90	833	63.8	13.5	30.8	32.8	32.8
4-5 PM	1370	0.0	182	0.0	1499	1370	0	182	26.88	697	63.8	15.4	30.8	32.8	32.8
5-6 PM	1199	0.0	160	0.0	1499	1199	0	160	18.83	488	64.1	20.0	30.8	33.0	33.0
6-7 PM	1025	0.0	137	0.0	OFF	1025	0	137	0.35	17	64.5	61.9	61.9	33.3	33.3
7-8 PM	876	0.0	116	0.0	OFF	876	0	116	0.00	0	64.8	64.8	64.8	33.5	33.5
8-9 PM	806	0.0	108	0.0	OFF	806	0	108	0.00	0	64.9	64.9	64.9	33.6	33.6
9-10 PM	780	0.0	104	0.0	OFF	780	0	104	0.00	0	65.0	65.0	65.0	33.7	33.7
10-11 PM	718	0.0	95	0.0	OFF	718	0	95	0.00	0	65.0	65.0	65.0	33.7	33.7
11PM-MID	486	0.0	65	0.0	OFF	486	0	65	0.00	0	65.5	65.5	65.5	34.1	34.1

"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	0.0327
MAIN ROUTE WITH WORKS	0.0315
DIVERSION	0.0938

PIA: Personal Injury Accidents

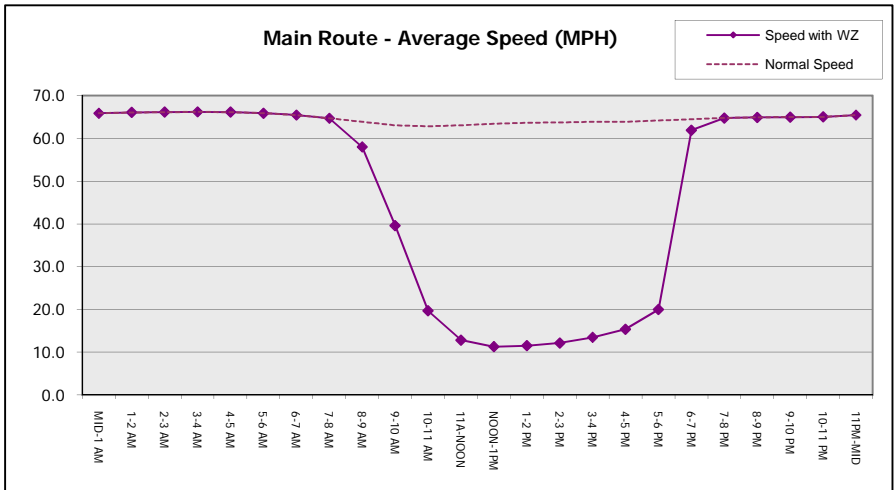
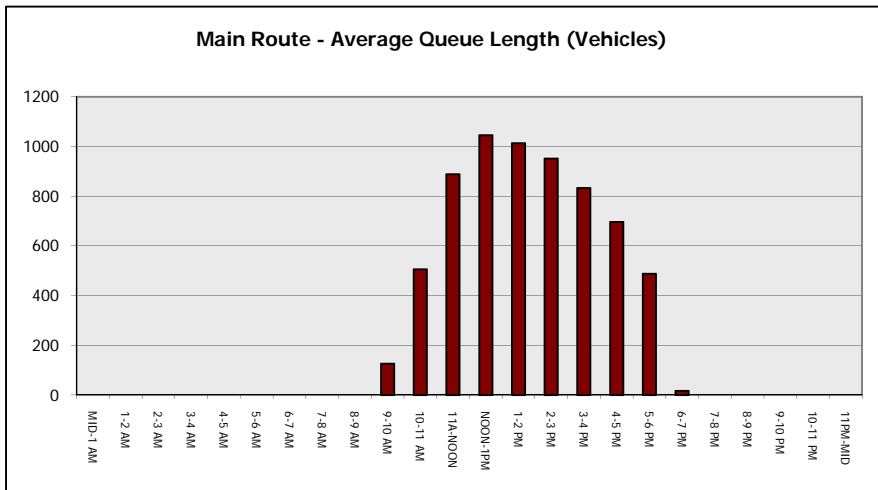
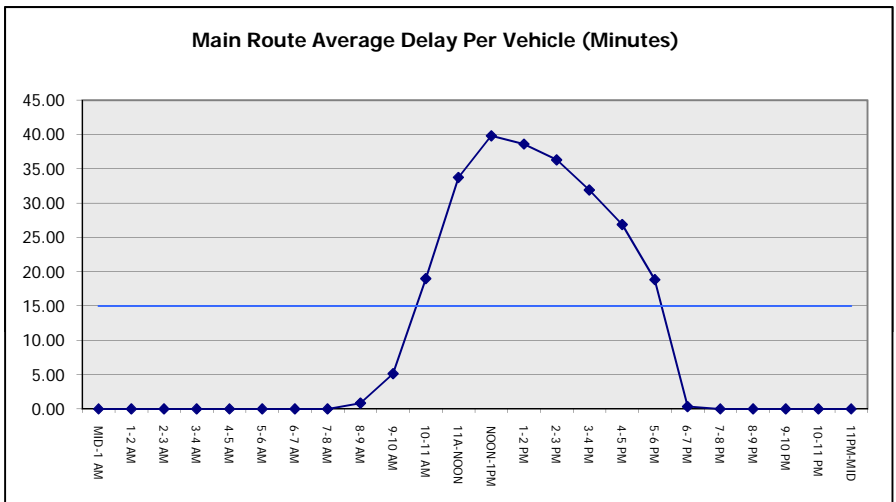
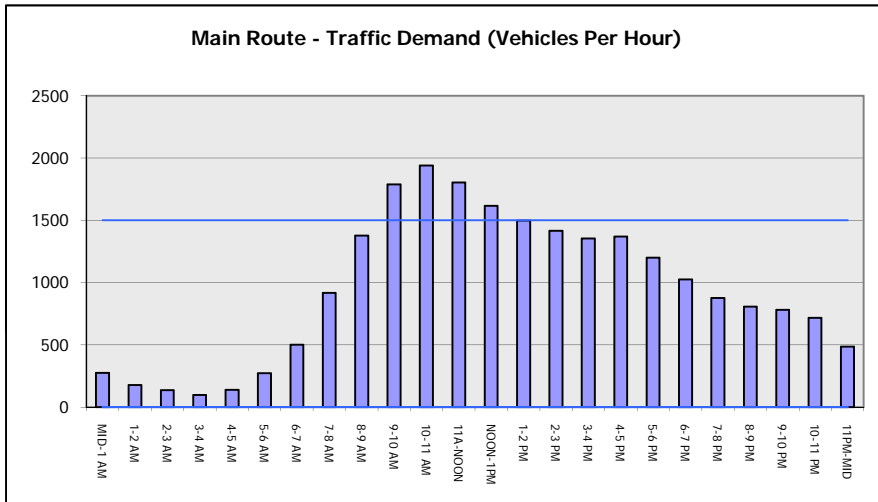
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$103,463
CONGESTED HOURS PER DAY*	8

*Delays Exceeding 15 Minutes

IH 94: STH 73 TO STH 26 (DANE AND JEFFERSON COUNTIES)
OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: STH 73 - USH 12 - USH 18 - STH 89

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



IH 94: STH 73 TO STH 26 (DANE AND JEFFERSON COUNTIES) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 73 - USH 12 - USH 18 - STH 89	AUGUST
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SUMMARY OF TRAFFIC MODEL OUTPUT	
SATURDAY	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		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	248	0.0	33	0.0	OFF	248	0	33	0.00	0	66.0	66.0	66.0	34.4	34.4
1-2 AM	127	0.0	17	0.0	OFF	127	0	17	0.00	0	66.1	66.1	66.1	34.6	34.6
2-3 AM	113	0.0	15	0.0	OFF	113	0	15	0.00	0	66.2	66.2	66.2	34.6	34.6
3-4 AM	108	0.0	15	0.0	OFF	108	0	15	0.00	0	66.2	66.2	66.2	34.6	34.6
4-5 AM	143	0.0	19	0.0	OFF	143	0	19	0.00	0	66.1	66.1	66.1	34.6	34.6
5-6 AM	206	0.0	27	0.0	OFF	206	0	27	0.00	0	66.0	66.0	66.0	34.5	34.5
6-7 AM	318	0.0	43	0.0	OFF	318	0	43	0.00	0	65.8	65.8	65.8	34.3	34.3
7-8 AM	509	0.0	68	0.0	OFF	509	0	68	0.00	0	65.5	65.5	65.5	34.0	34.0
8-9 AM	764	0.0	102	0.0	1500	764	0	102	0.50	0	65.0	61.4	42.5	33.7	33.7
9-10 AM	1038	0.0	138	0.0	1500	1038	0	138	0.52	0	64.5	60.7	41.5	33.3	33.3
10-11 AM	1314	0.0	175	0.0	1499	1314	0	175	0.78	0	64.0	58.6	35.2	32.9	32.9
11A-NOON	1503	0.0	200	0.0	1499	1503	0	200	1.20	5	63.6	55.8	31.2	32.6	32.6
NOON-1PM	1653	0.0	220	0.0	1500	1653	0	220	4.27	92	63.3	42.4	30.8	32.4	32.4
1-2 PM	1709	0.0	228	0.0	1500	1709	0	228	11.12	279	63.2	27.6	30.8	32.3	32.3
2-3 PM	1671	0.0	223	0.0	1499	1671	0	223	18.47	474	63.3	20.1	30.8	32.4	32.4
3-4 PM	1559	0.0	207	0.0	1499	1559	0	207	22.66	584	63.5	17.5	30.8	32.5	32.5
4-5 PM	1698	0.0	226	0.0	1500	1698	0	226	27.49	717	63.2	15.1	30.8	32.3	32.3
5-6 PM	1428	0.0	190	0.0	1500	1428	0	190	30.46	793	63.7	14.0	30.8	32.7	32.7
6-7 PM	1157	0.0	154	0.0	OFF	1157	0	154	1.64	96	64.2	53.8	53.8	33.1	33.1
7-8 PM	1024	0.0	136	0.0	OFF	1024	0	136	0.00	0	64.5	64.5	64.5	33.3	33.3
8-9 PM	956	0.0	128	0.0	OFF	956	0	128	0.00	0	64.6	64.6	64.6	33.3	33.3
9-10 PM	830	0.0	111	0.0	OFF	830	0	111	0.00	0	64.8	64.8	64.8	33.5	33.5
10-11 PM	645	0.0	86	0.0	OFF	645	0	86	0.00	0	65.2	65.2	65.2	33.8	33.8
11PM-MID	466	0.0	62	0.0	OFF	466	0	62	0.00	0	65.5	65.5	65.5	34.1	34.1

"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	0.0307
MAIN ROUTE WITH WORKS	0.0297
DIVERSION	0.0835

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$50,590
CONGESTED HOURS PER DAY*	4

*Delays Exceeding 15 Minutes

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OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: STH 73 - USH 12 - USH 18 - STH 89

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

