

<b>IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)</b> <b>NIGHTTIME CLOSURE</b> <b>DIVERSION ROUTE: USH 51 - STH 60</b>	<b>AUGUST</b>
	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	261	0.0	68	0.0	3000	261	0	68	0.36	0	70.2	67.9	49.7	38.9	38.9
1-2 AM	186	0.0	49	0.0	3000	186	0	49	0.36	0	70.2	67.9	49.7	39.1	39.1
2-3 AM	130	0.0	35	0.0	3000	130	0	35	0.36	0	70.2	67.9	49.7	39.3	39.3
3-4 AM	110	0.0	28	0.0	3000	110	0	28	0.36	0	70.2	67.9	49.7	39.4	39.4
4-5 AM	117	0.0	30	0.0	3000	117	0	30	0.36	0	70.2	67.9	49.7	39.4	39.4
5-6 AM	178	0.0	46	0.0	3000	178	0	46	0.36	0	70.2	67.9	49.7	39.2	39.2
6-7 AM	309	0.0	82	0.0	3000	309	0	82	0.36	0	70.2	67.9	49.7	38.8	38.8
7-8 AM	578	0.0	152	0.0	3000	578	0	152	0.36	0	70.0	67.8	49.7	37.9	37.9
8-9 AM	1101	0.0	289	0.0	3000	1101	0	289	0.35	0	69.4	67.3	49.7	36.1	36.1
9-10 AM	1763	0.0	463	0.0	OFF	1763	0	463	0.00	0	68.6	68.6	68.6	34.0	34.0
10-11 AM	2388	0.0	627	0.0	OFF	2388	0	627	0.00	0	67.8	67.8	67.8	32.0	32.0
11A-NOON	2747	0.0	721	0.0	OFF	2747	0	721	0.00	0	67.3	67.3	67.3	30.8	30.8
NOON-1PM	2835	0.0	744	0.0	OFF	2835	0	744	0.00	0	67.2	67.2	67.2	30.5	30.5
1-2 PM	2888	0.0	758	0.0	OFF	2888	0	758	0.00	0	67.1	67.1	67.1	30.3	30.3
2-3 PM	2838	0.0	745	0.0	OFF	2838	0	745	0.00	0	67.2	67.2	67.2	30.5	30.5
3-4 PM	2551	0.0	670	0.0	OFF	2551	0	670	0.00	0	67.6	67.6	67.6	31.4	31.4
4-5 PM	2313	0.0	607	0.0	OFF	2313	0	607	0.00	0	67.9	67.9	67.9	32.2	32.2
5-6 PM	2034	0.0	534	0.0	OFF	2034	0	534	0.00	0	68.2	68.2	68.2	33.1	33.1
6-7 PM	1669	0.0	438	0.0	OFF	1669	0	438	0.00	0	68.7	68.7	68.7	34.3	34.3
7-8 PM	1359	0.0	357	0.0	3000	1359	0	357	0.34	0	69.1	66.9	49.7	35.3	35.3
8-9 PM	1080	0.0	284	0.0	3000	1080	0	284	0.35	0	69.4	67.3	49.7	36.2	36.2
9-10 PM	830	0.0	218	0.0	3000	830	0	218	0.35	0	69.7	67.6	49.7	37.0	37.0
10-11 PM	593	0.0	156	0.0	3000	593	0	156	0.36	0	70.0	67.8	49.7	37.8	37.8
11PM-MID	400	0.0	105	0.0	3000	400	0	105	0.36	0	70.2	67.9	49.7	38.4	38.4

"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	0.0637
MAIN ROUTE WITH WORKS	0.0632
DIVERSION	0.1773

PIA: Personal Injury Accidents

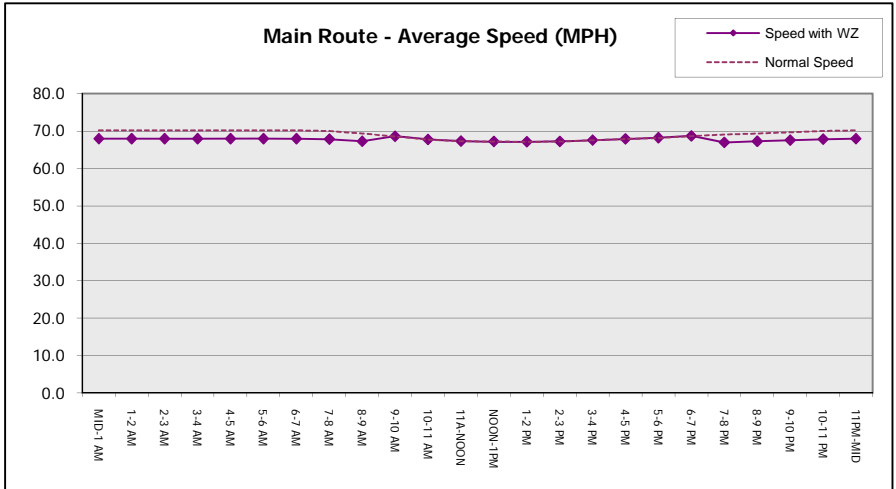
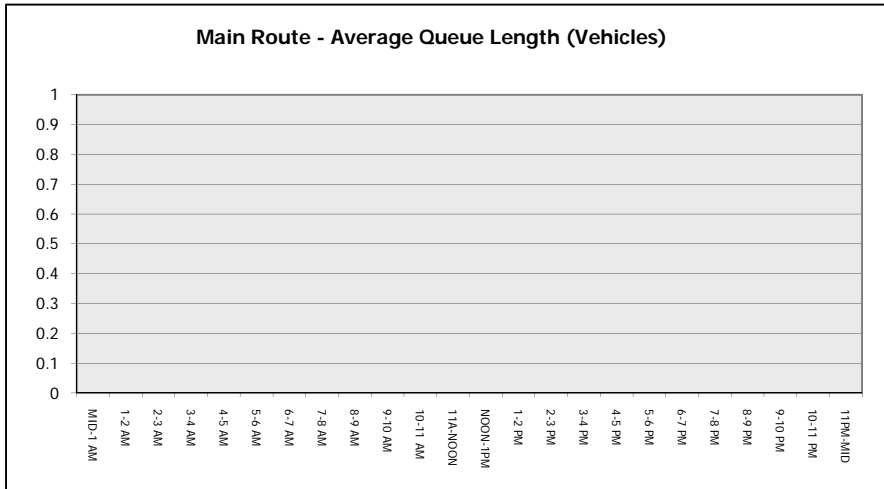
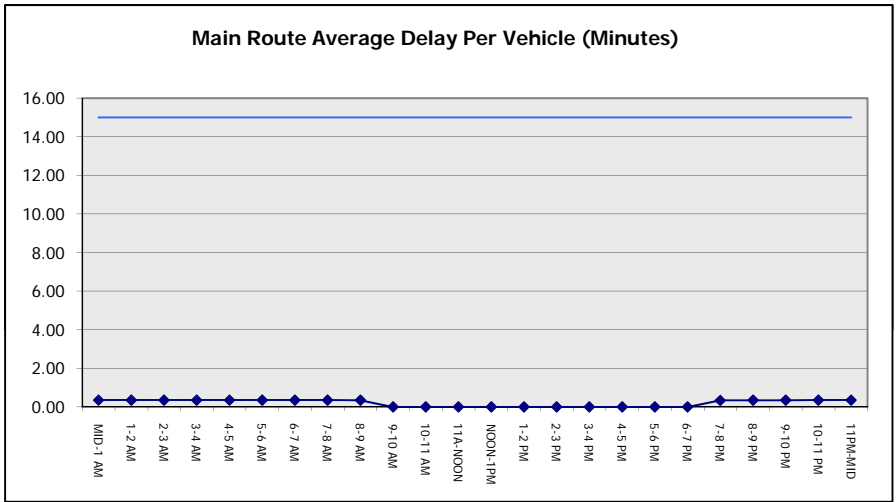
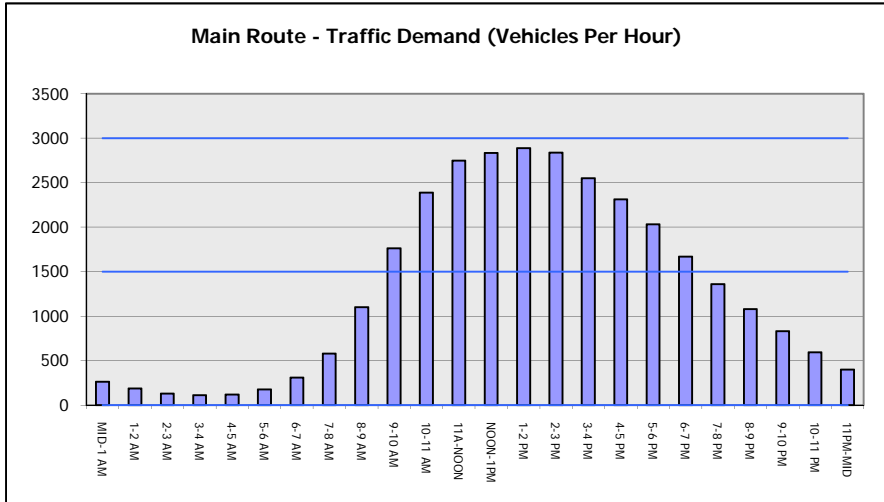
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$570
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)**  
**NIGHTTIME CLOSURE**  
**DIVERSION ROUTE: USH 51 - STH 60**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY WESTBOUND DIRECTION**



<b>IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES) NIGHTTIME CLOSURE DIVERSION ROUTE: USH 51 - STH 60</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
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	378	0.0	99	0.0	3000	378	0	99	0.36	0	70.2	67.9	49.7	38.5	38.5
1-2 AM	292	0.0	76	0.0	3000	292	0	76	0.36	0	70.2	67.9	49.7	38.8	38.8
2-3 AM	248	0.0	65	0.0	3000	248	0	65	0.36	0	70.2	67.9	49.7	38.9	38.9
3-4 AM	193	0.0	50	0.0	3000	193	0	50	0.36	0	70.2	67.9	49.7	39.1	39.1
4-5 AM	187	0.0	49	0.0	3000	187	0	49	0.36	0	70.2	67.9	49.7	39.1	39.1
5-6 AM	226	0.0	60	0.0	3000	226	0	60	0.36	0	70.2	67.9	49.7	39.0	39.0
6-7 AM	317	0.0	83	0.0	3000	317	0	83	0.36	0	70.2	67.9	49.7	38.7	38.7
7-8 AM	542	0.0	142	0.0	3000	542	0	142	0.36	0	70.0	67.8	49.7	38.0	38.0
8-9 AM	1008	0.0	265	0.0	3000	1008	0	265	0.35	0	69.5	67.3	49.7	36.5	36.5
9-10 AM	1859	0.0	488	0.0	OFF	1859	0	488	0.00	0	68.4	68.4	68.4	33.7	33.7
10-11 AM	2843	0.0	746	0.0	OFF	2843	0	746	0.00	0	67.2	67.2	67.2	30.5	30.5
11A-NOON	3656	0.0	960	0.0	OFF	3656	0	960	0.00	0	65.9	65.9	65.9	27.8	27.8
NOON-1PM	4072	0.0	1068	0.0	OFF	4072	0	1068	0.00	0	63.0	63.0	63.0	26.5	26.5
1-2 PM	3987	0.0	1046	0.0	OFF	3987	0	1046	0.00	0	63.6	63.6	63.6	26.8	26.8
2-3 PM	3933	0.0	1032	0.0	OFF	3933	0	1032	0.00	0	64.0	64.0	64.0	27.0	27.0
3-4 PM	3948	0.0	1036	0.0	OFF	3948	0	1036	0.00	0	63.9	63.9	63.9	26.9	26.9
4-5 PM	4075	0.0	1069	0.0	OFF	4075	0	1069	0.00	0	63.0	63.0	63.0	26.5	26.5
5-6 PM	3594	0.0	944	0.0	OFF	3594	0	944	0.00	0	66.3	66.3	66.3	28.0	28.0
6-7 PM	3436	0.0	902	0.0	OFF	3436	0	902	0.00	0	66.4	66.4	66.4	28.6	28.6
7-8 PM	2961	0.0	777	0.0	2999	2961	0	777	1.04	20	67.1	61.5	38.5	30.1	30.1
8-9 PM	2297	0.0	603	0.0	3000	2297	0	603	0.33	0	67.9	66.0	49.7	32.2	32.2
9-10 PM	1498	0.0	393	0.0	3000	1498	0	393	0.34	0	68.9	66.8	49.7	34.8	34.8
10-11 PM	976	0.0	256	0.0	3000	976	0	256	0.35	0	69.5	67.4	49.7	36.6	36.6
11PM-MID	588	0.0	155	0.0	3000	588	0	155	0.36	0	70.0	67.8	49.7	37.8	37.8

"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	0.0960
MAIN ROUTE WITH WORKS	0.0952
DIVERSION	0.2673

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,368
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)**  
**NIGHTTIME CLOSURE**  
**DIVERSION ROUTE: USH 51 - STH 60**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY EASTBOUND DIRECTION**

