

<b>USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)</b> <b>NIGHTTIME 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51</b>	<b>MAY</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	431	0.0	256	0.0	1500	431	0	256	0.53	0	70.2	48.7	43.8	38.4	38.4
1-2 AM	290	0.0	172	0.0	1500	290	0	172	0.51	0	70.2	49.2	44.3	38.9	38.9
2-3 AM	262	0.0	156	0.0	1500	262	0	156	0.50	0	70.2	49.4	44.5	38.9	38.9
3-4 AM	163	0.0	97	0.0	1500	163	0	97	0.49	0	70.2	49.7	44.8	39.2	39.2
4-5 AM	127	0.0	75	0.0	1500	127	0	75	0.49	0	70.2	49.8	45.0	39.4	39.4
5-6 AM	222	0.0	132	0.0	1500	222	0	132	0.50	0	70.2	49.5	44.6	39.1	39.1
6-7 AM	480	0.0	285	0.0	1500	480	0	285	0.53	0	70.1	48.6	43.6	38.3	38.3
7-8 AM	537	0.0	318	0.0	1500	537	0	318	0.54	0	70.0	48.4	43.3	38.1	38.1
8-9 AM	893	0.0	531	0.0	1500	893	0	531	0.58	0	69.6	47.1	42.0	37.0	37.0
9-10 AM	1307	0.0	776	0.0	OFF	1307	0	776	0.00	0	69.1	69.1	69.1	35.8	35.8
10-11 AM	1677	0.0	996	0.0	OFF	1677	0	996	0.00	0	68.6	68.6	68.6	34.7	34.7
11A-NOON	2026	0.0	1203	0.0	OFF	2026	0	1203+	0.00	0	68.2	68.2	68.2	33.5	33.5
NOON-1PM	2293	0.0	1361	0.0	OFF	2293	0	1361+	0.00	0	67.9	67.9	67.9	32.7	32.7
1-2 PM	2154	0.0	1280	0.0	OFF	2154	0	1280+	0.00	0	68.1	68.1	68.1	33.2	33.2
2-3 PM	2137	0.0	1269	0.0	OFF	2137	0	1269+	0.00	0	68.1	68.1	68.1	33.2	33.2
3-4 PM	2172	0.0	1290	0.0	OFF	2172	0	1290+	0.00	0	68.1	68.1	68.1	33.1	33.1
4-5 PM	2115	0.0	1256	0.0	OFF	2115	0	1256+	0.00	0	68.1	68.1	68.1	33.3	33.3
5-6 PM	2050	0.0	1217	0.0	OFF	2050	0	1217+	0.00	0	68.2	68.2	68.2	33.5	33.5
6-7 PM	1875	0.0	1113	0.0	OFF	1875	0	1113	0.00	0	68.4	68.4	68.4	34.0	34.0
7-8 PM	1542	0.0	916	0.0	1499	1542	0	916	2.49	37	68.8	22.6	30.8	35.0	35.0
8-9 PM	1348	0.0	800	0.0	1500	1348	0	801	1.18	9	69.1	35.1	33.9	35.6	35.6
9-10 PM	1114	0.0	661	0.0	1500	1114	0	661	0.60	0	69.4	46.4	41.3	36.3	36.3
10-11 PM	965	0.0	572	0.0	1500	965	0	572	0.58	0	69.6	46.9	41.8	36.8	36.8
11PM-MID	484	0.0	288	0.0	1500	484	0	288	0.53	0	70.1	48.6	43.6	38.3	38.3

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- 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	0.0064
MAIN ROUTE WITH WORKS	0.0058
DIVERSION	0.0263

PIA: Personal Injury Accidents

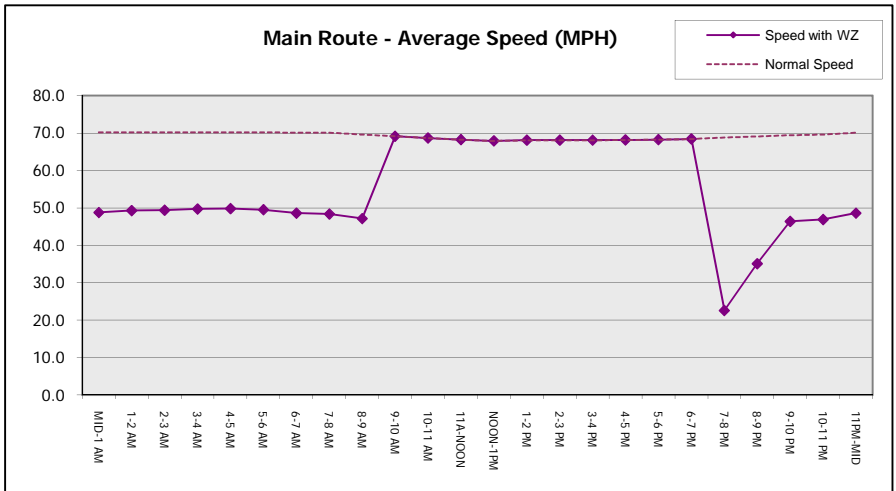
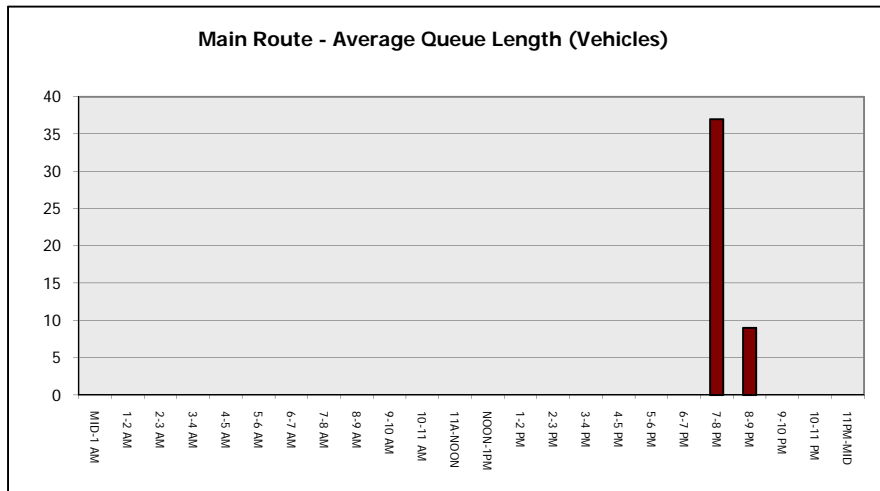
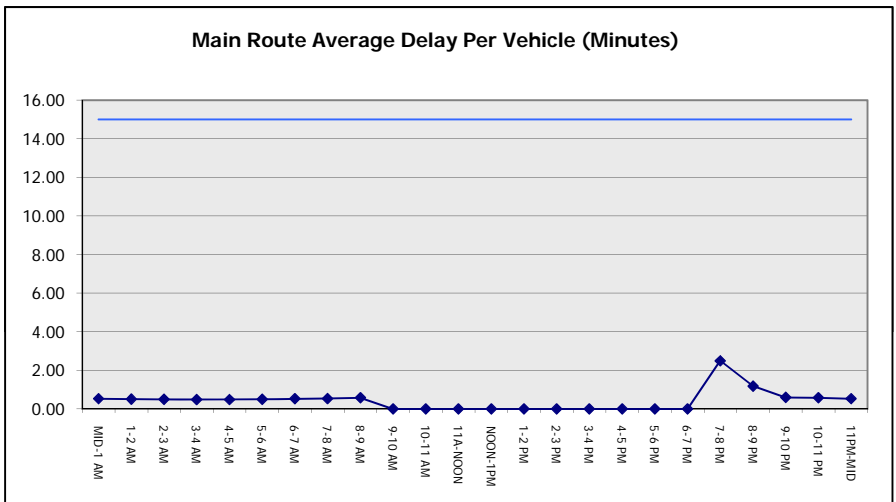
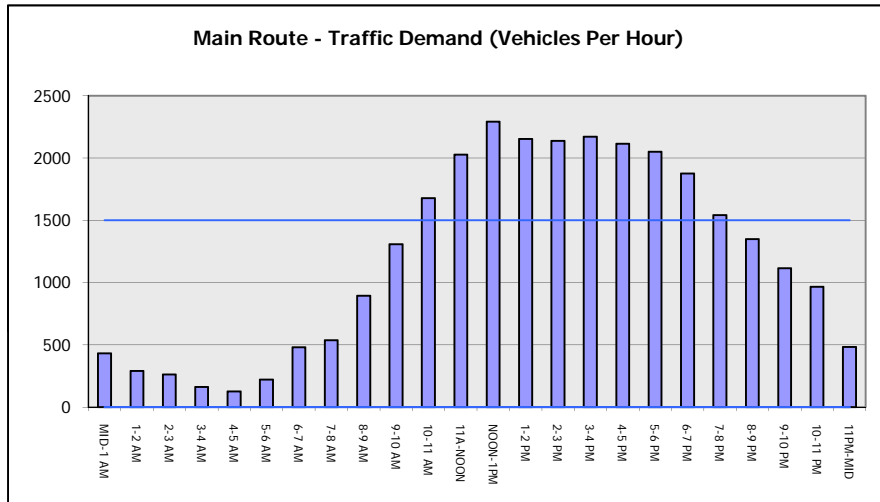
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,182
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)  
 NIGHTTIME 2 LANE CLOSURE  
 DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51**

**MAY**  
 Analyzed for 2009  
 Construction Season

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



<b>USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)</b> <b>NIGHTTIME 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51</b>	<b>MAY</b>
	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	452	0.0	269	0.0	1500	452	0	269	0.53	0	70.2	48.7	43.7	38.4	38.4
1-2 AM	294	0.0	175	0.0	1500	294	0	175	0.51	0	70.2	49.2	44.3	38.9	38.9
2-3 AM	261	0.0	155	0.0	1500	261	0	155	0.50	0	70.2	49.4	44.5	38.9	38.9
3-4 AM	149	0.0	88	0.0	1500	149	0	88	0.49	0	70.2	49.7	44.9	39.3	39.3
4-5 AM	135	0.0	81	0.0	1500	135	0	81	0.49	0	70.2	49.8	45.0	39.3	39.3
5-6 AM	204	0.0	121	0.0	1500	204	0	121	0.50	0	70.2	49.6	44.6	39.1	39.1
6-7 AM	381	0.0	226	0.0	1500	381	0	226	0.52	0	70.2	48.9	44.0	38.6	38.6
7-8 AM	679	0.0	403	0.0	1500	679	0	403	0.55	0	69.9	47.9	42.8	37.7	37.7
8-9 AM	1038	0.0	616	0.0	1499	1038	0	616	0.61	0	69.4	46.1	41.0	36.6	36.6
9-10 AM	1572	0.0	933	0.0	OFF	1572	0	933	0.00	0	68.8	68.8	68.8	35.0	35.0
10-11 AM	1922	0.0	1142	0.0	OFF	1922	0	1142	0.00	0	68.4	68.4	68.4	33.8	33.8
11A-NOON	2113	0.0	1255	0.0	OFF	2113	0	1255+	0.00	0	68.1	68.1	68.1	33.3	33.3
NOON-1PM	2350	0.0	1396	0.0	OFF	2350	0	1396+	0.00	0	67.8	67.8	67.8	32.5	32.5
1-2 PM	2315	0.0	1375	0.0	OFF	2315	0	1375+	0.00	0	67.9	67.9	67.9	32.7	32.7
2-3 PM	2333	0.0	1385	0.0	OFF	2333	0	1385+	0.00	0	67.8	67.8	67.8	32.6	32.6
3-4 PM	2428	0.0	1442	0.0	OFF	2428	0	1442+	0.00	0	67.7	67.7	67.7	32.4	32.4
4-5 PM	2354	0.0	1398	0.0	OFF	2354	0	1398+	0.00	0	67.8	67.8	67.8	32.5	32.5
5-6 PM	2035	0.0	1209	0.0	OFF	2035	0	1209+	0.00	0	68.2	68.2	68.2	33.5	33.5
6-7 PM	1759	0.0	1044	0.0	OFF	1759	0	1044	0.00	0	68.6	68.6	68.6	34.4	34.4
7-8 PM	1488	0.0	883	0.0	1499	1488	0	883	1.55	13	68.9	30.4	31.5	35.2	35.2
8-9 PM	1160	0.0	689	0.0	1500	1160	0	689	0.66	0	69.3	45.0	39.7	36.2	36.2
9-10 PM	850	0.0	504	0.0	1500	850	0	504	0.57	0	69.7	47.3	42.2	37.1	37.1
10-11 PM	583	0.0	346	0.0	1500	583	0	346	0.54	0	70.0	48.2	43.2	37.9	37.9
11PM-MID	410	0.0	244	0.0	1500	410	0	244	0.52	0	70.2	48.8	43.8	38.5	38.5

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0065
MAIN ROUTE WITH WORKS	0.0060
DIVERSION	0.0268

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,511
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)**  
**NIGHTTIME 2 LANE CLOSURE**  
**DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51**

**MAY**  
 Analyzed for 2009  
 Construction Season

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

