

<b>USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)</b> <b>CONTINUOUS (24 HOUR) 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	3000	431	0	256	0.36	0	70.2	54.0	49.7	38.4	38.4
1-2 AM	290	0.0	172	0.0	3000	290	0	172	0.36	0	70.2	54.0	49.7	38.9	38.9
2-3 AM	262	0.0	156	0.0	3000	262	0	156	0.36	0	70.2	54.0	49.7	38.9	38.9
3-4 AM	163	0.0	97	0.0	3000	163	0	97	0.36	0	70.2	54.0	49.7	39.2	39.2
4-5 AM	127	0.0	75	0.0	3000	127	0	75	0.36	0	70.2	54.0	49.7	39.4	39.4
5-6 AM	222	0.0	132	0.0	3000	222	0	132	0.36	0	70.2	54.0	49.7	39.1	39.1
6-7 AM	480	0.0	285	0.0	3000	480	0	285	0.36	0	70.1	54.0	49.7	38.3	38.3
7-8 AM	537	0.0	318	0.0	3000	537	0	318	0.36	0	70.0	54.0	49.7	38.1	38.1
8-9 AM	893	0.0	531	0.0	3000	893	0	531	0.35	0	69.6	53.8	49.7	37.0	37.0
9-10 AM	1307	0.0	776	0.0	3000	1307	0	776	0.35	0	69.1	53.8	49.7	35.8	35.8
10-11 AM	1677	0.0	996	0.0	3000	1677	0	996	0.34	0	68.6	53.7	49.7	34.7	34.7
11A-NOON	2026	0.0	1203	0.0	3000	2026	0	1203+	0.33	0	68.2	53.7	49.7	33.5	33.5
NOON-1PM	2293	0.0	1361	0.0	3000	2293	0	1361+	0.33	0	67.9	53.6	49.7	32.7	32.7
1-2 PM	2154	0.0	1280	0.0	3000	2154	0	1280+	0.33	0	68.1	53.6	49.7	33.2	33.2
2-3 PM	2137	0.0	1269	0.0	3000	2137	0	1269+	0.33	0	68.1	53.6	49.7	33.2	33.2
3-4 PM	2172	0.0	1290	0.0	3000	2172	0	1290+	0.33	0	68.1	53.6	49.7	33.1	33.1
4-5 PM	2115	0.0	1256	0.0	3000	2115	0	1256+	0.33	0	68.1	53.6	49.7	33.3	33.3
5-6 PM	2050	0.0	1217	0.0	3000	2050	0	1217+	0.33	0	68.2	53.7	49.7	33.5	33.5
6-7 PM	1875	0.0	1113	0.0	3000	1875	0	1113	0.34	0	68.4	53.7	49.7	34.0	34.0
7-8 PM	1542	0.0	916	0.0	3000	1542	0	916	0.34	0	68.8	53.7	49.7	35.0	35.0
8-9 PM	1348	0.0	800	0.0	3000	1348	0	800	0.35	0	69.1	53.8	49.7	35.6	35.6
9-10 PM	1114	0.0	661	0.0	3000	1114	0	661	0.35	0	69.4	53.8	49.7	36.3	36.3
10-11 PM	965	0.0	572	0.0	3000	965	0	572	0.35	0	69.6	53.8	49.7	36.8	36.8
11PM-MID	484	0.0	288	0.0	3000	484	0	288	0.36	0	70.1	54.0	49.7	38.3	38.3

+ 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	0.0064
MAIN ROUTE WITH WORKS	0.0045
DIVERSION	0.0263

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,397
CONGESTED HOURS PER DAY*	0

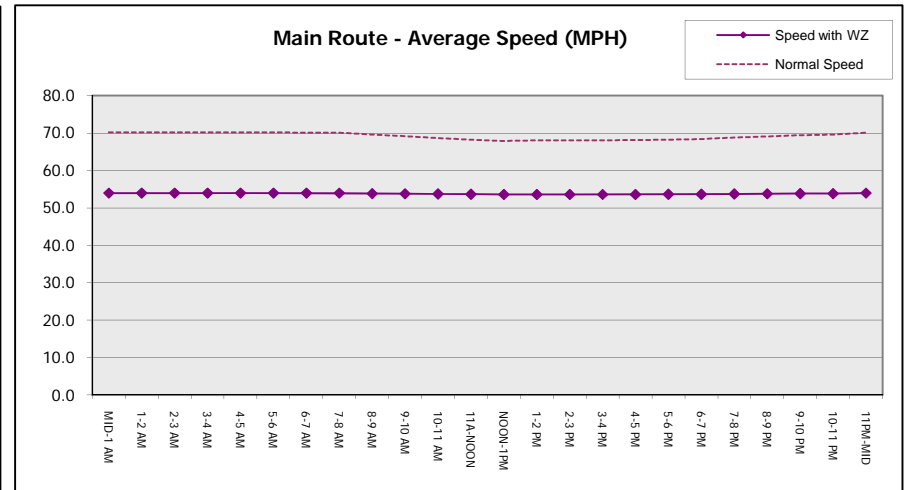
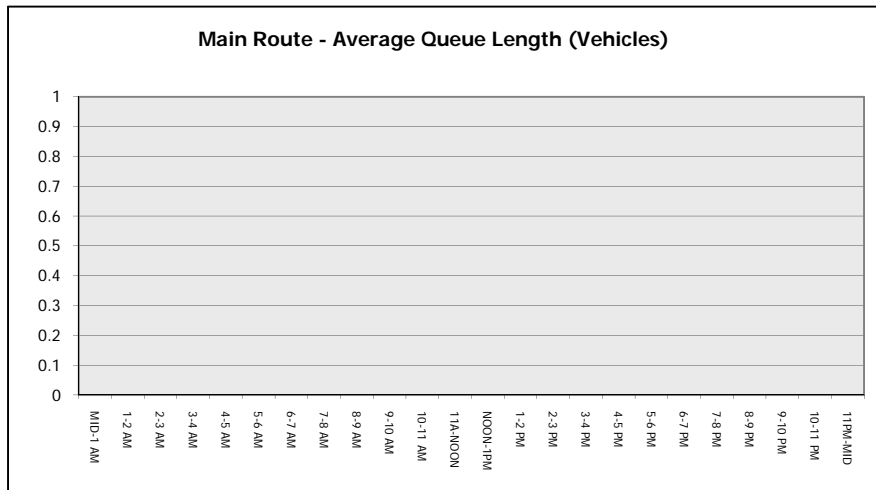
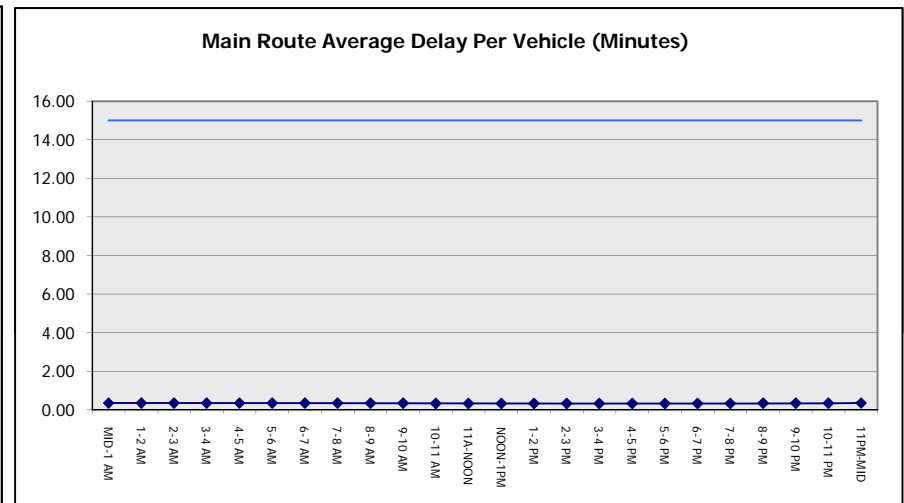
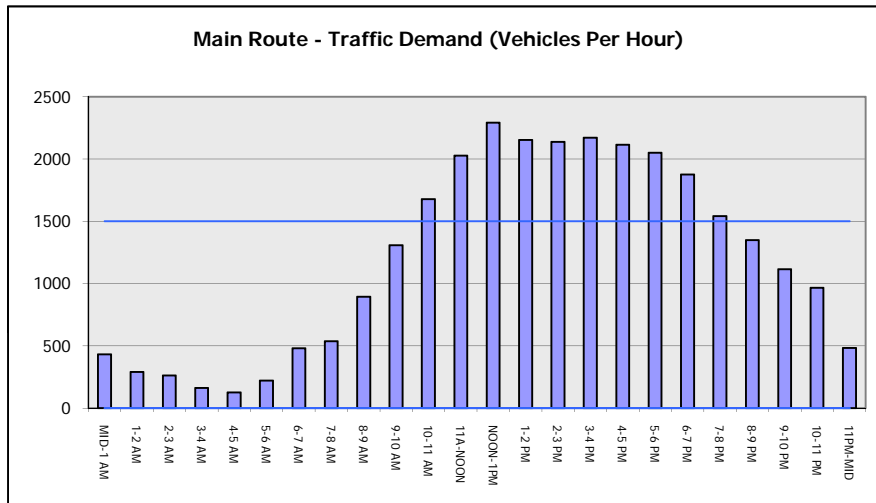
\*Delays Exceeding 15 Minutes

**USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)**  
**CONTINUOUS (24 HOUR) 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>CONTINUOUS (24 HOUR) 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	3000	452	0	269	0.36	0	70.2	54.0	49.7	38.4	38.4
1-2 AM	294	0.0	175	0.0	3000	294	0	175	0.36	0	70.2	54.0	49.7	38.9	38.9
2-3 AM	261	0.0	155	0.0	3000	261	0	155	0.36	0	70.2	54.0	49.7	38.9	38.9
3-4 AM	149	0.0	88	0.0	3000	149	0	88	0.36	0	70.2	54.0	49.7	39.3	39.3
4-5 AM	135	0.0	81	0.0	3000	135	0	81	0.36	0	70.2	54.0	49.7	39.3	39.3
5-6 AM	204	0.0	121	0.0	3000	204	0	121	0.36	0	70.2	54.0	49.7	39.1	39.1
6-7 AM	381	0.0	226	0.0	3000	381	0	226	0.36	0	70.2	54.0	49.7	38.6	38.6
7-8 AM	679	0.0	403	0.0	3000	679	0	403	0.36	0	69.9	53.9	49.7	37.7	37.7
8-9 AM	1038	0.0	616	0.0	3000	1038	0	616	0.35	0	69.4	53.8	49.7	36.6	36.6
9-10 AM	1572	0.0	933	0.0	3000	1572	0	933	0.34	0	68.8	53.7	49.7	35.0	35.0
10-11 AM	1922	0.0	1142	0.0	3000	1922	0	1142	0.34	0	68.4	53.7	49.7	33.8	33.8
11A-NOON	2113	0.0	1255	0.0	3000	2113	0	1255+	0.33	0	68.1	53.6	49.7	33.3	33.3
NOON-1PM	2350	0.0	1396	0.0	3000	2350	0	1396+	0.33	0	67.8	53.6	49.7	32.5	32.5
1-2 PM	2315	0.0	1375	0.0	3000	2315	0	1375+	0.33	0	67.9	53.6	49.7	32.7	32.7
2-3 PM	2333	0.0	1385	0.0	3000	2333	0	1385+	0.33	0	67.8	53.6	49.7	32.6	32.6
3-4 PM	2428	0.0	1442	0.0	3000	2428	0	1442+	0.35	0	67.7	52.7	48.6	32.4	32.4
4-5 PM	2354	0.0	1398	0.0	3000	2354	0	1398+	0.33	0	67.8	53.6	49.7	32.5	32.5
5-6 PM	2035	0.0	1209	0.0	3000	2035	0	1209+	0.33	0	68.2	53.7	49.7	33.5	33.5
6-7 PM	1759	0.0	1044	0.0	3000	1759	0	1044	0.34	0	68.6	53.7	49.7	34.4	34.4
7-8 PM	1488	0.0	883	0.0	3000	1488	0	883	0.34	0	68.9	53.7	49.7	35.2	35.2
8-9 PM	1160	0.0	689	0.0	3000	1160	0	689	0.35	0	69.3	53.8	49.7	36.2	36.2
9-10 PM	850	0.0	504	0.0	3000	850	0	504	0.35	0	69.7	53.8	49.7	37.1	37.1
10-11 PM	583	0.0	346	0.0	3000	583	0	346	0.36	0	70.0	53.9	49.7	37.9	37.9
11PM-MID	410	0.0	244	0.0	3000	410	0	244	0.36	0	70.2	54.0	49.7	38.5	38.5

+ 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	0.0046
DIVERSION	0.0268

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,454
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)**  
**CONTINUOUS (24 HOUR) 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**

