

<b>USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51</b>	<b>OCTOBER</b>
	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	513	0.0	305	0.0	OFF	513	0	305	0.00	0	70.1	70.1	70.1	38.2	38.2
1-2 AM	265	0.0	157	0.0	OFF	265	0	157	0.00	0	70.2	70.2	70.2	38.9	38.9
2-3 AM	199	0.0	118	0.0	OFF	199	0	118	0.00	0	70.2	70.2	70.2	39.1	39.1
3-4 AM	165	0.0	98	0.0	OFF	165	0	98	0.00	0	70.2	70.2	70.2	39.2	39.2
4-5 AM	190	0.0	113	0.0	OFF	190	0	113	0.00	0	70.2	70.2	70.2	39.2	39.2
5-6 AM	318	0.0	189	0.0	OFF	318	0	189	0.00	0	70.2	70.2	70.2	38.8	38.8
6-7 AM	942	0.0	559	0.0	OFF	942	0	559	0.00	0	69.6	69.6	69.6	36.9	36.9
7-8 AM	2665	0.0	1582	0.0	OFF	2665	0	1582+	0.00	0	67.4	67.4	67.4	31.6	31.6
8-9 AM	4037	0.0	2397	0.0	OFF	4037	0	2397+	0.00	0	63.3	63.3	63.3	27.4	27.4
9-10 AM	3287	0.0	1952	0.0	OFF	3287	0	1952+	0.00	0	66.6	66.6	66.6	29.7	29.7
10-11 AM	2456	0.0	1459	0.0	3000	2456	0	1459+	0.37	0	67.7	52.0	47.9	32.2	32.2
11A-NOON	2321	0.0	1378	0.0	3000	2321	0	1378+	0.33	0	67.9	53.6	49.7	32.7	32.7
NOON-1PM	2475	0.0	1469	0.0	3000	2475	0	1469+	0.39	0	67.7	51.6	47.4	32.2	32.2
1-2 PM	2683	0.0	1594	0.0	3000	2683	0	1594+	0.52	0	67.4	47.5	42.8	31.5	31.5
2-3 PM	2743	0.0	1628	0.0	3000	2743	0	1628+	0.56	0	67.3	46.5	41.6	31.4	31.4
3-4 PM	2877	0.0	1709	0.0	OFF	2877	0	1709+	0.00	0	67.1	67.1	67.1	31.0	31.0
4-5 PM	3160	0.0	1877	0.0	OFF	3160	0	1877+	0.00	0	66.8	66.8	66.8	30.1	30.1
5-6 PM	3240	0.0	1924	0.0	OFF	3240	0	1924+	0.00	0	66.7	66.7	66.7	29.9	29.9
6-7 PM	3015	0.0	1790	0.0	OFF	3015	0	1790+	0.00	0	67.0	67.0	67.0	30.6	30.6
7-8 PM	2575	0.0	1530	0.0	OFF	2575	0	1530+	0.00	0	67.5	67.5	67.5	31.9	31.9
8-9 PM	1873	0.0	1112	0.0	OFF	1873	0	1112	0.00	0	68.4	68.4	68.4	34.0	34.0
9-10 PM	1510	0.0	897	0.0	OFF	1510	0	897	0.00	0	68.9	68.9	68.9	35.1	35.1
10-11 PM	1314	0.0	781	0.0	OFF	1314	0	781	0.00	0	69.1	69.1	69.1	35.7	35.7
11PM-MID	1058	0.0	628	0.0	OFF	1058	0	628	0.00	0	69.4	69.4	69.4	36.5	36.5

"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	0.0102
MAIN ROUTE WITH WORKS	0.0094
DIVERSION	0.0421

PIA: Personal Injury Accidents

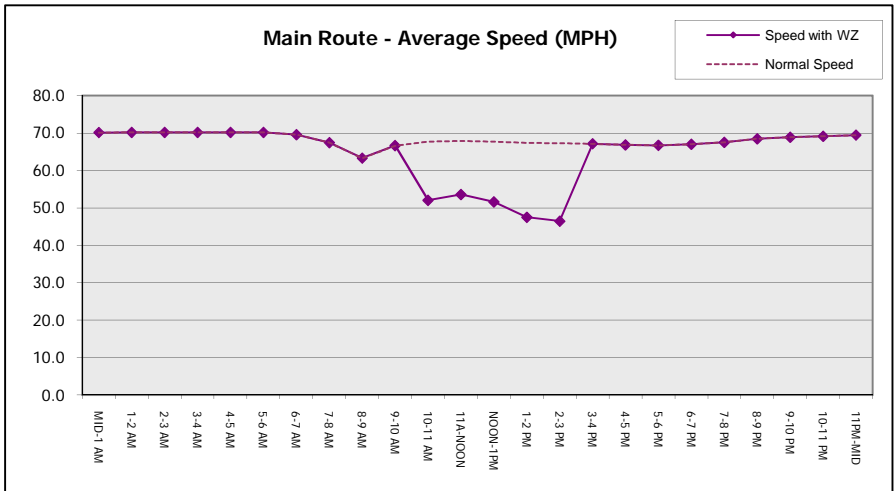
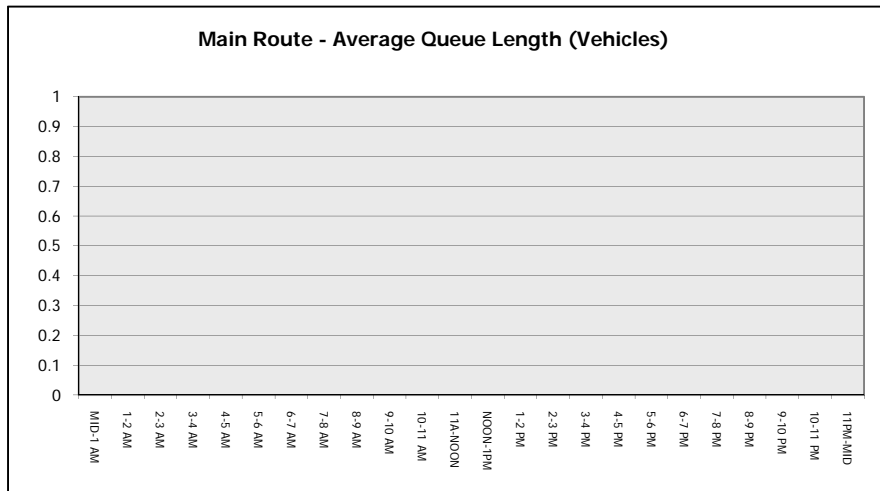
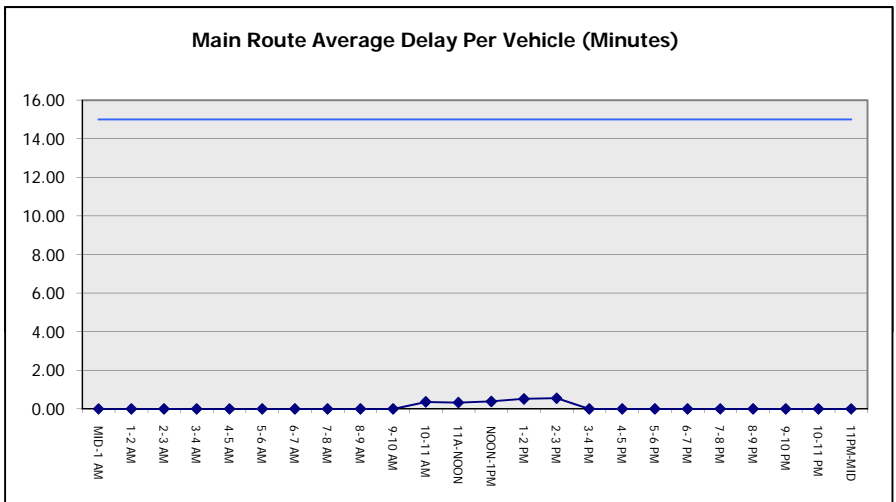
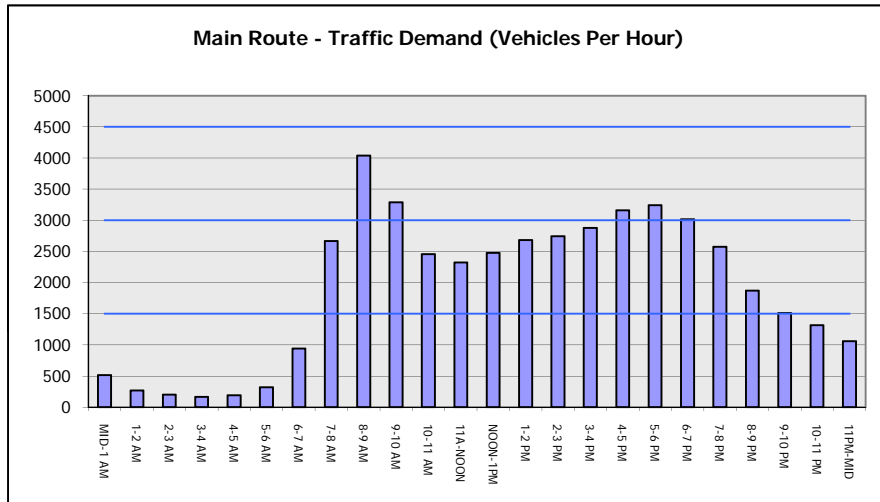
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,168
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)**  
**OFF-PEAK DAY CLOSURE**  
**DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

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



<b>USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51</b>	<b>OCTOBER</b>
	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						
	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	509	0.0	301	0.0	OFF	509	0	301	0.00	0	70.1	70.1	70.1	38.2	38.2
1-2 AM	320	0.0	190	0.0	OFF	320	0	190	0.00	0	70.2	70.2	70.2	38.8	38.8
2-3 AM	189	0.0	112	0.0	OFF	189	0	112	0.00	0	70.2	70.2	70.2	39.2	39.2
3-4 AM	174	0.0	104	0.0	OFF	174	0	104	0.00	0	70.2	70.2	70.2	39.2	39.2
4-5 AM	176	0.0	105	0.0	OFF	176	0	105	0.00	0	70.2	70.2	70.2	39.2	39.2
5-6 AM	288	0.0	171	0.0	OFF	288	0	171	0.00	0	70.2	70.2	70.2	38.9	38.9
6-7 AM	775	0.0	460	0.0	OFF	775	0	460	0.00	0	69.7	69.7	69.7	37.4	37.4
7-8 AM	1723	0.0	1023	0.0	OFF	1723	0	1023	0.00	0	68.6	68.6	68.6	34.5	34.5
8-9 AM	2775	0.0	1648	0.0	OFF	2775	0	1648+	0.00	0	67.3	67.3	67.3	31.3	31.3
9-10 AM	2364	0.0	1403	0.0	OFF	2364	0	1403+	0.00	0	67.8	67.8	67.8	32.5	32.5
10-11 AM	2008	0.0	1192	0.0	3000	2008	0	1192	0.33	0	68.2	53.7	49.7	33.6	33.6
11A-NOON	2185	0.0	1298	0.0	3000	2185	0	1298+	0.33	0	68.0	53.6	49.7	33.1	33.1
NOON-1PM	2569	0.0	1526	0.0	3000	2569	0	1526+	0.45	0	67.6	49.7	45.2	31.9	31.9
1-2 PM	2810	0.0	1668	0.0	2999	2810	0	1668+	0.60	0	67.3	45.3	40.4	31.2	31.2
2-3 PM	3003	0.0	1783	0.0	2999	3003	0	1783+	0.86	9	67.0	39.6	37.8	30.6	30.6
3-4 PM	3416	0.0	2029	0.0	OFF	3416	0	2029+	0.00	0	66.5	66.3	66.3	29.3	29.3
4-5 PM	3909	0.0	2321	0.0	OFF	3909	0	2321+	0.00	0	64.1	64.1	64.1	27.8	27.8
5-6 PM	3900	0.0	2316	0.0	OFF	3900	0	2316+	0.00	0	64.2	64.2	64.2	27.8	27.8
6-7 PM	3503	0.0	2080	0.0	OFF	3503	0	2080+	0.00	0	66.4	66.4	66.4	29.1	29.1
7-8 PM	2623	0.0	1558	0.0	OFF	2623	0	1558+	0.00	0	67.5	67.5	67.5	31.7	31.7
8-9 PM	1723	0.0	1023	0.0	OFF	1723	0	1023	0.00	0	68.6	68.6	68.6	34.5	34.5
9-10 PM	1457	0.0	864	0.0	OFF	1457	0	864	0.00	0	68.9	68.9	68.9	35.3	35.3
10-11 PM	1314	0.0	781	0.0	OFF	1314	0	781	0.00	0	69.1	69.1	69.1	35.7	35.7
11PM-MID	1047	0.0	622	0.0	OFF	1047	0	622	0.00	0	69.4	69.4	69.4	36.6	36.6

"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	0.0100
MAIN ROUTE WITH WORKS	0.0091
DIVERSION	0.0410

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,427
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)**  
**OFF-PEAK DAY CLOSURE**  
**DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

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

