

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

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	243	0.0	144	0.0	1500	243	0	144	0.50	0	70.2	49.4	44.5	39.0	39.0
1-2 AM	165	0.0	98	0.0	1500	165	0	98	0.49	0	70.2	49.7	44.8	39.2	39.2
2-3 AM	150	0.0	89	0.0	1500	150	0	89	0.49	0	70.2	49.7	44.9	39.3	39.3
3-4 AM	177	0.0	105	0.0	1500	177	0	105	0.49	0	70.2	49.6	44.8	39.2	39.2
4-5 AM	310	0.0	184	0.0	1500	310	0	184	0.51	0	70.2	49.2	44.2	38.8	38.8
5-6 AM	1122	0.0	667	0.0	OFF	1122	0	667	0.00	0	69.4	69.4	69.4	36.3	36.3
6-7 AM	3103	0.0	1843	0.0	OFF	3103	0	1843+	0.00	0	66.9	66.9	66.9	30.2	30.2
7-8 AM	3548	0.0	2106	0.0	OFF	3548	0	2106+	0.00	0	66.3	66.3	66.3	28.9	28.9
8-9 AM	2682	0.0	1593	0.0	OFF	2682	0	1593+	0.00	0	67.4	67.4	67.4	31.5	31.5
9-10 AM	2116	0.0	1257	0.0	OFF	2116	0	1257+	0.00	0	68.1	68.1	68.1	33.3	33.3
10-11 AM	2030	0.0	1205	0.0	OFF	2030	0	1205+	0.00	0	68.2	68.2	68.2	33.5	33.5
11A-NOON	2066	0.0	1226	0.0	OFF	2066	0	1226+	0.00	0	68.2	68.2	68.2	33.4	33.4
NOON-1PM	2241	0.0	1331	0.0	OFF	2241	0	1331+	0.00	0	67.9	67.9	67.9	32.9	32.9
1-2 PM	2251	0.0	1337	0.0	OFF	2251	0	1337+	0.00	0	67.9	67.9	67.9	32.9	32.9
2-3 PM	2332	0.0	1384	0.0	OFF	2332	0	1384+	0.00	0	67.8	67.8	67.8	32.6	32.6
3-4 PM	2549	0.0	1513	0.0	OFF	2549	0	1513+	0.00	0	67.6	67.6	67.6	32.0	32.0
4-5 PM	2771	0.0	1645	0.0	OFF	2771	0	1645+	0.00	0	67.3	67.3	67.3	31.3	31.3
5-6 PM	2532	0.0	1504	0.0	OFF	2532	0	1504+	0.00	0	67.6	67.6	67.6	32.0	32.0
6-7 PM	1988	0.0	1180	0.0	OFF	1988	0	1180	0.00	0	68.2	68.2	68.2	33.7	33.7
7-8 PM	1477	0.0	877	0.0	1499	1477	0	877	1.49	12	68.9	30.9	31.8	35.2	35.2
8-9 PM	1287	0.0	764	0.0	1500	1287	0	764	0.82	0	69.1	41.2	35.8	35.8	35.8
9-10 PM	1097	0.0	652	0.0	1500	1097	0	652	0.60	0	69.4	46.5	41.4	36.4	36.4
10-11 PM	761	0.0	452	0.0	1500	761	0	452	0.56	0	69.8	47.6	42.5	37.4	37.4
11PM-MID	460	0.0	273	0.0	1500	460	0	273	0.53	0	70.2	48.6	43.7	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	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	0.0088
MAIN ROUTE WITH WORKS	0.0084
DIVERSION	0.0362

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,177
CONGESTED HOURS PER DAY*	0

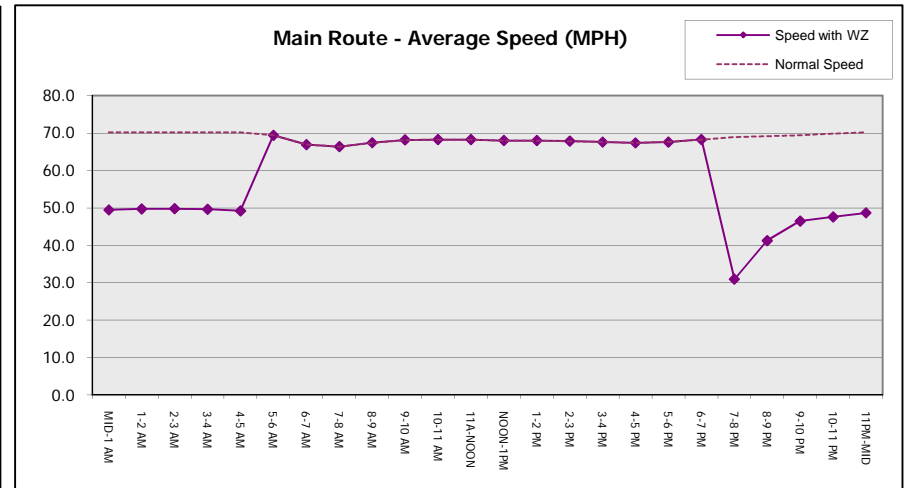
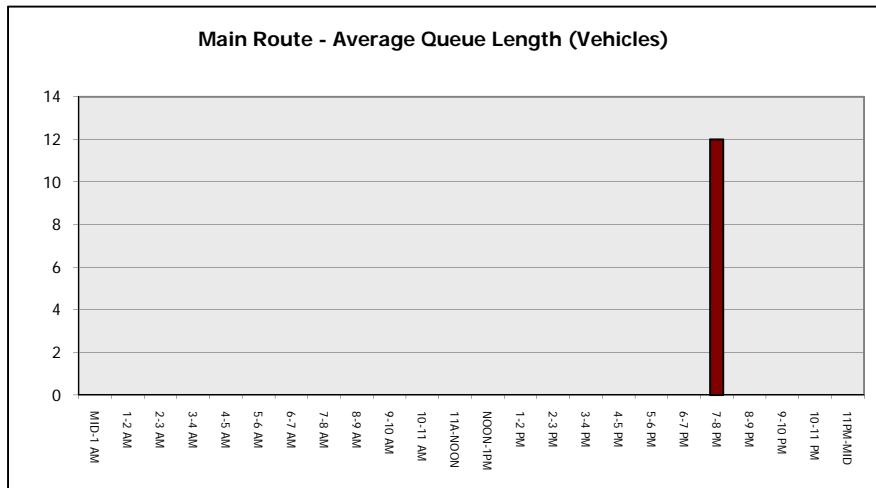
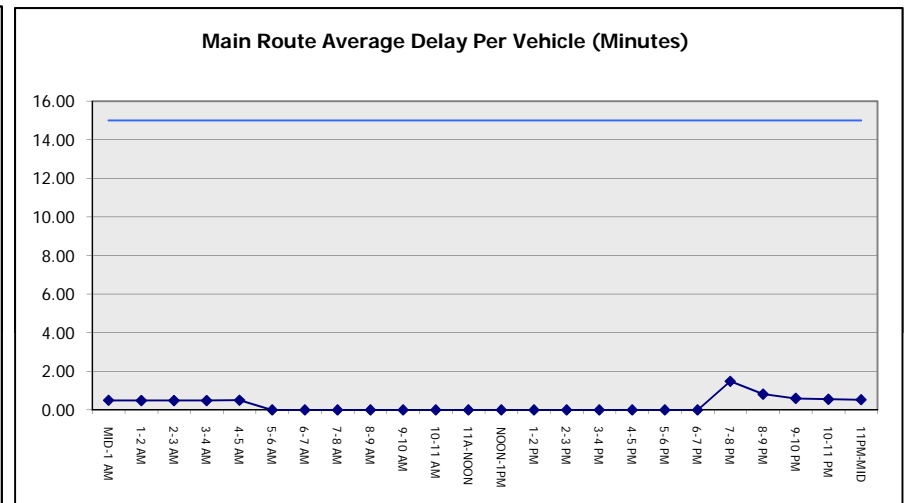
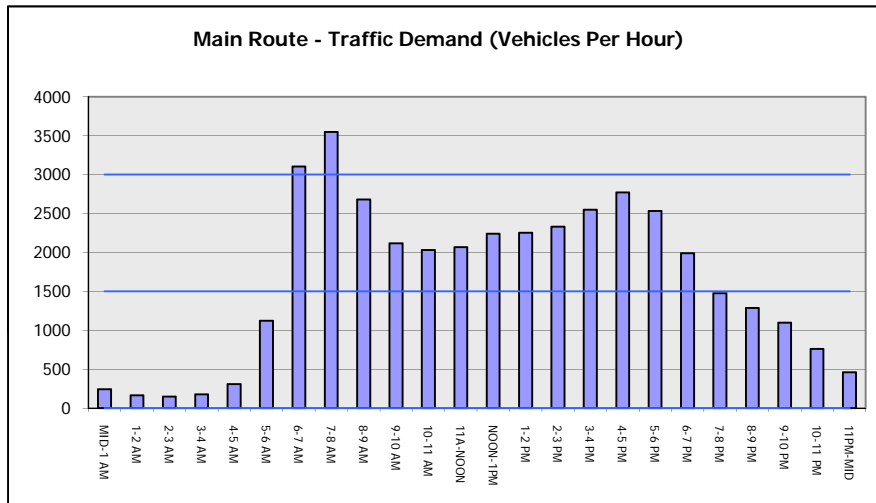
*Delays Exceeding 15 Minutes

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

MON-THUR WESTBOUND DIRECTION



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

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	249	0.0	148	0.0	1500	249	0	148	0.50	0	70.2	49.4	44.5	39.0	39.0
1-2 AM	168	0.0	99	0.0	1500	168	0	99	0.49	0	70.2	49.7	44.8	39.2	39.2
2-3 AM	142	0.0	85	0.0	1500	142	0	85	0.49	0	70.2	49.7	44.9	39.3	39.3
3-4 AM	145	0.0	87	0.0	1500	145	0	87	0.49	0	70.2	49.7	44.9	39.3	39.3
4-5 AM	306	0.0	182	0.0	1500	306	0	182	0.51	0	70.2	49.2	44.3	38.8	38.8
5-6 AM	864	0.0	513	0.0	OFF	864	0	513	0.00	0	69.7	69.7	69.7	37.1	37.1
6-7 AM	2000	0.0	1188	0.0	OFF	2000	0	1188	0.00	0	68.2	68.2	68.2	33.7	33.7
7-8 AM	2803	0.0	1665	0.0	OFF	2803	0	1665+	0.00	0	67.3	67.3	67.3	31.2	31.2
8-9 AM	2321	0.0	1378	0.0	OFF	2321	0	1378+	0.00	0	67.9	67.9	67.9	32.7	32.7
9-10 AM	1933	0.0	1148	0.0	OFF	1933	0	1148	0.00	0	68.3	68.3	68.3	33.8	33.8
10-11 AM	2003	0.0	1190	0.0	OFF	2003	0	1190	0.00	0	68.2	68.2	68.2	33.6	33.6
11A-NOON	2252	0.0	1337	0.0	OFF	2252	0	1337+	0.00	0	67.9	67.9	67.9	32.9	32.9
NOON-1PM	2349	0.0	1395	0.0	OFF	2349	0	1395+	0.00	0	67.8	67.8	67.8	32.6	32.6
1-2 PM	2437	0.0	1447	0.0	OFF	2437	0	1447+	0.00	0	67.7	67.7	67.7	32.3	32.3
2-3 PM	2840	0.0	1687	0.0	OFF	2840	0	1687+	0.00	0	67.2	67.2	67.2	31.1	31.1
3-4 PM	3505	0.0	2081	0.0	OFF	3505	0	2081+	0.00	0	66.4	66.4	66.4	29.1	29.1
4-5 PM	3880	0.0	2304	0.0	OFF	3880	0	2304+	0.00	0	64.3	64.3	64.3	27.9	27.9
5-6 PM	3427	0.0	2035	0.0	OFF	3427	0	2035+	0.00	0	66.4	66.4	66.4	29.2	29.2
6-7 PM	2240	0.0	1330	0.0	OFF	2240	0	1330+	0.00	0	67.9	67.9	67.9	32.9	32.9
7-8 PM	1601	0.0	951	0.0	1499	1601	0	951	3.87	77	68.7	16.6	30.8	34.8	34.8
8-9 PM	1386	0.0	824	0.0	1499	1386	0	824	2.92	60	69.0	20.3	32.1	35.5	35.5
9-10 PM	1096	0.0	651	0.0	1500	1096	0	651	0.60	0	69.4	46.5	41.4	36.4	36.4
10-11 PM	794	0.0	472	0.0	1500	794	0	472	0.56	0	69.7	47.4	42.4	37.3	37.3
11PM-MID	473	0.0	280	0.0	1500	473	0	280	0.53	0	70.2	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	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	0.0092
MAIN ROUTE WITH WORKS	0.0088
DIVERSION	0.0378

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,790
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
MON-THUR EASTBOUND DIRECTION

