

**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
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	298	0.0	177	0.0	1500	298	0	177	0.51	0	70.2	49.2	44.3	38.8	38.8
1-2 AM	206	0.0	122	0.0	1500	206	0	122	0.50	0	70.2	49.6	44.6	39.1	39.1
2-3 AM	168	0.0	99	0.0	1500	168	0	99	0.49	0	70.2	49.7	44.8	39.2	39.2
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	306	0.0	181	0.0	1500	306	0	181	0.51	0	70.2	49.2	44.3	38.8	38.8
5-6 AM	1100	0.0	653	0.0	OFF	1100	0	653	0.00	0	69.4	69.4	69.4	36.4	36.4
6-7 AM	3069	0.0	1823	0.0	OFF	3069	0	1823+	0.00	0	66.9	66.9	66.9	30.4	30.4
7-8 AM	3681	0.0	2186	0.0	OFF	3681	0	2186+	0.00	0	65.7	65.7	65.7	28.5	28.5
8-9 AM	2789	0.0	1656	0.0	OFF	2789	0	1656+	0.00	0	67.3	67.3	67.3	31.2	31.2
9-10 AM	2372	0.0	1408	0.0	OFF	2372	0	1408+	0.00	0	67.8	67.8	67.8	32.5	32.5
10-11 AM	2242	0.0	1332	0.0	OFF	2242	0	1332+	0.00	0	67.9	67.9	67.9	32.9	32.9
11A-NOON	2462	0.0	1463	0.0	OFF	2462	0	1463+	0.00	0	67.7	67.7	67.7	32.2	32.2
NOON-1PM	2597	0.0	1542	0.0	OFF	2597	0	1542+	0.00	0	67.5	67.5	67.5	31.8	31.8
1-2 PM	2539	0.0	1507	0.0	OFF	2539	0	1507+	0.00	0	67.6	67.6	67.6	32.0	32.0
2-3 PM	2620	0.0	1556	0.0	OFF	2620	0	1556+	0.00	0	67.5	67.5	67.5	31.7	31.7
3-4 PM	2774	0.0	1647	0.0	OFF	2774	0	1647+	0.00	0	67.3	67.3	67.3	31.3	31.3
4-5 PM	2860	0.0	1698	0.0	OFF	2860	0	1698+	0.00	0	67.2	67.2	67.2	31.0	31.0
5-6 PM	2706	0.0	1606	0.0	OFF	2706	0	1606+	0.00	0	67.4	67.4	67.4	31.5	31.5
6-7 PM	2337	0.0	1388	0.0	OFF	2337	0	1388+	0.00	0	67.8	67.8	67.8	32.6	32.6
7-8 PM	1819	0.0	1080	0.0	1499	1819	0	1080	7.36	184	68.5	10.9	30.8	34.2	34.3
8-9 PM	1536	0.0	912	0.0	1499	1536	0	912	14.57	352	68.8	7.1	30.8	35.0	35.5
9-10 PM	1301	0.0	772	0.0	1499	1301	0	772	11.16	270	69.1	8.4	30.9	35.8	36.1
10-11 PM	1050	0.0	624	0.0	1500	1050	0	624	1.19	31	69.4	35.1	39.8	36.5	36.5
11PM-MID	759	0.0	450	0.0	1500	759	0	450	0.56	0	69.8	47.6	42.5	37.4	37.4

"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	0.0097
MAIN ROUTE WITH WORKS	0.0092
DIVERSION	0.0401

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$13,021
CONGESTED HOURS PER DAY*	0

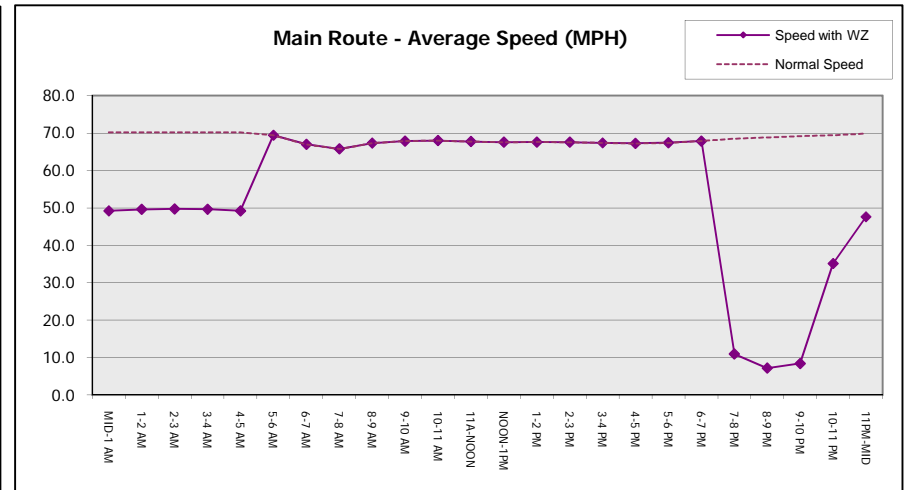
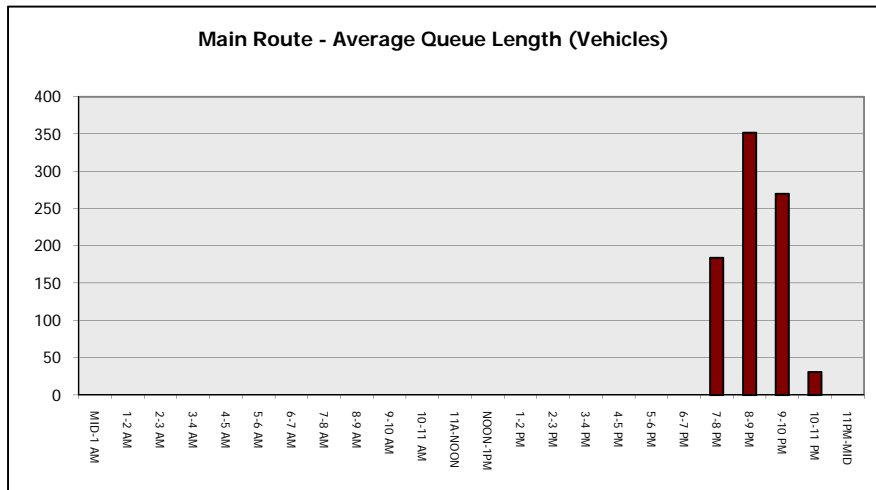
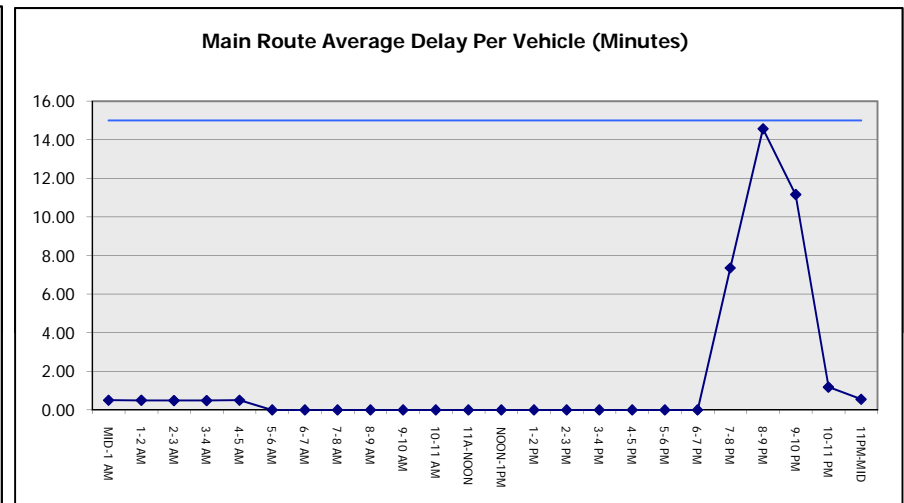
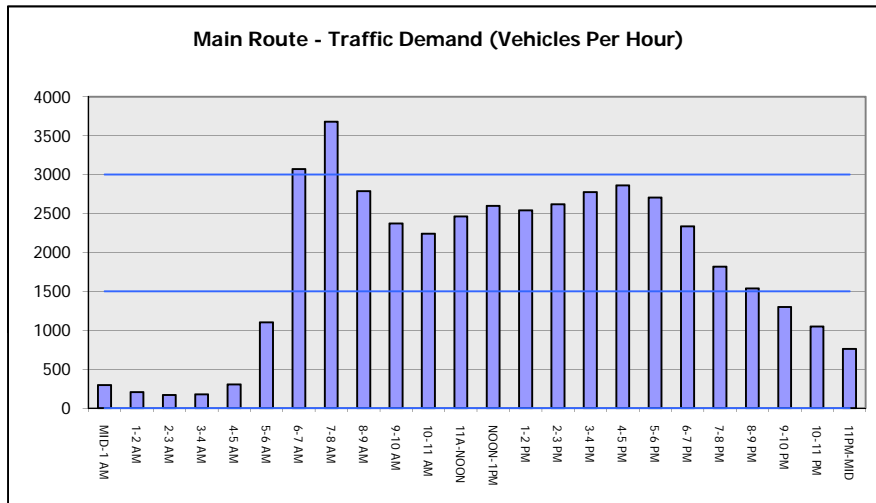
*Delays Exceeding 15 Minutes

**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

FRIDAY 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

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	304	0.0	181	0.0	1500	304	0	181	0.51	0	70.2	49.2	44.3	38.8	38.8
1-2 AM	215	0.0	127	0.0	1500	215	0	127	0.50	0	70.2	49.5	44.6	39.1	39.1
2-3 AM	210	0.0	125	0.0	1500	210	0	125	0.50	0	70.2	49.6	44.6	39.1	39.1
3-4 AM	178	0.0	106	0.0	1500	178	0	106	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	825	0.0	490	0.0	OFF	825	0	490	0.00	0	69.7	69.7	69.7	37.2	37.2
6-7 AM	1950	0.0	1158	0.0	OFF	1950	0	1158	0.00	0	68.3	68.3	68.3	33.8	33.8
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	2347	0.0	1394	0.0	OFF	2347	0	1394+	0.00	0	67.8	67.8	67.8	32.6	32.6
9-10 AM	2088	0.0	1239	0.0	OFF	2088	0	1239+	0.00	0	68.1	68.1	68.1	33.3	33.3
10-11 AM	2236	0.0	1328	0.0	OFF	2236	0	1328+	0.00	0	67.9	67.9	67.9	32.9	32.9
11A-NOON	2592	0.0	1539	0.0	OFF	2592	0	1539+	0.00	0	67.5	67.5	67.5	31.9	31.9
NOON-1PM	2925	0.0	1737	0.0	OFF	2925	0	1737+	0.00	0	67.1	67.1	67.1	30.8	30.8
1-2 PM	2934	0.0	1742	0.0	OFF	2934	0	1742+	0.00	0	67.1	67.1	67.1	30.8	30.8
2-3 PM	3241	0.0	1924	0.0	OFF	3241	0	1924+	0.00	0	66.7	66.7	66.7	29.9	29.9
3-4 PM	3810	0.0	2262	0.0	OFF	3810	0	2262+	0.00	0	64.8	64.8	64.8	28.1	28.1
4-5 PM	3947	0.0	2344	0.0	OFF	3947	0	2344+	0.00	0	63.9	63.9	63.9	27.7	27.7
5-6 PM	3335	0.0	1981	0.0	OFF	3335	0	1981+	0.00	0	66.6	66.6	66.6	29.6	29.6
6-7 PM	2375	0.0	1411	0.0	OFF	2375	0	1411+	0.00	0	67.8	67.8	67.8	32.5	32.5
7-8 PM	1782	0.0	1058	0.0	1499	1782	0	1058	6.88	168	68.5	11.3	30.8	34.3	34.5
8-9 PM	1485	0.0	882	0.0	1499	1485	0	882	12.22	291	68.9	7.9	30.8	35.2	35.5
9-10 PM	1246	0.0	740	0.0	1499	1246	0	740	5.96	152	69.2	12.7	32.7	36.0	36.0
10-11 PM	1097	0.0	651	0.0	1500	1097	0	651	0.63	0	69.4	45.6	40.7	36.4	36.4
11PM-MID	752	0.0	447	0.0	1500	752	0	447	0.56	0	69.8	47.6	42.5	37.4	37.4

"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	0.0095
DIVERSION	0.0412

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$9,803
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
FRIDAY EASTBOUND DIRECTION

