

**IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: 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	351	0.0	114	0.0	3000	351	0	114	0.36	0	70.2	65.3	49.7	39.2	39.2
1-2 AM	271	0.0	88	0.0	3000	271	0	88	0.36	0	70.2	65.3	49.7	39.3	39.3
2-3 AM	243	0.0	78	0.0	3000	243	0	78	0.36	0	70.2	65.3	49.7	39.4	39.4
3-4 AM	263	0.0	86	0.0	3000	263	0	86	0.36	0	70.2	65.3	49.7	39.3	39.3
4-5 AM	406	0.0	132	0.0	3000	406	0	132	0.36	0	70.2	65.3	49.7	39.1	39.1
5-6 AM	883	0.0	288	0.0	3000	883	0	288	0.35	0	69.6	65.0	49.7	38.4	38.4
6-7 AM	2004	0.0	653	0.0	3000	2004	0	653	0.33	0	68.2	64.0	49.7	36.6	36.6
7-8 AM	2924	0.0	952	0.0	3000	2924	0	952	0.68	0	67.1	59.2	38.4	35.1	35.1
8-9 AM	2368	0.0	771	0.0	3000	2368	0	771	0.33	0	67.8	63.7	49.7	36.0	36.0
9-10 AM	1847	0.0	602	0.0	3000	1847	0	602	0.34	0	68.4	64.1	49.7	36.8	36.8
10-11 AM	1888	0.0	615	0.0	3000	1888	0	615	0.34	0	68.4	64.1	49.7	36.8	36.8
11A-NOON	2000	0.0	651	0.0	3000	2000	0	651	0.33	0	68.2	64.0	49.7	36.6	36.6
NOON-1PM	2053	0.0	669	0.0	3000	2053	0	669	0.33	0	68.2	63.9	49.7	36.5	36.5
1-2 PM	2160	0.0	703	0.0	3000	2160	0	703	0.33	0	68.1	63.8	49.7	36.3	36.3
2-3 PM	2377	0.0	774	0.0	2999	2377	0	774	0.36	0	67.8	63.3	48.6	36.0	36.0
3-4 PM	2926	0.0	953	0.0	2999	2926	0	953	0.75	5	67.1	58.4	38.8	35.1	35.1
4-5 PM	3303	0.0	1076	0.0	3000	3303	0	1076	3.62	172	66.6	39.1	37.3	34.6	34.6
5-6 PM	2927	0.0	953	0.0	2999	2927	0	953	6.70	329	67.1	29.0	37.3	35.1	35.1
6-7 PM	1944	0.0	633	0.0	3000	1944	0	633	0.82	36	68.3	58.7	49.7	36.7	36.7
7-8 PM	1463	0.0	476	0.0	3000	1463	0	476	0.34	0	68.9	64.5	49.7	37.4	37.4
8-9 PM	1284	0.0	419	0.0	3000	1284	0	419	0.35	0	69.1	64.6	49.7	37.8	37.8
9-10 PM	1059	0.0	344	0.0	3000	1059	0	344	0.35	0	69.4	64.8	49.7	38.1	38.1
10-11 PM	792	0.0	258	0.0	3000	792	0	258	0.35	0	69.7	65.0	49.7	38.5	38.5
11PM-MID	540	0.0	176	0.0	3000	540	0	176	0.36	0	70.0	65.3	49.7	38.9	38.9

----- 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	0.0347
MAIN ROUTE WITH WORKS	0.0322
DIVERSION	0.1272

PIA: Personal Injury Accidents

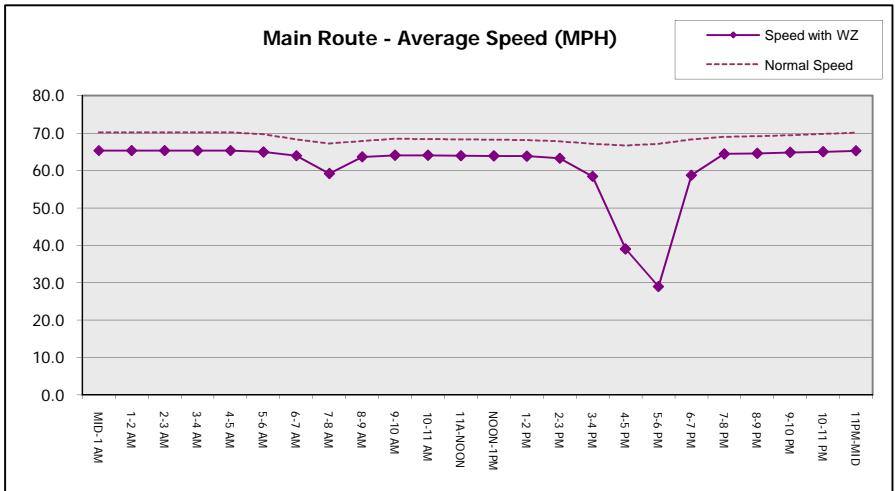
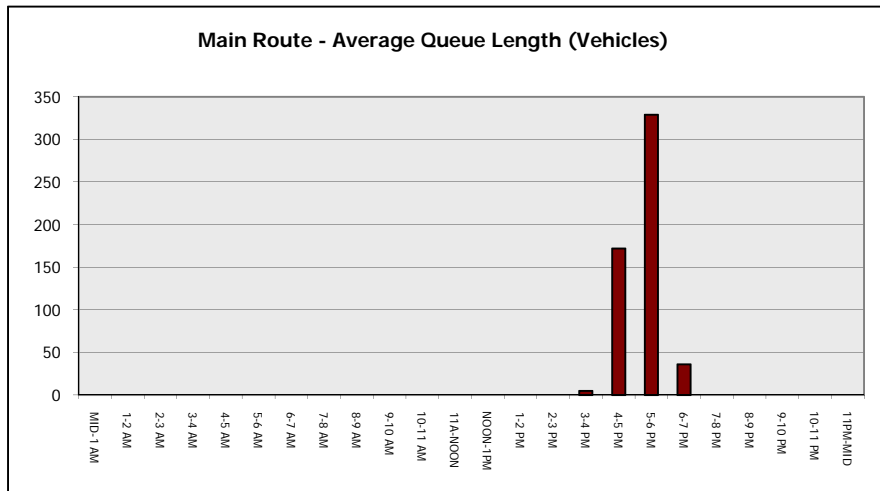
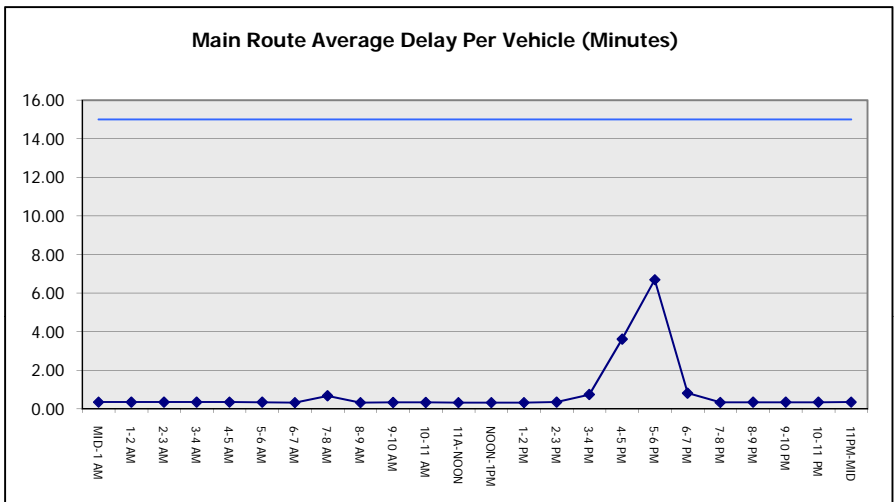
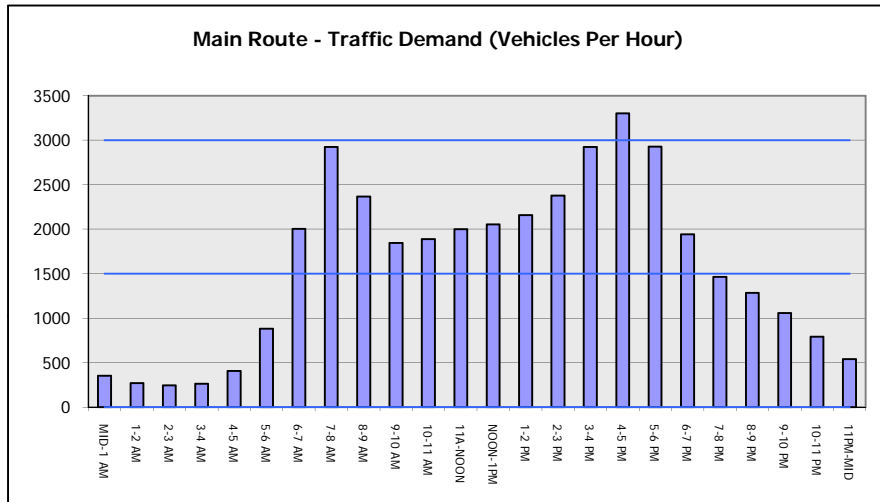
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$9,353
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 30 - USH 51

MAY
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: 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		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	317	0.0	104	0.0	3000	317	0	104	0.36	0	70.2	65.3	49.7	39.2	39.2
1-2 AM	236	0.0	77	0.0	3000	236	0	77	0.36	0	70.2	65.3	49.7	39.4	39.4
2-3 AM	244	0.0	80	0.0	3000	244	0	80	0.36	0	70.2	65.3	49.7	39.4	39.4
3-4 AM	269	0.0	88	0.0	3000	269	0	88	0.36	0	70.2	65.3	49.7	39.3	39.3
4-5 AM	390	0.0	127	0.0	3000	390	0	127	0.36	0	70.2	65.3	49.7	39.1	39.1
5-6 AM	995	0.0	324	0.0	3000	995	0	324	0.35	0	69.5	64.9	49.7	38.2	38.2
6-7 AM	2353	0.0	766	0.0	3000	2353	0	766	0.33	0	67.8	63.7	49.7	36.1	36.1
7-8 AM	2700	0.0	879	0.0	3000	2700	0	879	0.53	0	67.4	61.0	42.5	35.5	35.5
8-9 AM	2115	0.0	689	0.0	3000	2115	0	689	0.33	0	68.1	63.8	49.7	36.5	36.5
9-10 AM	1901	0.0	619	0.0	3000	1901	0	619	0.34	0	68.4	64.1	49.7	36.8	36.8
10-11 AM	1894	0.0	617	0.0	3000	1894	0	617	0.34	0	68.4	64.1	49.7	36.8	36.8
11A-NOON	1993	0.0	650	0.0	3000	1993	0	650	0.33	0	68.2	64.0	49.7	36.6	36.6
NOON-1PM	2074	0.0	675	0.0	3000	2074	0	675	0.33	0	68.2	63.9	49.7	36.5	36.5
1-2 PM	2140	0.0	697	0.0	3000	2140	0	697	0.33	0	68.1	63.8	49.7	36.4	36.4
2-3 PM	2327	0.0	758	0.0	3000	2327	0	758	0.33	0	67.8	63.7	49.7	36.1	36.1
3-4 PM	2636	0.0	858	0.0	2999	2636	0	858	0.49	0	67.4	61.5	43.8	35.6	35.6
4-5 PM	3118	0.0	1016	0.0	2999	3118	0	1016	1.63	52	66.9	50.7	37.3	34.8	34.8
5-6 PM	2842	0.0	926	0.0	2999	2842	0	926	1.95	77	67.2	48.6	39.1	35.3	35.3
6-7 PM	1986	0.0	647	0.0	3000	1986	0	647	0.33	0	68.2	64.0	49.7	36.6	36.6
7-8 PM	1503	0.0	490	0.0	3000	1503	0	490	0.34	0	68.9	64.4	49.7	37.4	37.4
8-9 PM	1258	0.0	409	0.0	3000	1258	0	409	0.35	0	69.2	64.6	49.7	37.8	37.8
9-10 PM	1047	0.0	341	0.0	3000	1047	0	341	0.35	0	69.4	64.8	49.7	38.1	38.1
10-11 PM	767	0.0	250	0.0	3000	767	0	250	0.35	0	69.8	65.1	49.7	38.6	38.6
11PM-MID	505	0.0	164	0.0	3000	505	0	164	0.36	0	70.1	65.3	49.7	38.9	38.9

----- 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	0.0341
MAIN ROUTE WITH WORKS	0.0316
DIVERSION	0.1250

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$4,557
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 30 - USH 51

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION

