

IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY) CONTINUOUS (24 HOUR) 2 LANE 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	1500	351	0	114	0.52	0	70.2	63.5	44.1	39.2	39.2
1-2 AM	271	0.0	88	0.0	1500	271	0	88	0.51	0	70.2	63.6	44.4	39.3	39.3
2-3 AM	243	0.0	78	0.0	1500	243	0	78	0.50	0	70.2	63.6	44.5	39.4	39.4
3-4 AM	263	0.0	86	0.0	1500	263	0	86	0.50	0	70.2	63.6	44.4	39.3	39.3
4-5 AM	406	0.0	132	0.0	1500	406	0	132	0.52	0	70.2	63.4	43.8	39.1	39.1
5-6 AM	883	0.0	288	0.0	1500	883	0	288	0.57	0	69.6	62.3	42.1	38.4	38.4
6-7 AM	2004	0.0	653	0.0	1499	1697	307	960	5.28	124	68.2	33.2	30.8	36.6	35.1
7-8 AM	2924	0.0	952	0.0	1499	1553	1371	2323+	10.24	242	67.1	22.3	30.8	35.1	28.6
8-9 AM	2368	0.0	771	0.0	1500	1443	925	1696+	8.83	204	67.8	24.7	30.9	36.0	31.5
9-10 AM	1847	0.0	602	0.0	1500	1471	376	978	7.50	168	68.4	27.3	30.8	36.8	35.0
10-11 AM	1888	0.0	615	0.0	1499	1506	381	997	7.53	169	68.4	27.3	30.8	36.8	35.0
11A-NOON	2000	0.0	651	0.0	1500	1507	493	1143	7.78	176	68.2	26.7	30.8	36.6	34.2
NOON-1PM	2053	0.0	669	0.0	1500	1503	550	1218+	7.91	179	68.2	26.5	30.8	36.5	33.9
1-2 PM	2160	0.0	703	0.0	1500	1508	651	1355+	8.16	186	68.1	25.9	30.8	36.3	33.2
2-3 PM	2377	0.0	774	0.0	1500	1519	858	1632+	8.69	201	67.8	24.9	30.8	36.0	31.9
3-4 PM	2926	0.0	953	0.0	1500	1549	1377	2330+	10.26	243	67.1	22.2	30.8	35.1	28.5
4-5 PM	3303	0.0	1076	0.0	1500	1527	1776	2852+	11.71	282	66.6	20.3	30.8	34.6	26.0
5-6 PM	2927	0.0	953	0.0	1500	1449	1478	2431+	10.52	250	67.1	21.9	30.8	35.1	28.0
6-7 PM	1944	0.0	633	0.0	1500	1430	514	1147	7.79	177	68.3	26.7	31.2	36.7	34.2
7-8 PM	1463	0.0	476	0.0	1499	1428	35	511	6.27	136	68.9	30.4	30.8	37.4	37.3
8-9 PM	1284	0.0	419	0.0	1499	1284	0	419	1.65	25	69.1	51.8	35.0	37.8	37.8
9-10 PM	1059	0.0	344	0.0	1500	1059	0	344	0.59	0	69.4	62.0	41.5	38.1	38.1
10-11 PM	792	0.0	258	0.0	1500	792	0	258	0.56	0	69.7	62.5	42.4	38.5	38.5
11PM-MID	540	0.0	176	0.0	1500	540	0	176	0.54	0	70.0	63.1	43.3	38.9	38.9

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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	0.0229
DIVERSION	0.2403

PIA: Personal Injury Accidents

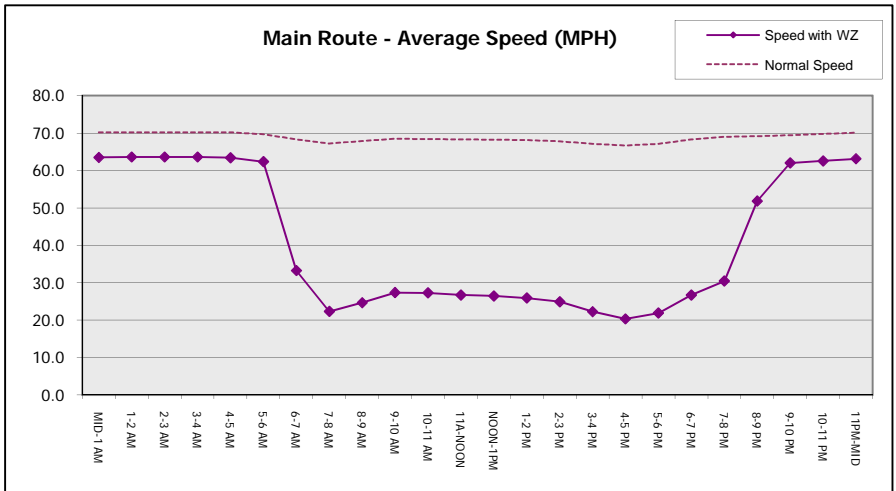
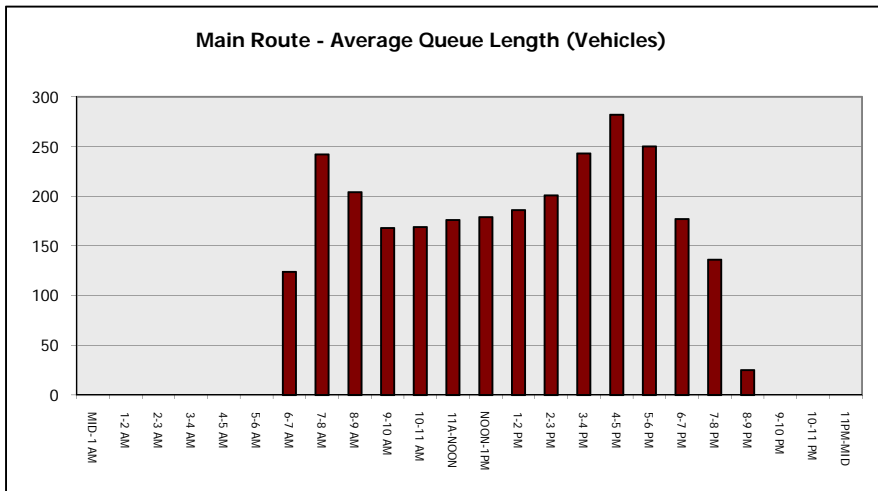
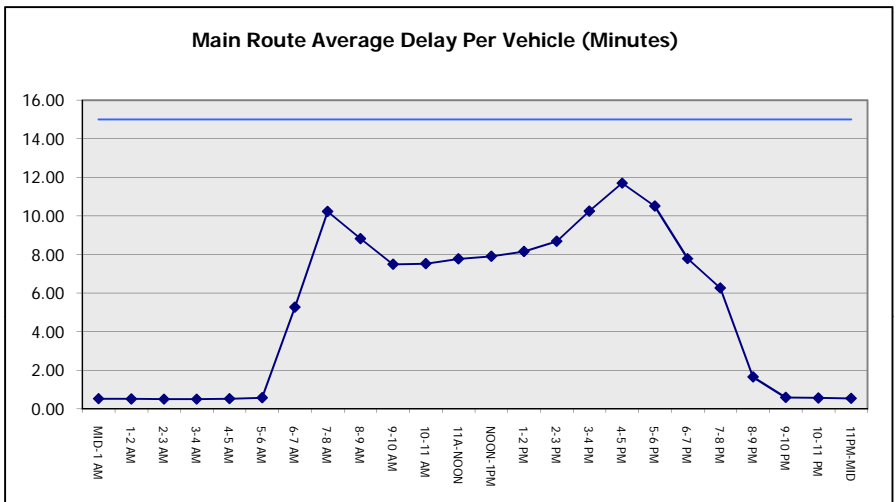
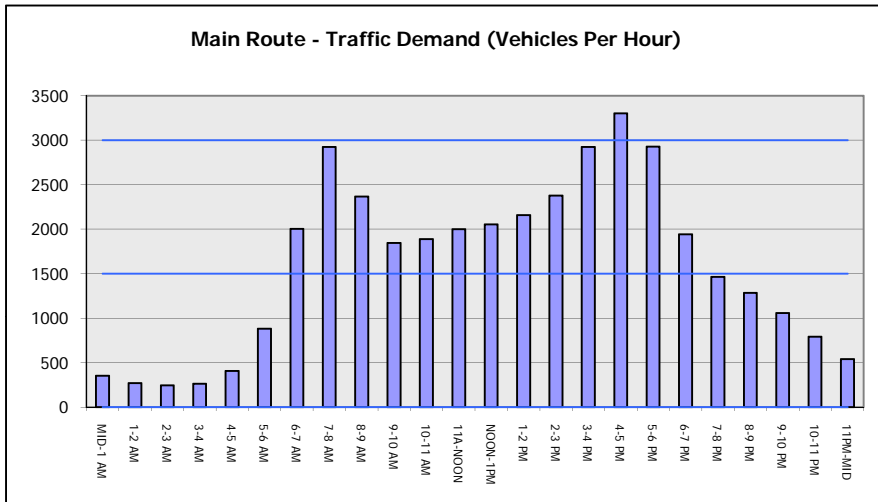
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$70,555
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)
CONTINUOUS (24 HOUR) 2 LANE CLOSURE
DIVERSION ROUTE: STH 30 - USH 51

MAY
 Analyzed for 2009
 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) 2 LANE 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	1500	317	0	104	0.51	0	70.2	63.5	44.2	39.2	39.2
1-2 AM	236	0.0	77	0.0	1500	236	0	77	0.50	0	70.2	63.7	44.5	39.4	39.4
2-3 AM	244	0.0	80	0.0	1500	244	0	80	0.50	0	70.2	63.6	44.5	39.4	39.4
3-4 AM	269	0.0	88	0.0	1500	269	0	88	0.51	0	70.2	63.6	44.4	39.3	39.3
4-5 AM	390	0.0	127	0.0	1500	390	0	127	0.52	0	70.2	63.4	43.9	39.1	39.1
5-6 AM	995	0.0	324	0.0	1499	995	0	324	0.66	0	69.5	61.3	39.9	38.2	38.2
6-7 AM	2353	0.0	766	0.0	1499	1722	632	1398+	8.22	193	67.8	25.8	31.9	36.1	33.0
7-8 AM	2700	0.0	879	0.0	1499	1503	1197	2076+	9.65	226	67.4	23.2	30.8	35.5	29.7
8-9 AM	2115	0.0	689	0.0	1500	1454	661	1349+	8.15	186	68.1	26.0	30.9	36.5	33.2
9-10 AM	1901	0.0	619	0.0	1499	1490	411	1030	7.59	170	68.4	27.1	30.8	36.8	34.8
10-11 AM	1894	0.0	617	0.0	1499	1502	392	1010	7.55	169	68.4	27.2	30.8	36.8	34.9
11A-NOON	1993	0.0	650	0.0	1500	1507	487	1136	7.77	175	68.2	26.8	30.8	36.6	34.3
NOON-1PM	2074	0.0	675	0.0	1500	1505	569	1244+	7.96	180	68.2	26.3	30.8	36.5	33.8
1-2 PM	2140	0.0	697	0.0	1500	1505	635	1332+	8.12	185	68.1	26.0	30.8	36.4	33.3
2-3 PM	2327	0.0	758	0.0	1500	1515	812	1570+	8.57	197	67.8	25.1	30.8	36.1	32.2
3-4 PM	2636	0.0	858	0.0	1500	1527	1109	1967+	9.40	220	67.4	23.6	30.8	35.6	30.2
4-5 PM	3118	0.0	1016	0.0	1500	1538	1580	2596+	10.96	262	66.9	21.2	30.8	34.8	27.3
5-6 PM	2842	0.0	926	0.0	1500	1461	1381	2307+	10.21	242	67.2	22.4	30.8	35.3	28.6
6-7 PM	1986	0.0	647	0.0	1500	1439	547	1194	7.87	179	68.2	26.5	31.1	36.6	34.0
7-8 PM	1503	0.0	490	0.0	1499	1440	63	553	6.48	141	68.9	29.9	30.8	37.4	37.1
8-9 PM	1258	0.0	409	0.0	1499	1258	0	409	1.76	30	69.2	51.0	35.6	37.8	37.8
9-10 PM	1047	0.0	341	0.0	1500	1047	0	341	0.59	0	69.4	62.0	41.5	38.1	38.1
10-11 PM	767	0.0	250	0.0	1500	767	0	250	0.56	0	69.8	62.6	42.5	38.6	38.6
11PM-MID	505	0.0	164	0.0	1500	505	0	164	0.53	0	70.1	63.2	43.5	38.9	38.9

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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	0.0228
DIVERSION	0.2319

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$68,298
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) 2 LANE 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

