

USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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		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	526	0.0	313	0.0	3000	526	0	313	0.36	0	70.0	54.0	49.7	38.1	38.1
1-2 AM	326	0.0	194	0.0	3000	326	0	194	0.36	0	70.2	54.0	49.7	38.8	38.8
2-3 AM	310	0.0	183	0.0	3000	310	0	183	0.36	0	70.2	54.0	49.7	38.8	38.8
3-4 AM	226	0.0	134	0.0	3000	226	0	134	0.36	0	70.2	54.0	49.7	39.1	39.1
4-5 AM	202	0.0	120	0.0	3000	202	0	120	0.36	0	70.2	54.0	49.7	39.1	39.1
5-6 AM	407	0.0	242	0.0	3000	407	0	242	0.36	0	70.2	54.0	49.7	38.5	38.5
6-7 AM	791	0.0	470	0.0	3000	791	0	470	0.35	0	69.7	53.9	49.7	37.3	37.3
7-8 AM	1176	0.0	699	0.0	3000	1176	0	699	0.35	0	69.2	53.8	49.7	36.1	36.1
8-9 AM	1551	0.0	921	0.0	3000	1551	0	921	0.34	0	68.8	53.7	49.7	35.0	35.0
9-10 AM	1958	0.0	1163	0.0	3000	1958	0	1163	0.34	0	68.3	53.7	49.7	33.8	33.8
10-11 AM	2245	0.0	1332	0.0	3000	2245	0	1332+	0.33	0	67.9	53.6	49.7	32.9	32.9
11A-NOON	2455	0.0	1458	0.0	3000	2455	0	1458+	0.37	0	67.7	52.0	47.9	32.2	32.2
NOON-1PM	2390	0.0	1419	0.0	3000	2390	0	1419+	0.33	0	67.8	53.5	49.6	32.5	32.5
1-2 PM	2404	0.0	1427	0.0	3000	2404	0	1427+	0.34	0	67.8	53.2	49.2	32.4	32.4
2-3 PM	2409	0.0	1430	0.0	3000	2409	0	1430+	0.34	0	67.8	53.0	49.1	32.4	32.4
3-4 PM	2228	0.0	1323	0.0	3000	2228	0	1323+	0.33	0	67.9	53.6	49.7	32.9	32.9
4-5 PM	2175	0.0	1291	0.0	3000	2175	0	1291+	0.33	0	68.0	53.6	49.7	33.1	33.1
5-6 PM	1932	0.0	1147	0.0	3000	1932	0	1147	0.34	0	68.3	53.7	49.7	33.8	33.8
6-7 PM	1757	0.0	1043	0.0	3000	1757	0	1043	0.34	0	68.6	53.7	49.7	34.4	34.4
7-8 PM	1435	0.0	852	0.0	3000	1435	0	852	0.34	0	68.9	53.8	49.7	35.3	35.3
8-9 PM	1315	0.0	781	0.0	3000	1315	0	781	0.35	0	69.1	53.8	49.7	35.7	35.7
9-10 PM	1223	0.0	726	0.0	3000	1223	0	726	0.35	0	69.2	53.8	49.7	36.0	36.0
10-11 PM	1050	0.0	623	0.0	3000	1050	0	623	0.35	0	69.4	53.8	49.7	36.5	36.5
11PM-MID	760	0.0	451	0.0	3000	760	0	451	0.35	0	69.8	53.9	49.7	37.4	37.4

+ 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	0.0074
MAIN ROUTE WITH WORKS	0.0052
DIVERSION	0.0305

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,792
CONGESTED HOURS PER DAY*	0

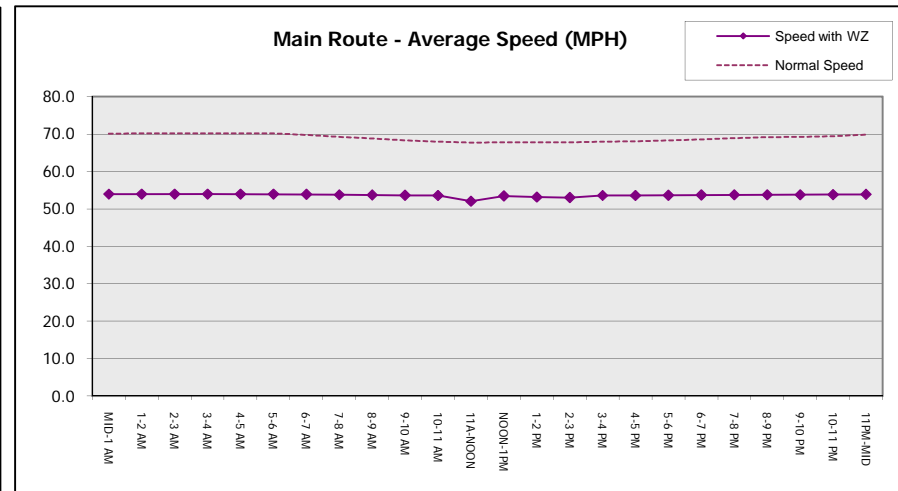
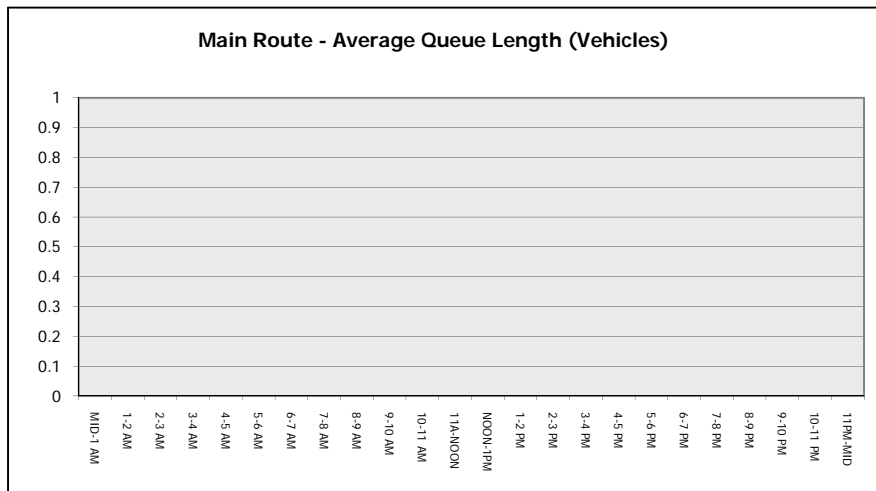
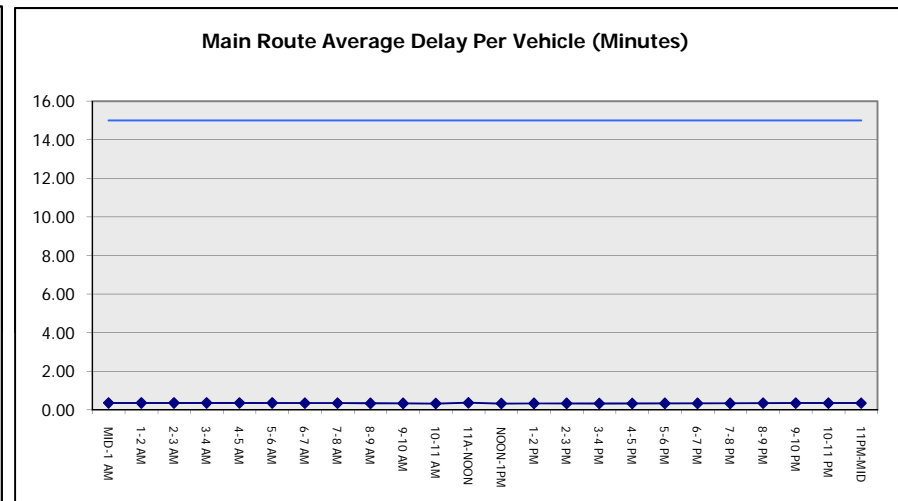
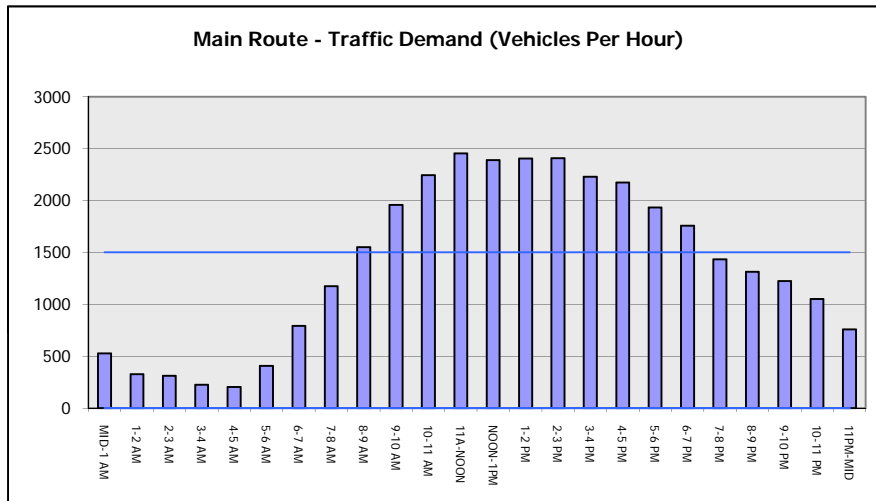
*Delays Exceeding 15 Minutes

USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY WESTBOUND DIRECTION



USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	483	0.0	288	0.0	3000	483	0	288	0.36	0	70.1	54.0	49.7	38.3	38.3
1-2 AM	302	0.0	179	0.0	3000	302	0	179	0.36	0	70.2	54.0	49.7	38.8	38.8
2-3 AM	271	0.0	161	0.0	3000	271	0	161	0.36	0	70.2	54.0	49.7	38.9	38.9
3-4 AM	181	0.0	108	0.0	3000	181	0	108	0.36	0	70.2	54.0	49.7	39.2	39.2
4-5 AM	204	0.0	121	0.0	3000	204	0	121	0.36	0	70.2	54.0	49.7	39.1	39.1
5-6 AM	330	0.0	196	0.0	3000	330	0	196	0.36	0	70.2	54.0	49.7	38.8	38.8
6-7 AM	686	0.0	408	0.0	3000	686	0	408	0.36	0	69.9	53.9	49.7	37.6	37.6
7-8 AM	1160	0.0	690	0.0	3000	1160	0	690	0.35	0	69.3	53.8	49.7	36.2	36.2
8-9 AM	1576	0.0	935	0.0	3000	1576	0	935	0.34	0	68.7	53.7	49.7	35.0	35.0
9-10 AM	1946	0.0	1156	0.0	3000	1946	0	1156	0.34	0	68.3	53.7	49.7	33.8	33.8
10-11 AM	2292	0.0	1360	0.0	3000	2292	0	1360+	0.33	0	67.9	53.6	49.7	32.7	32.7
11A-NOON	2520	0.0	1496	0.0	3000	2520	0	1496+	0.41	0	67.6	50.7	46.3	32.0	32.0
NOON-1PM	2624	0.0	1558	0.0	3000	2624	0	1558+	0.48	0	67.5	48.6	44.0	31.7	31.7
1-2 PM	2552	0.0	1516	0.0	3000	2552	0	1516+	0.44	0	67.6	50.0	45.6	31.9	31.9
2-3 PM	2519	0.0	1495	0.0	3000	2519	0	1495+	0.41	0	67.6	50.7	46.4	32.0	32.0
3-4 PM	2482	0.0	1474	0.0	3000	2482	0	1474+	0.39	0	67.6	51.4	47.3	32.2	32.2
4-5 PM	2401	0.0	1426	0.0	3000	2401	0	1426+	0.34	0	67.8	53.2	49.3	32.4	32.4
5-6 PM	2163	0.0	1284	0.0	3000	2163	0	1284+	0.33	0	68.1	53.6	49.7	33.2	33.2
6-7 PM	1738	0.0	1032	0.0	3000	1738	0	1032	0.34	0	68.6	53.7	49.7	34.5	34.5
7-8 PM	1418	0.0	842	0.0	3000	1418	0	842	0.34	0	69.0	53.8	49.7	35.4	35.4
8-9 PM	1319	0.0	784	0.0	3000	1319	0	784	0.35	0	69.1	53.8	49.7	35.7	35.7
9-10 PM	1196	0.0	710	0.0	3000	1196	0	710	0.35	0	69.2	53.8	49.7	36.1	36.1
10-11 PM	941	0.0	559	0.0	3000	941	0	559	0.35	0	69.6	53.8	49.7	36.9	36.9
11PM-MID	755	0.0	449	0.0	3000	755	0	449	0.35	0	69.8	53.9	49.7	37.4	37.4

+ 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	0.0076
MAIN ROUTE WITH WORKS	0.0053
DIVERSION	0.0312

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,122
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

