

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

SUNDAY 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	532	0.0	316	0.0	3000	532	0	316	0.36	0	70.0	54.0	49.7	38.1	38.1
1-2 AM	363	0.0	216	0.0	3000	363	0	216	0.36	0	70.2	54.0	49.7	38.6	38.6
2-3 AM	347	0.0	206	0.0	3000	347	0	206	0.36	0	70.2	54.0	49.7	38.7	38.7
3-4 AM	220	0.0	131	0.0	3000	220	0	131	0.36	0	70.2	54.0	49.7	39.1	39.1
4-5 AM	299	0.0	178	0.0	3000	299	0	178	0.36	0	70.2	54.0	49.7	38.8	38.8
5-6 AM	222	0.0	132	0.0	3000	222	0	132	0.36	0	70.2	54.0	49.7	39.1	39.1
6-7 AM	399	0.0	236	0.0	3000	399	0	236	0.36	0	70.2	54.0	49.7	38.5	38.5
7-8 AM	499	0.0	296	0.0	3000	499	0	296	0.36	0	70.1	54.0	49.7	38.2	38.2
8-9 AM	748	0.0	445	0.0	3000	748	0	445	0.35	0	69.8	53.9	49.7	37.4	37.4
9-10 AM	1194	0.0	708	0.0	3000	1194	0	708	0.35	0	69.2	53.8	49.7	36.1	36.1
10-11 AM	1791	0.0	1063	0.0	3000	1791	0	1063	0.34	0	68.5	53.7	49.7	34.3	34.3
11A-NOON	2011	0.0	1194	0.0	3000	2011	0	1194	0.33	0	68.2	53.7	49.7	33.6	33.6
NOON-1PM	2286	0.0	1357	0.0	3000	2286	0	1357+	0.33	0	67.9	53.6	49.7	32.8	32.8
1-2 PM	2295	0.0	1362	0.0	3000	2295	0	1362+	0.33	0	67.9	53.6	49.7	32.7	32.7
2-3 PM	2356	0.0	1399	0.0	3000	2356	0	1399+	0.33	0	67.8	53.6	49.7	32.5	32.5
3-4 PM	2240	0.0	1330	0.0	3000	2240	0	1330+	0.33	0	67.9	53.6	49.7	32.9	32.9
4-5 PM	2153	0.0	1279	0.0	3000	2153	0	1279+	0.33	0	68.1	53.6	49.7	33.2	33.2
5-6 PM	2048	0.0	1216	0.0	3000	2048	0	1216+	0.33	0	68.2	53.7	49.7	33.5	33.5
6-7 PM	1888	0.0	1122	0.0	3000	1888	0	1122	0.34	0	68.4	53.7	49.7	34.0	34.0
7-8 PM	1581	0.0	940	0.0	3000	1581	0	940	0.34	0	68.7	53.7	49.7	34.9	34.9
8-9 PM	1405	0.0	834	0.0	3000	1405	0	834	0.34	0	69.0	53.8	49.7	35.5	35.5
9-10 PM	1157	0.0	687	0.0	3000	1157	0	687	0.35	0	69.3	53.8	49.7	36.2	36.2
10-11 PM	802	0.0	476	0.0	3000	802	0	476	0.35	0	69.7	53.9	49.7	37.3	37.3
11PM-MID	499	0.0	296	0.0	3000	499	0	296	0.36	0	70.1	54.0	49.7	38.2	38.2

+ 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	0.0065
MAIN ROUTE WITH WORKS	0.0046
DIVERSION	0.0269

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,455
CONGESTED HOURS PER DAY*	0

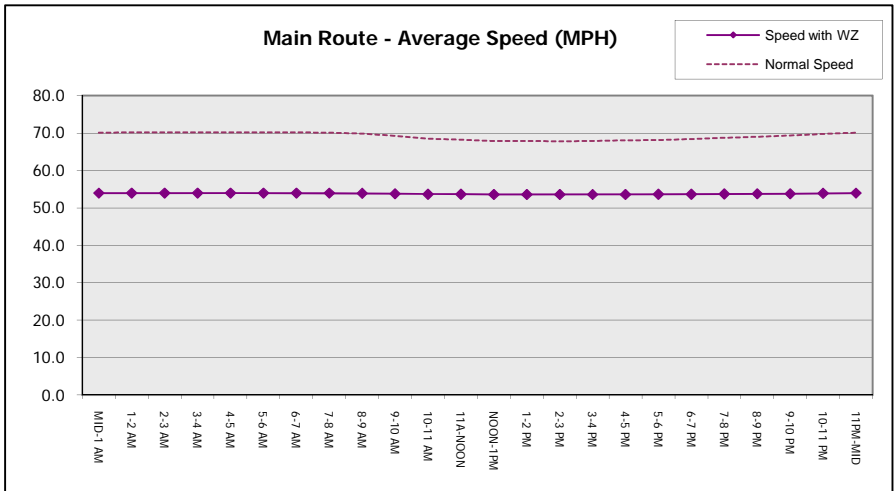
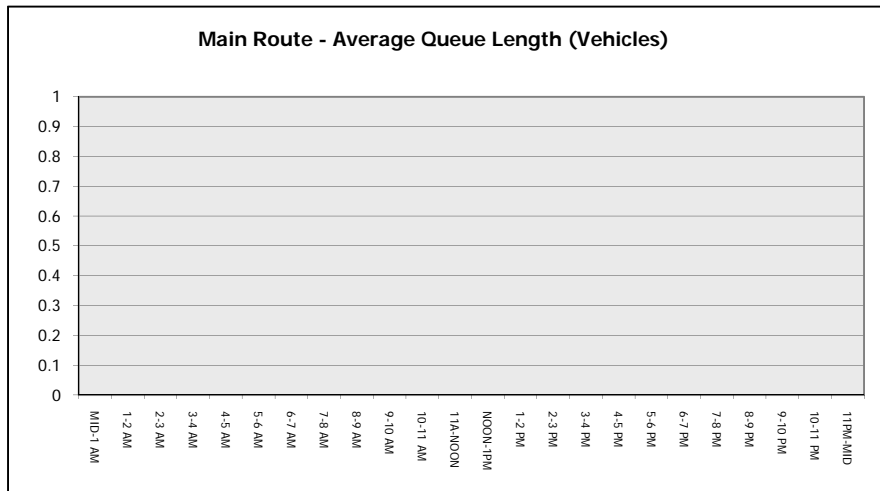
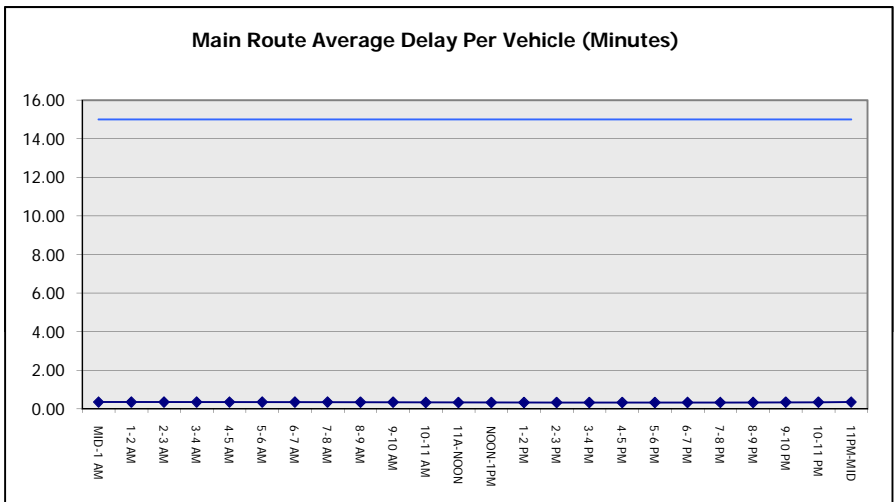
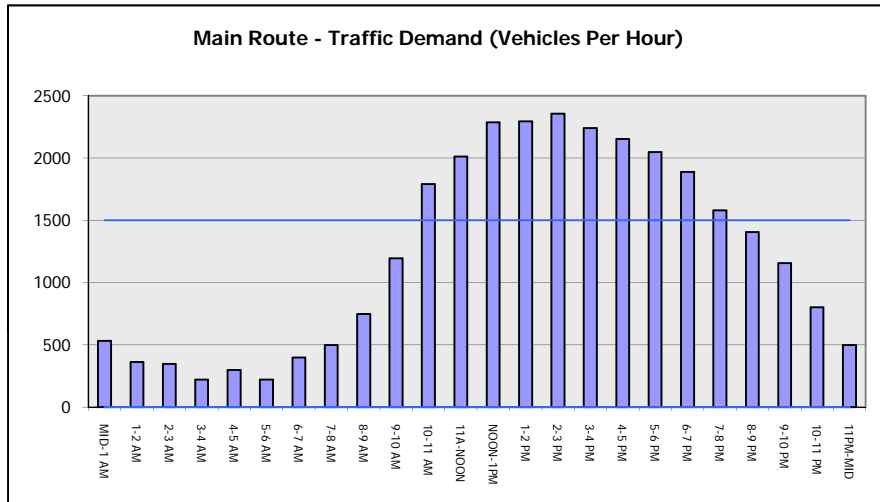
*Delays Exceeding 15 Minutes

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

SUNDAY 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

SUNDAY 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	494	0.0	293	0.0	3000	494	0	293	0.36	0	70.1	54.0	49.7	38.3	38.3
1-2 AM	300	0.0	178	0.0	3000	300	0	178	0.36	0	70.2	54.0	49.7	38.8	38.8
2-3 AM	246	0.0	146	0.0	3000	246	0	146	0.36	0	70.2	54.0	49.7	39.0	39.0
3-4 AM	160	0.0	95	0.0	3000	160	0	95	0.36	0	70.2	54.0	49.7	39.2	39.2
4-5 AM	155	0.0	92	0.0	3000	155	0	92	0.36	0	70.2	54.0	49.7	39.2	39.2
5-6 AM	194	0.0	115	0.0	3000	194	0	115	0.36	0	70.2	54.0	49.7	39.1	39.1
6-7 AM	377	0.0	224	0.0	3000	377	0	224	0.36	0	70.2	54.0	49.7	38.6	38.6
7-8 AM	648	0.0	384	0.0	3000	648	0	384	0.36	0	69.9	53.9	49.7	37.8	37.8
8-9 AM	1018	0.0	605	0.0	3000	1018	0	605	0.35	0	69.5	53.8	49.7	36.6	36.6
9-10 AM	1551	0.0	921	0.0	3000	1551	0	921	0.34	0	68.8	53.7	49.7	35.0	35.0
10-11 AM	1999	0.0	1187	0.0	3000	1999	0	1187	0.33	0	68.2	53.7	49.7	33.7	33.7
11A-NOON	2157	0.0	1281	0.0	3000	2157	0	1281+	0.33	0	68.1	53.6	49.7	33.2	33.2
NOON-1PM	2233	0.0	1326	0.0	3000	2233	0	1326+	0.33	0	67.9	53.6	49.7	32.9	32.9
1-2 PM	2368	0.0	1406	0.0	3000	2368	0	1406+	0.33	0	67.8	53.5	49.7	32.5	32.5
2-3 PM	2382	0.0	1414	0.0	3000	2382	0	1414+	0.33	0	67.8	53.5	49.7	32.5	32.5
3-4 PM	2549	0.0	1514	0.0	3000	2549	0	1514+	0.43	0	67.6	50.1	45.6	32.0	32.0
4-5 PM	2511	0.0	1491	0.0	3000	2511	0	1491+	0.41	0	67.6	50.9	46.5	32.1	32.1
5-6 PM	2216	0.0	1316	0.0	3000	2216	0	1316+	0.33	0	68.0	53.6	49.7	33.0	33.0
6-7 PM	1830	0.0	1087	0.0	3000	1830	0	1087	0.34	0	68.4	53.7	49.7	34.2	34.2
7-8 PM	1560	0.0	927	0.0	3000	1560	0	927	0.34	0	68.8	53.7	49.7	35.0	35.0
8-9 PM	1321	0.0	784	0.0	3000	1321	0	784	0.35	0	69.1	53.8	49.7	35.7	35.7
9-10 PM	1025	0.0	609	0.0	3000	1025	0	609	0.35	0	69.4	53.8	49.7	36.6	36.6
10-11 PM	630	0.0	374	0.0	3000	630	0	374	0.36	0	69.9	53.9	49.7	37.8	37.8
11PM-MID	430	0.0	255	0.0	3000	430	0	255	0.36	0	70.2	54.0	49.7	38.4	38.4

+ 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	0.0068
MAIN ROUTE WITH WORKS	0.0047
DIVERSION	0.0278

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,646
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
SUNDAY EASTBOUND DIRECTION

