

USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51	MAY
	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		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	467	0.0	277	0.0	3000	467	0	277	0.36	0	70.2	54.0	49.7	38.3	38.3
1-2 AM	289	0.0	172	0.0	3000	289	0	172	0.36	0	70.2	54.0	49.7	38.9	38.9
2-3 AM	273	0.0	162	0.0	3000	273	0	162	0.36	0	70.2	54.0	49.7	38.9	38.9
3-4 AM	211	0.0	126	0.0	3000	211	0	126	0.36	0	70.2	54.0	49.7	39.1	39.1
4-5 AM	291	0.0	173	0.0	3000	291	0	173	0.36	0	70.2	54.0	49.7	38.9	38.9
5-6 AM	414	0.0	246	0.0	3000	414	0	246	0.36	0	70.2	54.0	49.7	38.5	38.5
6-7 AM	742	0.0	441	0.0	3000	742	0	441	0.35	0	69.8	53.9	49.7	37.5	37.5
7-8 AM	1079	0.0	640	0.0	3000	1079	0	640	0.35	0	69.4	53.8	49.7	36.5	36.5
8-9 AM	1574	0.0	934	0.0	3000	1574	0	934	0.34	0	68.8	53.7	49.7	35.0	35.0
9-10 AM	1932	0.0	1147	0.0	3000	1932	0	1147	0.34	0	68.3	53.7	49.7	33.8	33.8
10-11 AM	2235	0.0	1327	0.0	3000	2235	0	1327+	0.33	0	67.9	53.6	49.7	32.9	32.9
11A-NOON	2383	0.0	1415	0.0	3000	2383	0	1415+	0.33	0	67.8	53.5	49.7	32.5	32.5
NOON-1PM	2479	0.0	1472	0.0	3000	2479	0	1472+	0.39	0	67.6	51.5	47.3	32.2	32.2
1-2 PM	2369	0.0	1406	0.0	3000	2369	0	1406+	0.33	0	67.8	53.5	49.7	32.5	32.5
2-3 PM	2306	0.0	1370	0.0	3000	2306	0	1370+	0.33	0	67.9	53.6	49.7	32.7	32.7
3-4 PM	2265	0.0	1346	0.0	3000	2265	0	1346+	0.33	0	67.9	53.6	49.7	32.9	32.9
4-5 PM	2239	0.0	1330	0.0	3000	2239	0	1330+	0.33	0	67.9	53.6	49.7	32.9	32.9
5-6 PM	2015	0.0	1197	0.0	3000	2015	0	1197	0.33	0	68.2	53.7	49.7	33.6	33.6
6-7 PM	1762	0.0	1046	0.0	3000	1762	0	1046	0.34	0	68.6	53.7	49.7	34.3	34.3
7-8 PM	1458	0.0	865	0.0	3000	1458	0	865	0.34	0	68.9	53.8	49.7	35.3	35.3
8-9 PM	1296	0.0	770	0.0	3000	1296	0	770	0.35	0	69.1	53.8	49.7	35.8	35.8
9-10 PM	1119	0.0	664	0.0	3000	1119	0	664	0.35	0	69.4	53.8	49.7	36.3	36.3
10-11 PM	1019	0.0	606	0.0	3000	1019	0	606	0.35	0	69.5	53.8	49.7	36.6	36.6
11PM-MID	691	0.0	410	0.0	3000	691	0	410	0.36	0	69.9	53.9	49.7	37.6	37.6

+ 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	0.0073
MAIN ROUTE WITH WORKS	0.0051
DIVERSION	0.0302

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,744
CONGESTED HOURS PER DAY*	0

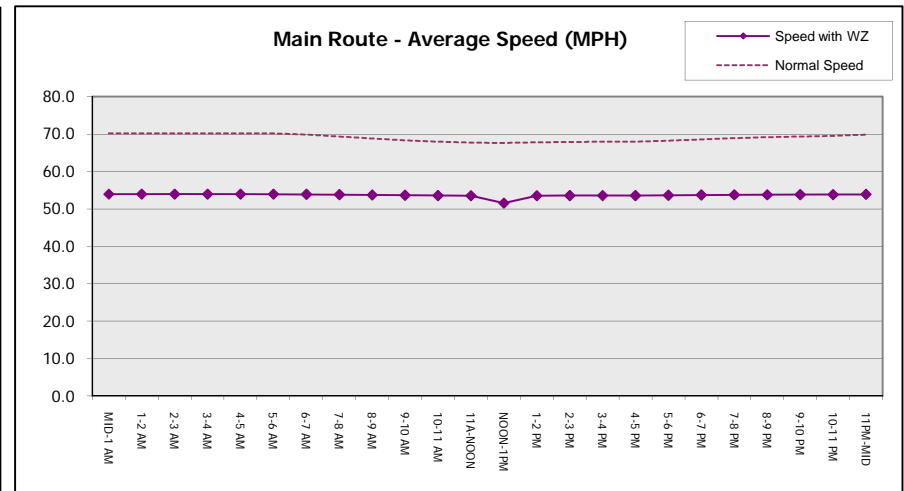
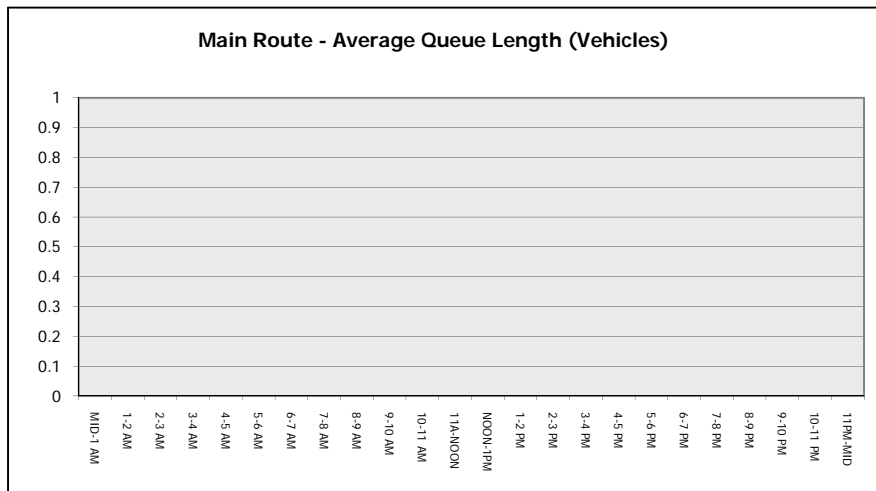
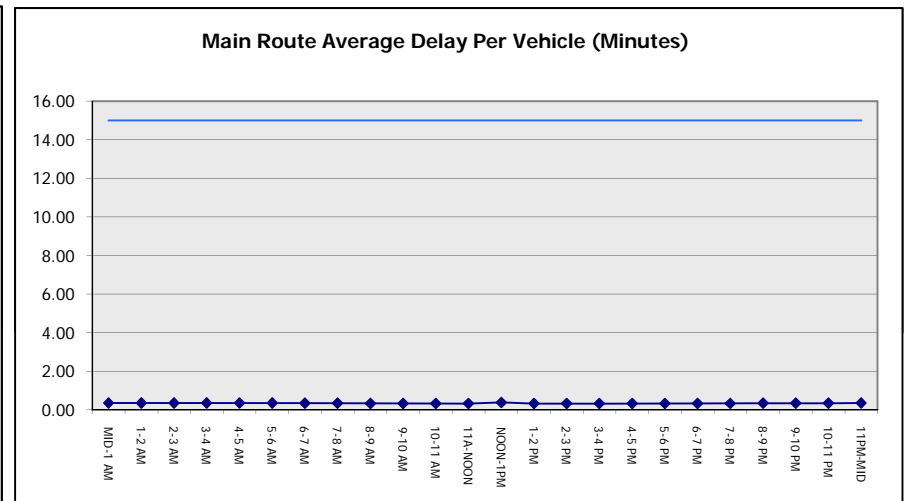
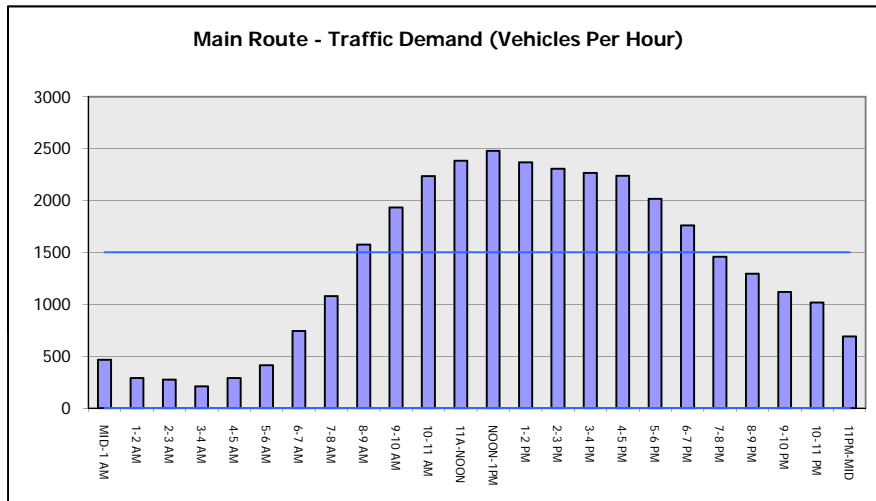
*Delays Exceeding 15 Minutes

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

MAY
 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	MAY
	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	458	0.0	272	0.0	3000	458	0	272	0.36	0	70.2	54.0	49.7	38.3	38.3
1-2 AM	281	0.0	166	0.0	3000	281	0	166	0.36	0	70.2	54.0	49.7	38.9	38.9
2-3 AM	266	0.0	158	0.0	3000	266	0	158	0.36	0	70.2	54.0	49.7	38.9	38.9
3-4 AM	167	0.0	99	0.0	3000	167	0	99	0.36	0	70.2	54.0	49.7	39.2	39.2
4-5 AM	179	0.0	106	0.0	3000	179	0	106	0.36	0	70.2	54.0	49.7	39.2	39.2
5-6 AM	361	0.0	215	0.0	3000	361	0	215	0.36	0	70.2	54.0	49.7	38.6	38.6
6-7 AM	684	0.0	406	0.0	3000	684	0	406	0.36	0	69.9	53.9	49.7	37.6	37.6
7-8 AM	1221	0.0	725	0.0	3000	1221	0	725	0.35	0	69.2	53.8	49.7	36.0	36.0
8-9 AM	1635	0.0	971	0.0	3000	1635	0	971	0.34	0	68.7	53.7	49.7	34.8	34.8
9-10 AM	1945	0.0	1155	0.0	3000	1945	0	1155	0.34	0	68.3	53.7	49.7	33.8	33.8
10-11 AM	2229	0.0	1324	0.0	3000	2229	0	1324+	0.33	0	67.9	53.6	49.7	32.9	32.9
11A-NOON	2375	0.0	1411	0.0	3000	2375	0	1411+	0.33	0	67.8	53.5	49.7	32.5	32.5
NOON-1PM	2479	0.0	1472	0.0	3000	2479	0	1472+	0.39	0	67.6	51.5	47.3	32.2	32.2
1-2 PM	2450	0.0	1454	0.0	3000	2450	0	1454+	0.37	0	67.7	52.2	48.1	32.3	32.3
2-3 PM	2407	0.0	1429	0.0	3000	2407	0	1429+	0.34	0	67.8	53.1	49.2	32.4	32.4
3-4 PM	2466	0.0	1465	0.0	3000	2466	0	1465+	0.38	0	67.7	51.8	47.6	32.2	32.2
4-5 PM	2316	0.0	1375	0.0	3000	2316	0	1375+	0.33	0	67.9	53.6	49.7	32.7	32.7
5-6 PM	2035	0.0	1209	0.0	3000	2035	0	1209+	0.33	0	68.2	53.7	49.7	33.5	33.5
6-7 PM	1753	0.0	1041	0.0	3000	1753	0	1041	0.34	0	68.6	53.7	49.7	34.4	34.4
7-8 PM	1511	0.0	897	0.0	3000	1511	0	897	0.34	0	68.9	53.7	49.7	35.1	35.1
8-9 PM	1312	0.0	780	0.0	3000	1312	0	780	0.35	0	69.1	53.8	49.7	35.7	35.7
9-10 PM	1256	0.0	746	0.0	3000	1256	0	746	0.35	0	69.2	53.8	49.7	35.9	35.9
10-11 PM	974	0.0	579	0.0	3000	974	0	579	0.35	0	69.6	53.8	49.7	36.8	36.8
11PM-MID	795	0.0	472	0.0	3000	795	0	472	0.35	0	69.7	53.9	49.7	37.3	37.3

+ 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	0.0075
MAIN ROUTE WITH WORKS	0.0053
DIVERSION	0.0308

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,856
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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY EASTBOUND DIRECTION

