

USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY) OFF-PEAK DAY 2 LANE 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	OFF	467	0	277	0.00	0	70.2	70.2	70.2	38.3	38.3
1-2 AM	289	0.0	172	0.0	OFF	289	0	172	0.00	0	70.2	70.2	70.2	38.9	38.9
2-3 AM	273	0.0	162	0.0	OFF	273	0	162	0.00	0	70.2	70.2	70.2	38.9	38.9
3-4 AM	211	0.0	126	0.0	OFF	211	0	126	0.00	0	70.2	70.2	70.2	39.1	39.1
4-5 AM	291	0.0	173	0.0	OFF	291	0	173	0.00	0	70.2	70.2	70.2	38.9	38.9
5-6 AM	414	0.0	246	0.0	OFF	414	0	246	0.00	0	70.2	70.2	70.2	38.5	38.5
6-7 AM	742	0.0	441	0.0	OFF	742	0	441	0.00	0	69.8	69.8	69.8	37.5	37.5
7-8 AM	1079	0.0	640	0.0	OFF	1079	0	640	0.00	0	69.4	69.4	69.4	36.5	36.5
8-9 AM	1574	0.0	934	0.0	1499	1574	0	934	1.69	22	68.8	28.8	31.1	35.0	35.0
9-10 AM	1932	0.0	1147	0.0	1500	1879	52	1199	10.75	276	68.3	8.7	30.8	33.8	33.9
10-11 AM	2235	0.0	1327	0.0	1499	1513	722	2049+	19.09	471	67.9	6.2	30.8	32.9	29.9
11A-NOON	2383	0.0	1415	0.0	1500	1520	862	2277+	19.96	494	67.8	6.1	30.8	32.5	28.8
NOON-1PM	2479	0.0	1472	0.0	1499	1511	968	2440+	20.63	512	67.6	6.0	30.8	32.2	28.0
1-2 PM	2369	0.0	1406	0.0	1500	1478	891	2298+	20.04	496	67.8	6.1	30.8	32.5	28.7
2-3 PM	2306	0.0	1370	0.0	1500	1491	815	2185+	19.60	485	67.9	6.1	30.8	32.7	29.2
3-4 PM	2265	0.0	1346	0.0	1500	1494	771	2117+	19.34	478	67.9	6.2	30.8	32.9	29.6
4-5 PM	2239	0.0	1330	0.0	1499	1492	747	2077+	19.20	474	67.9	6.2	30.8	32.9	29.8
5-6 PM	2015	0.0	1197	0.0	1500	1465	551	1748+	18.05	444	68.2	6.4	30.8	33.6	31.4
6-7 PM	1762	0.0	1046	0.0	OFF	1762	0	1046	0.23	22	68.6	57.6	57.6	34.3	34.3
7-8 PM	1458	0.0	865	0.0	OFF	1458	0	865	0.00	0	68.9	68.9	68.9	35.3	35.3
8-9 PM	1296	0.0	770	0.0	OFF	1296	0	770	0.00	0	69.1	69.1	69.1	35.8	35.8
9-10 PM	1119	0.0	664	0.0	OFF	1119	0	664	0.00	0	69.4	69.4	69.4	36.3	36.3
10-11 PM	1019	0.0	606	0.0	OFF	1019	0	606	0.00	0	69.5	69.5	69.5	36.6	36.6
11PM-MID	691	0.0	410	0.0	OFF	691	0	410	0.00	0	69.9	69.9	69.9	37.6	37.6

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0049
DIVERSION	0.0400

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$129,040
CONGESTED HOURS PER DAY*	8

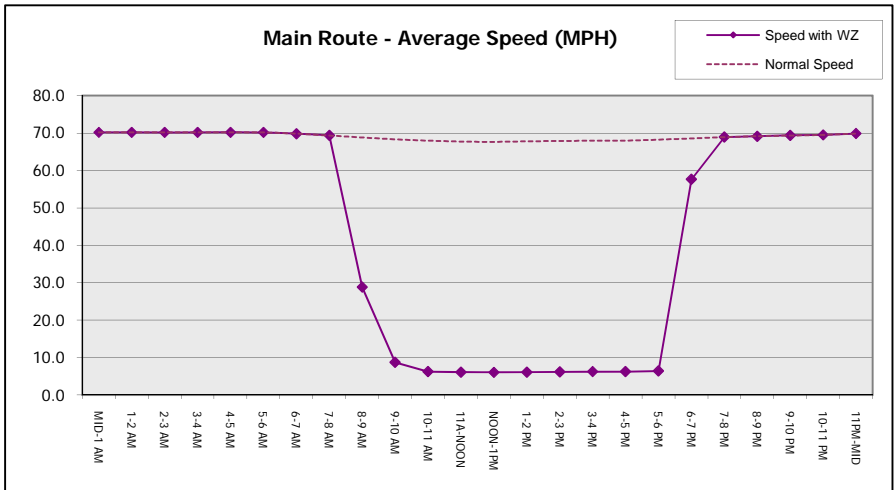
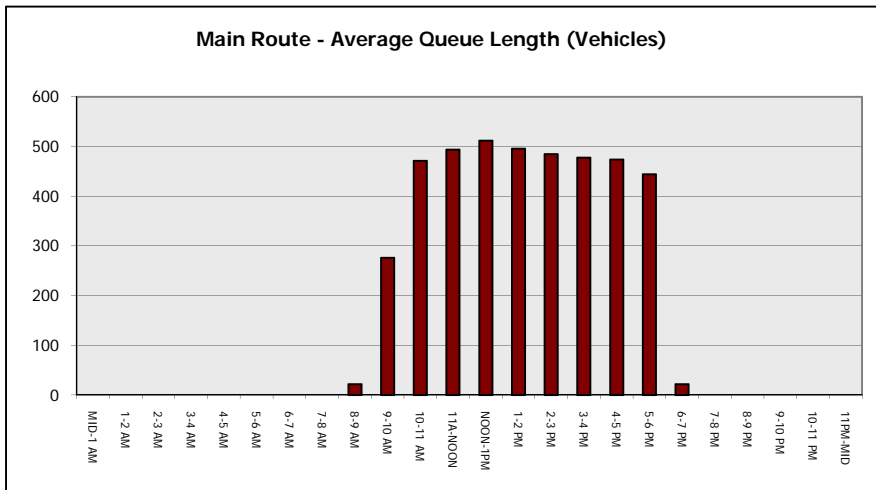
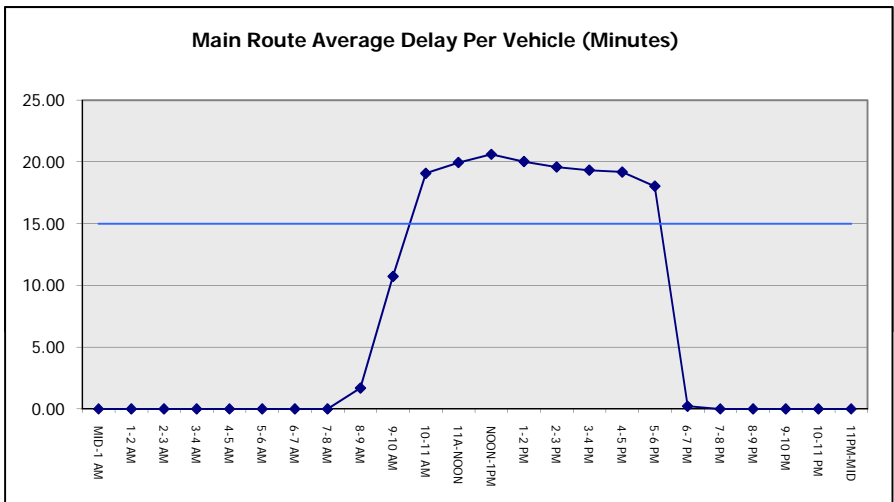
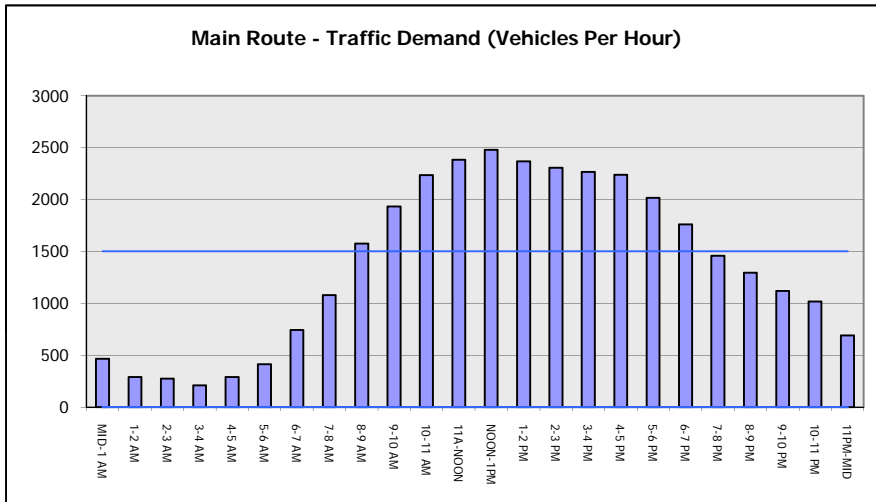
*Delays Exceeding 15 Minutes

USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)
OFF-PEAK DAY 2 LANE 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) OFF-PEAK DAY 2 LANE CLOSURE DIVERSION ROUTE: IH 39/90 - STH 30 - USH 51	MAY Analyzed for 2009 Construction Season
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SUMMARY OF TRAFFIC MODEL OUTPUT	
SATURDAY	EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			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		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	458	0.0	272	0.0	OFF	458	0	272	0.00	0	70.2	70.2	70.2	38.3	38.3
1-2 AM	281	0.0	166	0.0	OFF	281	0	166	0.00	0	70.2	70.2	70.2	38.9	38.9
2-3 AM	266	0.0	158	0.0	OFF	266	0	158	0.00	0	70.2	70.2	70.2	38.9	38.9
3-4 AM	167	0.0	99	0.0	OFF	167	0	99	0.00	0	70.2	70.2	70.2	39.2	39.2
4-5 AM	179	0.0	106	0.0	OFF	179	0	106	0.00	0	70.2	70.2	70.2	39.2	39.2
5-6 AM	361	0.0	215	0.0	OFF	361	0	215	0.00	0	70.2	70.2	70.2	38.6	38.6
6-7 AM	684	0.0	406	0.0	OFF	684	0	406	0.00	0	69.9	69.9	69.9	37.6	37.6
7-8 AM	1221	0.0	725	0.0	OFF	1221	0	725	0.00	0	69.2	69.2	69.2	36.0	36.0
8-9 AM	1635	0.0	971	0.0	1499	1635	0	971	2.40	45	68.7	23.2	30.8	34.8	34.8
9-10 AM	1945	0.0	1155	0.0	1500	1809	137	1292+	12.64	320	68.3	7.8	30.8	33.8	33.5
10-11 AM	2229	0.0	1324	0.0	1499	1536	692	2016+	18.97	468	67.9	6.3	30.8	32.9	30.1
11A-NOON	2375	0.0	1411	0.0	1500	1520	855	2265+	19.91	493	67.8	6.1	30.8	32.5	28.9
NOON-1PM	2479	0.0	1472	0.0	1500	1514	965	2437+	20.61	511	67.6	6.0	30.8	32.2	28.0
1-2 PM	2450	0.0	1454	0.0	1500	1491	958	2413+	20.51	509	67.7	6.0	30.8	32.3	28.1
2-3 PM	2407	0.0	1429	0.0	1500	1495	912	2341+	20.22	501	67.8	6.1	30.8	32.4	28.5
3-4 PM	2466	0.0	1465	0.0	1499	1508	959	2423+	20.56	510	67.7	6.0	30.8	32.2	28.1
4-5 PM	2316	0.0	1375	0.0	1500	1468	848	2223+	19.75	489	67.9	6.1	30.8	32.7	29.1
5-6 PM	2035	0.0	1209	0.0	1500	1458	577	1786+	18.18	447	68.2	6.4	30.8	33.5	31.2
6-7 PM	1753	0.0	1041	0.0	OFF	1753	0	1041	0.23	22	68.6	57.6	57.6	34.4	34.4
7-8 PM	1511	0.0	897	0.0	OFF	1511	0	897	0.00	0	68.9	68.9	68.9	35.1	35.1
8-9 PM	1312	0.0	780	0.0	OFF	1312	0	780	0.00	0	69.1	69.1	69.1	35.7	35.7
9-10 PM	1256	0.0	746	0.0	OFF	1256	0	746	0.00	0	69.2	69.2	69.2	35.9	35.9
10-11 PM	974	0.0	579	0.0	OFF	974	0	579	0.00	0	69.6	69.6	69.6	36.8	36.8
11PM-MID	795	0.0	472	0.0	OFF	795	0	472	0.00	0	69.7	69.7	69.7	37.3	37.3

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0075
MAIN ROUTE WITH WORKS	0.0049
DIVERSION	0.0414

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$136,113
CONGESTED HOURS PER DAY*	8

*Delays Exceeding 15 Minutes

USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)
OFF-PEAK DAY 2 LANE 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

