

USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY) NIGHTTIME 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	1500	467	0	277	0.53	0	70.2	48.6	43.7	38.3	38.3
1-2 AM	289	0.0	172	0.0	1500	289	0	172	0.51	0	70.2	49.2	44.3	38.9	38.9
2-3 AM	273	0.0	162	0.0	1500	273	0	162	0.51	0	70.2	49.3	44.4	38.9	38.9
3-4 AM	211	0.0	126	0.0	1500	211	0	126	0.50	0	70.2	49.5	44.6	39.1	39.1
4-5 AM	291	0.0	173	0.0	1500	291	0	173	0.51	0	70.2	49.2	44.3	38.9	38.9
5-6 AM	414	0.0	246	0.0	1500	414	0	246	0.52	0	70.2	48.8	43.8	38.5	38.5
6-7 AM	742	0.0	441	0.0	1500	742	0	441	0.56	0	69.8	47.6	42.6	37.5	37.5
7-8 AM	1079	0.0	640	0.0	1499	1079	0	640	0.63	0	69.4	45.5	40.4	36.5	36.5
8-9 AM	1574	0.0	934	0.0	OFF	1574	0	934	0.00	0	68.8	68.8	68.8	35.0	35.0
9-10 AM	1932	0.0	1147	0.0	OFF	1932	0	1147	0.00	0	68.3	68.3	68.3	33.8	33.8
10-11 AM	2235	0.0	1327	0.0	OFF	2235	0	1327+	0.00	0	67.9	67.9	67.9	32.9	32.9
11A-NOON	2383	0.0	1415	0.0	OFF	2383	0	1415+	0.00	0	67.8	67.8	67.8	32.5	32.5
NOON-1PM	2479	0.0	1472	0.0	OFF	2479	0	1472+	0.00	0	67.6	67.6	67.6	32.2	32.2
1-2 PM	2369	0.0	1406	0.0	OFF	2369	0	1406+	0.00	0	67.8	67.8	67.8	32.5	32.5
2-3 PM	2306	0.0	1370	0.0	OFF	2306	0	1370+	0.00	0	67.9	67.9	67.9	32.7	32.7
3-4 PM	2265	0.0	1346	0.0	OFF	2265	0	1346+	0.00	0	67.9	67.9	67.9	32.9	32.9
4-5 PM	2239	0.0	1330	0.0	OFF	2239	0	1330+	0.00	0	67.9	67.9	67.9	32.9	32.9
5-6 PM	2015	0.0	1197	0.0	OFF	2015	0	1197	0.00	0	68.2	68.2	68.2	33.6	33.6
6-7 PM	1762	0.0	1046	0.0	1499	1762	0	1046	6.11	148	68.6	12.3	30.8	34.3	34.5
7-8 PM	1458	0.0	865	0.0	1499	1458	0	865	10.84	255	68.9	8.4	30.8	35.3	35.6
8-9 PM	1296	0.0	770	0.0	1499	1296	0	770	5.32	128	69.1	13.5	32.2	35.8	35.8
9-10 PM	1119	0.0	664	0.0	1500	1118	0	665	0.63	0	69.4	45.5	40.7	36.3	36.3
10-11 PM	1019	0.0	606	0.0	1500	1019	0	606	0.59	0	69.5	46.7	41.6	36.6	36.6
11PM-MID	691	0.0	410	0.0	1500	691	0	410	0.55	0	69.9	47.8	42.8	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	0.0066
DIVERSION	0.0302

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$10,319
CONGESTED HOURS PER DAY*	0

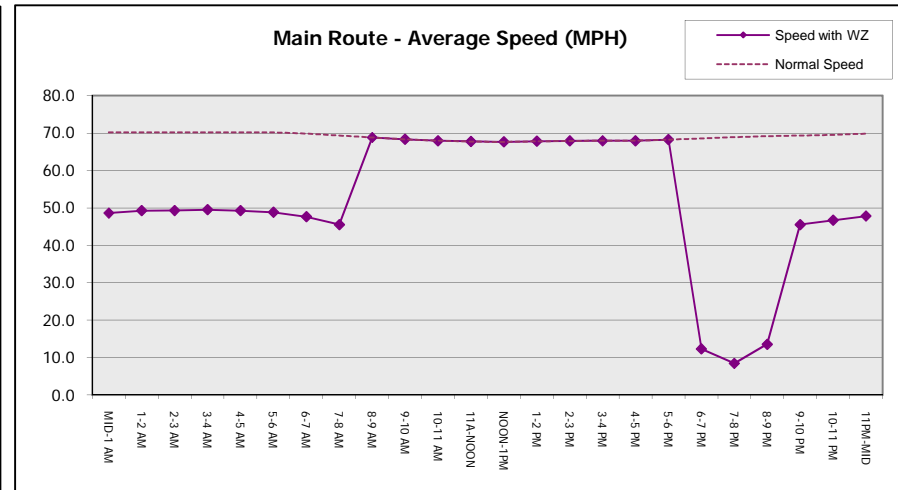
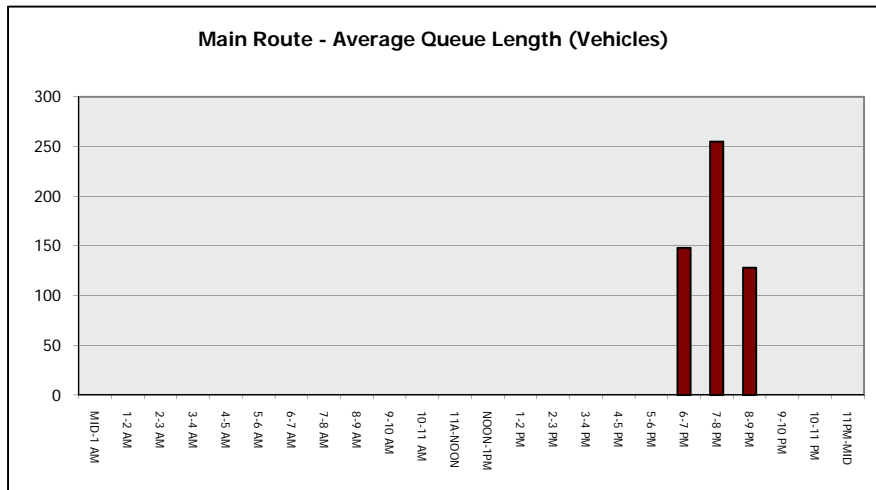
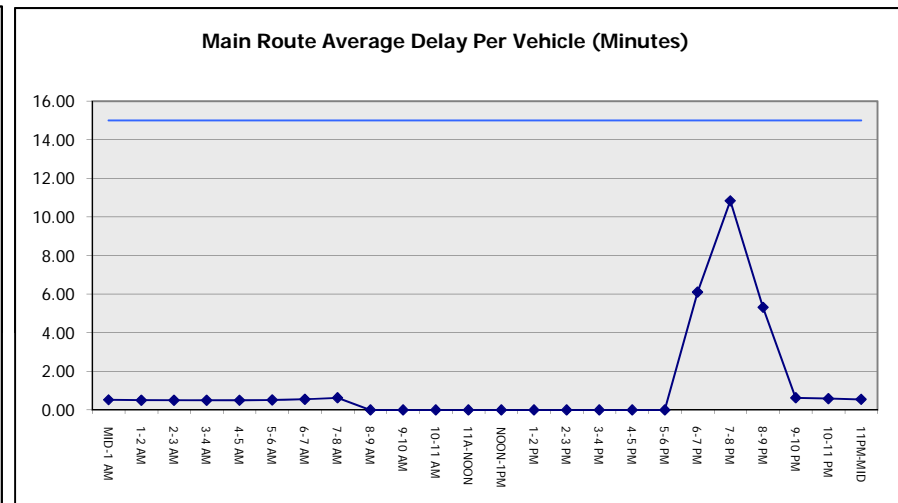
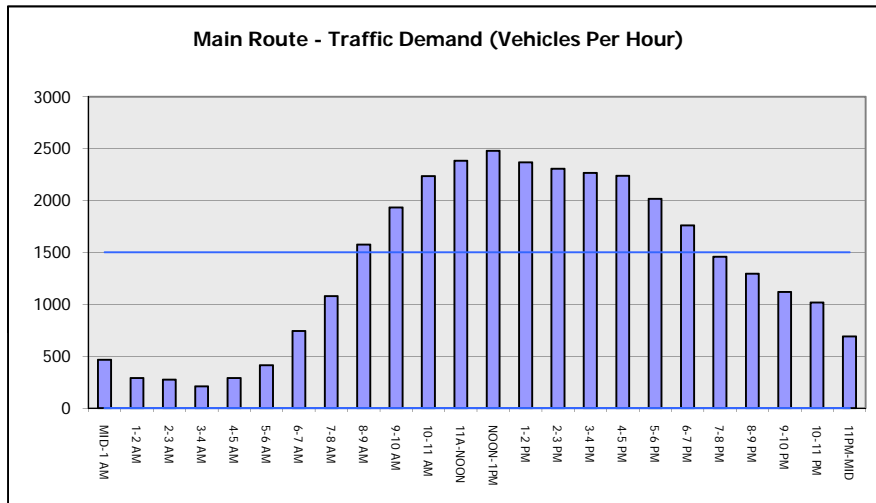
*Delays Exceeding 15 Minutes

USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)
NIGHTTIME 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) NIGHTTIME 2 LANE 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	1500	458	0	272	0.53	0	70.2	48.6	43.7	38.3	38.3
1-2 AM	281	0.0	166	0.0	1500	281	0	166	0.51	0	70.2	49.2	44.3	38.9	38.9
2-3 AM	266	0.0	158	0.0	1500	266	0	158	0.50	0	70.2	49.3	44.4	38.9	38.9
3-4 AM	167	0.0	99	0.0	1500	167	0	99	0.49	0	70.2	49.7	44.8	39.2	39.2
4-5 AM	179	0.0	106	0.0	1500	179	0	106	0.49	0	70.2	49.6	44.8	39.2	39.2
5-6 AM	361	0.0	215	0.0	1500	361	0	215	0.52	0	70.2	49.0	44.0	38.6	38.6
6-7 AM	684	0.0	406	0.0	1500	684	0	406	0.55	0	69.9	47.8	42.8	37.6	37.6
7-8 AM	1221	0.0	725	0.0	1499	1221	0	725	0.73	0	69.2	43.2	37.9	36.0	36.0
8-9 AM	1635	0.0	971	0.0	OFF	1635	0	971	0.00	0	68.7	68.7	68.7	34.8	34.8
9-10 AM	1945	0.0	1155	0.0	OFF	1945	0	1155	0.00	0	68.3	68.3	68.3	33.8	33.8
10-11 AM	2229	0.0	1324	0.0	OFF	2229	0	1324+	0.00	0	67.9	67.9	67.9	32.9	32.9
11A-NOON	2375	0.0	1411	0.0	OFF	2375	0	1411+	0.00	0	67.8	67.8	67.8	32.5	32.5
NOON-1PM	2479	0.0	1472	0.0	OFF	2479	0	1472+	0.00	0	67.6	67.6	67.6	32.2	32.2
1-2 PM	2450	0.0	1454	0.0	OFF	2450	0	1454+	0.00	0	67.7	67.7	67.7	32.3	32.3
2-3 PM	2407	0.0	1429	0.0	OFF	2407	0	1429+	0.00	0	67.8	67.8	67.8	32.4	32.4
3-4 PM	2466	0.0	1465	0.0	OFF	2466	0	1465+	0.00	0	67.7	67.7	67.7	32.2	32.2
4-5 PM	2316	0.0	1375	0.0	OFF	2316	0	1375+	0.00	0	67.9	67.9	67.9	32.7	32.7
5-6 PM	2035	0.0	1209	0.0	OFF	2035	0	1209+	0.00	0	68.2	68.2	68.2	33.5	33.5
6-7 PM	1753	0.0	1041	0.0	1499	1753	0	1041	5.91	142	68.6	12.5	30.8	34.4	34.5
7-8 PM	1511	0.0	897	0.0	1499	1511	0	897	11.48	272	68.9	8.1	30.8	35.1	35.5
8-9 PM	1312	0.0	780	0.0	1499	1312	0	780	7.51	177	69.1	10.7	31.4	35.7	35.9
9-10 PM	1256	0.0	746	0.0	1500	1256	0	746	1.14	14	69.2	35.6	36.1	35.9	35.9
10-11 PM	974	0.0	579	0.0	1500	974	0	579	0.58	0	69.6	46.8	41.8	36.8	36.8
11PM-MID	795	0.0	472	0.0	1500	795	0	472	0.56	0	69.7	47.4	42.4	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	0.0067
DIVERSION	0.0308

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$11,675
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

USH 12/18: USH 51 TO IH 39/90 (DANE COUNTY)
NIGHTTIME 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

