

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES) OFF-PEAK DAY 2 LANE CLOSURE DIVERSION ROUTE: USH 51 - STH 60	OCTOBER
	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	403	0.0	106	0.0	OFF	403	0	106	0.00	0	70.2	70.2	70.2	38.4	38.4
1-2 AM	295	0.0	77	0.0	OFF	295	0	77	0.00	0	70.2	70.2	70.2	38.8	38.8
2-3 AM	231	0.0	61	0.0	OFF	231	0	61	0.00	0	70.2	70.2	70.2	39.0	39.0
3-4 AM	230	0.0	61	0.0	OFF	230	0	61	0.00	0	70.2	70.2	70.2	39.0	39.0
4-5 AM	254	0.0	67	0.0	OFF	254	0	67	0.00	0	70.2	70.2	70.2	38.9	38.9
5-6 AM	441	0.0	116	0.0	OFF	441	0	116	0.00	0	70.2	70.2	70.2	38.3	38.3
6-7 AM	648	0.0	171	0.0	OFF	648	0	171	0.00	0	69.9	69.9	69.9	37.6	37.6
7-8 AM	1091	0.0	287	0.0	OFF	1091	0	287	0.00	0	69.4	69.4	69.4	36.2	36.2
8-9 AM	1506	0.0	395	0.0	1499	1506	0	395	1.49	12	68.9	60.7	31.7	34.8	34.8
9-10 AM	1842	0.0	483	0.0	1500	1842	0	483	8.21	202	68.4	39.5	30.8	33.7	33.7
10-11 AM	2069	0.0	543	0.0	1500	1858	211	754	23.92	610	68.2	21.8	30.8	33.0	30.4
11A-NOON	1990	0.0	522	0.0	1499	1484	505	1027	29.65	749	68.2	18.8	30.7	33.3	27.0
NOON-1PM	1819	0.0	477	0.0	1499	1411	409	886	27.17	684	68.5	20.0	30.8	33.8	28.8
1-2 PM	1762	0.0	462	0.0	1500	1470	293	755	25.14	630	68.6	21.1	30.8	34.0	30.4
2-3 PM	1651	0.0	433	0.0	1499	1455	196	629	23.38	584	68.7	22.2	30.8	34.3	31.9
3-4 PM	1735	0.0	455	0.0	1500	1531	204	659	23.76	594	68.6	22.0	30.8	34.1	31.5
4-5 PM	1554	0.0	408	0.0	1499	1420	134	542	22.26	555	68.8	23.0	30.8	34.7	33.0
5-6 PM	1440	0.0	378	0.0	1500	1432	8	386	19.97	494	68.9	24.7	30.8	35.0	35.0
6-7 PM	1237	0.0	324	0.0	OFF	1237	0	324	0.31	21	69.2	67.3	67.3	35.7	35.7
7-8 PM	929	0.0	244	0.0	OFF	929	0	244	0.00	0	69.6	69.6	69.6	36.7	36.7
8-9 PM	726	0.0	190	0.0	OFF	726	0	190	0.00	0	69.8	69.8	69.8	37.4	37.4
9-10 PM	580	0.0	153	0.0	OFF	580	0	153	0.00	0	70.0	70.0	70.0	37.8	37.8
10-11 PM	442	0.0	116	0.0	OFF	442	0	116	0.00	0	70.2	70.2	70.2	38.3	38.3
11PM-MID	303	0.0	80	0.0	OFF	303	0	80	0.00	0	70.2	70.2	70.2	38.8	38.8

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

----- 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	0.0513
MAIN ROUTE WITH WORKS	0.0463
DIVERSION	0.1852

PIA: Personal Injury Accidents

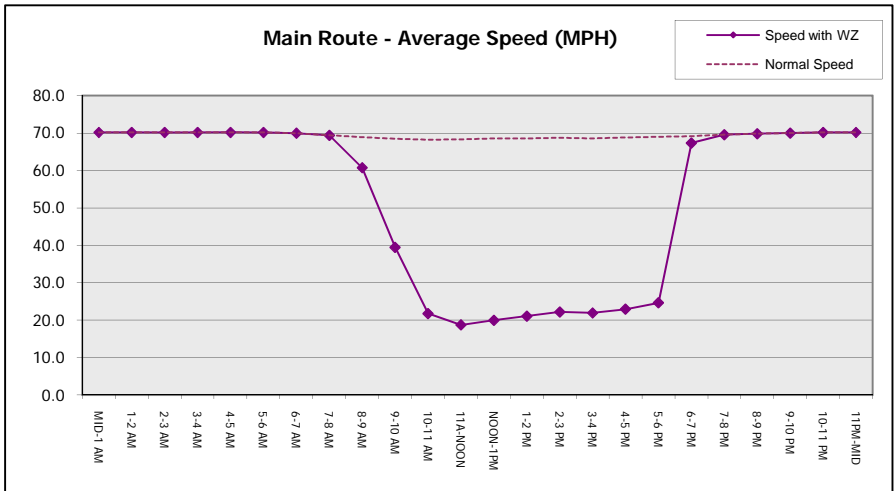
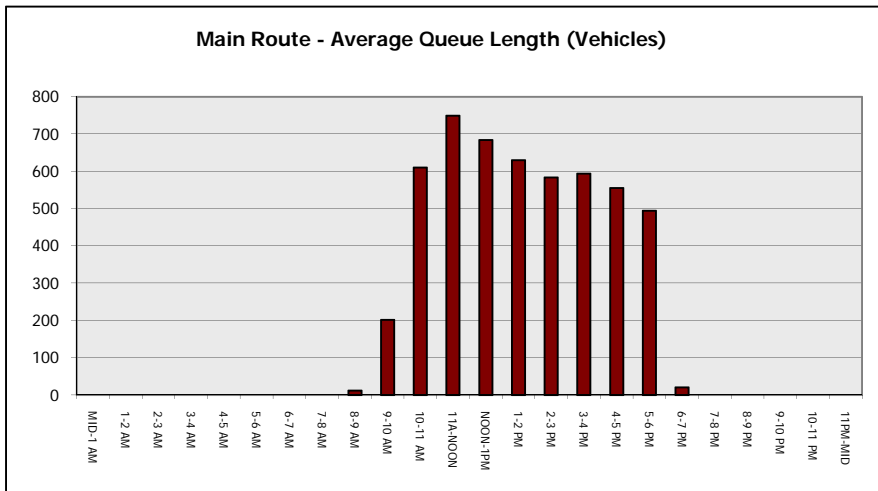
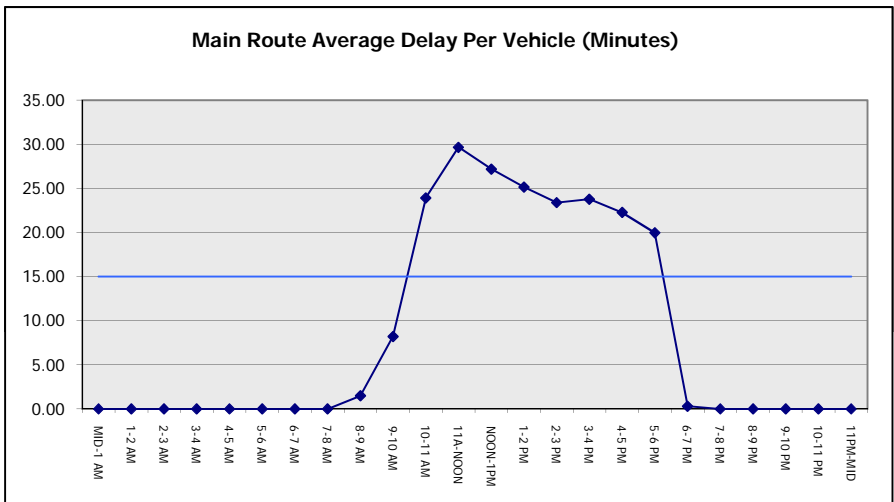
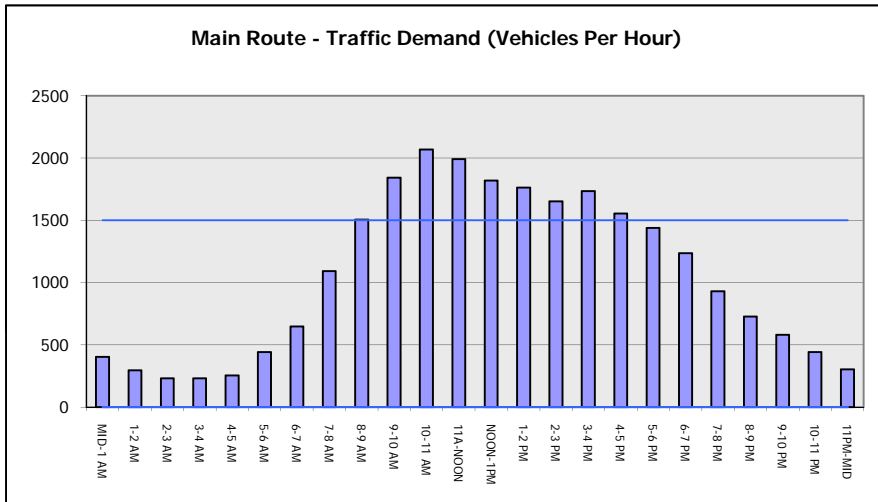
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$101,995
CONGESTED HOURS PER DAY*	8

*Delays Exceeding 15 Minutes

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
OFF-PEAK DAY 2 LANE CLOSURE
DIVERSION ROUTE: USH 51 - STH 60

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES) OFF-PEAK DAY 2 LANE CLOSURE DIVERSION ROUTE: USH 51 - STH 60	OCTOBER
	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		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	325	0.0	85	0.0	OFF	325	0	85	0.00	0	70.2	70.2	70.2	38.7	38.7
1-2 AM	252	0.0	66	0.0	OFF	252	0	66	0.00	0	70.2	70.2	70.2	38.9	38.9
2-3 AM	250	0.0	66	0.0	OFF	250	0	66	0.00	0	70.2	70.2	70.2	38.9	38.9
3-4 AM	238	0.0	63	0.0	OFF	238	0	63	0.00	0	70.2	70.2	70.2	38.9	38.9
4-5 AM	251	0.0	66	0.0	OFF	251	0	66	0.00	0	70.2	70.2	70.2	38.9	38.9
5-6 AM	298	0.0	78	0.0	OFF	298	0	78	0.00	0	70.2	70.2	70.2	38.8	38.8
6-7 AM	402	0.0	106	0.0	OFF	402	0	106	0.00	0	70.2	70.2	70.2	38.4	38.4
7-8 AM	741	0.0	195	0.0	OFF	741	0	195	0.00	0	69.8	69.8	69.8	37.3	37.3
8-9 AM	1222	0.0	321	0.0	1499	1222	0	321	0.73	0	69.2	64.9	38.0	35.8	35.8
9-10 AM	1470	0.0	386	0.0	1499	1470	0	386	1.08	0	68.9	62.8	31.5	35.0	35.0
10-11 AM	1508	0.0	395	0.0	1500	1508	0	396	1.23	3	68.9	62.0	30.9	34.8	34.8
11A-NOON	1613	0.0	424	0.0	1500	1613	0	424	3.58	67	68.7	52.0	30.8	34.5	34.5
NOON-1PM	1564	0.0	410	0.0	1499	1564	0	410	7.11	158	68.8	42.0	30.8	34.7	34.7
1-2 PM	1597	0.0	420	0.0	1500	1597	0	420	10.06	236	68.7	36.1	30.8	34.5	34.5
2-3 PM	1619	0.0	425	0.0	1500	1619	0	425	14.13	343	68.7	30.4	30.8	34.5	34.5
3-4 PM	1688	0.0	444	0.0	1500	1665	24	467	19.85	494	68.6	24.7	30.8	34.2	34.0
4-5 PM	1709	0.0	448	0.0	1499	1519	190	638	23.48	587	68.6	22.2	30.8	34.2	31.8
5-6 PM	1586	0.0	416	0.0	1499	1442	144	560	22.49	560	68.7	22.8	30.8	34.6	32.8
6-7 PM	1347	0.0	354	0.0	OFF	1347	0	354	0.41	30	69.1	66.6	66.6	35.3	35.3
7-8 PM	1172	0.0	308	0.0	OFF	1172	0	308	0.00	0	69.3	69.3	69.3	35.9	35.9
8-9 PM	961	0.0	252	0.0	OFF	961	0	252	0.00	0	69.6	69.6	69.6	36.6	36.6
9-10 PM	786	0.0	206	0.0	OFF	786	0	206	0.00	0	69.7	69.7	69.7	37.2	37.2
10-11 PM	637	0.0	167	0.0	OFF	637	0	167	0.00	0	69.9	69.9	69.9	37.7	37.7
11PM-MID	385	0.0	100	0.0	OFF	385	0	100	0.00	0	70.2	70.2	70.2	38.5	38.5

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

----- 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	0.0481
MAIN ROUTE WITH WORKS	0.0464
DIVERSION	0.1417

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$47,756
CONGESTED HOURS PER DAY*	3

*Delays Exceeding 15 Minutes

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
OFF-PEAK DAY 2 LANE CLOSURE
DIVERSION ROUTE: USH 51 - STH 60

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

