

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES) CONTINUOUS (24 HOUR) 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	1500	403	0	106	0.52	0	70.2	67.0	43.9	38.4	38.4
1-2 AM	295	0.0	77	0.0	1500	295	0	77	0.51	0	70.2	67.1	44.3	38.8	38.8
2-3 AM	231	0.0	61	0.0	1500	231	0	61	0.50	0	70.2	67.1	44.6	39.0	39.0
3-4 AM	230	0.0	61	0.0	1500	230	0	61	0.50	0	70.2	67.1	44.6	39.0	39.0
4-5 AM	254	0.0	67	0.0	1500	254	0	67	0.50	0	70.2	67.1	44.5	38.9	38.9
5-6 AM	441	0.0	116	0.0	1500	441	0	116	0.53	0	70.2	66.9	43.7	38.3	38.3
6-7 AM	648	0.0	171	0.0	1500	648	0	171	0.55	0	69.9	66.6	43.0	37.6	37.6
7-8 AM	1091	0.0	287	0.0	1499	1091	0	287	0.64	0	69.4	65.6	40.1	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	1499	1237	0	324	13.65	337	69.2	31.0	31.1	35.7	35.7
7-8 PM	929	0.0	244	0.0	1500	929	0	244	1.68	35	69.6	60.4	41.5	36.7	36.7
8-9 PM	726	0.0	190	0.0	1500	726	0	190	0.56	0	69.8	66.4	42.7	37.4	37.4
9-10 PM	580	0.0	153	0.0	1500	580	0	153	0.54	0	70.0	66.7	43.2	37.8	37.8
10-11 PM	442	0.0	116	0.0	1500	442	0	116	0.53	0	70.2	66.9	43.7	38.3	38.3
11PM-MID	303	0.0	80	0.0	1500	303	0	80	0.51	0	70.2	67.1	44.3	38.8	38.8

----- 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	0.0513
MAIN ROUTE WITH WORKS	0.0458
DIVERSION	0.1852

PIA: Personal Injury Accidents

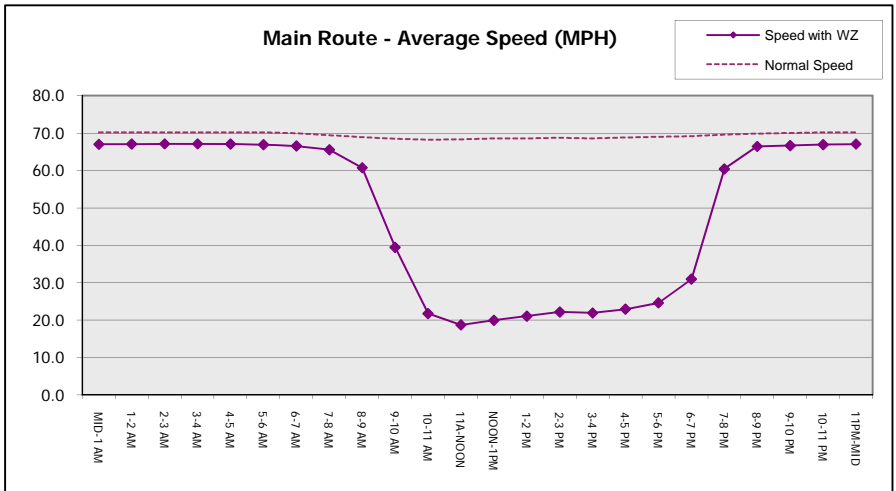
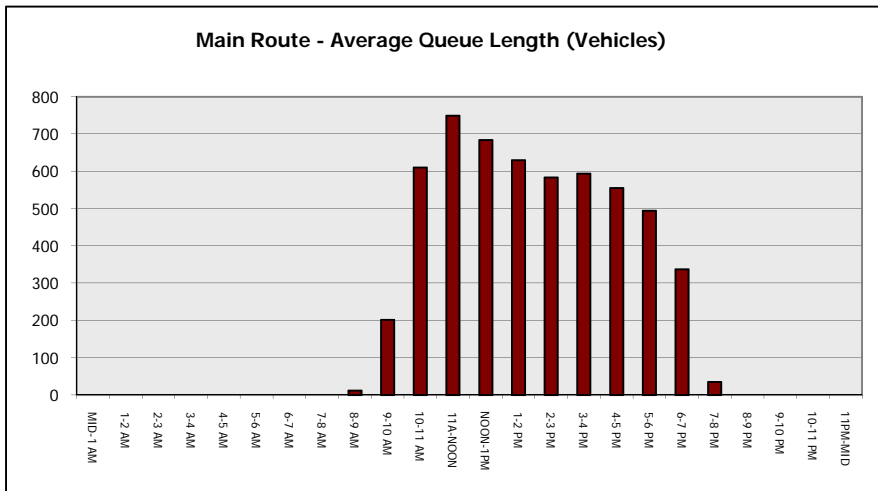
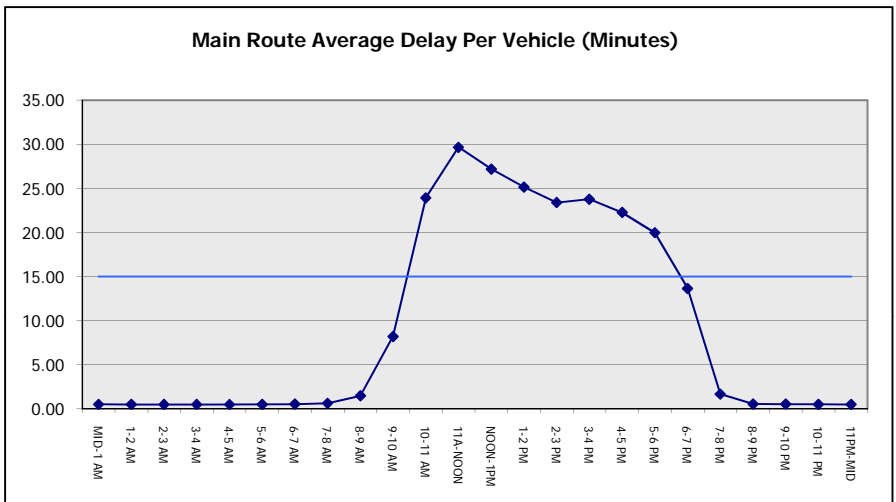
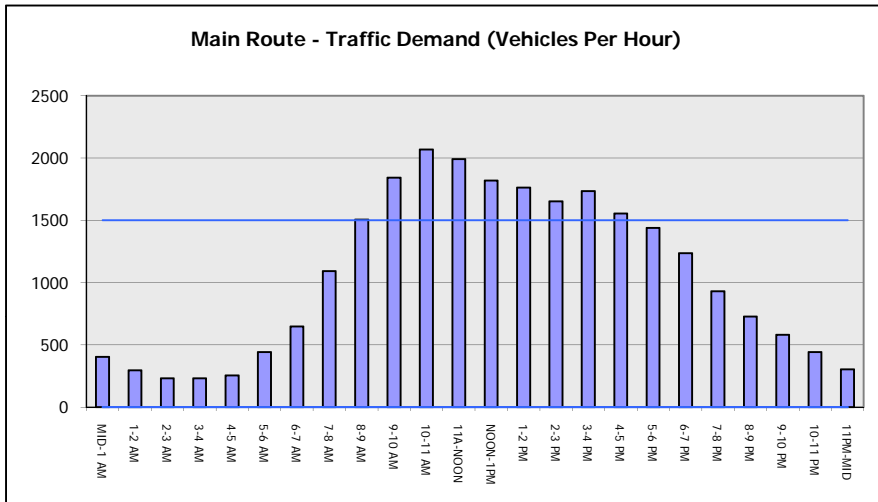
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$111,638
CONGESTED HOURS PER DAY*	8

*Delays Exceeding 15 Minutes

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
CONTINUOUS (24 HOUR) 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) CONTINUOUS (24 HOUR) 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		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	325	0.0	85	0.0	1500	325	0	85	0.51	0	70.2	67.0	44.2	38.7	38.7
1-2 AM	252	0.0	66	0.0	1500	252	0	66	0.50	0	70.2	67.1	44.5	38.9	38.9
2-3 AM	250	0.0	66	0.0	1500	250	0	66	0.50	0	70.2	67.1	44.5	38.9	38.9
3-4 AM	238	0.0	63	0.0	1500	238	0	63	0.50	0	70.2	67.1	44.5	38.9	38.9
4-5 AM	251	0.0	66	0.0	1500	251	0	66	0.50	0	70.2	67.1	44.5	38.9	38.9
5-6 AM	298	0.0	78	0.0	1500	298	0	78	0.51	0	70.2	67.1	44.3	38.8	38.8
6-7 AM	402	0.0	106	0.0	1500	402	0	106	0.52	0	70.2	67.0	43.9	38.4	38.4
7-8 AM	741	0.0	195	0.0	1500	741	0	195	0.56	0	69.8	66.4	42.6	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	1499	1338	9	363	18.58	459	69.1	25.8	30.8	35.3	35.2
7-8 PM	1172	0.0	308	0.0	1499	1172	0	308	8.64	217	69.3	38.9	33.0	35.9	35.9
8-9 PM	961	0.0	252	0.0	1500	961	0	252	0.64	1	69.6	65.7	41.8	36.6	36.6
9-10 PM	786	0.0	206	0.0	1500	786	0	206	0.56	0	69.7	66.4	42.4	37.2	37.2
10-11 PM	637	0.0	167	0.0	1500	637	0	167	0.55	0	69.9	66.6	43.0	37.7	37.7
11PM-MID	385	0.0	100	0.0	1500	385	0	100	0.52	0	70.2	67.0	44.0	38.5	38.5

----- 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	0.0458
DIVERSION	0.1419

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$60,326
CONGESTED HOURS PER DAY*	4

*Delays Exceeding 15 Minutes

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
CONTINUOUS (24 HOUR) 2 LANE CLOSURE
DIVERSION ROUTE: USH 51 - STH 60

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

