

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

OCTOBER

Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	286	0.0	75	0.0	3000	286	0	75	0.36	0	70.2	67.9	49.7	38.8	38.8
1-2 AM	231	0.0	61	0.0	3000	231	0	61	0.36	0	70.2	67.9	49.7	39.0	39.0
2-3 AM	211	0.0	55	0.0	3000	211	0	55	0.36	0	70.2	67.9	49.7	39.1	39.1
3-4 AM	213	0.0	55	0.0	3000	213	0	55	0.36	0	70.2	67.9	49.7	39.1	39.1
4-5 AM	255	0.0	67	0.0	3000	255	0	67	0.36	0	70.2	67.9	49.7	38.9	38.9
5-6 AM	404	0.0	106	0.0	3000	404	0	106	0.36	0	70.2	67.9	49.7	38.4	38.4
6-7 AM	695	0.0	182	0.0	3000	695	0	182	0.36	0	69.9	67.7	49.7	37.5	37.5
7-8 AM	1045	0.0	274	0.0	3000	1045	0	274	0.35	0	69.4	67.3	49.7	36.3	36.3
8-9 AM	1120	0.0	294	0.0	3000	1120	0	294	0.35	0	69.4	67.2	49.7	36.1	36.1
9-10 AM	1120	0.0	294	0.0	3000	1120	0	294	0.35	0	69.4	67.2	49.7	36.1	36.1
10-11 AM	1188	0.0	312	0.0	3000	1188	0	312	0.35	0	69.2	67.1	49.7	35.9	35.9
11A-NOON	1216	0.0	319	0.0	3000	1216	0	319	0.35	0	69.2	67.1	49.7	35.8	35.8
NOON-1PM	1228	0.0	322	0.0	3000	1228	0	322	0.35	0	69.2	67.1	49.7	35.8	35.8
1-2 PM	1284	0.0	337	0.0	3000	1284	0	337	0.35	0	69.1	67.1	49.7	35.6	35.6
2-3 PM	1356	0.0	356	0.0	3000	1356	0	356	0.35	0	69.1	66.9	49.7	35.3	35.3
3-4 PM	1514	0.0	398	0.0	3000	1514	0	398	0.34	0	68.9	66.8	49.7	34.8	34.8
4-5 PM	1663	0.0	436	0.0	3000	1663	0	436	0.34	0	68.7	66.6	49.7	34.3	34.3
5-6 PM	1526	0.0	401	0.0	3000	1526	0	401	0.34	0	68.8	66.8	49.7	34.8	34.8
6-7 PM	1159	0.0	304	0.0	3000	1159	0	304	0.35	0	69.3	67.2	49.7	36.0	36.0
7-8 PM	898	0.0	235	0.0	3000	898	0	235	0.35	0	69.6	67.4	49.7	36.8	36.8
8-9 PM	728	0.0	191	0.0	3000	728	0	191	0.35	0	69.8	67.6	49.7	37.4	37.4
9-10 PM	643	0.0	168	0.0	3000	643	0	168	0.36	0	69.9	67.8	49.7	37.6	37.6
10-11 PM	518	0.0	136	0.0	3000	518	0	136	0.36	0	70.1	67.9	49.7	38.1	38.1
11PM-MID	409	0.0	108	0.0	3000	409	0	108	0.36	0	70.2	67.9	49.7	38.4	38.4

----- 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	0.0426
MAIN ROUTE WITH WORKS	0.0412
DIVERSION	0.1186

PIA: Personal Injury Accidents

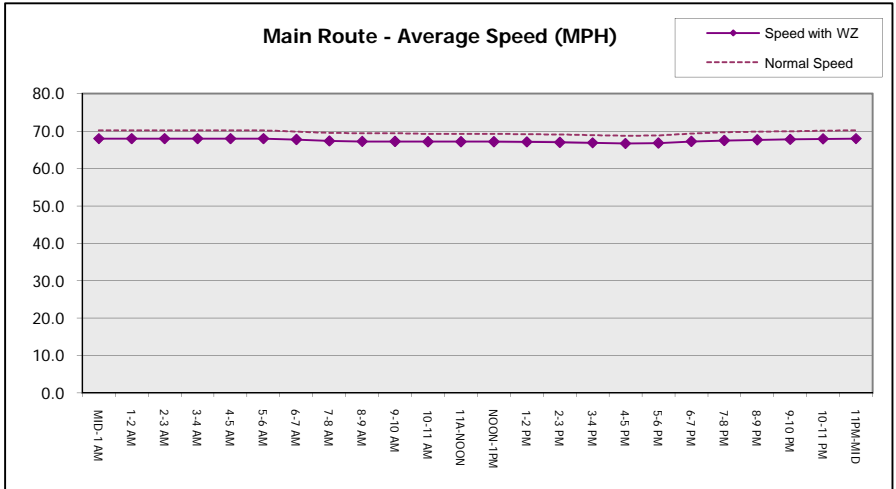
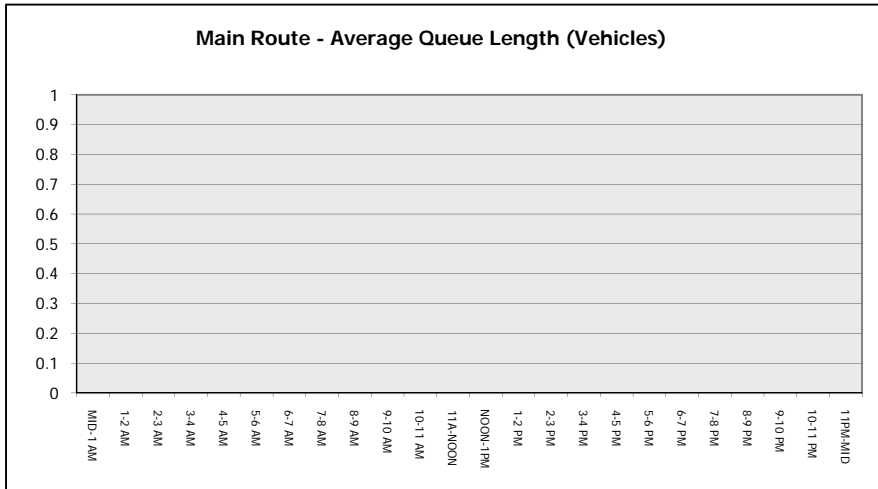
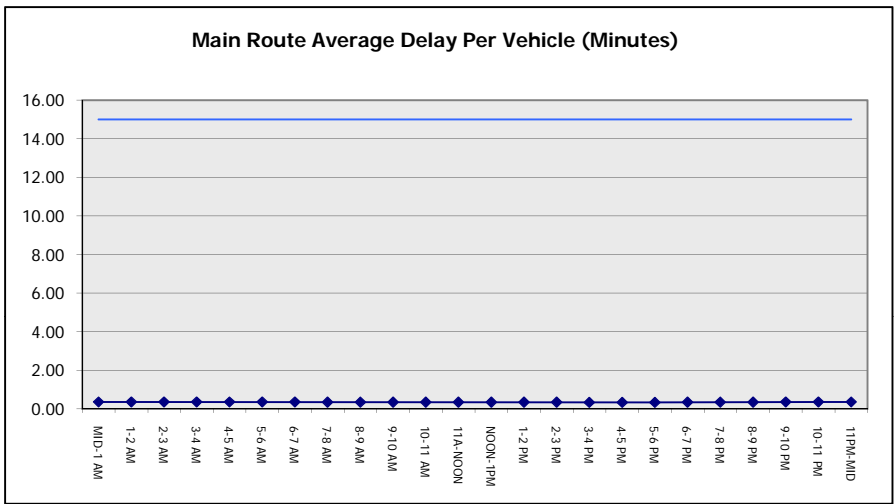
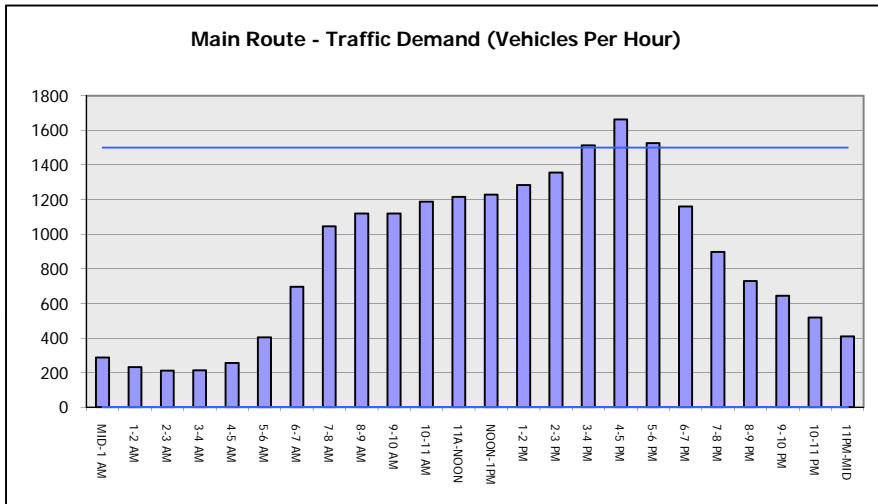
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,398
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: USH 51 - STH 60	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	250	0.0	66	0.0	3000	250	0	66	0.36	0	70.2	67.9	49.7	38.9	38.9
1-2 AM	212	0.0	55	0.0	3000	212	0	55	0.36	0	70.2	67.9	49.7	39.1	39.1
2-3 AM	213	0.0	56	0.0	3000	213	0	56	0.36	0	70.2	67.9	49.7	39.1	39.1
3-4 AM	253	0.0	66	0.0	3000	253	0	66	0.36	0	70.2	67.9	49.7	38.9	38.9
4-5 AM	360	0.0	94	0.0	3000	360	0	94	0.36	0	70.2	67.9	49.7	38.6	38.6
5-6 AM	673	0.0	177	0.0	3000	673	0	177	0.36	0	69.9	67.7	49.7	37.6	37.6
6-7 AM	1063	0.0	279	0.0	3000	1063	0	279	0.35	0	69.4	67.3	49.7	36.3	36.3
7-8 AM	1126	0.0	296	0.0	3000	1126	0	296	0.35	0	69.3	67.2	49.7	36.1	36.1
8-9 AM	1055	0.0	277	0.0	3000	1055	0	277	0.35	0	69.4	67.3	49.7	36.3	36.3
9-10 AM	1115	0.0	293	0.0	3000	1115	0	293	0.35	0	69.4	67.3	49.7	36.1	36.1
10-11 AM	1224	0.0	321	0.0	3000	1224	0	321	0.35	0	69.2	67.1	49.7	35.8	35.8
11A-NOON	1317	0.0	345	0.0	3000	1317	0	345	0.35	0	69.1	67.0	49.7	35.5	35.5
NOON-1PM	1350	0.0	355	0.0	3000	1350	0	355	0.35	0	69.1	67.0	49.7	35.3	35.3
1-2 PM	1444	0.0	379	0.0	3000	1444	0	379	0.34	0	68.9	66.9	49.7	35.0	35.0
2-3 PM	1537	0.0	403	0.0	3000	1537	0	403	0.34	0	68.8	66.8	49.7	34.7	34.7
3-4 PM	1615	0.0	424	0.0	3000	1615	0	424	0.34	0	68.7	66.7	49.7	34.5	34.5
4-5 PM	1654	0.0	434	0.0	3000	1654	0	434	0.34	0	68.7	66.6	49.7	34.3	34.3
5-6 PM	1490	0.0	391	0.0	3000	1490	0	391	0.34	0	68.9	66.8	49.7	34.9	34.9
6-7 PM	1152	0.0	302	0.0	3000	1152	0	302	0.35	0	69.3	67.2	49.7	36.0	36.0
7-8 PM	921	0.0	242	0.0	3000	921	0	242	0.35	0	69.6	67.4	49.7	36.8	36.8
8-9 PM	744	0.0	196	0.0	3000	744	0	196	0.35	0	69.8	67.6	49.7	37.3	37.3
9-10 PM	634	0.0	166	0.0	3000	634	0	166	0.36	0	69.9	67.8	49.7	37.7	37.7
10-11 PM	498	0.0	131	0.0	3000	498	0	131	0.36	0	70.1	67.9	49.7	38.1	38.1
11PM-MID	347	0.0	91	0.0	3000	347	0	91	0.36	0	70.2	67.9	49.7	38.6	38.6

----- 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	0.0453
MAIN ROUTE WITH WORKS	0.0439
DIVERSION	0.1262

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,480
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION

