

**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
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	1500	286	0	75	0.51	0	70.2	67.1	44.3	38.8	38.8
1-2 AM	231	0.0	61	0.0	1500	231	0	61	0.50	0	70.2	67.1	44.6	39.0	39.0
2-3 AM	211	0.0	55	0.0	1500	211	0	55	0.50	0	70.2	67.1	44.6	39.1	39.1
3-4 AM	213	0.0	55	0.0	1500	213	0	55	0.50	0	70.2	67.1	44.6	39.1	39.1
4-5 AM	255	0.0	67	0.0	1500	255	0	67	0.50	0	70.2	67.1	44.5	38.9	38.9
5-6 AM	404	0.0	106	0.0	1500	404	0	106	0.52	0	70.2	67.0	43.9	38.4	38.4
6-7 AM	695	0.0	182	0.0	1500	695	0	182	0.55	0	69.9	66.5	42.8	37.5	37.5
7-8 AM	1045	0.0	274	0.0	1500	1045	0	274	0.59	0	69.4	65.9	41.5	36.3	36.3
8-9 AM	1120	0.0	294	0.0	1500	1120	0	294	0.60	0	69.4	65.8	41.2	36.1	36.1
9-10 AM	1120	0.0	294	0.0	1500	1120	0	294	0.60	0	69.4	65.8	41.2	36.1	36.1
10-11 AM	1188	0.0	312	0.0	1500	1188	0	312	0.69	0	69.2	65.2	38.8	35.9	35.9
11A-NOON	1216	0.0	319	0.0	1500	1216	0	319	0.73	0	69.2	65.0	37.9	35.8	35.8
NOON-1PM	1228	0.0	322	0.0	1500	1228	0	322	0.74	0	69.2	64.8	37.6	35.8	35.8
1-2 PM	1284	0.0	337	0.0	1500	1284	0	337	0.82	0	69.1	64.4	36.0	35.6	35.6
2-3 PM	1356	0.0	356	0.0	1499	1356	0	356	0.91	0	69.1	63.8	34.1	35.3	35.3
3-4 PM	1514	0.0	398	0.0	1499	1514	0	398	1.32	6	68.9	61.5	31.1	34.8	34.8
4-5 PM	1663	0.0	436	0.0	1500	1663	0	436	5.01	107	68.7	47.4	30.8	34.3	34.3
5-6 PM	1526	0.0	401	0.0	1499	1526	0	401	9.40	217	68.8	37.3	30.8	34.8	34.8
6-7 PM	1159	0.0	304	0.0	1499	1159	0	304	3.42	82	69.3	53.0	36.6	36.0	36.0
7-8 PM	898	0.0	235	0.0	1500	898	0	235	0.58	0	69.6	66.1	42.0	36.8	36.8
8-9 PM	728	0.0	191	0.0	1500	728	0	191	0.56	0	69.8	66.4	42.7	37.4	37.4
9-10 PM	643	0.0	168	0.0	1500	643	0	168	0.55	0	69.9	66.6	43.0	37.6	37.6
10-11 PM	518	0.0	136	0.0	1500	518	0	136	0.53	0	70.1	66.8	43.4	38.1	38.1
11PM-MID	409	0.0	108	0.0	1500	409	0	108	0.52	0	70.2	66.9	43.8	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

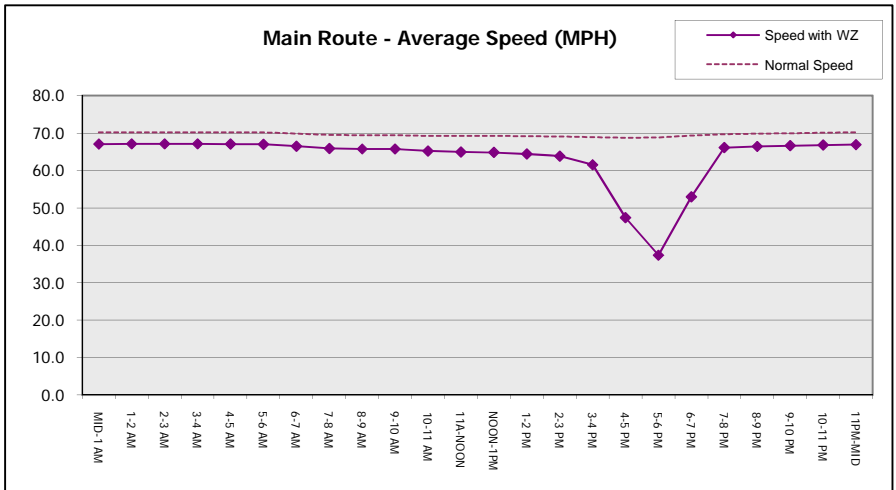
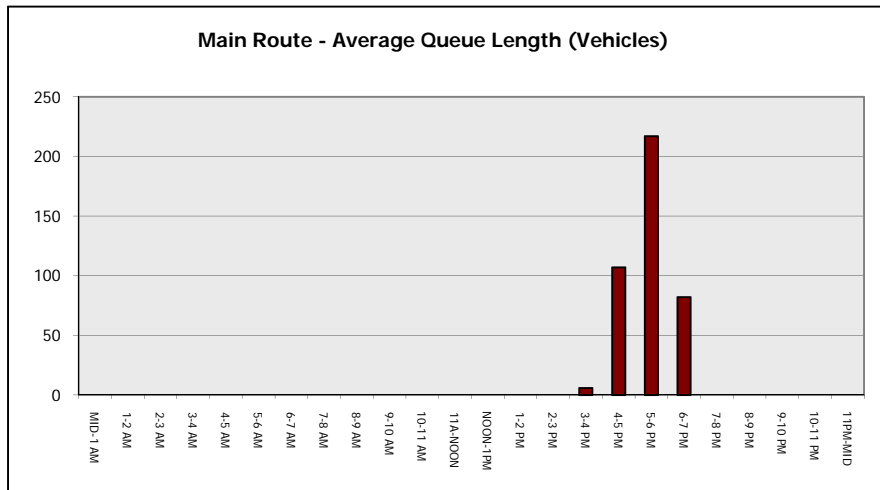
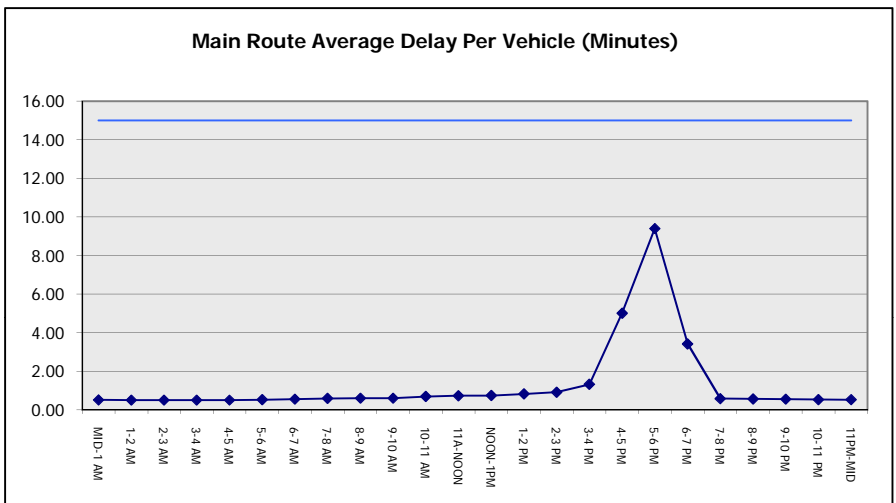
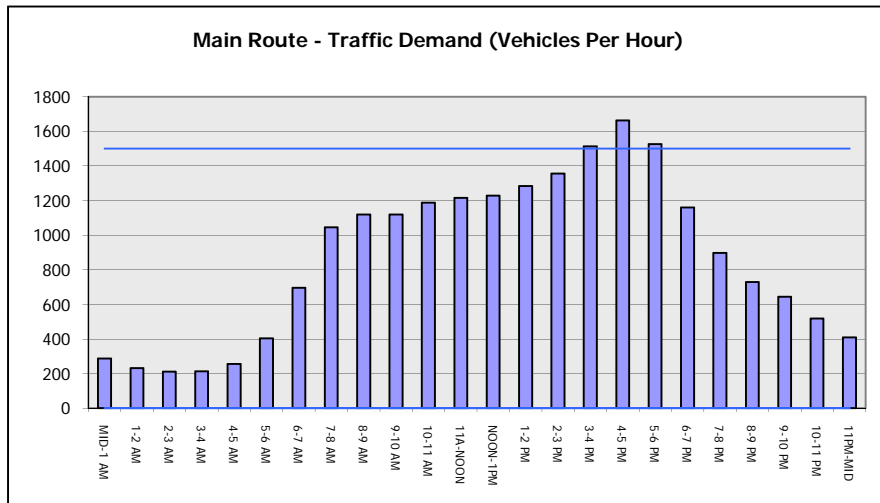
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$8,053
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
CONTINUOUS (24 HOUR) 2 LANE 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) 2 LANE 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	1500	250	0	66	0.50	0	70.2	67.1	44.5	38.9	38.9
1-2 AM	212	0.0	55	0.0	1500	212	0	55	0.50	0	70.2	67.1	44.6	39.1	39.1
2-3 AM	213	0.0	56	0.0	1500	213	0	56	0.50	0	70.2	67.1	44.6	39.1	39.1
3-4 AM	253	0.0	66	0.0	1500	253	0	66	0.50	0	70.2	67.1	44.5	38.9	38.9
4-5 AM	360	0.0	94	0.0	1500	360	0	94	0.52	0	70.2	67.0	44.0	38.6	38.6
5-6 AM	673	0.0	177	0.0	1500	673	0	177	0.55	0	69.9	66.6	42.8	37.6	37.6
6-7 AM	1063	0.0	279	0.0	1500	1063	0	279	0.59	0	69.4	65.9	41.5	36.3	36.3
7-8 AM	1126	0.0	296	0.0	1500	1126	0	296	0.61	0	69.3	65.7	41.0	36.1	36.1
8-9 AM	1055	0.0	277	0.0	1500	1055	0	277	0.59	0	69.4	65.9	41.5	36.3	36.3
9-10 AM	1115	0.0	293	0.0	1500	1115	0	293	0.60	0	69.4	65.8	41.3	36.1	36.1
10-11 AM	1224	0.0	321	0.0	1500	1224	0	321	0.74	0	69.2	64.9	37.7	35.8	35.8
11A-NOON	1317	0.0	345	0.0	1500	1317	0	345	0.86	0	69.1	64.1	35.0	35.5	35.5
NOON-1PM	1350	0.0	355	0.0	1500	1350	0	355	0.90	0	69.1	63.8	34.2	35.3	35.3
1-2 PM	1444	0.0	379	0.0	1499	1444	0	379	1.02	0	68.9	63.2	32.0	35.0	35.0
2-3 PM	1537	0.0	403	0.0	1499	1537	0	403	1.59	13	68.8	60.2	30.8	34.7	34.7
3-4 PM	1615	0.0	424	0.0	1500	1615	0	424	4.49	91	68.7	49.1	30.8	34.5	34.5
4-5 PM	1654	0.0	434	0.0	1500	1654	0	434	9.87	233	68.7	36.5	30.8	34.3	34.3
5-6 PM	1490	0.0	391	0.0	1499	1490	0	391	13.21	317	68.9	31.5	30.8	34.9	34.9
6-7 PM	1152	0.0	302	0.0	1499	1152	0	302	5.52	143	69.3	46.3	35.1	36.0	36.0
7-8 PM	921	0.0	242	0.0	1500	921	0	242	0.58	0	69.6	66.1	42.0	36.8	36.8
8-9 PM	744	0.0	196	0.0	1500	744	0	196	0.56	0	69.8	66.4	42.6	37.3	37.3
9-10 PM	634	0.0	166	0.0	1500	634	0	166	0.55	0	69.9	66.6	43.0	37.7	37.7
10-11 PM	498	0.0	131	0.0	1500	498	0	131	0.53	0	70.1	66.9	43.5	38.1	38.1
11PM-MID	347	0.0	91	0.0	1500	347	0	91	0.51	0	70.2	67.0	44.1	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)	\$13,014
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) 2 LANE 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

