

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	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	380	0.0	99	0.0	1500	380	0	99	0.52	0	70.2	67.0	44.0	38.5	38.5
1-2 AM	289	0.0	76	0.0	1500	289	0	76	0.51	0	70.2	67.1	44.3	38.8	38.8
2-3 AM	272	0.0	71	0.0	1500	272	0	71	0.51	0	70.2	67.1	44.4	38.9	38.9
3-4 AM	252	0.0	66	0.0	1500	252	0	66	0.50	0	70.2	67.1	44.5	38.9	38.9
4-5 AM	324	0.0	85	0.0	1500	324	0	85	0.51	0	70.2	67.0	44.2	38.7	38.7
5-6 AM	524	0.0	137	0.0	1500	524	0	137	0.54	0	70.1	66.8	43.4	38.1	38.1
6-7 AM	885	0.0	232	0.0	1500	885	0	232	0.57	0	69.6	66.2	42.1	36.9	36.9
7-8 AM	1372	0.0	360	0.0	1499	1372	0	360	0.93	0	69.1	63.7	33.8	35.3	35.3
8-9 AM	1575	0.0	413	0.0	1499	1575	0	413	1.96	23	68.8	58.5	30.8	34.6	34.6
9-10 AM	1807	0.0	474	0.0	1500	1807	0	474	8.80	215	68.5	38.4	30.8	33.8	33.8
10-11 AM	1991	0.0	522	0.0	1500	1834	156	678	22.71	578	68.2	22.6	30.8	33.3	31.3
11A-NOON	2150	0.0	564	0.0	1499	1622	528	1092	30.86	783	68.1	18.2	30.8	32.7	26.2
NOON-1PM	2214	0.0	581	0.0	1499	1562	652	1233+	33.86	861	68.0	17.0	30.8	32.5	24.4
1-2 PM	2516	0.0	660	0.0	1499	1729	787	1448+	39.34	1008	67.6	15.2	30.8	31.5	21.7
2-3 PM	2851	0.0	748	0.0	1499	1537	1314	2062+	47.46	1220	67.2	13.0	30.8	30.4	18.8
3-4 PM	3073	0.0	807	0.0	1499	1501	1572	2379+	47.75	1229	66.9	13.0	30.8	29.7	18.6
4-5 PM	3308	0.0	869	0.0	1499	1501	1806	2675+	47.70	1229	66.6	13.0	30.8	28.9	18.6
5-6 PM	3357	0.0	881	0.0	1499	1501	1856	2737+	47.69	1229	66.6	13.0	30.8	28.8	18.6
6-7 PM	3123	0.0	819	0.0	1499	1501	1622	2441+	47.74	1229	66.9	13.0	30.8	29.6	18.6
7-8 PM	2657	0.0	697	0.0	1499	1500	1158	1855+	47.82	1229	67.4	13.0	30.8	31.1	18.6
8-9 PM	2000	0.0	525	0.0	1499	1112	888	1413+	38.46	988	68.2	15.5	30.8	33.2	22.2
9-10 PM	1546	0.0	406	0.0	1499	1220	326	732	24.84	628	68.8	21.3	30.8	34.7	30.7
10-11 PM	1104	0.0	290	0.0	1499	1104	0	290	12.79	330	69.4	32.2	33.2	36.1	36.1
11PM-MID	758	0.0	199	0.0	1500	758	0	199	0.85	8	69.8	64.8	42.5	37.3	37.3

+ 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	0.0821
MAIN ROUTE WITH WORKS	0.0545
DIVERSION	0.5025

PIA: Personal Injury Accidents

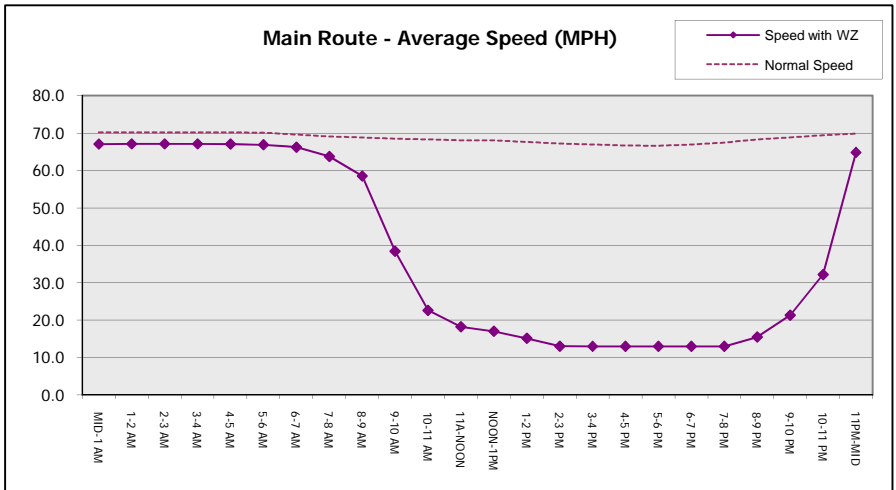
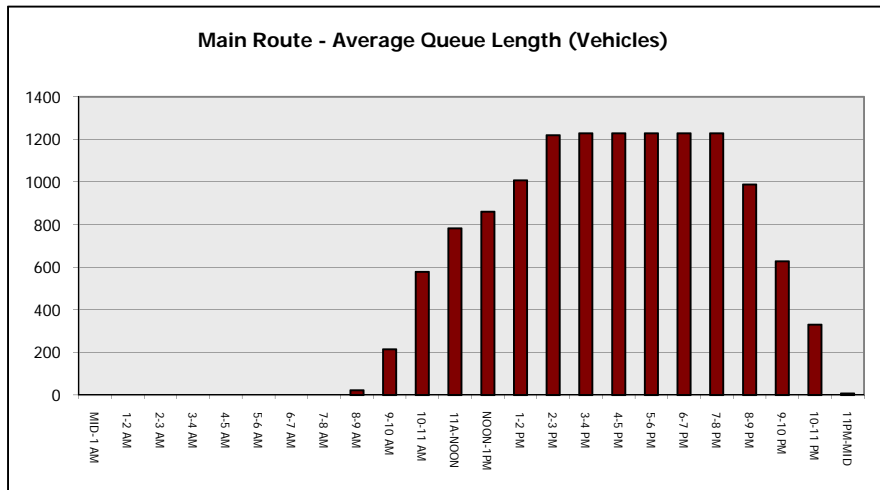
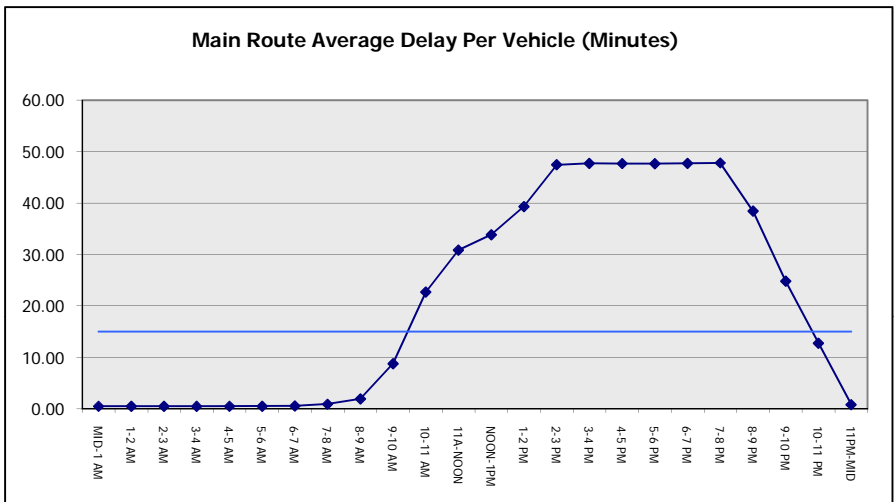
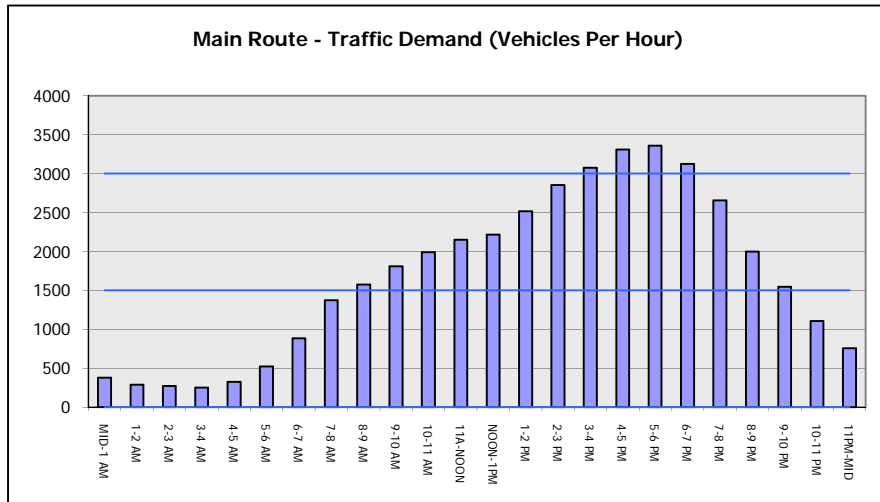
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$347,700
CONGESTED HOURS PER DAY*	12

*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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY 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	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			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	296	0.0	77	0.0	1500	296	0	77	0.51	0	70.2	67.1	44.3	38.8	38.8
1-2 AM	249	0.0	65	0.0	1500	249	0	65	0.50	0	70.2	67.1	44.5	38.9	38.9
2-3 AM	248	0.0	65	0.0	1500	248	0	65	0.50	0	70.2	67.1	44.5	38.9	38.9
3-4 AM	270	0.0	71	0.0	1500	270	0	71	0.51	0	70.2	67.1	44.4	38.9	38.9
4-5 AM	346	0.0	91	0.0	1500	346	0	91	0.51	0	70.2	67.0	44.1	38.6	38.6
5-6 AM	624	0.0	163	0.0	1500	624	0	163	0.55	0	70.0	66.6	43.0	37.7	37.7
6-7 AM	965	0.0	253	0.0	1500	965	0	253	0.58	0	69.6	66.1	41.8	36.6	36.6
7-8 AM	1069	0.0	280	0.0	1500	1069	0	280	0.59	0	69.4	65.9	41.4	36.3	36.3
8-9 AM	1064	0.0	279	0.0	1500	1064	0	279	0.59	0	69.4	65.9	41.5	36.3	36.3
9-10 AM	1207	0.0	317	0.0	1500	1207	0	317	0.72	0	69.2	65.0	38.2	35.8	35.8
10-11 AM	1416	0.0	371	0.0	1499	1416	0	371	0.99	0	69.0	63.3	32.6	35.1	35.1
11A-NOON	1509	0.0	396	0.0	1499	1509	0	396	1.25	4	68.9	61.9	31.0	34.8	34.8
NOON-1PM	1629	0.0	428	0.0	1500	1629	0	428	3.82	74	68.7	51.2	30.8	34.4	34.4
1-2 PM	1759	0.0	461	0.0	1500	1759	0	461	10.85	264	68.6	34.8	30.8	34.0	34.0
2-3 PM	2011	0.0	528	0.0	1500	1820	191	720	23.60	600	68.2	22.0	30.8	33.2	30.8
3-4 PM	2002	0.0	525	0.0	1499	1522	480	1005	29.22	738	68.2	18.9	30.8	33.2	27.3
4-5 PM	2041	0.0	536	0.0	1500	1521	520	1056	30.18	764	68.2	18.5	30.8	33.1	26.6
5-6 PM	1924	0.0	505	0.0	1499	1425	499	1004	29.22	738	68.4	19.0	30.8	33.5	27.3
6-7 PM	1612	0.0	423	0.0	1499	1346	266	689	24.21	607	68.7	21.7	30.8	34.5	31.2
7-8 PM	1418	0.0	373	0.0	1500	1397	21	394	19.96	494	69.0	24.7	30.8	35.1	34.8
8-9 PM	1207	0.0	317	0.0	1499	1207	0	317	12.18	302	69.2	33.0	31.5	35.8	35.8
9-10 PM	1060	0.0	278	0.0	1500	1060	0	278	1.51	26	69.4	61.1	40.1	36.3	36.3
10-11 PM	785	0.0	206	0.0	1500	785	0	206	0.56	0	69.7	66.4	42.4	37.2	37.2
11PM-MID	479	0.0	126	0.0	1500	479	0	126	0.53	0	70.1	66.9	43.6	38.2	38.2

----- 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	0.0554
MAIN ROUTE WITH WORKS	0.0497
DIVERSION	0.1970

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$90,119
CONGESTED HOURS PER DAY*	6

*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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

