

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

AUGUST
Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT
SUNDAY 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	261	0.0	68	0.0	3000	261	0	68	0.36	0	70.2	67.9	49.7	38.9	38.9
1-2 AM	186	0.0	49	0.0	3000	186	0	49	0.36	0	70.2	67.9	49.7	39.1	39.1
2-3 AM	130	0.0	35	0.0	3000	130	0	35	0.36	0	70.2	67.9	49.7	39.3	39.3
3-4 AM	110	0.0	28	0.0	3000	110	0	28	0.36	0	70.2	67.9	49.7	39.4	39.4
4-5 AM	117	0.0	30	0.0	3000	117	0	30	0.36	0	70.2	67.9	49.7	39.4	39.4
5-6 AM	178	0.0	46	0.0	3000	178	0	46	0.36	0	70.2	67.9	49.7	39.2	39.2
6-7 AM	309	0.0	82	0.0	3000	309	0	82	0.36	0	70.2	67.9	49.7	38.8	38.8
7-8 AM	578	0.0	152	0.0	3000	578	0	152	0.36	0	70.0	67.8	49.7	37.9	37.9
8-9 AM	1101	0.0	289	0.0	3000	1101	0	289	0.35	0	69.4	67.3	49.7	36.1	36.1
9-10 AM	1763	0.0	463	0.0	3000	1763	0	463	0.34	0	68.6	66.5	49.7	34.0	34.0
10-11 AM	2388	0.0	627	0.0	3000	2388	0	627	0.33	0	67.8	65.8	49.7	32.0	32.0
11A-NOON	2747	0.0	721	0.0	3000	2747	0	721	0.56	0	67.3	64.1	41.5	30.8	30.8
NOON-1PM	2835	0.0	744	0.0	3000	2835	0	744	0.62	0	67.2	63.8	39.9	30.5	30.5
1-2 PM	2888	0.0	758	0.0	3000	2888	0	758	0.66	0	67.1	63.5	39.1	30.3	30.3
2-3 PM	2838	0.0	745	0.0	3000	2838	0	745	0.62	0	67.2	63.7	39.9	30.5	30.5
3-4 PM	2551	0.0	670	0.0	3000	2551	0	670	0.44	0	67.6	65.1	45.6	31.4	31.4
4-5 PM	2313	0.0	607	0.0	3000	2313	0	607	0.33	0	67.9	66.0	49.7	32.2	32.2
5-6 PM	2034	0.0	534	0.0	3000	2034	0	534	0.33	0	68.2	66.3	49.7	33.1	33.1
6-7 PM	1669	0.0	438	0.0	3000	1669	0	438	0.34	0	68.7	66.6	49.7	34.3	34.3
7-8 PM	1359	0.0	357	0.0	3000	1359	0	357	0.34	0	69.1	66.9	49.7	35.3	35.3
8-9 PM	1080	0.0	284	0.0	3000	1080	0	284	0.35	0	69.4	67.3	49.7	36.2	36.2
9-10 PM	830	0.0	218	0.0	3000	830	0	218	0.35	0	69.7	67.6	49.7	37.0	37.0
10-11 PM	593	0.0	156	0.0	3000	593	0	156	0.36	0	70.0	67.8	49.7	37.8	37.8
11PM-MID	400	0.0	105	0.0	3000	400	0	105	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	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	0.0637
MAIN ROUTE WITH WORKS	0.0616
DIVERSION	0.1773

PIA: Personal Injury Accidents

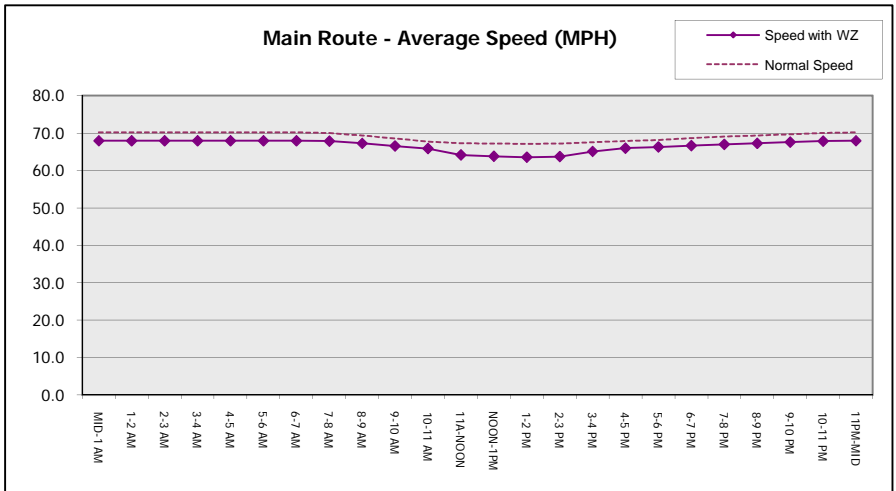
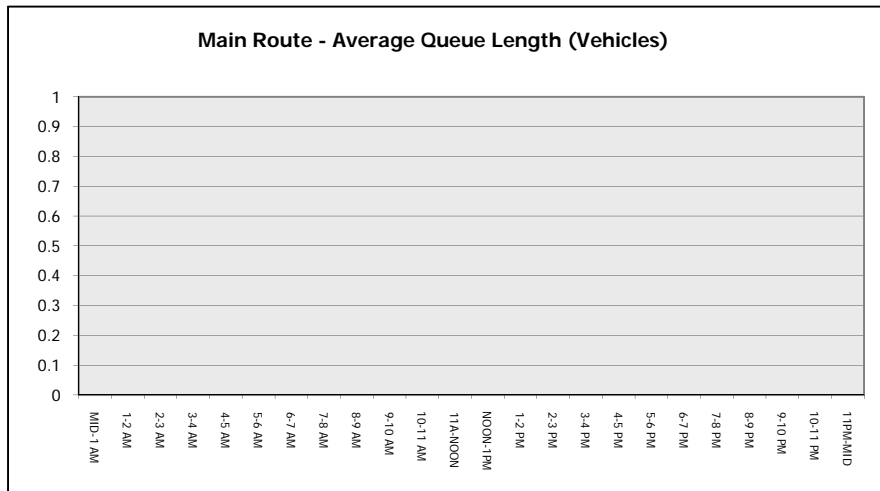
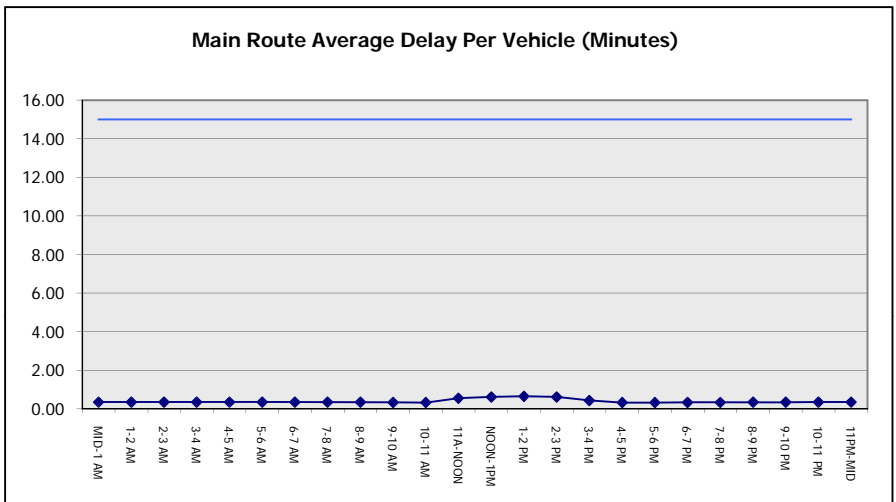
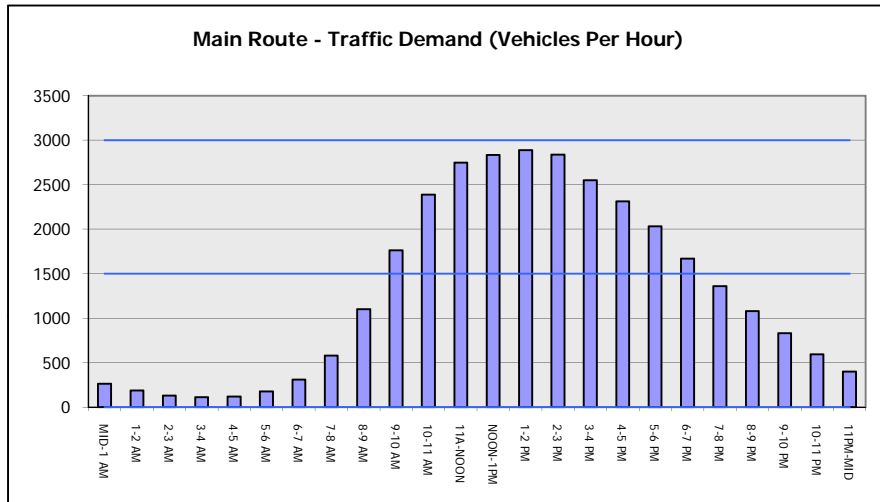
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$4,345
CONGESTED HOURS PER DAY*	0

*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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY 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	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT	
SUNDAY	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	378	0.0	99	0.0	3000	378	0	99	0.36	0	70.2	67.9	49.7	38.5	38.5
1-2 AM	292	0.0	76	0.0	3000	292	0	76	0.36	0	70.2	67.9	49.7	38.8	38.8
2-3 AM	248	0.0	65	0.0	3000	248	0	65	0.36	0	70.2	67.9	49.7	38.9	38.9
3-4 AM	193	0.0	50	0.0	3000	193	0	50	0.36	0	70.2	67.9	49.7	39.1	39.1
4-5 AM	187	0.0	49	0.0	3000	187	0	49	0.36	0	70.2	67.9	49.7	39.1	39.1
5-6 AM	226	0.0	60	0.0	3000	226	0	60	0.36	0	70.2	67.9	49.7	39.0	39.0
6-7 AM	317	0.0	83	0.0	3000	317	0	83	0.36	0	70.2	67.9	49.7	38.7	38.7
7-8 AM	542	0.0	142	0.0	3000	542	0	142	0.36	0	70.0	67.8	49.7	38.0	38.0
8-9 AM	1008	0.0	265	0.0	3000	1008	0	265	0.35	0	69.5	67.3	49.7	36.5	36.5
9-10 AM	1859	0.0	488	0.0	2999	1859	0	488	0.34	0	68.4	66.4	49.7	33.7	33.7
10-11 AM	2843	0.0	746	0.0	2999	2843	0	746	0.74	8	67.2	63.1	40.7	30.5	30.5
11A-NOON	3656	0.0	960	0.0	3000	3656	0	960	5.95	323	65.9	43.6	37.3	27.8	27.8
NOON-1PM	4072	0.0	1068	0.0	3000	4065	6	1075	21.40	1214	63.0	22.9	37.3	26.5	26.4
1-2 PM	3987	0.0	1046	0.0	3000	3611	376	1423+	37.92	2089	63.6	15.3	37.3	26.8	22.0
2-3 PM	3933	0.0	1032	0.0	3000	3284	649	1681+	45.91	2521	64.0	13.2	37.3	27.0	19.1
3-4 PM	3948	0.0	1036	0.0	3000	2999	949	1984+	47.20	2592	63.9	13.0	37.3	26.9	18.6
4-5 PM	4075	0.0	1069	0.0	3000	3000	1075	2144+	47.04	2592	63.0	13.0	37.3	26.5	18.6
5-6 PM	3594	0.0	944	0.0	3000	2778	816	1760+	46.56	2533	66.3	13.2	37.3	28.0	18.9
6-7 PM	3436	0.0	902	0.0	3000	2771	665	1567+	42.86	2328	66.4	14.1	37.3	28.6	20.3
7-8 PM	2961	0.0	777	0.0	3000	2427	534	1311+	35.58	1929	67.1	16.3	37.3	30.1	23.5
8-9 PM	2297	0.0	603	0.0	3000	2184	113	716	22.76	1233	67.9	22.5	37.3	32.2	30.9
9-10 PM	1498	0.0	393	0.0	2999	1498	0	393	3.51	242	68.9	52.4	49.1	34.8	34.8
10-11 PM	976	0.0	256	0.0	3000	976	0	256	0.35	0	69.5	67.4	49.7	36.6	36.6
11PM-MID	588	0.0	155	0.0	3000	588	0	155	0.36	0	70.0	67.8	49.7	37.8	37.8

+ 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	0.0960
MAIN ROUTE WITH WORKS	0.0826
DIVERSION	0.3793

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$403,109
CONGESTED HOURS PER DAY*	9

*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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

