

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES) NIGHTTIME 2 LANE 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	1500	261	0	68	0.50	0	70.2	67.1	44.5	38.9	38.9
1-2 AM	186	0.0	49	0.0	1500	186	0	49	0.50	0	70.2	67.1	44.7	39.1	39.1
2-3 AM	130	0.0	35	0.0	1500	130	0	35	0.49	0	70.2	67.2	45.0	39.3	39.3
3-4 AM	110	0.0	28	0.0	1500	110	0	28	0.49	0	70.2	67.2	45.0	39.4	39.4
4-5 AM	117	0.0	30	0.0	1500	117	0	30	0.49	0	70.2	67.2	45.0	39.4	39.4
5-6 AM	178	0.0	46	0.0	1500	178	0	46	0.49	0	70.2	67.1	44.8	39.2	39.2
6-7 AM	309	0.0	82	0.0	1500	309	0	82	0.51	0	70.2	67.1	44.3	38.8	38.8
7-8 AM	578	0.0	152	0.0	1500	578	0	152	0.54	0	70.0	66.7	43.2	37.9	37.9
8-9 AM	1101	0.0	289	0.0	1499	1101	0	289	0.68	0	69.4	65.4	39.4	36.1	36.1
9-10 AM	1763	0.0	463	0.0	OFF	1763	0	463	0.00	0	68.6	68.6	68.6	34.0	34.0
10-11 AM	2388	0.0	627	0.0	OFF	2388	0	627	0.00	0	67.8	67.8	67.8	32.0	32.0
11A-NOON	2747	0.0	721	0.0	OFF	2747	0	721	0.00	0	67.3	67.3	67.3	30.8	30.8
NOON-1PM	2835	0.0	744	0.0	OFF	2835	0	744	0.00	0	67.2	67.2	67.2	30.5	30.5
1-2 PM	2888	0.0	758	0.0	OFF	2888	0	758	0.00	0	67.1	67.1	67.1	30.3	30.3
2-3 PM	2838	0.0	745	0.0	OFF	2838	0	745	0.00	0	67.2	67.2	67.2	30.5	30.5
3-4 PM	2551	0.0	670	0.0	OFF	2551	0	670	0.00	0	67.6	67.6	67.6	31.4	31.4
4-5 PM	2313	0.0	607	0.0	OFF	2313	0	607	0.00	0	67.9	67.9	67.9	32.2	32.2
5-6 PM	2034	0.0	534	0.0	OFF	2034	0	534	0.00	0	68.2	68.2	68.2	33.1	33.1
6-7 PM	1669	0.0	438	0.0	OFF	1669	0	438	0.00	0	68.7	68.7	68.7	34.3	34.3
7-8 PM	1359	0.0	357	0.0	1500	1359	0	357	0.91	0	69.1	63.8	34.0	35.3	35.3
8-9 PM	1080	0.0	284	0.0	1500	1080	0	284	0.60	0	69.4	65.8	41.4	36.2	36.2
9-10 PM	830	0.0	218	0.0	1500	830	0	218	0.57	0	69.7	66.3	42.3	37.0	37.0
10-11 PM	593	0.0	156	0.0	1500	593	0	156	0.54	0	70.0	66.7	43.2	37.8	37.8
11PM-MID	400	0.0	105	0.0	1500	400	0	105	0.52	0	70.2	67.0	43.9	38.4	38.4

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0632
DIVERSION	0.1773

PIA: Personal Injury Accidents

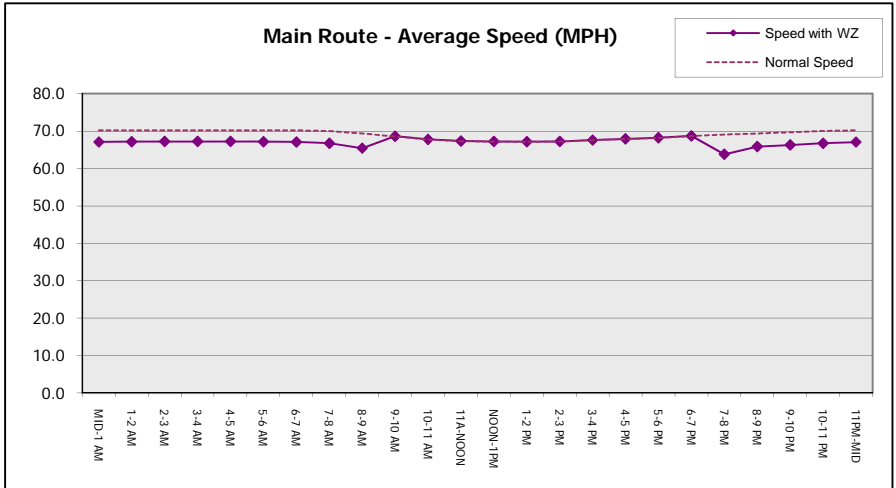
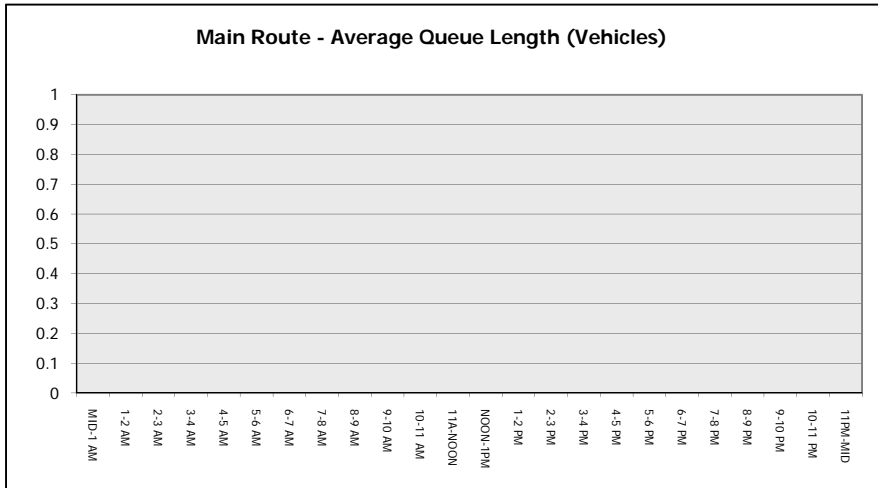
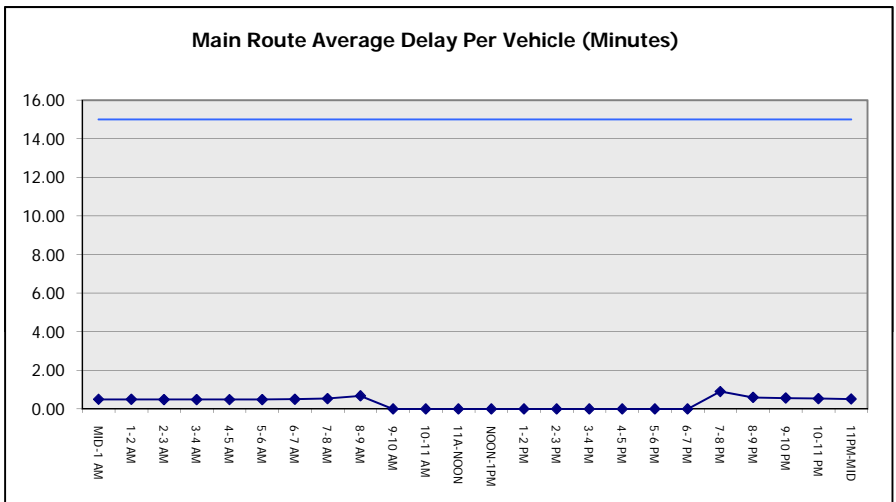
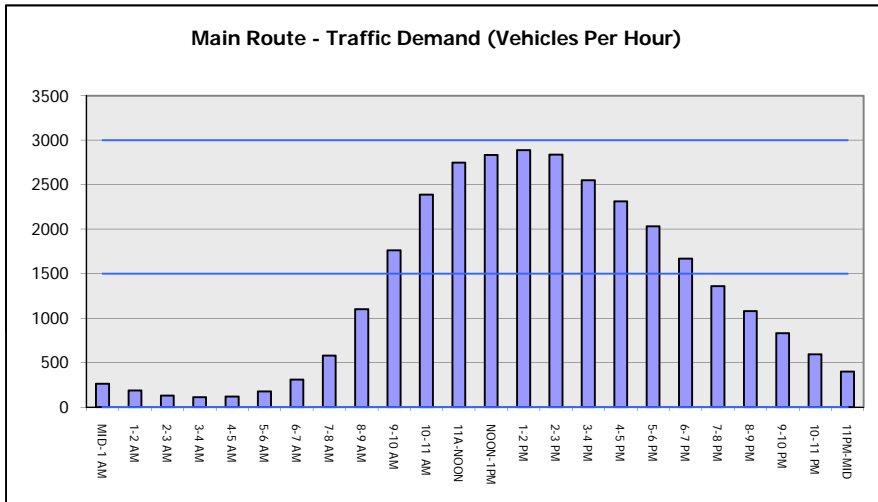
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,415
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
NIGHTTIME 2 LANE 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) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: USH 51 - STH 60	AUGUST Analyzed for 2009 Construction Season
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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	1500	378	0	99	0.52	0	70.2	67.0	44.0	38.5	38.5
1-2 AM	292	0.0	76	0.0	1500	292	0	76	0.51	0	70.2	67.1	44.3	38.8	38.8
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	193	0.0	50	0.0	1500	193	0	50	0.50	0	70.2	67.1	44.7	39.1	39.1
4-5 AM	187	0.0	49	0.0	1500	187	0	49	0.50	0	70.2	67.1	44.7	39.1	39.1
5-6 AM	226	0.0	60	0.0	1500	226	0	60	0.50	0	70.2	67.1	44.6	39.0	39.0
6-7 AM	317	0.0	83	0.0	1500	317	0	83	0.51	0	70.2	67.1	44.2	38.7	38.7
7-8 AM	542	0.0	142	0.0	1500	542	0	142	0.54	0	70.0	66.8	43.3	38.0	38.0
8-9 AM	1008	0.0	265	0.0	1499	1008	0	265	0.62	0	69.5	65.8	40.8	36.5	36.5
9-10 AM	1859	0.0	488	0.0	OFF	1859	0	488	0.00	0	68.4	68.4	68.4	33.7	33.7
10-11 AM	2843	0.0	746	0.0	OFF	2843	0	746	0.00	0	67.2	67.2	67.2	30.5	30.5
11A-NOON	3656	0.0	960	0.0	OFF	3656	0	960	0.00	0	65.9	65.9	65.9	27.8	27.8
NOON-1PM	4072	0.0	1068	0.0	OFF	4072	0	1068	0.00	0	63.0	63.0	63.0	26.5	26.5
1-2 PM	3987	0.0	1046	0.0	OFF	3987	0	1046	0.00	0	63.6	63.6	63.6	26.8	26.8
2-3 PM	3933	0.0	1032	0.0	OFF	3933	0	1032	0.00	0	64.0	64.0	64.0	27.0	27.0
3-4 PM	3948	0.0	1036	0.0	OFF	3948	0	1036	0.00	0	63.9	63.9	63.9	26.9	26.9
4-5 PM	4075	0.0	1069	0.0	OFF	4075	0	1069	0.00	0	63.0	63.0	63.0	26.5	26.5
5-6 PM	3594	0.0	944	0.0	OFF	3594	0	944	0.00	0	66.3	66.3	66.3	28.0	28.0
6-7 PM	3436	0.0	902	0.0	OFF	3436	0	902	0.00	0	66.4	66.4	66.4	28.6	28.6
7-8 PM	2961	0.0	777	0.0	1499	2633	328	1105	23.99	684	67.1	21.7	30.8	30.1	26.0
8-9 PM	2297	0.0	603	0.0	1499	1340	957	1560+	42.86	1098	67.9	14.2	30.8	32.2	20.4
9-10 PM	1498	0.0	393	0.0	1499	1002	495	889	27.24	701	68.9	20.0	30.8	34.8	28.7
10-11 PM	976	0.0	256	0.0	1499	976	0	256	8.41	243	69.5	39.4	36.3	36.6	36.6
11PM-MID	588	0.0	155	0.0	1500	588	0	155	0.54	0	70.0	66.7	43.2	37.8	37.8

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0960
MAIN ROUTE WITH WORKS	0.0917
DIVERSION	0.3057

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$68,015
CONGESTED HOURS PER DAY*	3

*Delays Exceeding 15 Minutes

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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

