

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES) OFF-PEAK DAY 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	OFF	261	0	68	0.00	0	70.2	70.2	70.2	38.9	38.9
1-2 AM	186	0.0	49	0.0	OFF	186	0	49	0.00	0	70.2	70.2	70.2	39.1	39.1
2-3 AM	130	0.0	35	0.0	OFF	130	0	35	0.00	0	70.2	70.2	70.2	39.3	39.3
3-4 AM	110	0.0	28	0.0	OFF	110	0	28	0.00	0	70.2	70.2	70.2	39.4	39.4
4-5 AM	117	0.0	30	0.0	OFF	117	0	30	0.00	0	70.2	70.2	70.2	39.4	39.4
5-6 AM	178	0.0	46	0.0	OFF	178	0	46	0.00	0	70.2	70.2	70.2	39.2	39.2
6-7 AM	309	0.0	82	0.0	OFF	309	0	82	0.00	0	70.2	70.2	70.2	38.8	38.8
7-8 AM	578	0.0	152	0.0	OFF	578	0	152	0.00	0	70.0	70.0	70.0	37.9	37.9
8-9 AM	1101	0.0	289	0.0	OFF	1101	0	289	0.00	0	69.4	69.4	69.4	36.1	36.1
9-10 AM	1763	0.0	463	0.0	1499	1763	0	463	4.13	91	68.6	50.1	30.8	34.0	34.0
10-11 AM	2388	0.0	627	0.0	1500	2163	226	852	23.32	624	67.8	22.2	30.8	32.0	29.2
11A-NOON	2747	0.0	721	0.0	1500	1882	865	1586+	43.63	1125	67.3	14.0	30.8	30.8	20.1
NOON-1PM	2835	0.0	744	0.0	1500	1498	1336	2080+	47.80	1229	67.2	13.0	30.8	30.5	18.6
1-2 PM	2888	0.0	758	0.0	1500	1498	1389	2147+	47.79	1229	67.1	13.0	30.8	30.3	18.6
2-3 PM	2838	0.0	745	0.0	1500	1498	1339	2084+	47.80	1229	67.2	13.0	30.8	30.5	18.6
3-4 PM	2551	0.0	670	0.0	1500	1359	1191	1861+	46.49	1195	67.6	13.3	30.8	31.4	19.1
4-5 PM	2313	0.0	607	0.0	1500	1358	956	1563+	42.94	1100	67.9	14.2	30.8	32.2	20.3
5-6 PM	2034	0.0	534	0.0	1500	1268	766	1300+	35.50	906	68.2	16.4	30.8	33.1	23.6
6-7 PM	1669	0.0	438	0.0	1500	1276	393	832	26.33	665	68.7	20.5	30.8	34.3	29.4
7-8 PM	1359	0.0	357	0.0	OFF	1359	0	357	0.46	34	69.1	66.3	66.3	35.3	35.3
8-9 PM	1080	0.0	284	0.0	OFF	1080	0	284	0.00	0	69.4	69.4	69.4	36.2	36.2
9-10 PM	830	0.0	218	0.0	OFF	830	0	218	0.00	0	69.7	69.7	69.7	37.0	37.0
10-11 PM	593	0.0	156	0.0	OFF	593	0	156	0.00	0	70.0	70.0	70.0	37.8	37.8
11PM-MID	400	0.0	105	0.0	OFF	400	0	105	0.00	0	70.2	70.2	70.2	38.4	38.4

"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 (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	0.0637
MAIN ROUTE WITH WORKS	0.0454
DIVERSION	0.3602

PIA: Personal Injury Accidents

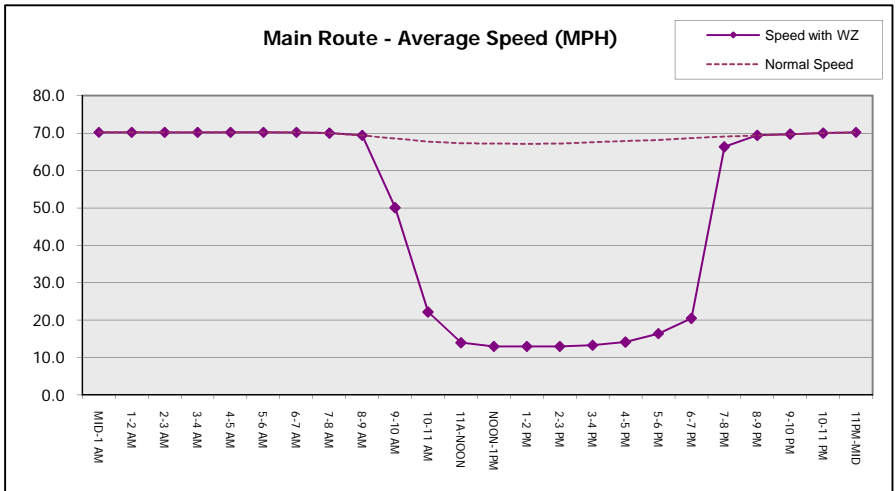
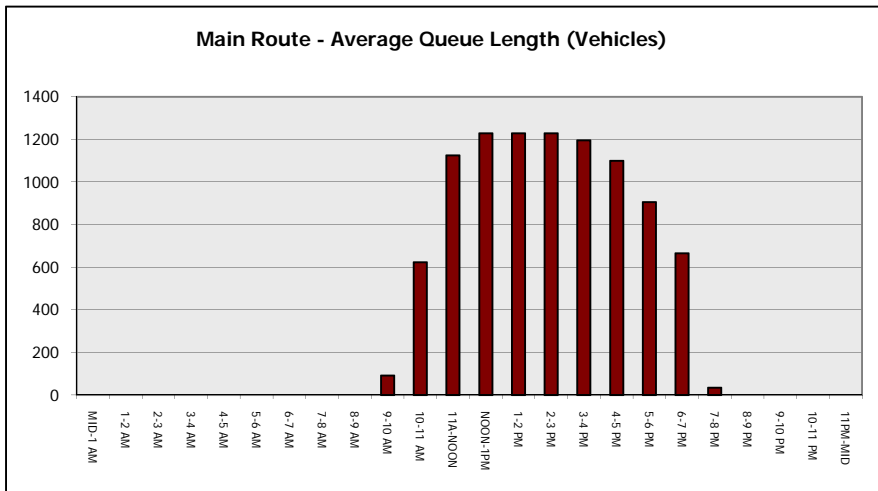
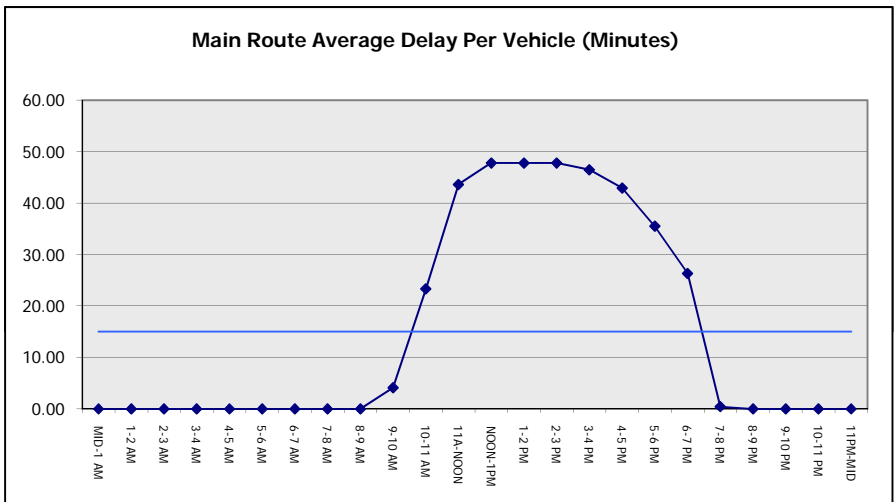
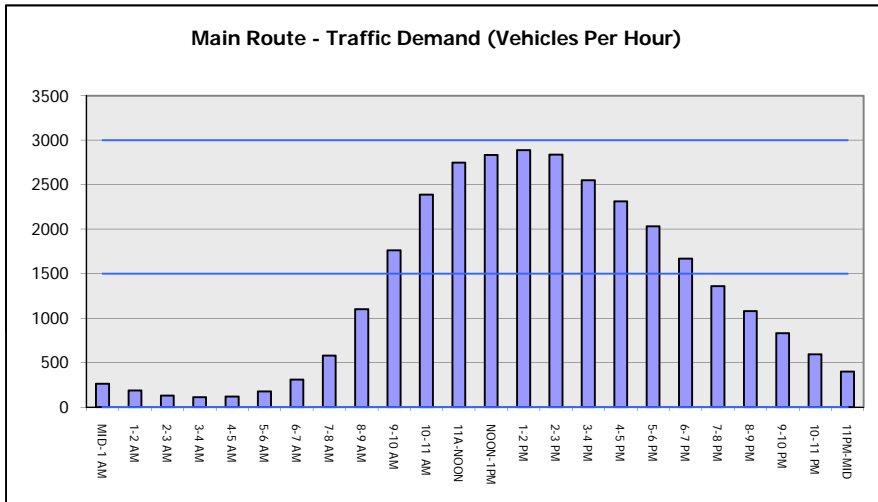
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$297,846
CONGESTED HOURS PER DAY*	9

*Delays Exceeding 15 Minutes

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
OFF-PEAK DAY 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) OFF-PEAK DAY 2 LANE 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			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	378	0.0	99	0.0	OFF	378	0	99	0.00	0	70.2	70.2	70.2	38.5	38.5
1-2 AM	292	0.0	76	0.0	OFF	292	0	76	0.00	0	70.2	70.2	70.2	38.8	38.8
2-3 AM	248	0.0	65	0.0	OFF	248	0	65	0.00	0	70.2	70.2	70.2	38.9	38.9
3-4 AM	193	0.0	50	0.0	OFF	193	0	50	0.00	0	70.2	70.2	70.2	39.1	39.1
4-5 AM	187	0.0	49	0.0	OFF	187	0	49	0.00	0	70.2	70.2	70.2	39.1	39.1
5-6 AM	226	0.0	60	0.0	OFF	226	0	60	0.00	0	70.2	70.2	70.2	39.0	39.0
6-7 AM	317	0.0	83	0.0	OFF	317	0	83	0.00	0	70.2	70.2	70.2	38.7	38.7
7-8 AM	542	0.0	142	0.0	OFF	542	0	142	0.00	0	70.0	70.0	70.0	38.0	38.0
8-9 AM	1008	0.0	265	0.0	OFF	1008	0	265	0.00	0	69.5	69.5	69.5	36.5	36.5
9-10 AM	1859	0.0	488	0.0	1499	1859	0	488	4.97	122	68.4	47.4	30.8	33.7	33.7
10-11 AM	2843	0.0	746	0.0	1500	2411	432	1178	30.82	835	67.2	18.2	30.8	30.5	25.1
11A-NOON	3656	0.0	960	0.0	1499	1499	2157	3116+	47.57	1229	65.9	13.0	30.8	27.8	18.6
NOON-1PM	4072	0.0	1068	0.0	1499	1499	2573	3641+	47.04	1229	63.0	13.0	30.8	26.5	18.6
1-2 PM	3987	0.0	1046	0.0	1499	1499	2488	3535+	47.15	1229	63.6	13.0	30.8	26.8	18.6
2-3 PM	3933	0.0	1032	0.0	1499	1499	2433	3465+	47.22	1229	64.0	13.0	30.8	27.0	18.6
3-4 PM	3948	0.0	1036	0.0	1499	1499	2449	3485+	47.21	1229	63.9	13.0	30.8	26.9	18.6
4-5 PM	4075	0.0	1069	0.0	1499	1499	2576	3645+	47.04	1229	63.0	13.0	30.8	26.5	18.6
5-6 PM	3594	0.0	944	0.0	1499	1499	2095	3038+	47.64	1229	66.3	13.0	30.8	28.0	18.6
6-7 PM	3436	0.0	902	0.0	1499	1499	1937	2839+	47.67	1229	66.4	13.0	30.8	28.6	18.6
7-8 PM	2961	0.0	777	0.0	OFF	2961	0	777	3.56	262	67.1	51.2	51.2	30.1	30.1
8-9 PM	2297	0.0	603	0.0	OFF	2297	0	603	0.00	0	67.9	67.9	67.9	32.2	32.2
9-10 PM	1498	0.0	393	0.0	OFF	1498	0	393	0.00	0	68.9	68.9	68.9	34.8	34.8
10-11 PM	976	0.0	256	0.0	OFF	976	0	256	0.00	0	69.5	69.5	69.5	36.6	36.6
11PM-MID	588	0.0	155	0.0	OFF	588	0	155	0.00	0	70.0	70.0	70.0	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	0.0559
DIVERSION	0.6809

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$501,279
CONGESTED HOURS PER DAY*	9

*Delays Exceeding 15 Minutes

IH 39/90/94: STH 60 TO USH 51 (DANE AND COLUMBIA COUNTIES)
OFF-PEAK DAY 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

