

**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**

MAY
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	221	0.0	58	0.0	OFF	221	0	58	0.00	0	70.2	70.2	70.2	39.0	39.0
1-2 AM	146	0.0	39	0.0	OFF	146	0	39	0.00	0	70.2	70.2	70.2	39.2	39.2
2-3 AM	99	0.0	26	0.0	OFF	99	0	26	0.00	0	70.2	70.2	70.2	39.4	39.4
3-4 AM	98	0.0	26	0.0	OFF	98	0	26	0.00	0	70.2	70.2	70.2	39.4	39.4
4-5 AM	109	0.0	28	0.0	OFF	109	0	28	0.00	0	70.2	70.2	70.2	39.4	39.4
5-6 AM	157	0.0	41	0.0	OFF	157	0	41	0.00	0	70.2	70.2	70.2	39.2	39.2
6-7 AM	279	0.0	73	0.0	OFF	279	0	73	0.00	0	70.2	70.2	70.2	38.8	38.8
7-8 AM	527	0.0	138	0.0	OFF	527	0	138	0.00	0	70.0	70.0	70.0	38.0	38.0
8-9 AM	859	0.0	225	0.0	OFF	859	0	225	0.00	0	69.7	69.7	69.7	36.9	36.9
9-10 AM	1285	0.0	337	0.0	1499	1285	0	337	0.82	0	69.1	64.4	36.1	35.6	35.6
10-11 AM	1685	0.0	443	0.0	1499	1685	0	443	3.67	73	68.6	51.7	30.8	34.2	34.2
11A-NOON	1893	0.0	497	0.0	1500	1893	0	497	14.72	374	68.4	29.6	30.8	33.6	33.6
NOON-1PM	1912	0.0	502	0.0	1499	1610	302	804	25.85	650	68.4	20.7	30.8	33.5	29.7
1-2 PM	1931	0.0	506	0.0	1499	1519	412	919	27.70	698	68.3	19.7	30.8	33.5	28.3
2-3 PM	1972	0.0	518	0.0	1500	1521	451	969	28.58	722	68.3	19.3	30.8	33.3	27.7
3-4 PM	1908	0.0	501	0.0	1499	1464	445	946	28.18	711	68.4	19.5	30.8	33.5	28.0
4-5 PM	1826	0.0	479	0.0	1499	1457	369	848	26.56	668	68.4	20.3	30.8	33.8	29.2
5-6 PM	1798	0.0	472	0.0	1500	1479	319	791	25.67	644	68.5	20.8	30.8	33.9	29.9
6-7 PM	1576	0.0	413	0.0	1499	1392	183	597	22.96	574	68.7	22.5	30.8	34.6	32.4
7-8 PM	1219	0.0	320	0.0	OFF	1219	0	320	0.39	28	69.2	66.9	66.9	35.8	35.8
8-9 PM	902	0.0	236	0.0	OFF	902	0	236	0.00	0	69.6	69.6	69.6	36.8	36.8
9-10 PM	641	0.0	168	0.0	OFF	641	0	168	0.00	0	69.9	69.9	69.9	37.6	37.6
10-11 PM	425	0.0	112	0.0	OFF	425	0	112	0.00	0	70.2	70.2	70.2	38.4	38.4
11PM-MID	322	0.0	85	0.0	OFF	322	0	85	0.00	0	70.2	70.2	70.2	38.7	38.7

"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	0.0485
MAIN ROUTE WITH WORKS	0.0424
DIVERSION	0.1886

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$118,766
CONGESTED HOURS PER DAY*	7

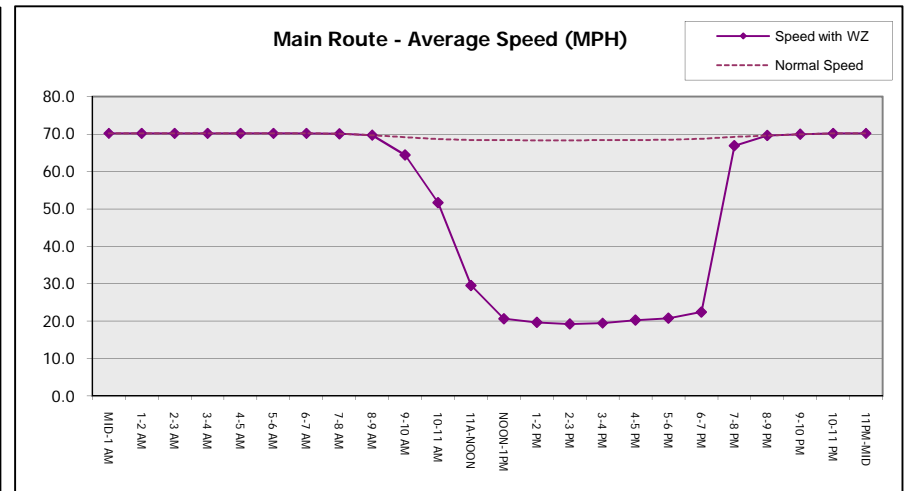
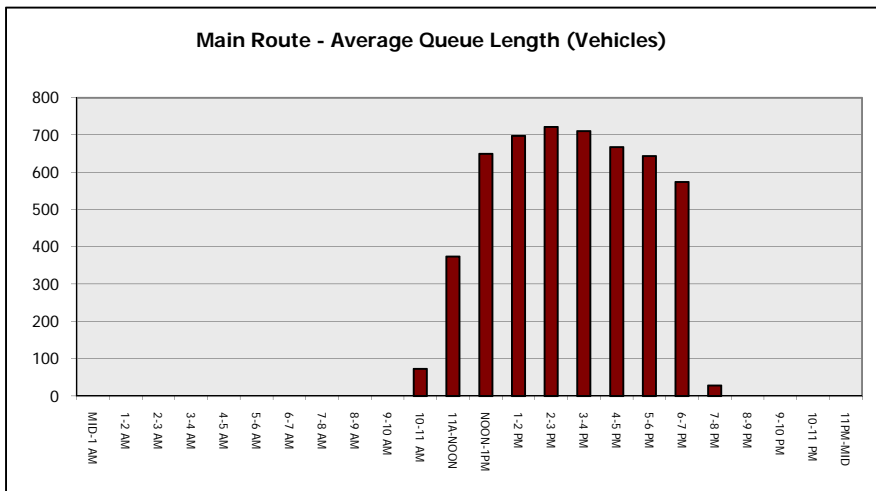
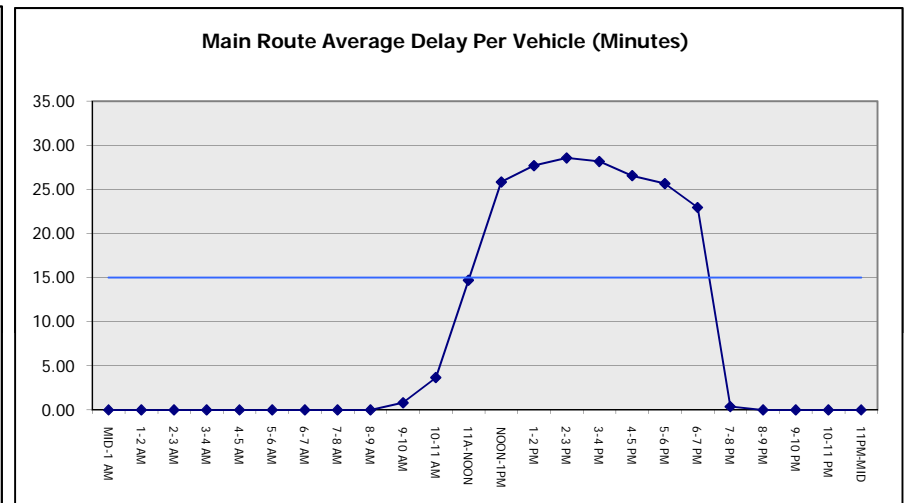
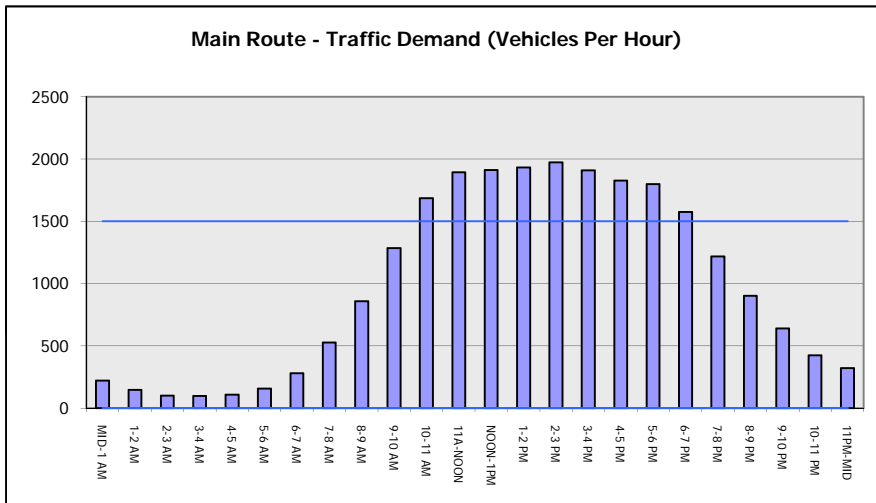
*Delays Exceeding 15 Minutes

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

MAY
 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	MAY
	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		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	276	0.0	72	0.0	OFF	276	0	72	0.00	0	70.2	70.2	70.2	38.9	38.9
1-2 AM	203	0.0	53	0.0	OFF	203	0	53	0.00	0	70.2	70.2	70.2	39.1	39.1
2-3 AM	189	0.0	49	0.0	OFF	189	0	49	0.00	0	70.2	70.2	70.2	39.1	39.1
3-4 AM	149	0.0	39	0.0	OFF	149	0	39	0.00	0	70.2	70.2	70.2	39.2	39.2
4-5 AM	140	0.0	37	0.0	OFF	140	0	37	0.00	0	70.2	70.2	70.2	39.3	39.3
5-6 AM	195	0.0	51	0.0	OFF	195	0	51	0.00	0	70.2	70.2	70.2	39.1	39.1
6-7 AM	270	0.0	71	0.0	OFF	270	0	71	0.00	0	70.2	70.2	70.2	38.9	38.9
7-8 AM	496	0.0	130	0.0	OFF	496	0	130	0.00	0	70.1	70.1	70.1	38.1	38.1
8-9 AM	891	0.0	233	0.0	OFF	891	0	233	0.00	0	69.6	69.6	69.6	36.8	36.8
9-10 AM	1446	0.0	380	0.0	1499	1446	0	380	1.37	11	68.9	61.4	33.2	35.0	35.0
10-11 AM	2057	0.0	540	0.0	1500	2057	0	540	10.80	291	68.2	34.8	30.8	33.0	33.0
11A-NOON	2485	0.0	652	0.0	1499	1939	546	1198	33.01	850	67.6	17.3	30.8	31.7	24.8
NOON-1PM	2595	0.0	681	0.0	1499	1675	921	1602+	44.21	1135	67.5	13.8	30.8	31.3	19.9
1-2 PM	2615	0.0	686	0.0	1499	1501	1114	1800+	47.84	1229	67.5	13.0	30.8	31.2	18.6
2-3 PM	2862	0.0	751	0.0	1499	1500	1362	2113+	47.79	1229	67.2	13.0	30.8	30.4	18.6
3-4 PM	2996	0.0	786	0.0	1499	1500	1496	2282+	47.77	1229	67.0	13.0	30.8	30.0	18.6
4-5 PM	2884	0.0	757	0.0	1499	1500	1384	2141+	47.79	1229	67.1	13.0	30.8	30.4	18.6
5-6 PM	2623	0.0	689	0.0	1499	1500	1123	1811+	47.84	1229	67.5	13.0	30.8	31.2	18.6
6-7 PM	2221	0.0	583	0.0	1499	1241	980	1562+	42.96	1102	68.0	14.2	30.8	32.5	20.4
7-8 PM	1792	0.0	471	0.0	OFF	1792	0	471	1.29	109	68.5	61.4	61.4	33.9	33.9
8-9 PM	1506	0.0	396	0.0	OFF	1506	0	396	0.00	0	68.9	68.9	68.9	34.8	34.8
9-10 PM	1075	0.0	283	0.0	OFF	1075	0	283	0.00	0	69.4	69.4	69.4	36.2	36.2
10-11 PM	755	0.0	198	0.0	OFF	755	0	198	0.00	0	69.8	69.8	69.8	37.3	37.3
11PM-MID	455	0.0	119	0.0	OFF	455	0	119	0.00	0	70.2	70.2	70.2	38.3	38.3

"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	0.0676
MAIN ROUTE WITH WORKS	0.0484
DIVERSION	0.3811

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$308,915
CONGESTED HOURS PER DAY*	8

*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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY EASTBOUND DIRECTION

