

**IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)
CONTINUOUS (24 HOUR) 2 LANE CLOSURE
DIVERSION ROUTE: STH 30 - USH 51**

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	383	0.0	125	0.0	1500	383	0	125	0.52	0	70.2	63.4	44.0	39.1	39.1
1-2 AM	254	0.0	83	0.0	1500	254	0	83	0.50	0	70.2	63.6	44.5	39.4	39.4
2-3 AM	216	0.0	70	0.0	1500	216	0	70	0.50	0	70.2	63.7	44.6	39.4	39.4
3-4 AM	166	0.0	54	0.0	1500	166	0	54	0.49	0	70.2	63.7	44.8	39.5	39.5
4-5 AM	154	0.0	50	0.0	1500	154	0	50	0.49	0	70.2	63.7	44.9	39.5	39.5
5-6 AM	249	0.0	81	0.0	1500	249	0	81	0.50	0	70.2	63.6	44.5	39.4	39.4
6-7 AM	393	0.0	128	0.0	1500	393	0	128	0.52	0	70.2	63.4	43.9	39.1	39.1
7-8 AM	656	0.0	213	0.0	1500	656	0	213	0.55	0	69.9	62.8	42.9	38.7	38.7
8-9 AM	1050	0.0	342	0.0	1499	1050	0	342	0.62	0	69.4	61.7	40.7	38.1	38.1
9-10 AM	1593	0.0	519	0.0	1499	1593	0	519	1.98	28	68.7	49.1	31.2	37.3	37.3
10-11 AM	2160	0.0	703	0.0	1499	1578	582	1285+	7.96	181	68.1	26.3	30.8	36.3	33.5
11A-NOON	2353	0.0	767	0.0	1500	1509	845	1612+	8.65	199	67.8	25.0	30.8	36.1	32.0
NOON-1PM	2356	0.0	767	0.0	1500	1499	858	1625+	8.68	200	67.8	24.9	30.8	36.1	31.9
1-2 PM	2376	0.0	774	0.0	1500	1502	875	1649+	8.73	201	67.8	24.8	30.8	36.0	31.8
2-3 PM	2408	0.0	785	0.0	1500	1502	905	1690+	8.81	204	67.8	24.7	30.8	36.0	31.6
3-4 PM	2431	0.0	792	0.0	1500	1502	929	1721+	8.87	205	67.7	24.5	30.8	36.0	31.5
4-5 PM	2505	0.0	816	0.0	1500	1503	1002	1818+	9.08	211	67.6	24.2	30.8	35.8	31.0
5-6 PM	2198	0.0	716	0.0	1500	1476	722	1438+	8.32	190	68.0	25.6	30.8	36.3	32.8
6-7 PM	1940	0.0	632	0.0	1500	1484	456	1088	7.69	173	68.3	27.0	30.8	36.7	34.5
7-8 PM	1620	0.0	527	0.0	1500	1481	138	666	7.01	155	68.7	28.5	30.8	37.2	36.5
8-9 PM	1266	0.0	412	0.0	1499	1266	0	412	2.82	65	69.2	44.0	34.5	37.8	37.8
9-10 PM	965	0.0	314	0.0	1500	965	0	314	0.58	0	69.6	62.2	41.8	38.3	38.3
10-11 PM	638	0.0	208	0.0	1500	638	0	208	0.55	0	69.9	62.9	43.0	38.8	38.8
11PM-MID	468	0.0	153	0.0	1500	468	0	153	0.53	0	70.2	63.3	43.7	39.0	39.0

+ 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	0.0279
MAIN ROUTE WITH WORKS	0.0197
DIVERSION	0.1770

PIA: Personal Injury Accidents

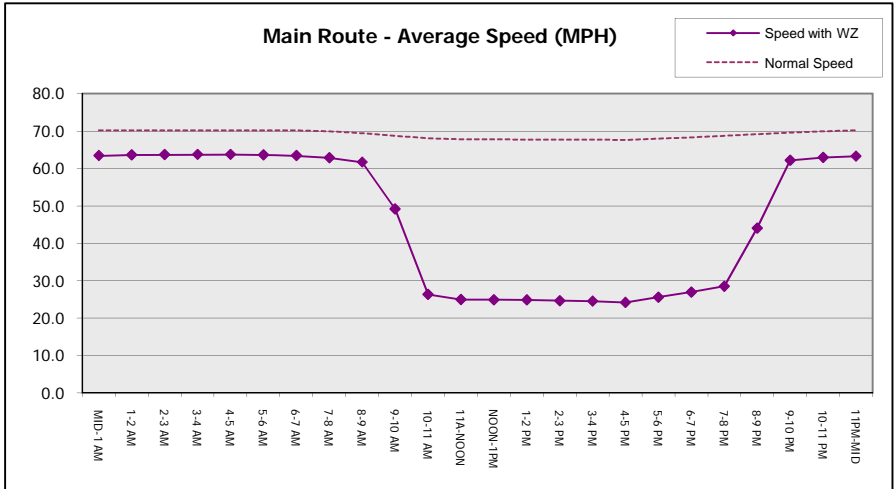
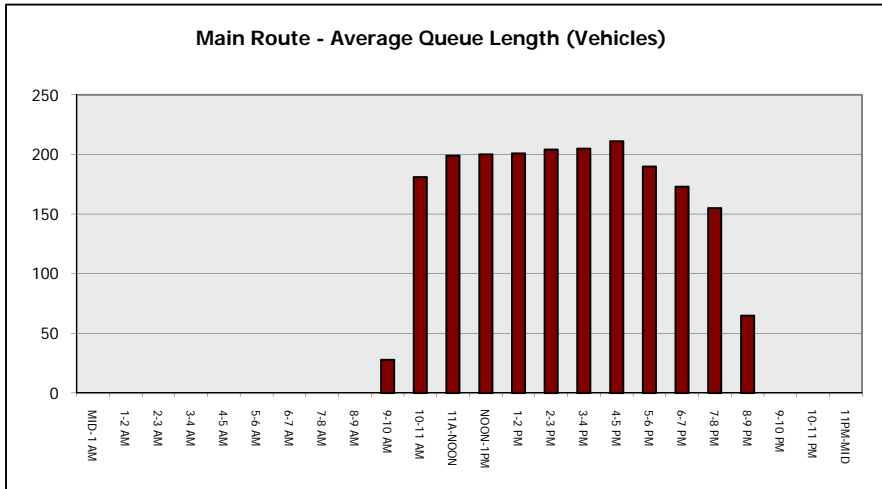
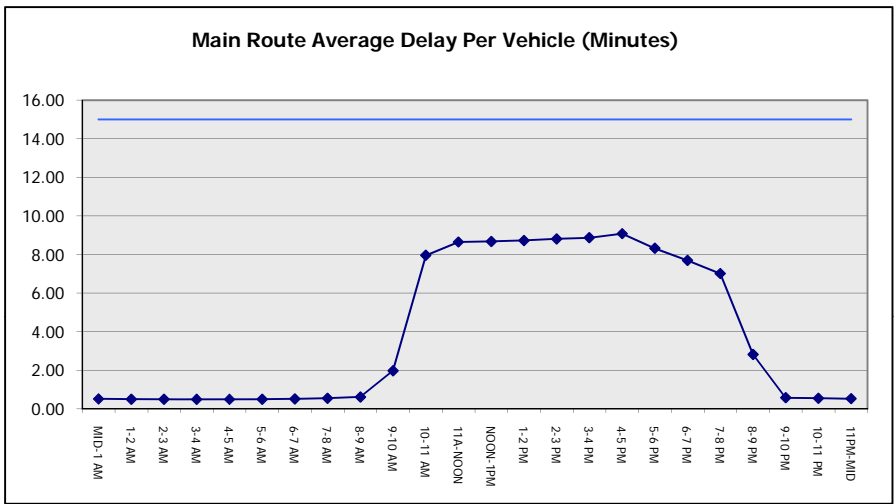
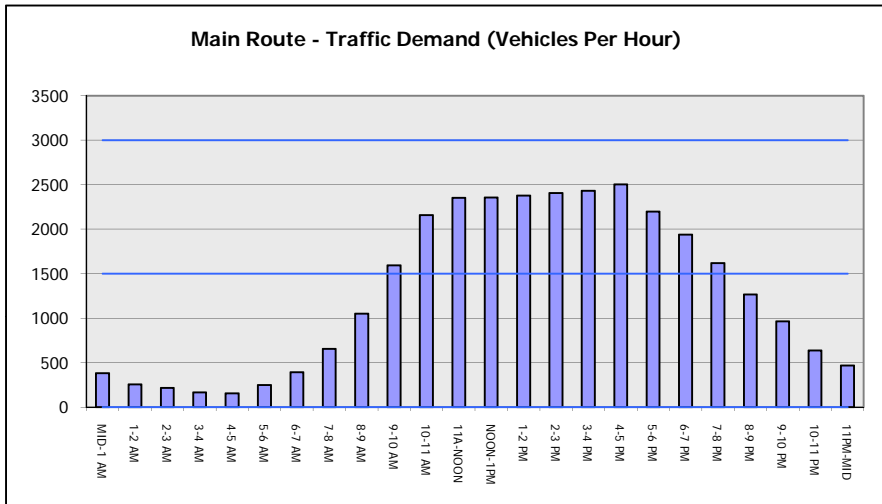
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$61,983
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)
CONTINUOUS (24 HOUR) 2 LANE CLOSURE
DIVERSION ROUTE: STH 30 - USH 51

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE DIVERSION ROUTE: STH 30 - USH 51	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			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	345	0.0	113	0.0	1500	345	0	113	0.51	0	70.2	63.5	44.1	39.2	39.2
1-2 AM	232	0.0	75	0.0	1500	232	0	75	0.50	0	70.2	63.7	44.5	39.4	39.4
2-3 AM	181	0.0	59	0.0	1500	181	0	59	0.49	0	70.2	63.7	44.8	39.4	39.4
3-4 AM	143	0.0	47	0.0	1500	143	0	47	0.49	0	70.2	63.8	44.9	39.5	39.5
4-5 AM	150	0.0	48	0.0	1500	150	0	48	0.49	0	70.2	63.8	44.9	39.5	39.5
5-6 AM	231	0.0	75	0.0	1500	231	0	75	0.50	0	70.2	63.7	44.6	39.4	39.4
6-7 AM	428	0.0	139	0.0	1500	428	0	139	0.52	0	70.2	63.3	43.8	39.1	39.1
7-8 AM	629	0.0	205	0.0	1500	629	0	205	0.55	0	69.9	62.9	43.0	38.8	38.8
8-9 AM	1056	0.0	344	0.0	1499	1056	0	344	0.62	0	69.4	61.7	40.7	38.1	38.1
9-10 AM	1494	0.0	487	0.0	1499	1494	0	487	1.49	13	68.9	53.0	32.2	37.4	37.4
10-11 AM	1992	0.0	649	0.0	1500	1631	361	1010	7.35	168	68.2	27.6	31.2	36.6	34.9
11A-NOON	2458	0.0	800	0.0	1499	1527	931	1731+	8.89	206	67.7	24.5	30.8	35.9	31.4
NOON-1PM	2660	0.0	866	0.0	1500	1512	1148	2015+	9.51	222	67.4	23.5	30.8	35.6	30.1
1-2 PM	2655	0.0	864	0.0	1500	1499	1156	2020+	9.52	223	67.4	23.4	30.8	35.6	30.0
2-3 PM	2803	0.0	914	0.0	1499	1513	1291	2204+	9.95	234	67.3	22.7	30.8	35.3	29.1
3-4 PM	2806	0.0	915	0.0	1500	1498	1308	2223+	10.00	236	67.3	22.7	30.8	35.3	29.1
4-5 PM	2759	0.0	899	0.0	1500	1495	1264	2163+	9.85	232	67.3	22.9	30.8	35.4	29.3
5-6 PM	2690	0.0	877	0.0	1500	1492	1198	2075+	9.65	226	67.4	23.2	30.8	35.5	29.7
6-7 PM	2422	0.0	789	0.0	1500	1476	946	1735+	8.90	206	67.8	24.5	30.8	36.0	31.4
7-8 PM	1953	0.0	636	0.0	1500	1469	484	1120	7.74	175	68.3	26.8	30.8	36.7	34.3
8-9 PM	1562	0.0	509	0.0	1499	1463	99	608	6.77	149	68.8	29.1	30.8	37.3	36.8
9-10 PM	1181	0.0	385	0.0	1499	1181	0	385	1.83	37	69.2	50.5	37.3	37.9	37.9
10-11 PM	837	0.0	273	0.0	1500	837	0	273	0.57	0	69.7	62.5	42.2	38.4	38.4
11PM-MID	522	0.0	170	0.0	1500	522	0	170	0.54	0	70.1	63.2	43.4	38.9	38.9

+ 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	0.0310
MAIN ROUTE WITH WORKS	0.0202
DIVERSION	0.2176

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$78,136
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)
CONTINUOUS (24 HOUR) 2 LANE CLOSURE
DIVERSION ROUTE: STH 30 - USH 51

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

