

<b>IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)</b> <b>CONTINUOUS (24 HOUR) 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: STH 30 - USH 51</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

**SATURDAY 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	560	0.0	182	0.0	1500	560	0	182	0.54	0	70.0	63.1	43.3	38.9	38.9
1-2 AM	369	0.0	120	0.0	1500	369	0	120	0.52	0	70.2	63.4	44.0	39.2	39.2
2-3 AM	302	0.0	98	0.0	1500	302	0	98	0.51	0	70.2	63.5	44.3	39.2	39.2
3-4 AM	276	0.0	90	0.0	1500	276	0	90	0.51	0	70.2	63.6	44.4	39.3	39.3
4-5 AM	311	0.0	102	0.0	1500	311	0	102	0.51	0	70.2	63.5	44.2	39.2	39.2
5-6 AM	540	0.0	176	0.0	1500	540	0	176	0.54	0	70.0	63.1	43.3	38.9	38.9
6-7 AM	956	0.0	312	0.0	1499	956	0	312	0.58	0	69.6	62.2	41.9	38.3	38.3
7-8 AM	1510	0.0	492	0.0	1499	1510	0	492	1.59	16	68.9	52.2	32.0	37.4	37.4
8-9 AM	1963	0.0	639	0.0	1500	1615	348	987	7.32	166	68.3	27.7	31.1	36.6	35.0
9-10 AM	2289	0.0	745	0.0	1499	1518	772	1517+	8.46	194	67.9	25.3	30.8	36.1	32.4
10-11 AM	2554	0.0	832	0.0	1500	1518	1036	1868+	9.18	214	67.6	24.0	30.8	35.7	30.7
11A-NOON	2638	0.0	859	0.0	1500	1504	1134	1993+	9.46	221	67.4	23.5	30.8	35.6	30.1
NOON-1PM	2595	0.0	845	0.0	1500	1495	1100	1945+	9.35	218	67.5	23.7	30.8	35.6	30.4
1-2 PM	2522	0.0	821	0.0	1500	1494	1028	1849+	9.14	213	67.6	24.1	30.8	35.8	30.9
2-3 PM	2408	0.0	785	0.0	1500	1492	916	1700+	8.83	204	67.8	24.7	30.8	36.0	31.5
3-4 PM	2389	0.0	779	0.0	1500	1498	891	1669+	8.77	202	67.8	24.7	30.8	36.0	31.7
4-5 PM	2233	0.0	727	0.0	1500	1487	746	1473+	8.38	192	67.9	25.5	30.8	36.3	32.7
5-6 PM	1969	0.0	641	0.0	1500	1482	487	1128	7.76	175	68.3	26.8	30.8	36.6	34.3
6-7 PM	1670	0.0	544	0.0	1500	1483	187	731	7.11	157	68.7	28.3	30.8	37.1	36.2
7-8 PM	1417	0.0	461	0.0	1499	1411	6	467	5.68	122	69.0	32.2	31.0	37.5	37.5
8-9 PM	1180	0.0	384	0.0	1500	1180	0	384	0.94	7	69.2	58.2	38.8	37.9	37.9
9-10 PM	1038	0.0	338	0.0	1500	1038	0	338	0.59	0	69.4	62.0	41.5	38.1	38.1
10-11 PM	797	0.0	260	0.0	1500	797	0	260	0.56	0	69.7	62.5	42.4	38.5	38.5
11PM-MID	604	0.0	197	0.0	1500	604	0	197	0.54	0	70.0	63.0	43.1	38.8	38.8

+ 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	0.0318
MAIN ROUTE WITH WORKS	0.0222
DIVERSION	0.2049

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$70,537
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

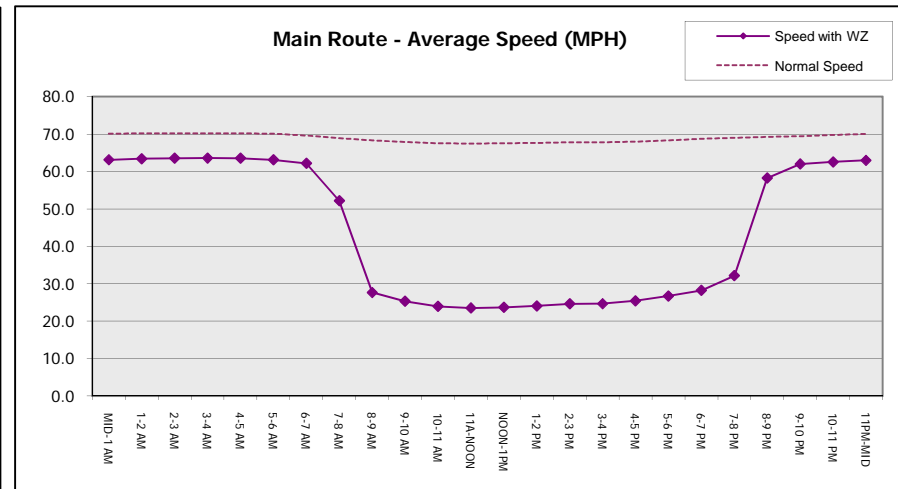
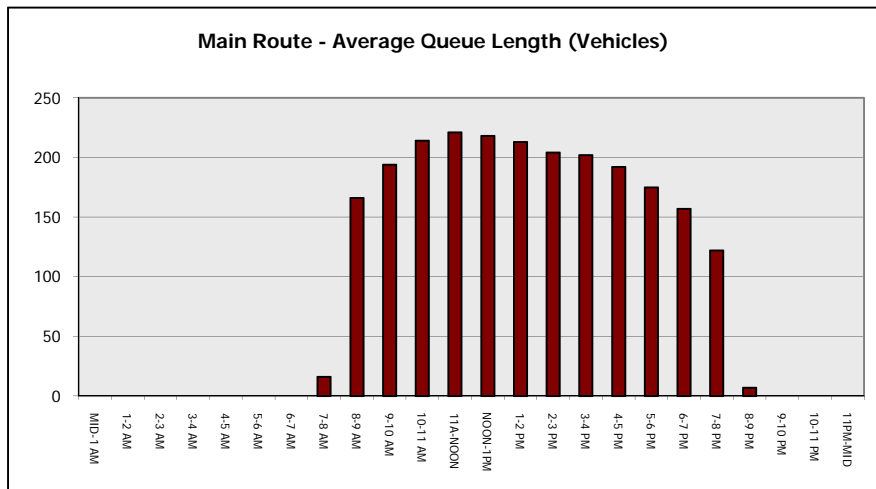
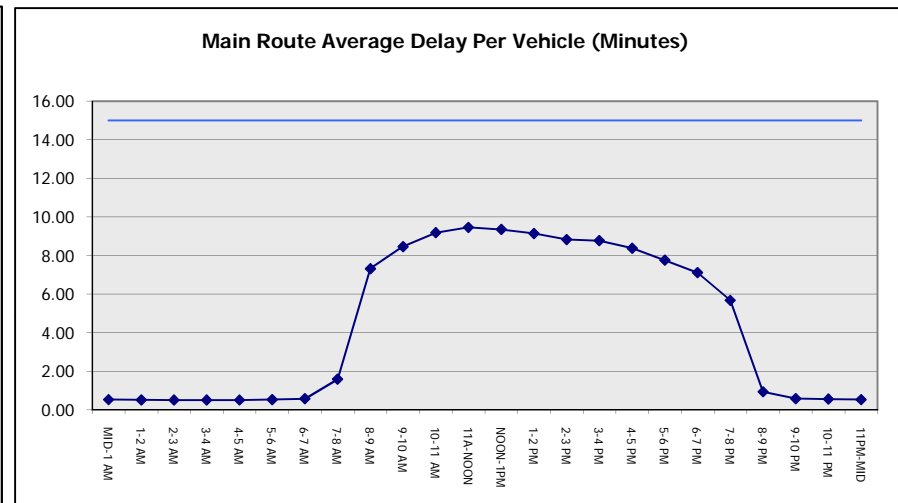
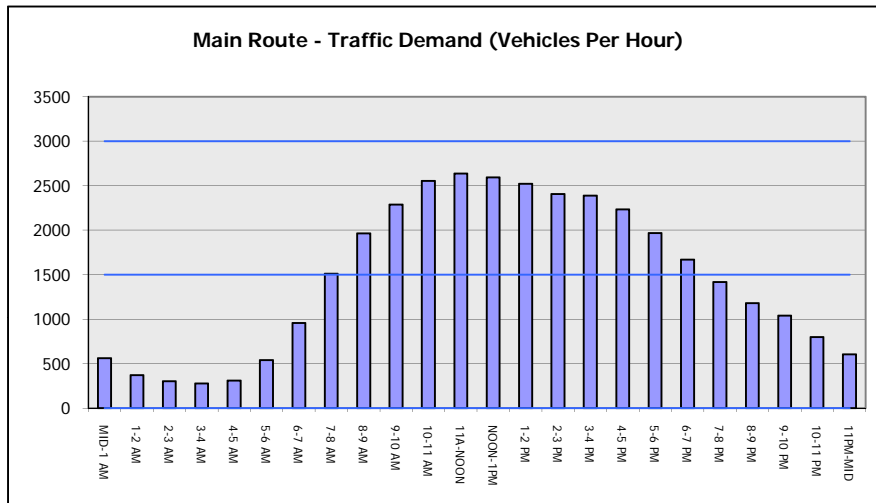
**IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)**  
**CONTINUOUS (24 HOUR) 2 LANE CLOSURE**  
**DIVERSION ROUTE: STH 30 - USH 51**

**MAY**

Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**SATURDAY WESTBOUND DIRECTION**



<b>IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)</b> <b>CONTINUOUS (24 HOUR) 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: STH 30 - USH 51</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY 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	458	0.0	150	0.0	1500	458	0	150	0.53	0	70.2	63.3	43.7	39.0	39.0
1-2 AM	295	0.0	96	0.0	1500	295	0	96	0.51	0	70.2	63.5	44.3	39.3	39.3
2-3 AM	260	0.0	85	0.0	1500	260	0	85	0.50	0	70.2	63.6	44.5	39.3	39.3
3-4 AM	247	0.0	81	0.0	1500	247	0	81	0.50	0	70.2	63.6	44.5	39.4	39.4
4-5 AM	277	0.0	90	0.0	1500	277	0	90	0.51	0	70.2	63.6	44.4	39.3	39.3
5-6 AM	382	0.0	125	0.0	1500	382	0	125	0.52	0	70.2	63.4	44.0	39.1	39.1
6-7 AM	686	0.0	224	0.0	1500	686	0	224	0.55	0	69.9	62.8	42.8	38.7	38.7
7-8 AM	1129	0.0	367	0.0	1499	1129	0	367	0.67	0	69.3	61.0	39.5	38.0	38.0
8-9 AM	1542	0.0	502	0.0	1499	1542	0	502	1.62	16	68.8	51.9	31.2	37.3	37.3
9-10 AM	1828	0.0	595	0.0	1500	1607	221	816	6.76	151	68.4	29.1	30.8	36.9	35.8
10-11 AM	2086	0.0	679	0.0	1499	1513	574	1253+	7.97	181	68.1	26.3	30.8	36.5	33.7
11A-NOON	2212	0.0	720	0.0	1500	1507	705	1425+	8.29	189	68.0	25.6	30.8	36.3	32.9
NOON-1PM	2292	0.0	746	0.0	1500	1504	788	1534+	8.50	195	67.9	25.3	30.8	36.1	32.4
1-2 PM	2218	0.0	722	0.0	1500	1494	724	1446+	8.33	191	68.0	25.6	30.8	36.3	32.8
2-3 PM	2174	0.0	708	0.0	1500	1497	677	1385+	8.22	187	68.1	25.8	30.8	36.3	33.1
3-4 PM	2136	0.0	696	0.0	1500	1498	638	1334+	8.12	185	68.1	26.0	30.8	36.4	33.3
4-5 PM	2112	0.0	687	0.0	1500	1497	614	1302+	8.06	183	68.1	26.1	30.8	36.5	33.5
5-6 PM	1923	0.0	627	0.0	1500	1486	437	1064	7.65	172	68.4	27.0	30.8	36.7	34.7
6-7 PM	1607	0.0	523	0.0	1500	1482	125	648	6.98	154	68.7	28.6	30.8	37.2	36.6
7-8 PM	1374	0.0	448	0.0	1499	1374	0	448	4.64	98	69.1	35.6	31.5	37.6	37.6
8-9 PM	1247	0.0	406	0.0	1500	1247	0	406	0.82	1	69.2	59.4	36.9	37.8	37.8
9-10 PM	1101	0.0	359	0.0	1500	1101	0	359	0.60	0	69.4	61.9	41.4	38.0	38.0
10-11 PM	905	0.0	295	0.0	1500	905	0	295	0.58	0	69.6	62.3	42.0	38.3	38.3
11PM-MID	622	0.0	202	0.0	1500	622	0	202	0.55	0	70.0	62.9	43.0	38.8	38.8

+ 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	0.0282
MAIN ROUTE WITH WORKS	0.0215
DIVERSION	0.1595

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$53,749
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**  
**SATURDAY EASTBOUND DIRECTION**

