

<b>IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: IH 39 - USH 12 - STH 73</b>	<b>OCTOBER</b>
	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	288	0.0	63	0.0	1500	288	0	63	0.45	0	65.8	62.8	44.3	43.8	43.8
1-2 AM	146	0.0	32	0.0	1500	146	0	32	0.44	0	66.1	63.1	44.9	44.3	44.3
2-3 AM	105	0.0	23	0.0	1500	105	0	23	0.43	0	66.2	63.2	45.1	44.4	44.4
3-4 AM	83	0.0	18	0.0	1500	83	0	18	0.43	0	66.3	63.3	45.1	44.5	44.5
4-5 AM	109	0.0	24	0.0	1500	109	0	24	0.43	0	66.2	63.2	45.0	44.3	44.3
5-6 AM	152	0.0	33	0.0	1500	152	0	33	0.44	0	66.1	63.1	44.9	44.2	44.2
6-7 AM	260	0.0	57	0.0	1500	260	0	57	0.45	0	65.9	62.8	44.5	43.9	43.9
7-8 AM	424	0.0	92	0.0	1500	424	0	92	0.46	0	65.6	62.5	43.8	43.4	43.4
8-9 AM	726	0.0	158	0.0	1500	726	0	158	0.49	0	65.0	61.8	42.7	42.5	42.5
9-10 AM	1149	0.0	251	0.0	1499	1149	0	251	0.61	0	64.3	60.3	39.2	41.1	41.1
10-11 AM	1570	0.0	342	0.0	1499	1570	0	342	1.65	18	63.5	54.1	30.9	39.9	39.9
11A-NOON	1786	0.0	389	0.0	1500	1786	0	389	8.33	210	63.0	33.8	30.8	39.2	39.2
NOON-1PM	1809	0.0	394	0.0	1499	1780	30	424	19.62	511	63.0	20.7	30.8	39.1	38.7
1-2 PM	1824	0.0	398	0.0	1499	1539	285	683	25.69	667	63.0	17.1	30.8	39.1	35.0
2-3 PM	1771	0.0	386	0.0	1499	1477	294	680	25.67	666	63.1	17.1	30.8	39.2	35.0
3-4 PM	1732	0.0	378	0.0	1499	1487	245	622	24.87	645	63.2	17.6	30.8	39.3	35.8
4-5 PM	1826	0.0	399	0.0	1500	1537	289	688	25.76	669	63.0	17.1	30.8	39.1	34.9
5-6 PM	1674	0.0	365	0.0	1499	1423	251	617	24.81	643	63.3	17.6	30.8	39.5	36.0
6-7 PM	1378	0.0	300	0.0	1499	1341	38	338	20.53	527	63.8	20.2	30.8	40.4	39.9
7-8 PM	1163	0.0	253	0.0	1499	1163	0	253	11.07	289	64.2	29.6	32.4	41.1	41.1
8-9 PM	899	0.0	196	0.0	1500	899	0	196	0.84	10	64.7	59.4	42.0	41.9	41.9
9-10 PM	624	0.0	136	0.0	1500	624	0	136	0.48	0	65.2	62.0	43.0	42.8	42.8
10-11 PM	430	0.0	94	0.0	1500	430	0	94	0.46	0	65.6	62.5	43.8	43.3	43.3
11PM-MID	268	0.0	59	0.0	1500	268	0	59	0.45	0	65.9	62.8	44.4	43.9	43.9

*----- 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	0.0357
MAIN ROUTE WITH WORKS	0.0320
DIVERSION	0.0476

PIA: Personal Injury Accidents

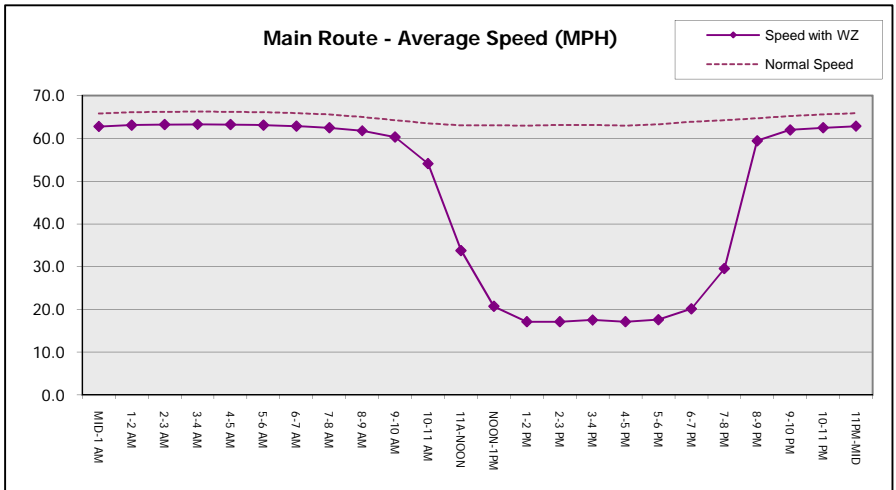
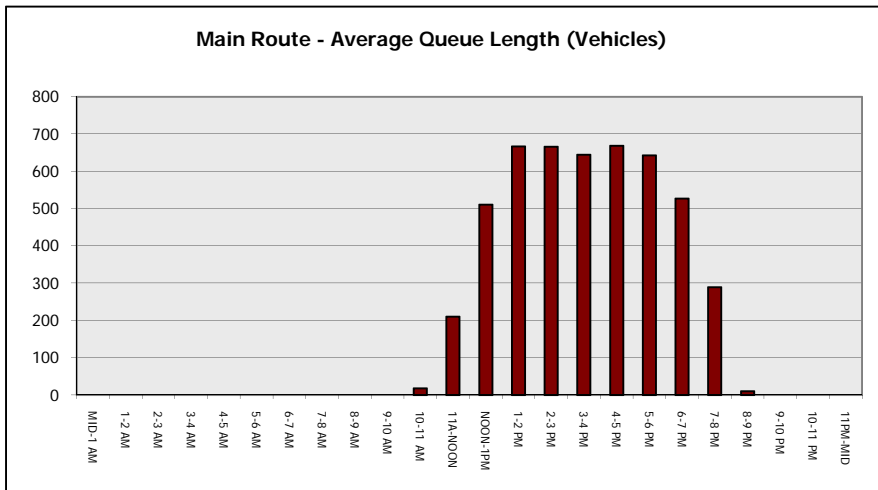
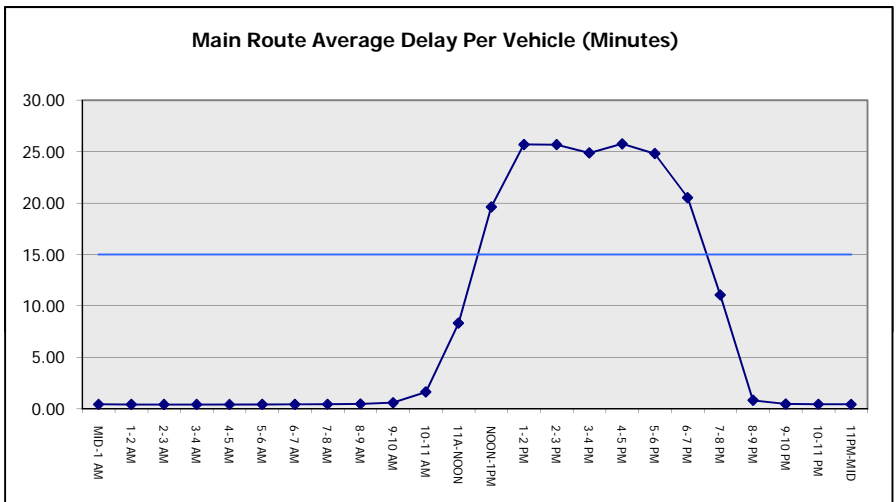
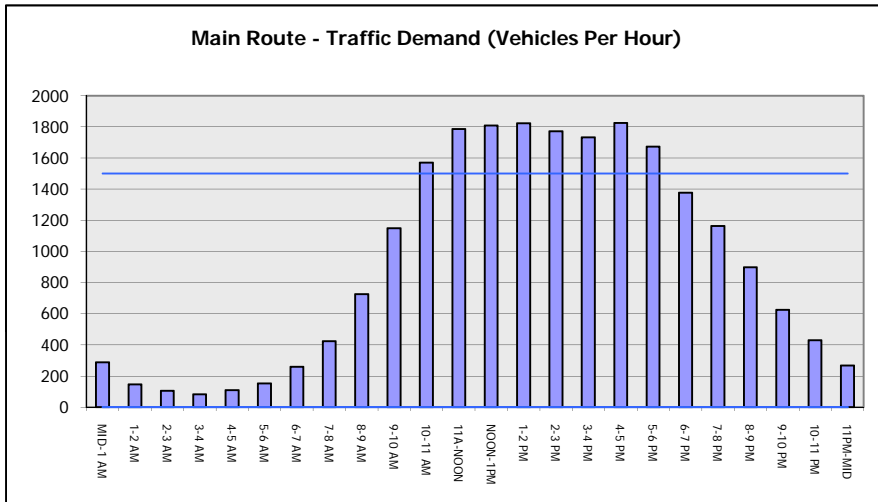
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$105,113
CONGESTED HOURS PER DAY*	7

\*Delays Exceeding 15 Minutes

**IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY)**  
**CONTINUOUS (24 HOUR) CLOSURE**  
**DIVERSION ROUTE: IH 39 - USH 12 - STH 73**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY WESTBOUND DIRECTION**



<b>IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: IH 39 - USH 12 - STH 73</b>	<b>OCTOBER</b>
	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	254	0.0	55	0.0	1500	254	0	55	0.45	0	65.9	62.8	44.5	43.9	43.9
1-2 AM	178	0.0	39	0.0	1500	178	0	39	0.44	0	66.1	63.0	44.8	44.2	44.2
2-3 AM	145	0.0	31	0.0	1500	145	0	31	0.44	0	66.1	63.1	44.9	44.3	44.3
3-4 AM	118	0.0	26	0.0	1500	118	0	26	0.43	0	66.1	63.2	45.0	44.3	44.3
4-5 AM	106	0.0	23	0.0	1500	106	0	23	0.43	0	66.2	63.2	45.1	44.4	44.4
5-6 AM	142	0.0	31	0.0	1500	142	0	31	0.44	0	66.1	63.1	44.9	44.3	44.3
6-7 AM	198	0.0	43	0.0	1500	198	0	43	0.44	0	66.0	63.0	44.7	44.1	44.1
7-8 AM	308	0.0	67	0.0	1500	308	0	67	0.45	0	65.8	62.7	44.3	43.8	43.8
8-9 AM	624	0.0	136	0.0	1500	624	0	136	0.48	0	65.2	62.0	43.0	42.8	42.8
9-10 AM	1033	0.0	225	0.0	1499	1033	0	225	0.55	0	64.5	60.9	40.9	41.5	41.5
10-11 AM	1633	0.0	357	0.0	1499	1633	0	357	2.14	34	63.3	51.7	30.9	39.6	39.6
11A-NOON	2197	0.0	479	0.0	1500	2132	65	545	16.12	456	62.3	23.4	30.8	37.9	36.9
NOON-1PM	2435	0.0	532	0.0	1500	1771	664	1196	34.79	922	61.5	13.5	30.8	37.1	27.7
1-2 PM	2490	0.0	543	0.0	1500	1594	896	1439+	41.09	1092	61.0	11.9	30.8	36.9	24.2
2-3 PM	2550	0.0	557	0.0	1500	1577	973	1529+	43.85	1169	60.4	11.2	30.8	36.8	22.9
3-4 PM	2785	0.0	607	0.0	1500	1657	1127	1734+	48.34	1302	58.0	10.3	30.8	36.1	21.0
4-5 PM	2997	0.0	654	0.0	1500	1500	1497	2151+	49.42	1341	55.8	10.1	30.8	35.4	20.5
5-6 PM	3202	0.0	699	0.0	1500	1500	1702	2401+	49.00	1341	53.7	10.1	30.8	34.8	20.5
6-7 PM	2549	0.0	557	0.0	1500	1341	1208	1765+	48.74	1301	60.4	10.3	30.8	36.8	21.0
7-8 PM	2015	0.0	439	0.0	1500	1116	900	1339+	38.52	1022	62.7	12.5	30.8	38.4	25.6
8-9 PM	1590	0.0	346	0.0	1500	1231	359	705	26.09	682	63.4	17.0	30.8	39.8	34.7
9-10 PM	1080	0.0	235	0.0	1499	1080	0	235	14.03	377	64.4	25.8	33.2	41.4	41.4
10-11 PM	631	0.0	138	0.0	1500	631	0	138	0.84	12	65.2	59.8	43.0	42.7	42.7
11PM-MID	328	0.0	71	0.0	1500	328	0	71	0.45	0	65.8	62.7	44.2	43.7	43.7

+ 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	0.0508
MAIN ROUTE WITH WORKS	0.0342
DIVERSION	0.1236

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$339,687
CONGESTED HOURS PER DAY*	10

\*Delays Exceeding 15 Minutes

**IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY)**  
**CONTINUOUS (24 HOUR) CLOSURE**  
**DIVERSION ROUTE: IH 39 - USH 12 - STH 73**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY EASTBOUND DIRECTION**

