

IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: IH 39 - USH 12 - STH 73	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	412	0.0	90	0.0	1500	412	0	90	0.46	0	65.6	62.5	43.8	43.4	43.4
1-2 AM	222	0.0	48	0.0	1500	222	0	48	0.44	0	66.0	62.9	44.6	44.0	44.0
2-3 AM	113	0.0	24	0.0	1500	113	0	24	0.43	0	66.2	63.2	45.0	44.3	44.3
3-4 AM	92	0.0	20	0.0	1500	92	0	20	0.43	0	66.2	63.2	45.1	44.4	44.4
4-5 AM	94	0.0	21	0.0	1500	94	0	21	0.43	0	66.2	63.2	45.1	44.4	44.4
5-6 AM	161	0.0	36	0.0	1500	161	0	36	0.44	0	66.1	63.1	44.8	44.2	44.2
6-7 AM	307	0.0	67	0.0	1500	307	0	67	0.45	0	65.8	62.7	44.3	43.8	43.8
7-8 AM	584	0.0	128	0.0	1500	584	0	128	0.48	0	65.3	62.1	43.2	42.9	42.9
8-9 AM	982	0.0	214	0.0	1499	982	0	214	0.52	0	64.6	61.2	41.7	41.7	41.7
9-10 AM	1489	0.0	324	0.0	1499	1489	0	324	1.44	15	63.6	55.2	32.4	40.1	40.1
10-11 AM	2047	0.0	447	0.0	1500	2047	0	447	10.96	306	62.6	29.3	30.8	38.4	38.4
11A-NOON	2366	0.0	516	0.0	1499	1863	503	1019	31.14	826	62.0	14.8	30.8	37.4	30.2
NOON-1PM	2285	0.0	499	0.0	1499	1498	787	1287+	37.07	978	62.1	12.9	30.8	37.6	26.4
1-2 PM	2125	0.0	463	0.0	1499	1399	726	1189	34.78	916	62.4	13.6	30.8	38.1	27.8
2-3 PM	2074	0.0	452	0.0	1499	1456	618	1070	32.23	846	62.5	14.5	30.8	38.3	29.5
3-4 PM	1979	0.0	432	0.0	1499	1446	533	965	30.23	791	62.7	15.2	30.8	38.6	31.0
4-5 PM	2027	0.0	443	0.0	1499	1522	505	947	29.90	782	62.6	15.3	30.8	38.4	31.2
5-6 PM	2003	0.0	436	0.0	1499	1472	531	967	30.26	792	62.7	15.2	30.8	38.5	30.9
6-7 PM	1558	0.0	340	0.0	1499	1288	270	610	24.76	644	63.5	17.6	30.8	39.9	36.0
7-8 PM	1328	0.0	290	0.0	1499	1328	0	290	18.75	480	63.9	21.4	30.8	40.6	40.6
8-9 PM	1106	0.0	242	0.0	1499	1106	0	242	7.17	199	64.3	36.5	34.7	41.3	41.3
9-10 PM	809	0.0	177	0.0	1500	809	0	177	0.50	0	64.9	61.6	42.4	42.2	42.2
10-11 PM	581	0.0	127	0.0	1500	581	0	127	0.48	0	65.3	62.1	43.2	42.9	42.9
11PM-MID	375	0.0	82	0.0	1500	375	0	82	0.46	0	65.7	62.6	44.0	43.5	43.5

+ 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	0.0436
MAIN ROUTE WITH WORKS	0.0349
DIVERSION	0.0789

PIA: Personal Injury Accidents

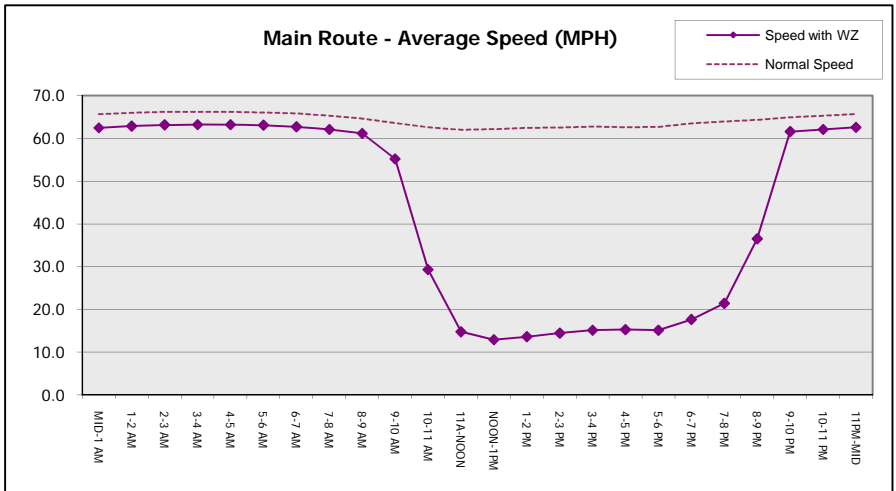
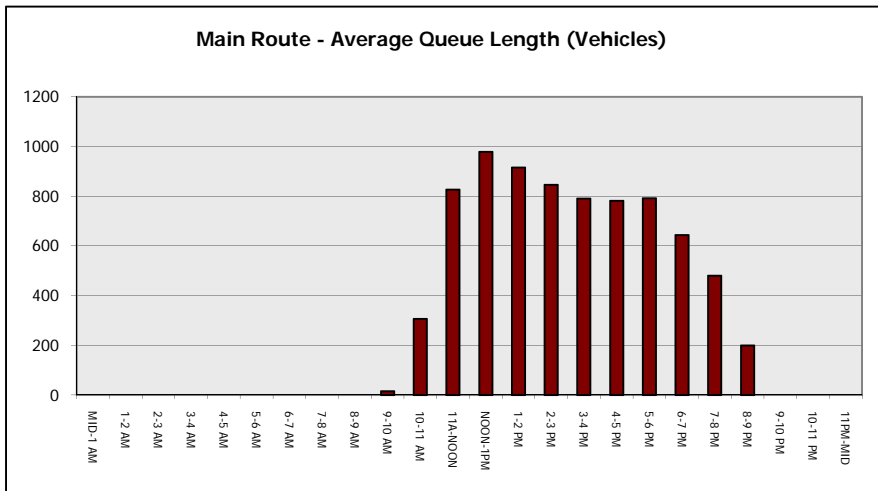
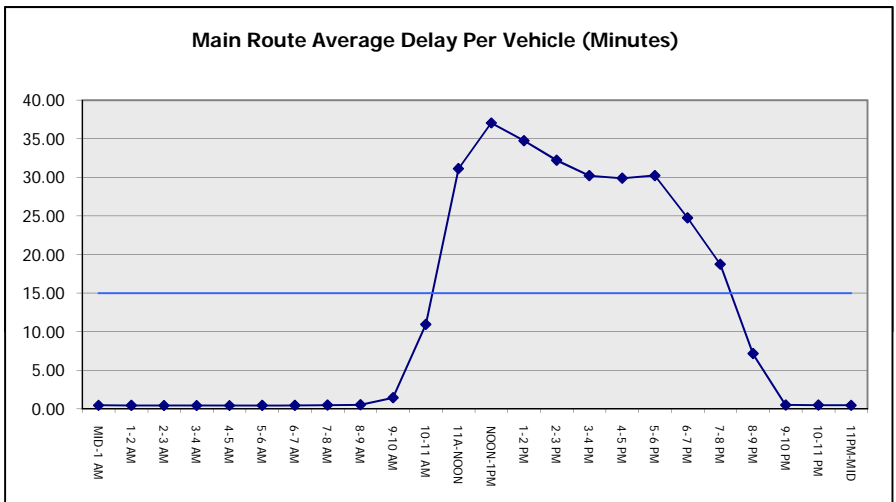
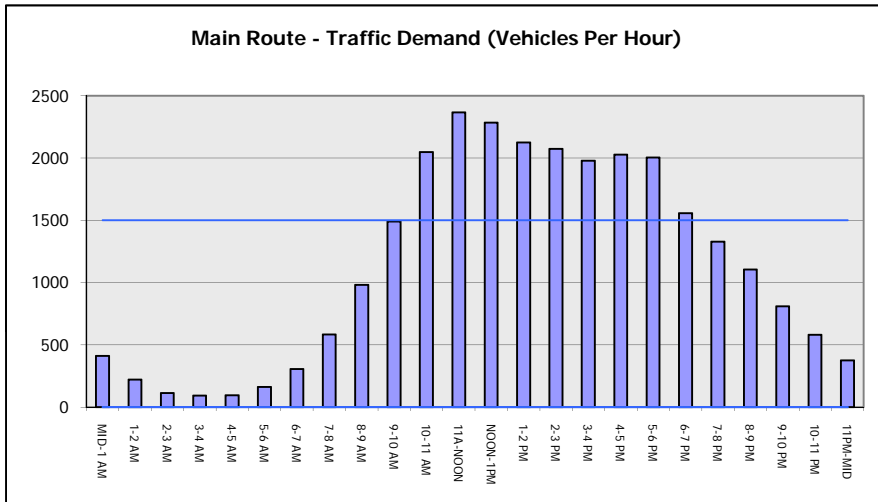
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$191,701
CONGESTED HOURS PER DAY*	9

*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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: IH 39 - USH 12 - STH 73	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	468	0.0	101	0.0	1500	468	0	101	0.47	0	65.5	62.3	43.7	43.3	43.3
1-2 AM	222	0.0	48	0.0	1500	222	0	48	0.44	0	66.0	62.9	44.6	44.0	44.0
2-3 AM	162	0.0	36	0.0	1500	162	0	36	0.44	0	66.1	63.1	44.8	44.2	44.2
3-4 AM	133	0.0	29	0.0	1500	133	0	29	0.44	0	66.1	63.2	45.0	44.3	44.3
4-5 AM	121	0.0	26	0.0	1500	121	0	26	0.43	0	66.1	63.2	45.0	44.3	44.3
5-6 AM	161	0.0	36	0.0	1500	161	0	36	0.44	0	66.1	63.1	44.8	44.2	44.2
6-7 AM	238	0.0	52	0.0	1500	238	0	52	0.45	0	66.0	62.9	44.5	44.0	44.0
7-8 AM	394	0.0	86	0.0	1500	394	0	86	0.46	0	65.6	62.5	43.9	43.5	43.5
8-9 AM	725	0.0	158	0.0	1500	725	0	158	0.49	0	65.0	61.8	42.7	42.5	42.5
9-10 AM	1216	0.0	265	0.0	1499	1216	0	265	0.68	0	64.1	59.8	37.7	40.9	40.9
10-11 AM	1859	0.0	406	0.0	1499	1859	0	406	5.48	142	62.9	40.1	30.8	38.9	38.9
11A-NOON	2412	0.0	526	0.0	1500	2110	302	829	25.85	705	61.8	17.0	30.8	37.2	32.9
NOON-1PM	2578	0.0	563	0.0	1500	1714	864	1427+	40.58	1084	60.1	11.9	30.8	36.7	24.4
1-2 PM	2644	0.0	576	0.0	1500	1618	1026	1603+	46.26	1239	59.4	10.7	30.8	36.5	21.9
2-3 PM	2856	0.0	622	0.0	1500	1500	1355	1978+	49.70	1341	57.3	10.1	30.8	35.8	20.5
3-4 PM	2990	0.0	652	0.0	1500	1500	1489	2141+	49.44	1341	55.9	10.1	30.8	35.4	20.5
4-5 PM	2970	0.0	648	0.0	1500	1500	1469	2117+	49.48	1341	56.1	10.1	30.8	35.5	20.5
5-6 PM	3058	0.0	667	0.0	1500	1500	1557	2225+	49.30	1341	55.2	10.1	30.8	35.2	20.5
6-7 PM	2586	0.0	564	0.0	1500	1474	1111	1675+	49.16	1313	60.0	10.2	30.8	36.7	20.9
7-8 PM	2367	0.0	516	0.0	1500	1321	1046	1561+	45.21	1200	62.0	11.0	30.8	37.4	22.5
8-9 PM	1924	0.0	420	0.0	1500	1150	775	1194	34.95	925	62.8	13.6	30.8	38.8	27.7
9-10 PM	1362	0.0	297	0.0	1499	1194	169	466	22.44	584	63.8	18.9	30.8	40.5	38.1
10-11 PM	872	0.0	190	0.0	1499	872	0	190	5.38	178	64.8	41.1	38.1	42.0	42.0
11PM-MID	449	0.0	98	0.0	1500	449	0	98	0.47	0	65.6	62.4	43.7	43.3	43.3

+ 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	0.0559
MAIN ROUTE WITH WORKS	0.0364
DIVERSION	0.1423

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$406,259
CONGESTED HOURS PER DAY*	11

*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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

