

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

MON-THUR 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	230	0.0	50	0.0	1500	230	0	50	0.44	0	66.0	62.9	44.6	44.0	44.0
1-2 AM	161	0.0	36	0.0	1500	161	0	36	0.44	0	66.1	63.1	44.8	44.2	44.2
2-3 AM	144	0.0	31	0.0	1500	144	0	31	0.44	0	66.1	63.1	44.9	44.3	44.3
3-4 AM	132	0.0	28	0.0	1500	132	0	28	0.44	0	66.1	63.2	45.0	44.3	44.3
4-5 AM	218	0.0	47	0.0	1500	218	0	47	0.44	0	66.0	62.9	44.6	44.0	44.0
5-6 AM	464	0.0	101	0.0	1500	464	0	101	0.47	0	65.5	62.3	43.7	43.3	43.3
6-7 AM	1112	0.0	243	0.0	1499	1112	0	243	0.61	0	64.3	60.4	39.3	41.2	41.2
7-8 AM	1572	0.0	343	0.0	1499	1572	0	343	1.72	20	63.5	53.7	30.8	39.8	39.8
8-9 AM	1612	0.0	352	0.0	1499	1612	0	352	5.57	125	63.4	40.1	30.8	39.7	39.7
9-10 AM	1660	0.0	362	0.0	1500	1660	0	362	10.62	263	63.3	30.0	30.8	39.6	39.6
10-11 AM	1642	0.0	358	0.0	1499	1642	0	358	16.39	417	63.3	23.3	30.8	39.6	39.6
11A-NOON	1574	0.0	343	0.0	1499	1572	2	345	20.53	527	63.5	20.1	30.8	39.8	39.8
NOON-1PM	1491	0.0	325	0.0	1499	1482	9	334	21.37	548	63.6	19.6	30.8	40.1	39.9
1-2 PM	1495	0.0	326	0.0	1500	1495	0	326	20.92	536	63.6	19.9	30.8	40.1	40.1
2-3 PM	1519	0.0	332	0.0	1500	1519	1	332	21.01	539	63.5	19.8	30.8	40.0	40.0
3-4 PM	1673	0.0	365	0.0	1499	1570	103	468	22.90	591	63.3	18.6	30.8	39.5	38.1
4-5 PM	1869	0.0	408	0.0	1500	1581	288	696	25.87	673	62.9	17.1	30.8	38.9	34.8
5-6 PM	1825	0.0	399	0.0	1499	1463	362	761	26.85	699	63.0	16.6	30.8	39.1	33.8
6-7 PM	1382	0.0	301	0.0	1499	1282	101	402	21.62	558	63.8	19.4	30.8	40.4	39.0
7-8 PM	963	0.0	210	0.0	1499	963	0	210	6.60	206	64.6	37.9	36.9	41.7	41.7
8-9 PM	759	0.0	165	0.0	1500	759	0	165	0.50	0	65.0	61.7	42.5	42.4	42.4
9-10 PM	690	0.0	151	0.0	1500	690	0	151	0.49	0	65.1	61.9	42.8	42.5	42.5
10-11 PM	616	0.0	135	0.0	1500	616	0	135	0.48	0	65.3	62.0	43.1	42.8	42.8
11PM-MID	419	0.0	91	0.0	1500	419	0	91	0.46	0	65.6	62.5	43.8	43.4	43.4

----- 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	0.0405
MAIN ROUTE WITH WORKS	0.0375
DIVERSION	0.0483

PIA: Personal Injury Accidents

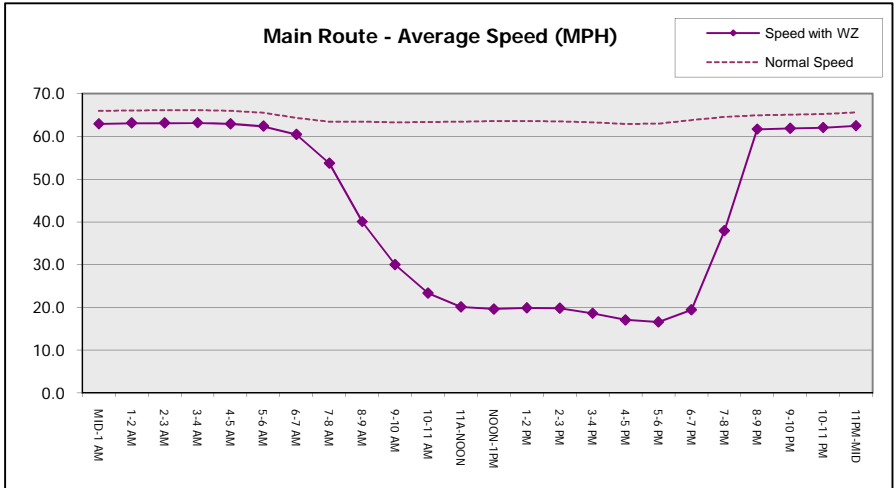
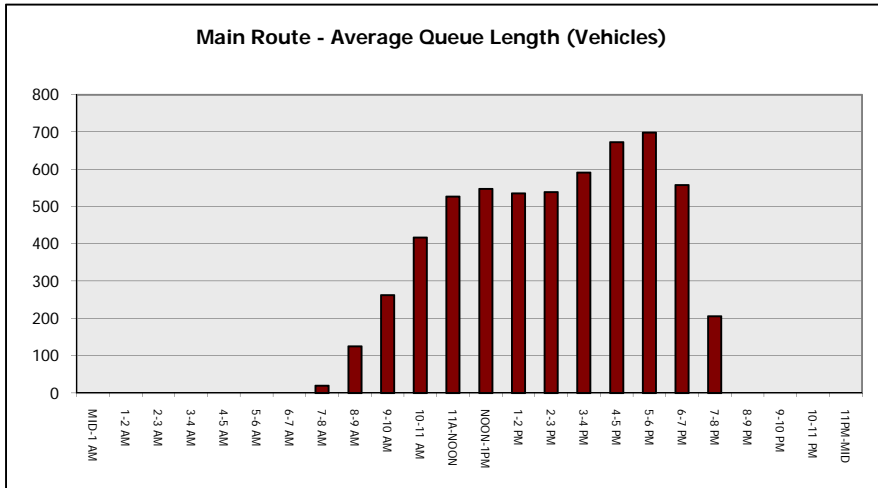
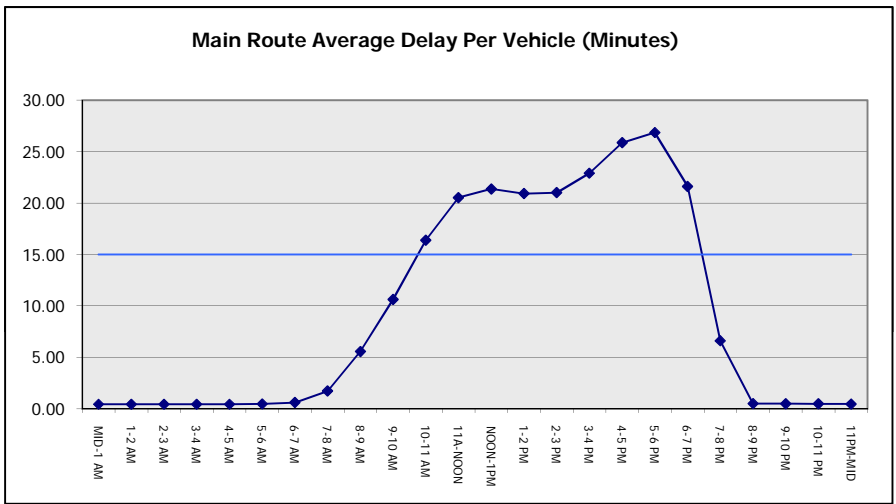
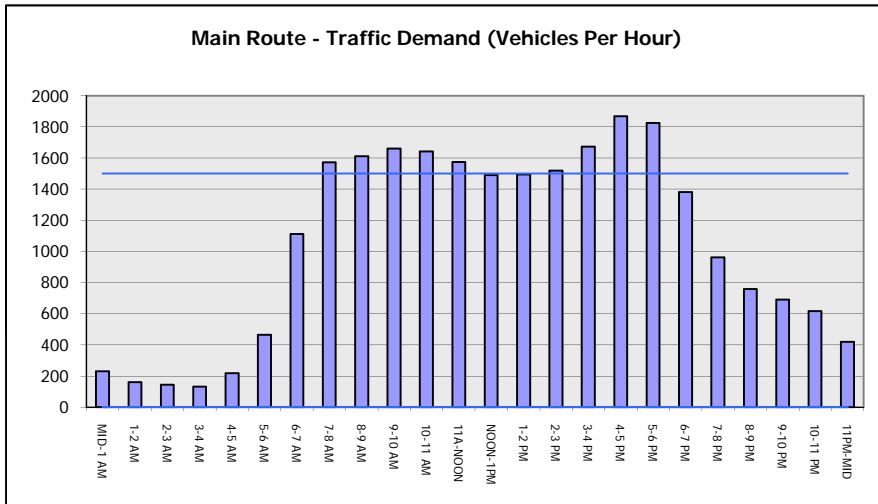
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$83,801
CONGESTED HOURS PER DAY*	9

*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
MON-THUR 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

MON-THUR 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 DIVERTING	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	211	0.0	46	0.0	1500	211	0	46	0.44	0	66.0	63.0	44.6	44.0	44.0
1-2 AM	146	0.0	31	0.0	1500	146	0	31	0.44	0	66.1	63.1	44.9	44.3	44.3
2-3 AM	123	0.0	27	0.0	1500	123	0	27	0.43	0	66.1	63.2	45.0	44.3	44.3
3-4 AM	155	0.0	33	0.0	1500	155	0	33	0.44	0	66.1	63.1	44.8	44.2	44.2
4-5 AM	293	0.0	64	0.0	1500	293	0	64	0.45	0	65.8	62.8	44.3	43.8	43.8
5-6 AM	642	0.0	140	0.0	1500	642	0	140	0.48	0	65.2	62.0	43.0	42.7	42.7
6-7 AM	1109	0.0	242	0.0	1499	1109	0	242	0.59	0	64.3	60.5	39.8	41.3	41.3
7-8 AM	1496	0.0	326	0.0	1499	1496	0	326	1.11	2	63.6	56.9	31.1	40.1	40.1
8-9 AM	1325	0.0	289	0.0	1500	1325	0	289	0.82	0	63.9	58.9	34.8	40.6	40.6
9-10 AM	1262	0.0	275	0.0	1500	1262	0	275	0.72	0	64.0	59.5	36.6	40.8	40.8
10-11 AM	1304	0.0	285	0.0	1500	1304	0	285	0.77	0	64.0	59.1	35.4	40.7	40.7
11A-NOON	1343	0.0	293	0.0	1500	1343	0	293	0.82	0	63.9	58.8	34.4	40.6	40.6
NOON-1PM	1384	0.0	302	0.0	1499	1384	0	302	0.87	0	63.8	58.4	33.3	40.4	40.4
1-2 PM	1524	0.0	333	0.0	1499	1524	0	333	1.28	7	63.5	56.0	30.9	40.0	40.0
2-3 PM	1682	0.0	367	0.0	1500	1682	0	367	4.88	110	63.3	41.9	30.8	39.5	39.5
3-4 PM	1857	0.0	405	0.0	1500	1857	0	405	14.50	379	62.9	25.1	30.8	38.9	38.9
4-5 PM	2020	0.0	440	0.0	1499	1701	318	759	26.77	700	62.6	16.6	30.8	38.4	33.9
5-6 PM	1903	0.0	415	0.0	1500	1437	467	882	28.79	752	62.8	15.8	30.8	38.8	32.2
6-7 PM	1434	0.0	313	0.0	1499	1281	153	465	22.74	589	63.7	18.8	30.8	40.2	38.1
7-8 PM	1073	0.0	234	0.0	1499	1073	0	234	10.62	290	64.4	30.2	33.8	41.4	41.4
8-9 PM	925	0.0	202	0.0	1500	925	0	202	0.63	3	64.6	60.6	41.9	41.9	41.9
9-10 PM	758	0.0	165	0.0	1500	758	0	165	0.50	0	65.0	61.7	42.5	42.4	42.4
10-11 PM	527	0.0	115	0.0	1500	527	0	115	0.47	0	65.4	62.2	43.4	43.1	43.1
11PM-MID	349	0.0	76	0.0	1500	349	0	76	0.46	0	65.8	62.7	44.1	43.6	43.6

----- 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	0.0399
MAIN ROUTE WITH WORKS	0.0368
DIVERSION	0.0483

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$46,739
CONGESTED HOURS PER DAY*	3

*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
MON-THUR EASTBOUND DIRECTION

