

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

FRIDAY 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	284	0.0	62	0.0	1500	284	0	62	0.45	0	65.8	62.8	44.3	43.8	43.8
1-2 AM	186	0.0	41	0.0	1500	186	0	41	0.44	0	66.0	63.0	44.7	44.2	44.2
2-3 AM	172	0.0	38	0.0	1500	172	0	38	0.44	0	66.1	63.0	44.8	44.2	44.2
3-4 AM	143	0.0	31	0.0	1500	143	0	31	0.44	0	66.1	63.1	44.9	44.3	44.3
4-5 AM	212	0.0	46	0.0	1500	212	0	46	0.44	0	66.0	63.0	44.6	44.0	44.0
5-6 AM	470	0.0	103	0.0	1500	470	0	103	0.47	0	65.5	62.3	43.6	43.2	43.2
6-7 AM	1062	0.0	231	0.0	1499	1062	0	231	0.57	0	64.4	60.7	40.3	41.4	41.4
7-8 AM	1510	0.0	330	0.0	1499	1510	0	330	1.37	11	63.6	55.6	31.5	40.0	40.0
8-9 AM	1701	0.0	371	0.0	1500	1701	0	371	5.64	132	63.2	39.8	30.8	39.4	39.4
9-10 AM	1937	0.0	423	0.0	1500	1911	26	448	16.97	451	62.8	22.7	30.8	38.7	38.3
10-11 AM	2047	0.0	447	0.0	1499	1637	409	856	28.31	741	62.6	16.0	30.8	38.4	32.5
11A-NOON	2062	0.0	450	0.0	1499	1525	537	987	30.62	802	62.5	15.0	30.8	38.3	30.7
NOON-1PM	2260	0.0	493	0.0	1499	1619	641	1134	33.52	882	62.2	14.0	30.8	37.7	28.6
1-2 PM	2320	0.0	506	0.0	1499	1558	762	1268+	36.61	966	62.0	13.0	30.8	37.5	26.6
2-3 PM	2461	0.0	537	0.0	1499	1611	850	1387+	39.61	1051	61.3	12.2	30.8	37.1	25.0
3-4 PM	2613	0.0	570	0.0	1499	1643	970	1540+	44.11	1179	59.7	11.2	30.8	36.6	22.8
4-5 PM	2733	0.0	596	0.0	1499	1606	1127	1723+	48.92	1314	58.5	10.2	30.8	36.2	20.9
5-6 PM	2823	0.0	616	0.0	1499	1500	1323	1940+	49.76	1341	57.6	10.1	30.8	36.0	20.5
6-7 PM	2645	0.0	578	0.0	1499	1421	1225	1802+	49.34	1321	59.4	10.2	30.8	36.5	20.7
7-8 PM	1829	0.0	399	0.0	1499	934	895	1293+	37.37	999	63.0	12.9	30.8	39.1	26.3
8-9 PM	1221	0.0	267	0.0	1499	1105	117	383	19.55	512	64.1	20.9	30.8	40.9	39.2
9-10 PM	939	0.0	205	0.0	1499	939	0	205	3.24	98	64.6	48.0	39.6	41.8	41.8
10-11 PM	817	0.0	178	0.0	1500	817	0	178	0.50	0	64.8	61.5	42.4	42.2	42.2
11PM-MID	641	0.0	140	0.0	1500	641	0	140	0.48	0	65.2	62.0	43.0	42.7	42.7

+ 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	0.0564
MAIN ROUTE WITH WORKS	0.0404
DIVERSION	0.1256

PIA: Personal Injury Accidents

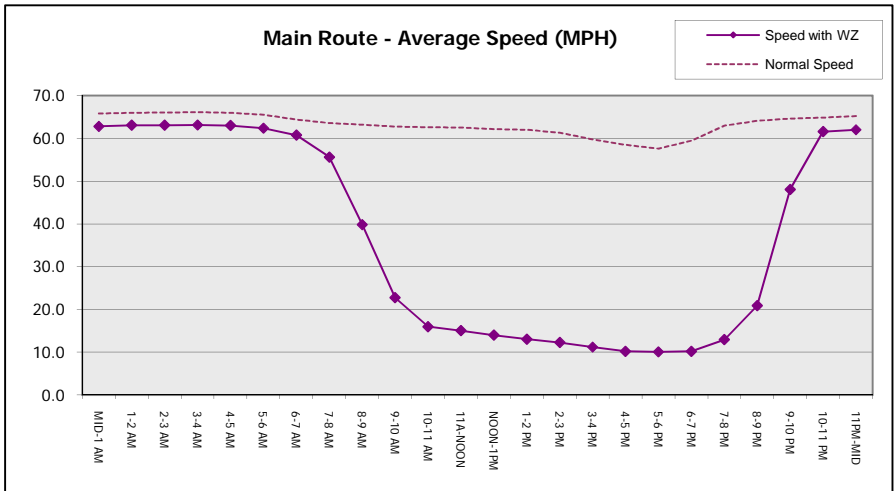
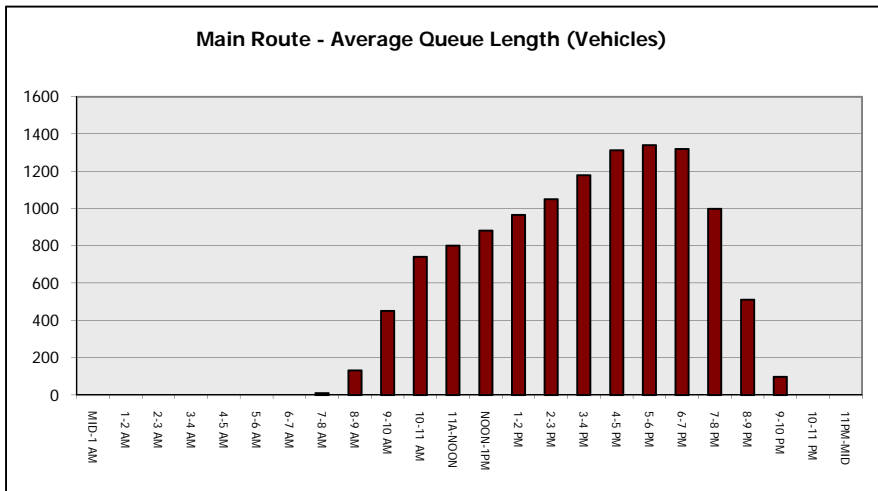
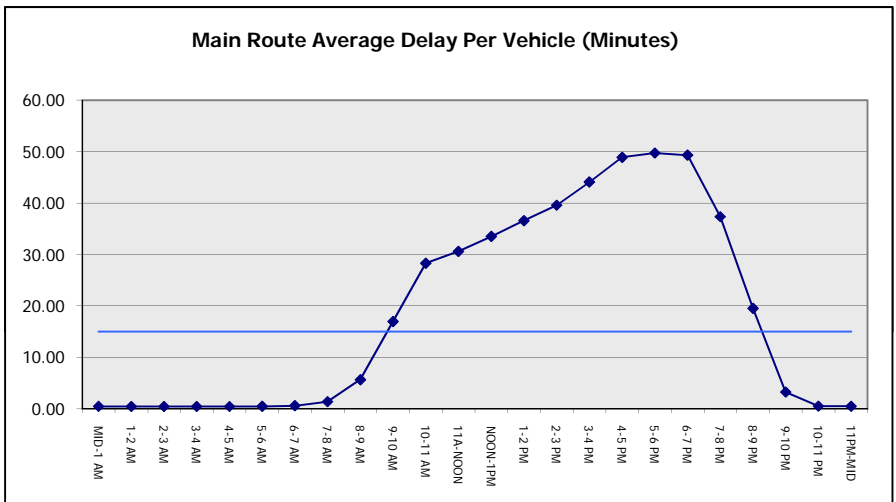
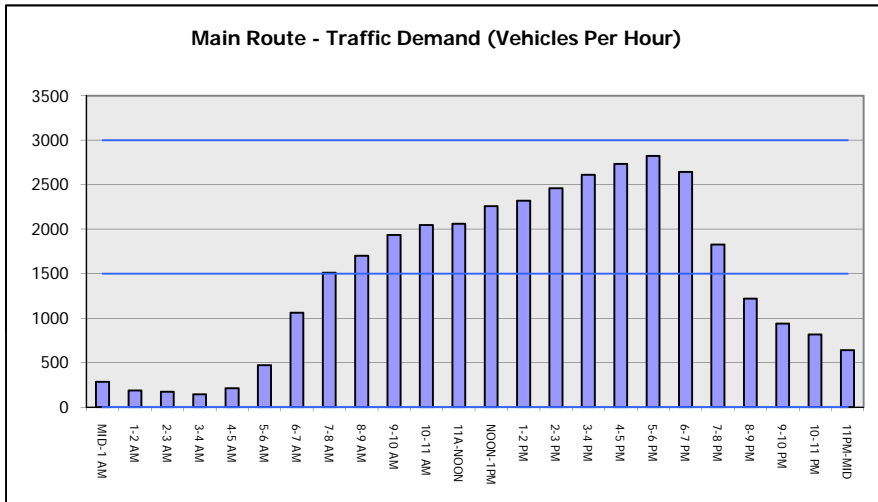
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$282,743
CONGESTED HOURS PER DAY*	12

*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
FRIDAY 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
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SUMMARY OF TRAFFIC MODEL OUTPUT	
FRIDAY	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		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	284	0.0	62	0.0	1500	284	0	62	0.45	0	65.8	62.8	44.3	43.8	43.8
1-2 AM	158	0.0	35	0.0	1500	158	0	35	0.44	0	66.1	63.1	44.8	44.2	44.2
2-3 AM	134	0.0	29	0.0	1500	134	0	29	0.44	0	66.1	63.2	45.0	44.3	44.3
3-4 AM	177	0.0	39	0.0	1500	177	0	39	0.44	0	66.1	63.0	44.8	44.2	44.2
4-5 AM	289	0.0	63	0.0	1500	289	0	63	0.45	0	65.8	62.8	44.3	43.8	43.8
5-6 AM	572	0.0	124	0.0	1500	572	0	124	0.48	0	65.3	62.1	43.2	42.9	42.9
6-7 AM	998	0.0	218	0.0	1500	998	0	218	0.52	0	64.5	61.2	41.7	41.6	41.6
7-8 AM	1317	0.0	288	0.0	1500	1317	0	288	0.79	0	63.9	59.0	35.0	40.6	40.6
8-9 AM	1204	0.0	263	0.0	1500	1204	0	263	0.64	0	64.1	60.1	38.3	41.0	41.0
9-10 AM	1266	0.0	276	0.0	1500	1266	0	276	0.72	0	64.0	59.5	36.5	40.8	40.8
10-11 AM	1406	0.0	307	0.0	1499	1406	0	307	0.90	0	63.8	58.2	32.9	40.4	40.4
11A-NOON	1501	0.0	327	0.0	1499	1501	0	327	1.15	4	63.6	56.8	31.1	40.1	40.1
NOON-1PM	1661	0.0	362	0.0	1500	1661	0	362	3.92	83	63.3	44.9	30.8	39.6	39.6
1-2 PM	1911	0.0	416	0.0	1500	1911	0	416	13.87	368	62.8	25.8	30.8	38.8	38.8
2-3 PM	2101	0.0	458	0.0	1499	1738	363	821	27.73	728	62.5	16.2	30.8	38.2	33.0
3-4 PM	2290	0.0	499	0.0	1500	1634	655	1154	33.96	895	62.1	13.8	30.8	37.6	28.3
4-5 PM	2394	0.0	522	0.0	1500	1585	809	1331+	38.18	1009	61.9	12.6	30.8	37.3	25.8
5-6 PM	2286	0.0	499	0.0	1500	1430	856	1355+	38.87	1027	62.1	12.5	30.8	37.6	25.4
6-7 PM	1778	0.0	388	0.0	1500	1178	599	988	30.71	809	63.1	15.0	30.8	39.2	30.6
7-8 PM	1373	0.0	299	0.0	1499	1291	82	381	21.16	546	63.8	19.7	30.8	40.4	39.3
8-9 PM	1134	0.0	247	0.0	1499	1134	0	247	10.34	274	64.3	30.6	32.9	41.2	41.2
9-10 PM	973	0.0	212	0.0	1500	973	0	212	0.73	6	64.6	59.9	41.7	41.7	41.7
10-11 PM	707	0.0	154	0.0	1500	707	0	154	0.49	0	65.1	61.8	42.7	42.5	42.5
11PM-MID	518	0.0	113	0.0	1500	518	0	113	0.47	0	65.4	62.2	43.4	43.1	43.1

+ 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	0.0457
MAIN ROUTE WITH WORKS	0.0386
DIVERSION	0.0726

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$123,030
CONGESTED HOURS PER DAY*	6

*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
FRIDAY EASTBOUND DIRECTION

