

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

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	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	155	0.0	33	0.0	1500	155	0	33	0.44	0	66.1	63.1	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	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	248	0.0	54	0.0	1500	248	0	54	0.45	0	66.0	62.8	44.5	44.0	44.0
5-6 AM	491	0.0	107	0.0	1500	491	0	107	0.47	0	65.5	62.3	43.5	43.2	43.2
6-7 AM	1098	0.0	240	0.0	1499	1098	0	240	0.60	0	64.3	60.5	39.6	41.3	41.3
7-8 AM	1563	0.0	341	0.0	1499	1563	0	341	1.60	16	63.5	54.4	30.9	39.9	39.9
8-9 AM	1670	0.0	364	0.0	1500	1670	0	364	6.20	145	63.3	38.4	30.8	39.5	39.5
9-10 AM	1794	0.0	391	0.0	1500	1794	0	391	14.62	378	63.0	25.0	30.8	39.1	39.1
10-11 AM	1862	0.0	406	0.0	1499	1664	198	604	24.58	639	62.9	17.7	30.8	38.9	36.1
11A-NOON	1898	0.0	414	0.0	1499	1527	371	785	27.21	709	62.8	16.5	30.8	38.8	33.5
NOON-1PM	1958	0.0	427	0.0	1499	1538	420	847	28.18	736	62.7	16.0	30.8	38.6	32.7
1-2 PM	2190	0.0	478	0.0	1500	1633	557	1036	31.52	828	62.3	14.7	30.8	37.9	29.9
2-3 PM	2321	0.0	506	0.0	1500	1601	720	1226+	35.59	939	62.0	13.4	30.8	37.5	27.3
3-4 PM	2566	0.0	560	0.0	1500	1693	873	1433+	40.77	1088	60.2	11.9	30.8	36.8	24.3
4-5 PM	2778	0.0	606	0.0	1500	1680	1098	1704+	48.13	1296	58.1	10.3	30.8	36.1	21.1
5-6 PM	2634	0.0	574	0.0	1500	1465	1169	1744+	49.77	1332	59.5	10.1	30.8	36.5	20.6
6-7 PM	2828	0.0	617	0.0	1500	1500	1328	1946+	49.75	1341	57.5	10.1	30.8	35.9	20.5
7-8 PM	1835	0.0	401	0.0	1500	888	947	1348+	38.81	1040	63.0	12.5	30.8	39.0	25.5
8-9 PM	1089	0.0	238	0.0	1499	984	106	343	17.17	464	64.3	22.8	32.2	41.4	39.8
9-10 PM	849	0.0	185	0.0	1500	849	0	185	1.48	34	64.8	56.0	42.0	42.1	42.1
10-11 PM	681	0.0	149	0.0	1500	681	0	149	0.49	0	65.1	61.9	42.8	42.6	42.6
11PM-MID	472	0.0	103	0.0	1500	472	0	103	0.47	0	65.5	62.3	43.6	43.2	43.2

+ 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	0.0538
MAIN ROUTE WITH WORKS	0.0396
DIVERSION	0.1146

PIA: Personal Injury Accidents

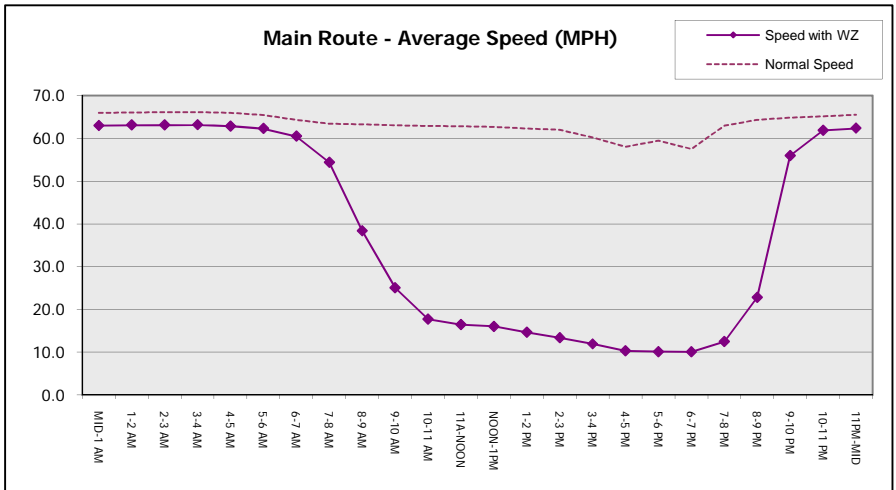
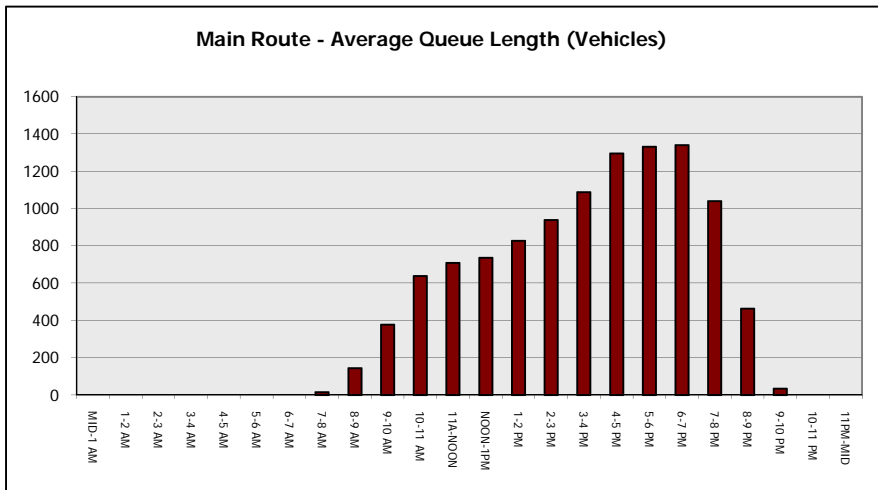
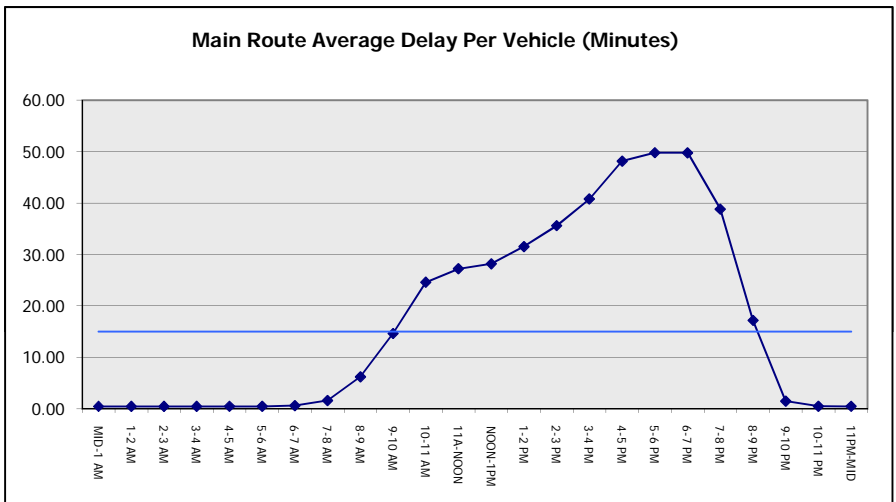
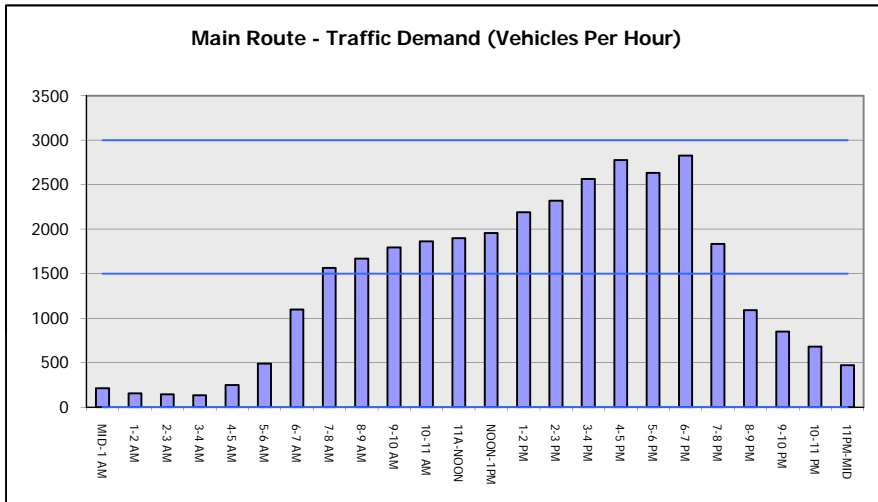
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$255,427
CONGESTED HOURS PER DAY*	11

*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

OCTOBER
 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	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	168	0.0	37	0.0	1500	168	0	37	0.44	0	66.1	63.0	44.8	44.2	44.2
1-2 AM	131	0.0	28	0.0	1500	131	0	28	0.44	0	66.1	63.2	45.0	44.3	44.3
2-3 AM	113	0.0	25	0.0	1500	113	0	25	0.43	0	66.2	63.2	45.0	44.3	44.3
3-4 AM	165	0.0	36	0.0	1500	165	0	36	0.44	0	66.1	63.0	44.8	44.2	44.2
4-5 AM	268	0.0	59	0.0	1500	268	0	59	0.45	0	65.9	62.8	44.4	43.9	43.9
5-6 AM	582	0.0	127	0.0	1500	582	0	127	0.48	0	65.3	62.1	43.2	42.9	42.9
6-7 AM	1024	0.0	224	0.0	1500	1024	0	224	0.52	0	64.5	61.1	41.6	41.5	41.5
7-8 AM	1309	0.0	286	0.0	1500	1309	0	286	0.78	0	64.0	59.1	35.3	40.6	40.6
8-9 AM	1136	0.0	248	0.0	1500	1136	0	248	0.55	0	64.3	60.7	40.6	41.2	41.2
9-10 AM	1088	0.0	238	0.0	1500	1088	0	238	0.53	0	64.3	60.9	41.4	41.4	41.4
10-11 AM	1172	0.0	255	0.0	1500	1172	0	255	0.60	0	64.2	60.4	39.4	41.0	41.0
11A-NOON	1311	0.0	286	0.0	1499	1311	0	286	0.78	0	64.0	59.1	35.2	40.6	40.6
NOON-1PM	1472	0.0	321	0.0	1499	1472	0	321	1.08	2	63.7	57.2	31.6	40.1	40.1
1-2 PM	1716	0.0	375	0.0	1500	1716	0	375	4.49	102	63.2	43.0	30.8	39.4	39.4
2-3 PM	2013	0.0	439	0.0	1500	1970	43	482	17.20	464	62.7	22.5	30.8	38.4	37.8
3-4 PM	2217	0.0	483	0.0	1499	1702	515	998	30.79	810	62.2	15.0	30.8	37.8	30.5
4-5 PM	2376	0.0	519	0.0	1499	1620	757	1276+	36.77	971	62.0	13.0	30.8	37.3	26.5
5-6 PM	2209	0.0	482	0.0	1499	1397	812	1294+	37.30	984	62.3	12.9	30.8	37.8	26.3
6-7 PM	1717	0.0	375	0.0	1499	1200	517	892	29.01	762	63.2	15.7	30.8	39.4	32.0
7-8 PM	1276	0.0	278	0.0	1499	1234	41	320	19.20	495	64.0	21.1	30.8	40.7	40.2
8-9 PM	954	0.0	208	0.0	1499	954	0	208	4.13	128	64.6	44.8	38.4	41.7	41.7
9-10 PM	641	0.0	140	0.0	1500	641	0	140	0.48	0	65.2	62.0	43.0	42.7	42.7
10-11 PM	711	0.0	155	0.0	1500	711	0	155	0.49	0	65.1	61.8	42.7	42.5	42.5
11PM-MID	574	0.0	126	0.0	1500	574	0	126	0.48	0	65.3	62.1	43.2	42.9	42.9

+ 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	0.0423
MAIN ROUTE WITH WORKS	0.0365
DIVERSION	0.0640

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$98,847
CONGESTED HOURS PER DAY*	6

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: IH 39 - USH 12 - STH 73

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

