

IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY) OFF-PEAK DAY 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	OFF	211	0	46	0.00	0	66.0	66.0	66.0	44.0	44.0
1-2 AM	155	0.0	33	0.0	OFF	155	0	33	0.00	0	66.1	66.1	66.1	44.2	44.2
2-3 AM	145	0.0	31	0.0	OFF	145	0	31	0.00	0	66.1	66.1	66.1	44.3	44.3
3-4 AM	133	0.0	29	0.0	OFF	133	0	29	0.00	0	66.1	66.1	66.1	44.3	44.3
4-5 AM	248	0.0	54	0.0	OFF	248	0	54	0.00	0	66.0	66.0	66.0	44.0	44.0
5-6 AM	491	0.0	107	0.0	OFF	491	0	107	0.00	0	65.5	65.5	65.5	43.2	43.2
6-7 AM	1098	0.0	240	0.0	OFF	1098	0	240	0.00	0	64.3	64.3	64.3	41.3	41.3
7-8 AM	1563	0.0	341	0.0	OFF	1563	0	341	0.00	0	63.5	63.5	63.5	39.9	39.9
8-9 AM	1670	0.0	364	0.0	OFF	1670	0	364	0.00	0	63.3	63.3	63.3	39.5	39.5
9-10 AM	1794	0.0	391	0.0	OFF	1794	0	391	0.00	0	63.0	63.0	63.0	39.1	39.1
10-11 AM	1862	0.0	406	0.0	1499	1862	0	406	6.85	177	62.9	36.8	30.8	38.9	38.9
11A-NOON	1898	0.0	414	0.0	1500	1821	77	492	20.65	542	62.8	20.0	30.8	38.8	37.7
NOON-1PM	1958	0.0	427	0.0	1499	1575	383	810	27.58	720	62.7	16.3	30.8	38.6	33.2
1-2 PM	2190	0.0	478	0.0	1500	1636	555	1033	31.46	827	62.3	14.7	30.8	37.9	30.0
2-3 PM	2321	0.0	506	0.0	1500	1601	720	1226+	35.58	939	62.0	13.4	30.8	37.5	27.3
3-4 PM	2566	0.0	560	0.0	OFF	2566	0	560	7.21	344	60.2	35.1	35.1	36.8	36.8
4-5 PM	2778	0.0	606	0.0	OFF	2778	0	606	0.00	0	58.1	58.1	58.1	36.1	36.1
5-6 PM	2634	0.0	574	0.0	OFF	2634	0	574	0.00	0	59.5	59.5	59.5	36.5	36.5
6-7 PM	2828	0.0	617	0.0	OFF	2828	0	617	0.00	0	57.5	57.5	57.5	35.9	35.9
7-8 PM	1835	0.0	401	0.0	OFF	1835	0	401	0.00	0	63.0	63.0	63.0	39.0	39.0
8-9 PM	1089	0.0	238	0.0	OFF	1089	0	238	0.00	0	64.3	64.3	64.3	41.4	41.4
9-10 PM	849	0.0	185	0.0	OFF	849	0	185	0.00	0	64.8	64.8	64.8	42.1	42.1
10-11 PM	681	0.0	149	0.0	OFF	681	0	149	0.00	0	65.1	65.1	65.1	42.6	42.6
11PM-MID	472	0.0	103	0.0	OFF	472	0	103	0.00	0	65.5	65.5	65.5	43.2	43.2

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0504
DIVERSION	0.0686

PIA: Personal Injury Accidents

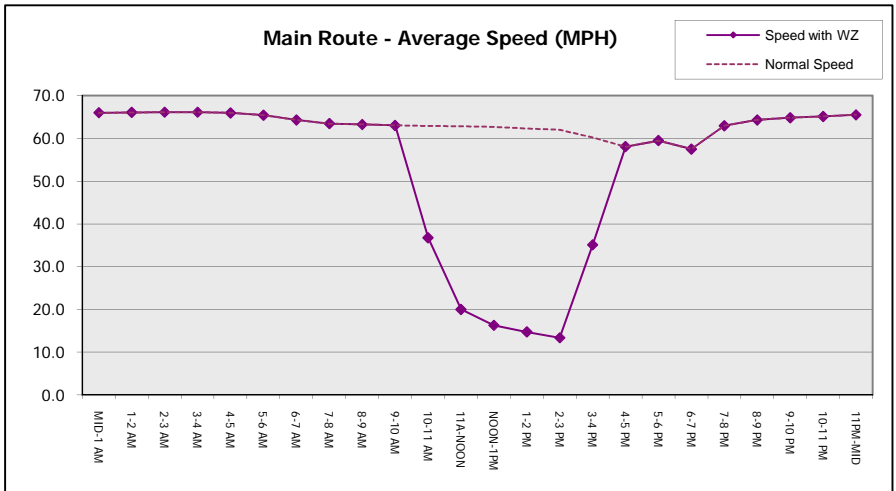
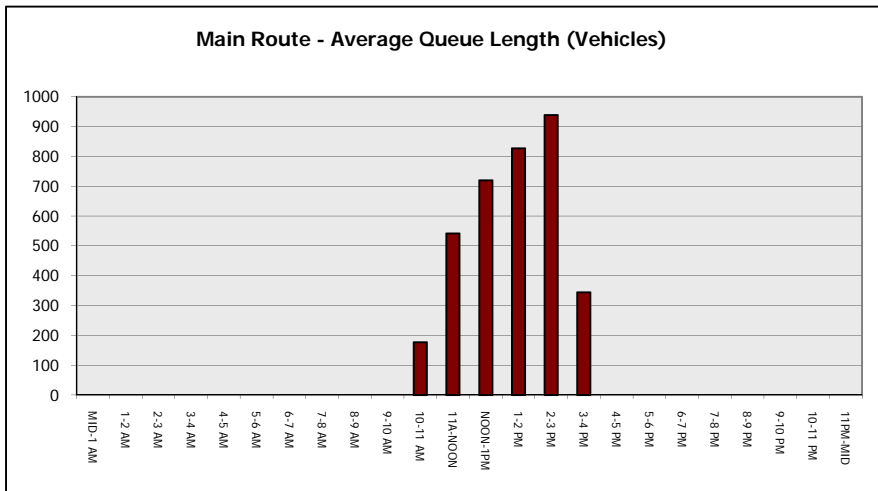
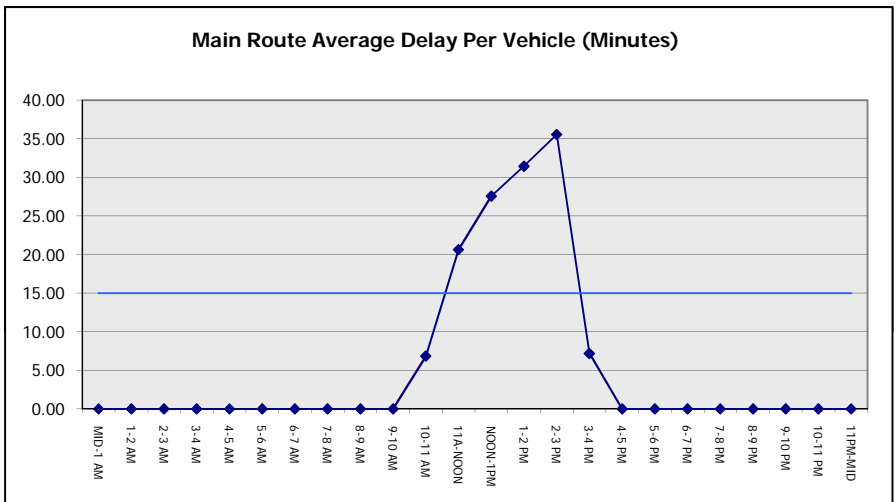
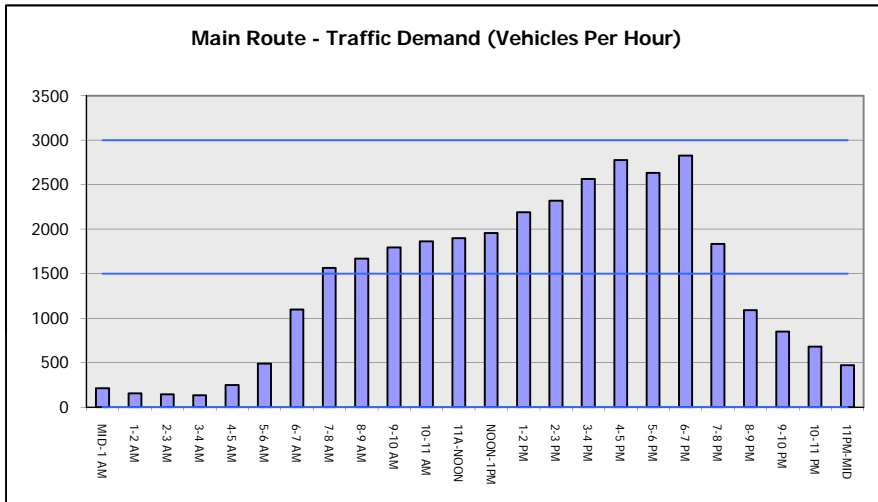
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$56,966
CONGESTED HOURS PER DAY*	4

*Delays Exceeding 15 Minutes

IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY)
OFF-PEAK DAY 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) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: IH 39 - USH 12 - STH 73	OCTOBER
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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		SITE	ALTERNATE ROUTE	
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN		WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	168	0.0	37	0.0	OFF	168	0	37	0.00	0	66.1	66.1	66.1	44.2	44.2
1-2 AM	131	0.0	28	0.0	OFF	131	0	28	0.00	0	66.1	66.1	66.1	44.3	44.3
2-3 AM	113	0.0	25	0.0	OFF	113	0	25	0.00	0	66.2	66.2	66.2	44.3	44.3
3-4 AM	165	0.0	36	0.0	OFF	165	0	36	0.00	0	66.1	66.1	66.1	44.2	44.2
4-5 AM	268	0.0	59	0.0	OFF	268	0	59	0.00	0	65.9	65.9	65.9	43.9	43.9
5-6 AM	582	0.0	127	0.0	OFF	582	0	127	0.00	0	65.3	65.3	65.3	42.9	42.9
6-7 AM	1024	0.0	224	0.0	OFF	1024	0	224	0.00	0	64.5	64.5	64.5	41.5	41.5
7-8 AM	1309	0.0	286	0.0	OFF	1309	0	286	0.00	0	64.0	64.0	64.0	40.6	40.6
8-9 AM	1136	0.0	248	0.0	OFF	1136	0	248	0.00	0	64.3	64.3	64.3	41.2	41.2
9-10 AM	1088	0.0	238	0.0	OFF	1088	0	238	0.00	0	64.3	64.3	64.3	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	OFF	2217	0	483	3.01	136	62.2	47.5	47.5	37.8	37.8
4-5 PM	2376	0.0	519	0.0	OFF	2376	0	519	0.00	0	62.0	62.0	62.0	37.3	37.3
5-6 PM	2209	0.0	482	0.0	OFF	2209	0	482	0.00	0	62.3	62.3	62.3	37.8	37.8
6-7 PM	1717	0.0	375	0.0	OFF	1717	0	375	0.00	0	63.2	63.2	63.2	39.4	39.4
7-8 PM	1276	0.0	278	0.0	OFF	1276	0	278	0.00	0	64.0	64.0	64.0	40.7	40.7
8-9 PM	954	0.0	208	0.0	OFF	954	0	208	0.00	0	64.6	64.6	64.6	41.7	41.7
9-10 PM	641	0.0	140	0.0	OFF	641	0	140	0.00	0	65.2	65.2	65.2	42.7	42.7
10-11 PM	711	0.0	155	0.0	OFF	711	0	155	0.00	0	65.1	65.1	65.1	42.5	42.5
11PM-MID	574	0.0	126	0.0	OFF	574	0	126	0.00	0	65.3	65.3	65.3	42.9	42.9

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0418
DIVERSION	0.0440

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$10,801
CONGESTED HOURS PER DAY*	1

*Delays Exceeding 15 Minutes

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OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: IH 39 - USH 12 - STH 73

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

