

IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: IH 39 - USH 12 - STH 73	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	272	0.0	60	0.0	1500	272	0	60	0.45	0	65.9	62.8	44.4	43.8	43.8
1-2 AM	178	0.0	39	0.0	1500	178	0	39	0.44	0	66.1	63.0	44.8	44.2	44.2
2-3 AM	161	0.0	36	0.0	1500	161	0	36	0.44	0	66.1	63.1	44.8	44.2	44.2
3-4 AM	158	0.0	35	0.0	1500	158	0	35	0.44	0	66.1	63.1	44.8	44.2	44.2
4-5 AM	216	0.0	47	0.0	1500	216	0	47	0.44	0	66.0	63.0	44.6	44.0	44.0
5-6 AM	452	0.0	98	0.0	1500	452	0	98	0.47	0	65.5	62.4	43.7	43.3	43.3
6-7 AM	880	0.0	191	0.0	1500	880	0	191	0.51	0	64.8	61.4	42.1	42.0	42.0
7-8 AM	1314	0.0	287	0.0	1499	1314	0	287	0.78	0	64.0	59.1	35.3	40.6	40.6
8-9 AM	1738	0.0	379	0.0	OFF	1738	0	379	0.00	0	63.2	63.2	63.2	39.3	39.3
9-10 AM	1976	0.0	431	0.0	OFF	1976	0	431	0.00	0	62.7	62.7	62.7	38.6	38.6
10-11 AM	2086	0.0	455	0.0	OFF	2086	0	455	0.00	0	62.5	62.5	62.5	38.3	38.3
11A-NOON	2025	0.0	442	0.0	OFF	2025	0	442	0.00	0	62.6	62.6	62.6	38.4	38.4
NOON-1PM	1890	0.0	412	0.0	OFF	1890	0	412	0.00	0	62.8	62.8	62.8	38.8	38.8
1-2 PM	1814	0.0	396	0.0	OFF	1814	0	396	0.00	0	63.0	63.0	63.0	39.1	39.1
2-3 PM	1650	0.0	360	0.0	OFF	1650	0	360	0.00	0	63.3	63.3	63.3	39.6	39.6
3-4 PM	1624	0.0	355	0.0	OFF	1624	0	355	0.00	0	63.3	63.3	63.3	39.7	39.7
4-5 PM	1528	0.0	334	0.0	OFF	1528	0	334	0.00	0	63.5	63.5	63.5	39.9	39.9
5-6 PM	1313	0.0	287	0.0	OFF	1313	0	287	0.00	0	64.0	64.0	64.0	40.6	40.6
6-7 PM	1119	0.0	244	0.0	1500	1119	0	244	0.53	0	64.3	60.9	41.2	41.2	41.2
7-8 PM	920	0.0	201	0.0	1500	920	0	201	0.51	0	64.6	61.3	42.0	41.9	41.9
8-9 PM	761	0.0	166	0.0	1500	761	0	166	0.50	0	65.0	61.7	42.5	42.4	42.4
9-10 PM	844	0.0	184	0.0	1500	844	0	184	0.50	0	64.8	61.5	42.2	42.1	42.1
10-11 PM	896	0.0	196	0.0	1500	896	0	196	0.51	0	64.7	61.4	42.0	41.9	41.9
11PM-MID	473	0.0	104	0.0	1500	473	0	104	0.47	0	65.5	62.3	43.6	43.2	43.2

"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	0.0422
MAIN ROUTE WITH WORKS	0.0417
DIVERSION	0.0436

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,095
CONGESTED HOURS PER DAY*	0

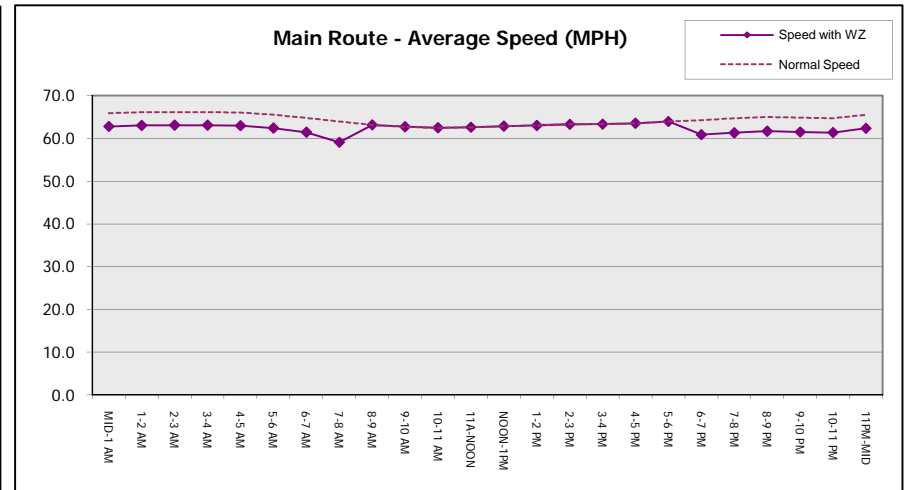
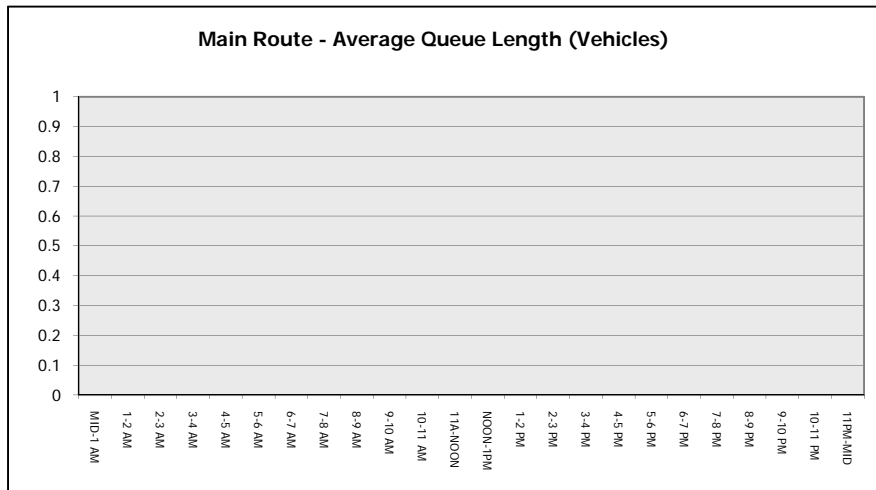
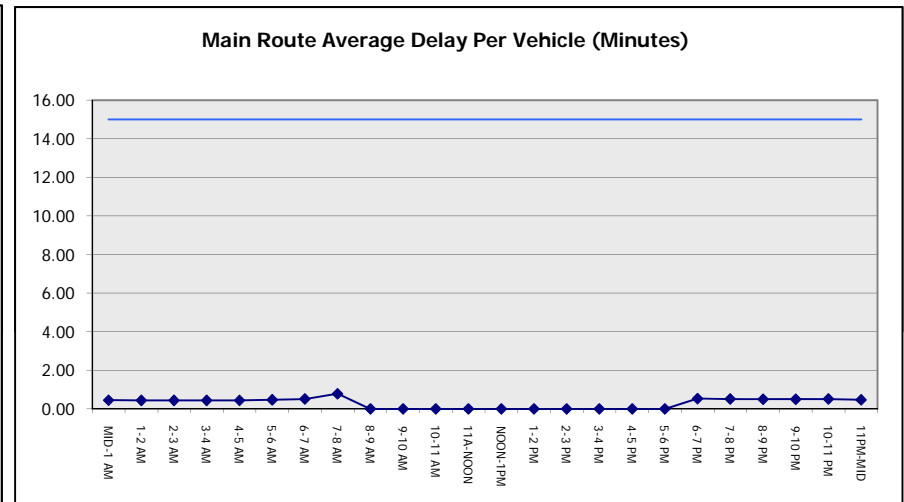
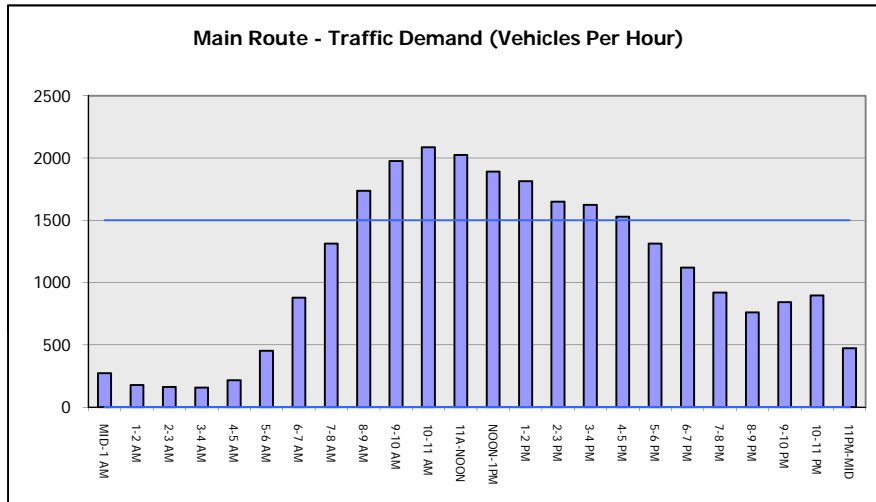
*Delays Exceeding 15 Minutes

**IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY)
NIGHTTIME CLOSURE
DIVERSION ROUTE: IH 39 - USH 12 - STH 73**

MAY
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY WESTBOUND DIRECTION



IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: IH 39 - USH 12 - STH 73	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	224	0.0	49	0.0	1500	224	0	49	0.44	0	66.0	62.9	44.6	44.0	44.0
1-2 AM	140	0.0	30	0.0	1500	140	0	30	0.44	0	66.1	63.1	44.9	44.3	44.3
2-3 AM	112	0.0	24	0.0	1500	112	0	24	0.43	0	66.2	63.2	45.0	44.3	44.3
3-4 AM	139	0.0	30	0.0	1500	139	0	30	0.44	0	66.1	63.1	44.9	44.3	44.3
4-5 AM	195	0.0	43	0.0	1500	195	0	43	0.44	0	66.0	63.0	44.7	44.1	44.1
5-6 AM	271	0.0	60	0.0	1500	271	0	60	0.45	0	65.9	62.8	44.4	43.8	43.8
6-7 AM	407	0.0	89	0.0	1500	407	0	89	0.46	0	65.6	62.5	43.8	43.5	43.5
7-8 AM	653	0.0	142	0.0	1500	653	0	142	0.49	0	65.1	61.9	42.9	42.7	42.7
8-9 AM	980	0.0	213	0.0	OFF	980	0	213	0.00	0	64.6	64.6	64.6	41.7	41.7
9-10 AM	1179	0.0	257	0.0	OFF	1179	0	257	0.00	0	64.2	64.2	64.2	41.0	41.0
10-11 AM	1489	0.0	324	0.0	OFF	1489	0	324	0.00	0	63.6	63.6	63.6	40.1	40.1
11A-NOON	1692	0.0	369	0.0	OFF	1692	0	369	0.00	0	63.2	63.2	63.2	39.4	39.4
NOON-1PM	1865	0.0	407	0.0	OFF	1865	0	407	0.00	0	62.9	62.9	62.9	38.9	38.9
1-2 PM	2036	0.0	445	0.0	OFF	2036	0	445	0.00	0	62.6	62.6	62.6	38.4	38.4
2-3 PM	2106	0.0	459	0.0	OFF	2106	0	459	0.00	0	62.5	62.5	62.5	38.2	38.2
3-4 PM	2134	0.0	466	0.0	OFF	2134	0	466	0.00	0	62.4	62.4	62.4	38.1	38.1
4-5 PM	1978	0.0	431	0.0	OFF	1978	0	431	0.00	0	62.7	62.7	62.7	38.6	38.6
5-6 PM	1584	0.0	345	0.0	OFF	1584	0	345	0.00	0	63.4	63.4	63.4	39.8	39.8
6-7 PM	1264	0.0	276	0.0	1500	1264	0	276	0.72	0	64.0	59.5	36.5	40.8	40.8
7-8 PM	1133	0.0	247	0.0	1500	1133	0	247	0.55	0	64.3	60.7	40.7	41.2	41.2
8-9 PM	1041	0.0	227	0.0	1500	1041	0	227	0.52	0	64.5	61.0	41.5	41.5	41.5
9-10 PM	855	0.0	186	0.0	1500	855	0	186	0.51	0	64.8	61.5	42.2	42.0	42.0
10-11 PM	674	0.0	148	0.0	1500	674	0	148	0.49	0	65.1	61.9	42.8	42.6	42.6
11PM-MID	405	0.0	88	0.0	1500	405	0	88	0.46	0	65.6	62.5	43.8	43.5	43.5

"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	0.0395
MAIN ROUTE WITH WORKS	0.0390
DIVERSION	0.0407

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$942
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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NIGHTTIME CLOSURE
DIVERSION ROUTE: IH 39 - USH 12 - STH 73

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

