

IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY)
OFF-PEAK DAY 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	OFF	272	0	60	0.00	0	65.9	65.9	65.9	43.8	43.8
1-2 AM	178	0.0	39	0.0	OFF	178	0	39	0.00	0	66.1	66.1	66.1	44.2	44.2
2-3 AM	161	0.0	36	0.0	OFF	161	0	36	0.00	0	66.1	66.1	66.1	44.2	44.2
3-4 AM	158	0.0	35	0.0	OFF	158	0	35	0.00	0	66.1	66.1	66.1	44.2	44.2
4-5 AM	216	0.0	47	0.0	OFF	216	0	47	0.00	0	66.0	66.0	66.0	44.0	44.0
5-6 AM	452	0.0	98	0.0	OFF	452	0	98	0.00	0	65.5	65.5	65.5	43.3	43.3
6-7 AM	880	0.0	191	0.0	OFF	880	0	191	0.00	0	64.8	64.8	64.8	42.0	42.0
7-8 AM	1314	0.0	287	0.0	OFF	1314	0	287	0.00	0	64.0	64.0	64.0	40.6	40.6
8-9 AM	1738	0.0	379	0.0	1499	1738	0	379	4.27	98	63.2	43.7	30.8	39.3	39.3
9-10 AM	1976	0.0	431	0.0	1500	1940	36	467	17.23	461	62.7	22.5	30.8	38.6	38.1
10-11 AM	2086	0.0	455	0.0	1499	1637	449	904	29.12	763	62.5	15.6	30.8	38.3	31.9
11A-NOON	2025	0.0	442	0.0	1499	1473	552	993	30.75	805	62.6	15.0	30.8	38.4	30.6
NOON-1PM	1890	0.0	412	0.0	1499	1426	463	876	28.68	749	62.8	15.8	30.8	38.8	32.2
1-2 PM	1814	0.0	396	0.0	1500	1458	357	752	26.72	695	63.0	16.6	30.8	39.1	34.0
2-3 PM	1650	0.0	360	0.0	1499	1429	221	581	24.34	630	63.3	17.9	30.8	39.6	36.5
3-4 PM	1624	0.0	355	0.0	1500	1489	135	489	23.17	598	63.3	18.5	30.8	39.7	37.8
4-5 PM	1528	0.0	334	0.0	1499	1457	70	404	22.18	571	63.5	19.1	30.8	39.9	38.9
5-6 PM	1313	0.0	287	0.0	1499	1313	0	287	18.26	467	64.0	21.9	30.8	40.6	40.6
6-7 PM	1119	0.0	244	0.0	OFF	1119	0	244	0.44	22	64.3	61.4	61.4	41.2	41.2
7-8 PM	920	0.0	201	0.0	OFF	920	0	201	0.00	0	64.6	64.6	64.6	41.9	41.9
8-9 PM	761	0.0	166	0.0	OFF	761	0	166	0.00	0	65.0	65.0	65.0	42.4	42.4
9-10 PM	844	0.0	184	0.0	OFF	844	0	184	0.00	0	64.8	64.8	64.8	42.1	42.1
10-11 PM	896	0.0	196	0.0	OFF	896	0	196	0.00	0	64.7	64.7	64.7	41.9	41.9
11PM-MID	473	0.0	104	0.0	OFF	473	0	104	0.00	0	65.5	65.5	65.5	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	0.0376
DIVERSION	0.0609

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$121,887
CONGESTED HOURS PER DAY*	9

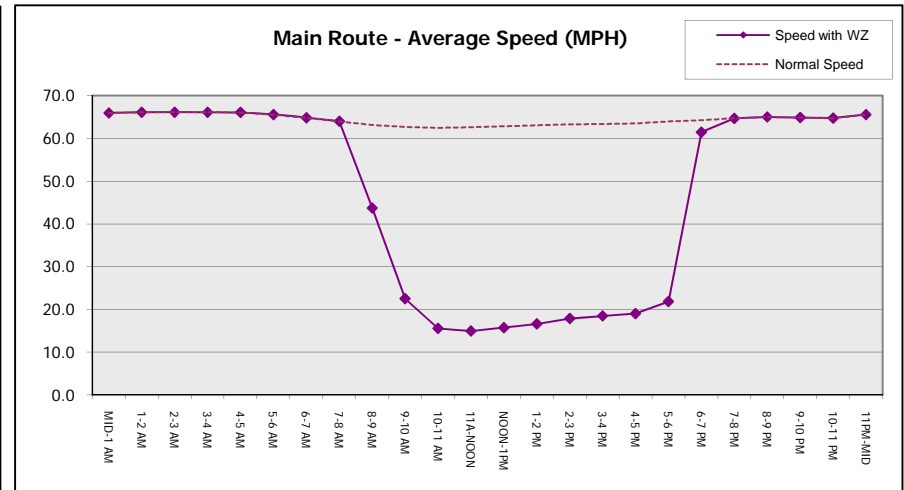
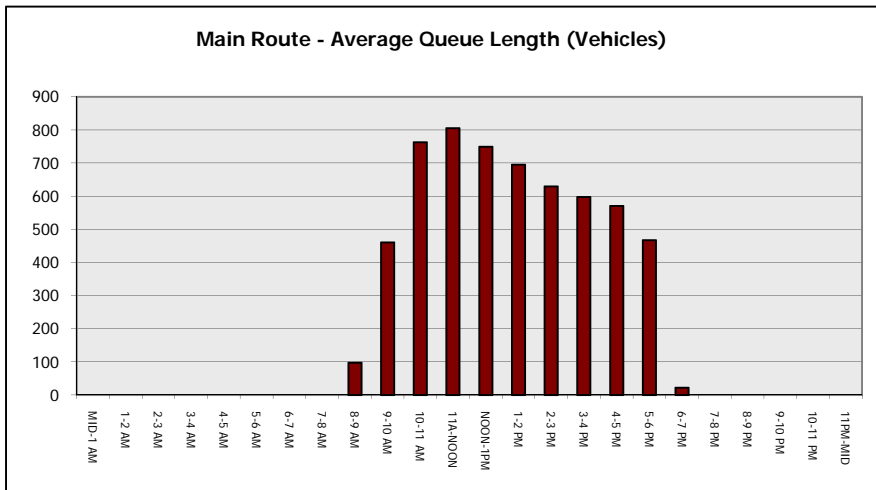
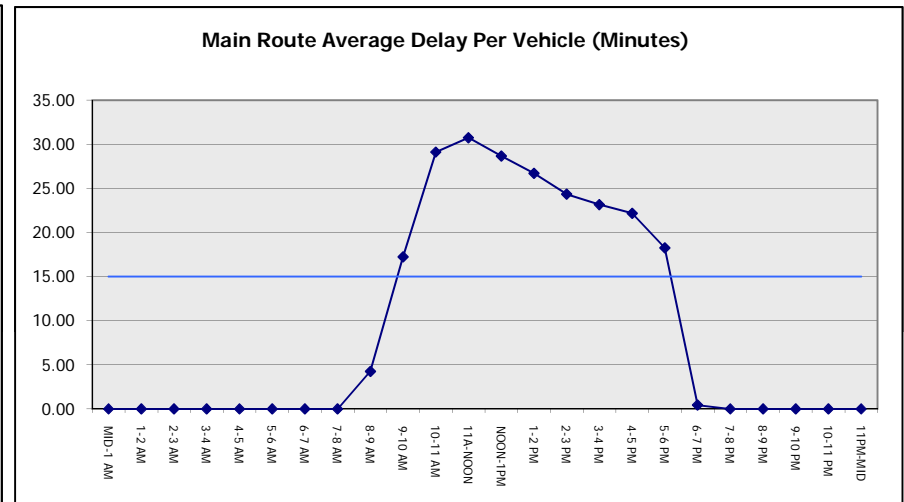
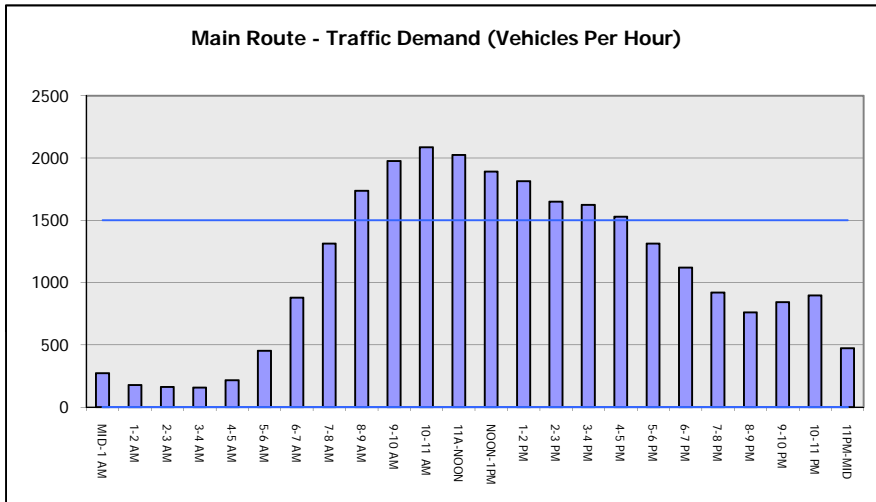
*Delays Exceeding 15 Minutes

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

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY 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	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	OFF	224	0	49	0.00	0	66.0	66.0	66.0	44.0	44.0
1-2 AM	140	0.0	30	0.0	OFF	140	0	30	0.00	0	66.1	66.1	66.1	44.3	44.3
2-3 AM	112	0.0	24	0.0	OFF	112	0	24	0.00	0	66.2	66.2	66.2	44.3	44.3
3-4 AM	139	0.0	30	0.0	OFF	139	0	30	0.00	0	66.1	66.1	66.1	44.3	44.3
4-5 AM	195	0.0	43	0.0	OFF	195	0	43	0.00	0	66.0	66.0	66.0	44.1	44.1
5-6 AM	271	0.0	60	0.0	OFF	271	0	60	0.00	0	65.9	65.9	65.9	43.8	43.8
6-7 AM	407	0.0	89	0.0	OFF	407	0	89	0.00	0	65.6	65.6	65.6	43.5	43.5
7-8 AM	653	0.0	142	0.0	OFF	653	0	142	0.00	0	65.1	65.1	65.1	42.7	42.7
8-9 AM	980	0.0	213	0.0	1500	980	0	213	0.52	0	64.6	61.2	41.7	41.7	41.7
9-10 AM	1179	0.0	257	0.0	1499	1179	0	257	0.61	0	64.2	60.3	39.2	41.0	41.0
10-11 AM	1489	0.0	324	0.0	1499	1489	0	324	1.21	6	63.6	56.4	31.6	40.1	40.1
11A-NOON	1692	0.0	369	0.0	1500	1692	0	369	4.86	110	63.2	41.9	30.8	39.4	39.4
NOON-1PM	1865	0.0	407	0.0	1500	1865	0	407	14.85	390	62.9	24.7	30.8	38.9	38.9
1-2 PM	2036	0.0	445	0.0	1499	1704	332	777	27.04	708	62.6	16.5	30.8	38.4	33.7
2-3 PM	2106	0.0	459	0.0	1500	1553	553	1013	31.10	816	62.5	14.8	30.8	38.2	30.3
3-4 PM	2134	0.0	466	0.0	1500	1515	618	1084	32.50	854	62.4	14.3	30.8	38.1	29.2
4-5 PM	1978	0.0	431	0.0	1500	1401	577	1008	31.04	814	62.7	14.9	30.8	38.6	30.4
5-6 PM	1584	0.0	345	0.0	1500	1305	279	624	24.94	649	63.4	17.6	30.8	39.8	35.8
6-7 PM	1264	0.0	276	0.0	OFF	1264	0	276	1.02	57	64.0	57.8	57.8	40.8	40.8
7-8 PM	1133	0.0	247	0.0	OFF	1133	0	247	0.00	0	64.3	64.3	64.3	41.2	41.2
8-9 PM	1041	0.0	227	0.0	OFF	1041	0	227	0.00	0	64.5	64.5	64.5	41.5	41.5
9-10 PM	855	0.0	186	0.0	OFF	855	0	186	0.00	0	64.8	64.8	64.8	42.0	42.0
10-11 PM	674	0.0	148	0.0	OFF	674	0	148	0.00	0	65.1	65.1	65.1	42.6	42.6
11PM-MID	405	0.0	88	0.0	OFF	405	0	88	0.00	0	65.6	65.6	65.6	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	0.0347
DIVERSION	0.0586

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$100,049
CONGESTED HOURS PER DAY*	5

*Delays Exceeding 15 Minutes

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

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

