

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

SUNDAY 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	239	0.0	52	0.0	OFF	239	0	52	0.00	0	66.0	66.0	66.0	44.0	44.0
1-2 AM	134	0.0	29	0.0	OFF	134	0	29	0.00	0	66.1	66.1	66.1	44.3	44.3
2-3 AM	100	0.0	22	0.0	OFF	100	0	22	0.00	0	66.2	66.2	66.2	44.4	44.4
3-4 AM	92	0.0	20	0.0	OFF	92	0	20	0.00	0	66.2	66.2	66.2	44.4	44.4
4-5 AM	104	0.0	23	0.0	OFF	104	0	23	0.00	0	66.2	66.2	66.2	44.4	44.4
5-6 AM	225	0.0	49	0.0	OFF	225	0	49	0.00	0	66.0	66.0	66.0	44.0	44.0
6-7 AM	367	0.0	80	0.0	OFF	367	0	80	0.00	0	65.7	65.7	65.7	43.6	43.6
7-8 AM	663	0.0	144	0.0	OFF	663	0	144	0.00	0	65.1	65.1	65.1	42.7	42.7
8-9 AM	1013	0.0	221	0.0	OFF	1013	0	221	0.00	0	64.5	64.5	64.5	41.5	41.5
9-10 AM	1469	0.0	320	0.0	1499	1469	0	320	1.25	8	63.7	56.3	32.3	40.2	40.2
10-11 AM	1834	0.0	400	0.0	1500	1834	0	400	7.24	185	63.0	36.0	30.8	39.0	39.0
11A-NOON	2025	0.0	442	0.0	1500	1875	150	591	22.47	595	62.6	18.8	30.8	38.4	36.3
NOON-1PM	1890	0.0	412	0.0	1499	1466	424	836	28.03	731	62.8	16.1	30.8	38.8	32.8
1-2 PM	1803	0.0	393	0.0	1500	1458	345	738	26.51	690	63.0	16.8	30.8	39.1	34.2
2-3 PM	1712	0.0	374	0.0	1500	1461	251	625	24.91	646	63.2	17.6	30.8	39.4	35.8
3-4 PM	1702	0.0	371	0.0	1500	1506	196	568	24.15	625	63.2	17.9	30.8	39.4	36.6
4-5 PM	1964	0.0	428	0.0	1500	1622	342	770	26.96	703	62.7	16.5	30.8	38.6	33.7
5-6 PM	2034	0.0	444	0.0	1500	1516	518	961	30.15	789	62.6	15.2	30.8	38.4	31.0
6-7 PM	1391	0.0	303	0.0	1500	1195	196	499	23.09	602	63.8	18.6	30.8	40.4	37.6
7-8 PM	1170	0.0	255	0.0	OFF	1170	0	255	0.71	38	64.2	59.7	59.7	41.0	41.0
8-9 PM	917	0.0	200	0.0	OFF	917	0	200	0.00	0	64.7	64.7	64.7	41.9	41.9
9-10 PM	612	0.0	134	0.0	OFF	612	0	134	0.00	0	65.3	65.3	65.3	42.8	42.8
10-11 PM	389	0.0	85	0.0	OFF	389	0	85	0.00	0	65.6	65.6	65.6	43.5	43.5
11PM-MID	261	0.0	57	0.0	OFF	261	0	57	0.00	0	65.9	65.9	65.9	43.9	43.9

"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	0.0387
MAIN ROUTE WITH WORKS	0.0338
DIVERSION	0.0583

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$122,559
CONGESTED HOURS PER DAY*	8

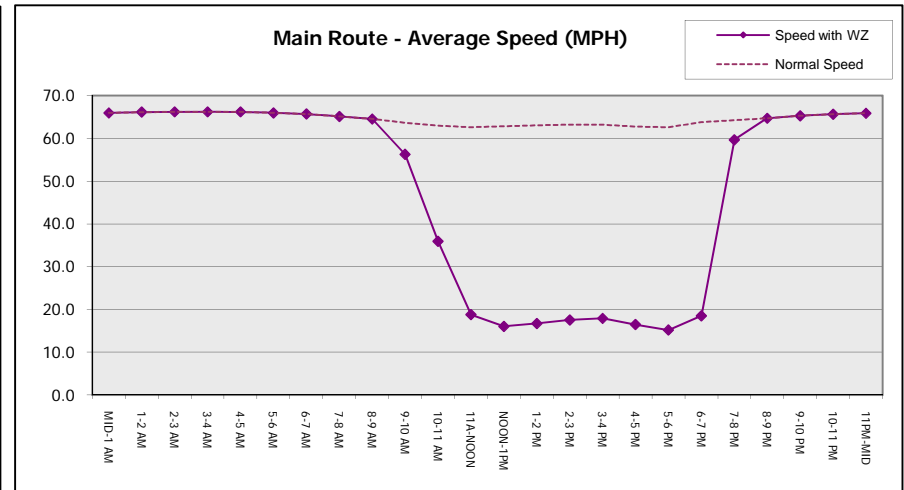
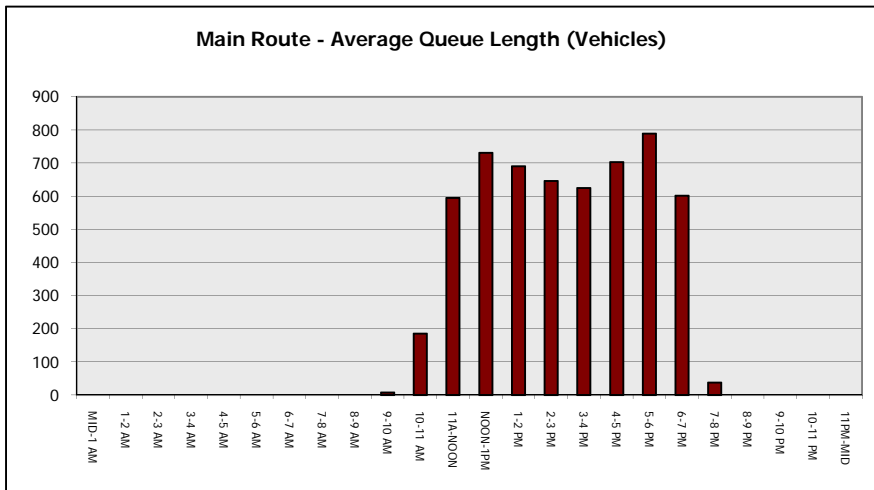
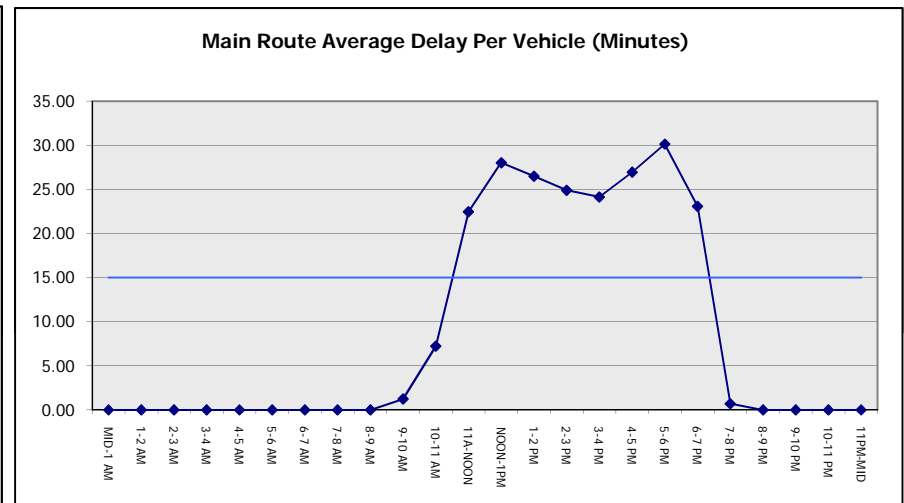
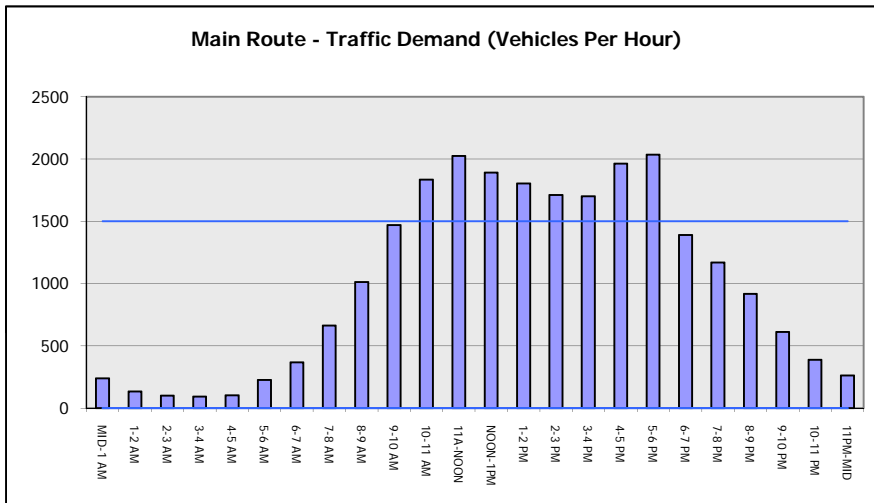
*Delays Exceeding 15 Minutes

IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY)
OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: IH 39 - USH 12 - STH 73

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY 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
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SUMMARY OF TRAFFIC MODEL OUTPUT	
SUNDAY	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	232	0.0	50	0.0	OFF	232	0	50	0.00	0	66.0	66.0	66.0	44.0	44.0
1-2 AM	143	0.0	31	0.0	OFF	143	0	31	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	85	0.0	19	0.0	OFF	85	0	19	0.00	0	66.2	66.2	66.2	44.5	44.5
4-5 AM	108	0.0	23	0.0	OFF	108	0	23	0.00	0	66.2	66.2	66.2	44.4	44.4
5-6 AM	156	0.0	33	0.0	OFF	156	0	33	0.00	0	66.1	66.1	66.1	44.2	44.2
6-7 AM	252	0.0	55	0.0	OFF	252	0	55	0.00	0	65.9	65.9	65.9	43.9	43.9
7-8 AM	443	0.0	96	0.0	OFF	443	0	96	0.00	0	65.6	65.6	65.6	43.3	43.3
8-9 AM	760	0.0	165	0.0	OFF	760	0	165	0.00	0	65.0	65.0	65.0	42.4	42.4
9-10 AM	1302	0.0	284	0.0	1499	1302	0	284	0.76	0	64.0	59.2	35.9	40.7	40.7
10-11 AM	1894	0.0	413	0.0	1499	1894	0	413	6.20	164	62.8	38.3	30.8	38.8	38.8
11A-NOON	2330	0.0	509	0.0	1500	2021	309	817	26.20	705	62.0	16.8	30.8	37.4	33.0
NOON-1PM	2193	0.0	478	0.0	1500	1489	705	1183	34.62	911	62.3	13.7	30.8	37.9	27.9
1-2 PM	2251	0.0	491	0.0	1500	1540	711	1202+	35.04	923	62.2	13.5	30.8	37.7	27.6
2-3 PM	2304	0.0	502	0.0	1500	1539	765	1267+	36.59	965	62.1	13.0	30.8	37.6	26.6
3-4 PM	2280	0.0	497	0.0	1500	1497	783	1280+	36.90	973	62.2	13.0	30.8	37.6	26.5
4-5 PM	2488	0.0	543	0.0	1500	1636	852	1395+	39.81	1057	61.0	12.2	30.8	36.9	24.8
5-6 PM	2305	0.0	503	0.0	1500	1394	912	1415+	40.55	1073	62.1	12.0	30.8	37.6	24.5
6-7 PM	1992	0.0	434	0.0	1500	1279	713	1148	33.89	893	62.7	13.9	30.8	38.5	28.4
7-8 PM	1837	0.0	401	0.0	OFF	1837	0	401	2.70	143	63.0	49.2	49.2	39.0	39.0
8-9 PM	1333	0.0	291	0.0	OFF	1333	0	291	0.00	0	63.9	63.9	63.9	40.6	40.6
9-10 PM	870	0.0	189	0.0	OFF	870	0	189	0.00	0	64.8	64.8	64.8	42.0	42.0
10-11 PM	586	0.0	128	0.0	OFF	586	0	128	0.00	0	65.3	65.3	65.3	42.9	42.9
11PM-MID	358	0.0	78	0.0	OFF	358	0	78	0.00	0	65.7	65.7	65.7	43.6	43.6

"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	0.0460
MAIN ROUTE WITH WORKS	0.0357
DIVERSION	0.0910

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$206,780
CONGESTED HOURS PER DAY*	8

*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

MAY
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

