

IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: IH 39 - USH 12 - STH 73	MAY
	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	219	0.0	48	0.0	1500	219	0	48	0.44	0	66.0	62.9	44.6	44.0	44.0
1-2 AM	156	0.0	35	0.0	1500	156	0	35	0.44	0	66.1	63.1	44.8	44.2	44.2
2-3 AM	144	0.0	31	0.0	1500	144	0	31	0.44	0	66.1	63.1	44.9	44.3	44.3
3-4 AM	162	0.0	36	0.0	1500	162	0	36	0.44	0	66.1	63.1	44.8	44.2	44.2
4-5 AM	258	0.0	57	0.0	1500	258	0	57	0.45	0	65.9	62.8	44.5	43.9	43.9
5-6 AM	641	0.0	140	0.0	1500	641	0	140	0.48	0	65.2	62.0	43.0	42.7	42.7
6-7 AM	1201	0.0	262	0.0	1499	1201	0	262	0.66	0	64.1	60.0	38.2	41.0	41.0
7-8 AM	1600	0.0	349	0.0	1499	1600	0	349	2.29	36	63.4	51.1	30.8	39.7	39.7
8-9 AM	1627	0.0	355	0.0	1499	1627	0	355	6.78	158	63.3	37.1	30.8	39.7	39.7
9-10 AM	1765	0.0	385	0.0	1500	1765	0	385	13.92	357	63.1	25.8	30.8	39.2	39.2
10-11 AM	1696	0.0	370	0.0	1499	1627	69	439	22.06	570	63.2	19.1	30.8	39.4	38.4
11A-NOON	1855	0.0	405	0.0	1500	1581	275	680	25.64	667	62.9	17.2	30.8	38.9	35.0
NOON-1PM	1883	0.0	411	0.0	1499	1519	364	776	27.06	705	62.8	16.5	30.8	38.9	33.7
1-2 PM	2058	0.0	449	0.0	1500	1596	462	911	29.25	766	62.5	15.5	30.8	38.3	31.7
2-3 PM	2254	0.0	492	0.0	1499	1624	630	1121	33.25	875	62.2	14.1	30.8	37.7	28.8
3-4 PM	2456	0.0	536	0.0	1499	1657	799	1335+	38.19	1013	61.4	12.6	30.8	37.1	25.7
4-5 PM	2748	0.0	600	0.0	1499	1755	993	1592+	45.70	1230	58.4	10.8	30.8	36.1	22.0
5-6 PM	2715	0.0	592	0.0	1499	1490	1225	1818+	49.86	1338	58.7	10.1	30.8	36.3	20.6
6-7 PM	2158	0.0	471	0.0	1499	1107	1051	1522+	43.93	1169	62.3	11.3	30.8	38.0	23.0
7-8 PM	1367	0.0	298	0.0	1499	1009	358	656	25.19	668	63.8	17.5	30.8	40.5	35.3
8-9 PM	982	0.0	215	0.0	1499	982	0	215	7.13	219	64.6	36.7	36.6	41.7	41.7
9-10 PM	797	0.0	174	0.0	1500	797	0	174	0.50	0	64.9	61.6	42.4	42.2	42.2
10-11 PM	807	0.0	176	0.0	1500	807	0	176	0.50	0	64.9	61.6	42.4	42.2	42.2
11PM-MID	479	0.0	105	0.0	1500	479	0	105	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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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	0.0515
MAIN ROUTE WITH WORKS	0.0398
DIVERSION	0.1003

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$213,121
CONGESTED HOURS PER DAY*	10

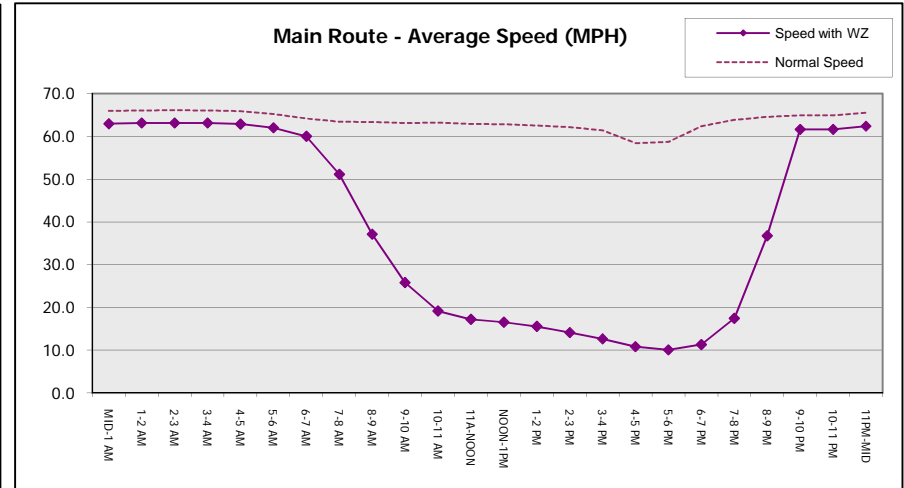
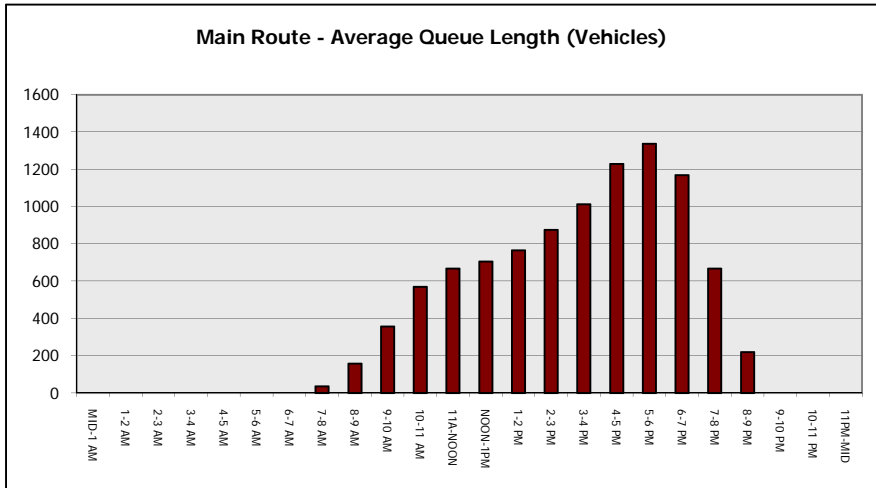
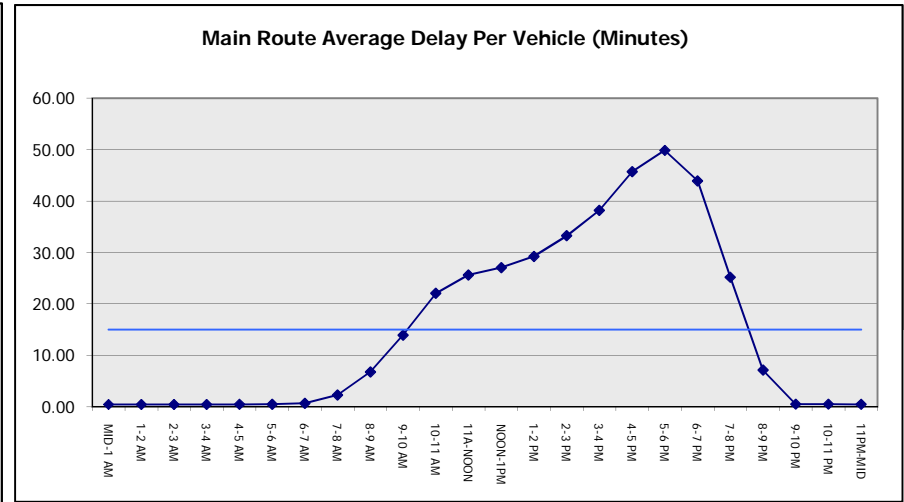
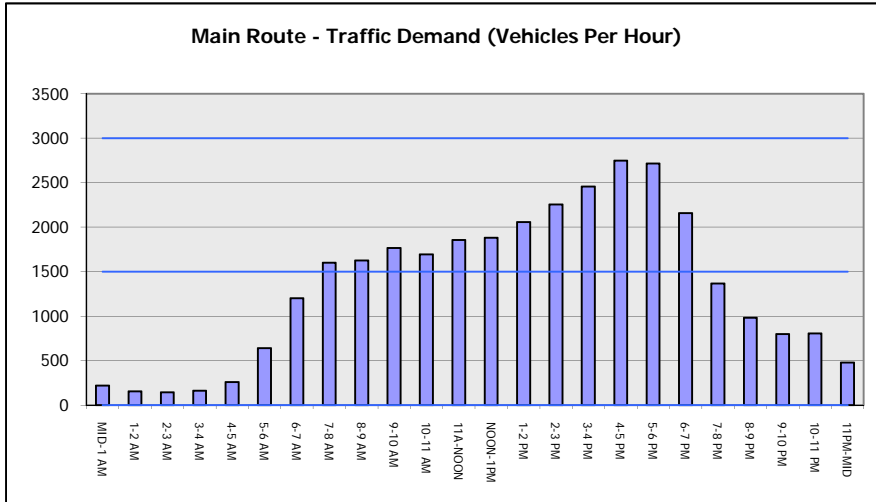
*Delays Exceeding 15 Minutes

**IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY)
 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: IH 39 - USH 12 - STH 73**

MAY
 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	MAY
	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							
	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	167	0.0	37	0.0	1500	167	0	37	0.44	0	66.1	63.0	44.8	44.2	44.2
1-2 AM	151	0.0	32	0.0	1500	151	0	32	0.44	0	66.1	63.1	44.9	44.3	44.3
2-3 AM	140	0.0	30	0.0	1500	140	0	30	0.44	0	66.1	63.1	44.9	44.3	44.3
3-4 AM	177	0.0	39	0.0	1500	177	0	39	0.44	0	66.1	63.0	44.8	44.2	44.2
4-5 AM	348	0.0	76	0.0	1500	348	0	76	0.46	0	65.8	62.7	44.1	43.6	43.6
5-6 AM	693	0.0	151	0.0	1500	693	0	151	0.49	0	65.1	61.9	42.8	42.5	42.5
6-7 AM	1074	0.0	234	0.0	1500	1074	0	234	0.53	0	64.4	61.0	41.4	41.4	41.4
7-8 AM	1286	0.0	280	0.0	1500	1286	0	280	0.75	0	64.0	59.3	35.9	40.7	40.7
8-9 AM	1134	0.0	248	0.0	1500	1134	0	248	0.55	0	64.3	60.7	40.7	41.2	41.2
9-10 AM	1119	0.0	244	0.0	1500	1119	0	244	0.53	0	64.3	60.9	41.2	41.2	41.2
10-11 AM	1146	0.0	250	0.0	1500	1146	0	250	0.57	0	64.3	60.6	40.2	41.2	41.2
11A-NOON	1278	0.0	278	0.0	1499	1278	0	278	0.74	0	64.0	59.4	36.1	40.7	40.7
NOON-1PM	1534	0.0	335	0.0	1499	1534	0	335	1.38	10	63.5	55.5	30.9	39.9	39.9
1-2 PM	1679	0.0	366	0.0	1500	1679	0	366	5.27	120	63.3	40.8	30.8	39.5	39.5
2-3 PM	1882	0.0	410	0.0	1500	1882	0	410	15.14	399	62.9	24.5	30.8	38.9	38.9
3-4 PM	2113	0.0	460	0.0	1499	1730	382	843	28.07	737	62.5	16.0	30.8	38.1	32.7
4-5 PM	2304	0.0	502	0.0	1500	1626	678	1181	34.53	910	62.1	13.7	30.8	37.6	27.9
5-6 PM	2094	0.0	456	0.0	1500	1369	725	1181	34.61	911	62.5	13.7	30.8	38.2	27.9
6-7 PM	1495	0.0	326	0.0	1500	1191	305	631	25.00	654	63.6	17.5	30.8	40.1	35.7
7-8 PM	1177	0.0	256	0.0	1499	1177	0	256	14.35	372	64.2	25.5	31.2	41.0	41.0
8-9 PM	1041	0.0	227	0.0	1500	1041	0	227	1.96	46	64.5	53.3	39.6	41.5	41.5
9-10 PM	839	0.0	183	0.0	1500	839	0	183	0.50	0	64.8	61.5	42.2	42.1	42.1
10-11 PM	649	0.0	141	0.0	1500	649	0	141	0.49	0	65.2	61.9	43.0	42.7	42.7
11PM-MID	397	0.0	87	0.0	1500	397	0	87	0.46	0	65.6	62.5	43.9	43.5	43.5

----- 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	0.0416
MAIN ROUTE WITH WORKS	0.0367
DIVERSION	0.0588

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$83,024
CONGESTED HOURS PER DAY*	5

*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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY EASTBOUND DIRECTION

