

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

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	288	0.0	63	0.0	OFF	288	0	63	0.00	0	65.8	65.8	65.8	43.8	43.8
1-2 AM	146	0.0	32	0.0	OFF	146	0	32	0.00	0	66.1	66.1	66.1	44.3	44.3
2-3 AM	105	0.0	23	0.0	OFF	105	0	23	0.00	0	66.2	66.2	66.2	44.4	44.4
3-4 AM	83	0.0	18	0.0	OFF	83	0	18	0.00	0	66.3	66.3	66.3	44.5	44.5
4-5 AM	109	0.0	24	0.0	OFF	109	0	24	0.00	0	66.2	66.2	66.2	44.3	44.3
5-6 AM	152	0.0	33	0.0	OFF	152	0	33	0.00	0	66.1	66.1	66.1	44.2	44.2
6-7 AM	260	0.0	57	0.0	OFF	260	0	57	0.00	0	65.9	65.9	65.9	43.9	43.9
7-8 AM	424	0.0	92	0.0	OFF	424	0	92	0.00	0	65.6	65.6	65.6	43.4	43.4
8-9 AM	726	0.0	158	0.0	OFF	726	0	158	0.00	0	65.0	65.0	65.0	42.5	42.5
9-10 AM	1149	0.0	251	0.0	1499	1149	0	251	0.61	0	64.3	60.3	39.2	41.1	41.1
10-11 AM	1570	0.0	342	0.0	1499	1570	0	342	1.65	18	63.5	54.1	30.9	39.9	39.9
11A-NOON	1786	0.0	389	0.0	1500	1786	0	389	8.33	210	63.0	33.8	30.8	39.2	39.2
NOON-1PM	1809	0.0	394	0.0	1499	1780	30	424	19.62	511	63.0	20.7	30.8	39.1	38.7
1-2 PM	1824	0.0	398	0.0	1499	1539	285	683	25.69	667	63.0	17.1	30.8	39.1	35.0
2-3 PM	1771	0.0	386	0.0	1499	1477	294	680	25.67	666	63.1	17.1	30.8	39.2	35.0
3-4 PM	1732	0.0	378	0.0	1499	1487	245	622	24.87	645	63.2	17.6	30.8	39.3	35.8
4-5 PM	1826	0.0	399	0.0	1500	1537	289	688	25.76	669	63.0	17.1	30.8	39.1	34.9
5-6 PM	1674	0.0	365	0.0	1499	1423	251	617	24.81	643	63.3	17.6	30.8	39.5	36.0
6-7 PM	1378	0.0	300	0.0	1499	1341	38	338	20.53	527	63.8	20.2	30.8	40.4	39.9
7-8 PM	1163	0.0	253	0.0	OFF	1163	0	253	0.64	34	64.2	60.1	60.1	41.1	41.1
8-9 PM	899	0.0	196	0.0	OFF	899	0	196	0.00	0	64.7	64.7	64.7	41.9	41.9
9-10 PM	624	0.0	136	0.0	OFF	624	0	136	0.00	0	65.2	65.2	65.2	42.8	42.8
10-11 PM	430	0.0	94	0.0	OFF	430	0	94	0.00	0	65.6	65.6	65.6	43.3	43.3
11PM-MID	268	0.0	59	0.0	OFF	268	0	59	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	0.0357
MAIN ROUTE WITH WORKS	0.0324
DIVERSION	0.0476

PIA: Personal Injury Accidents

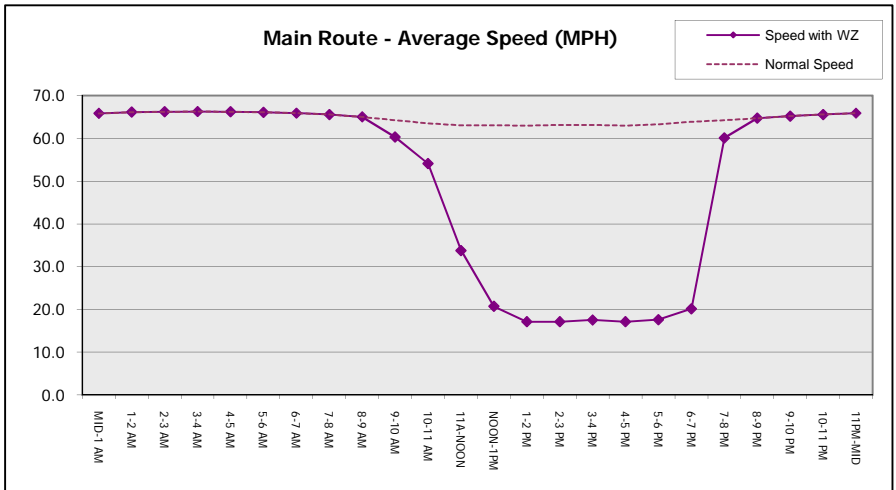
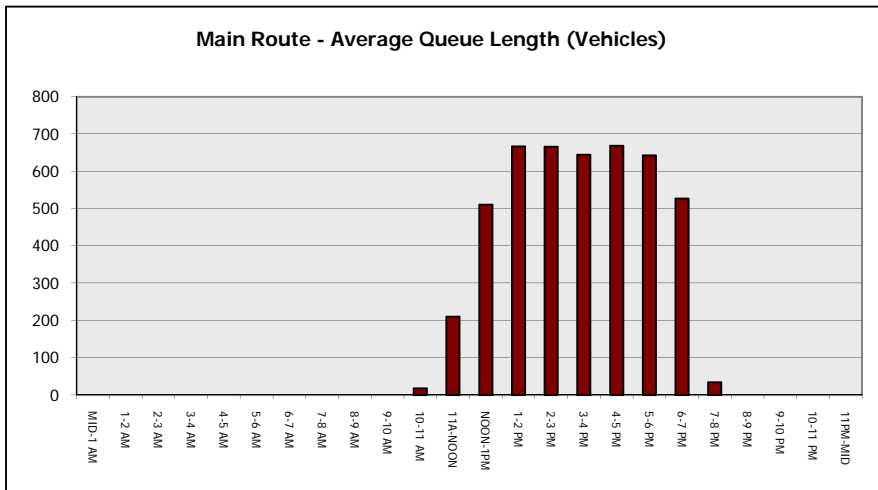
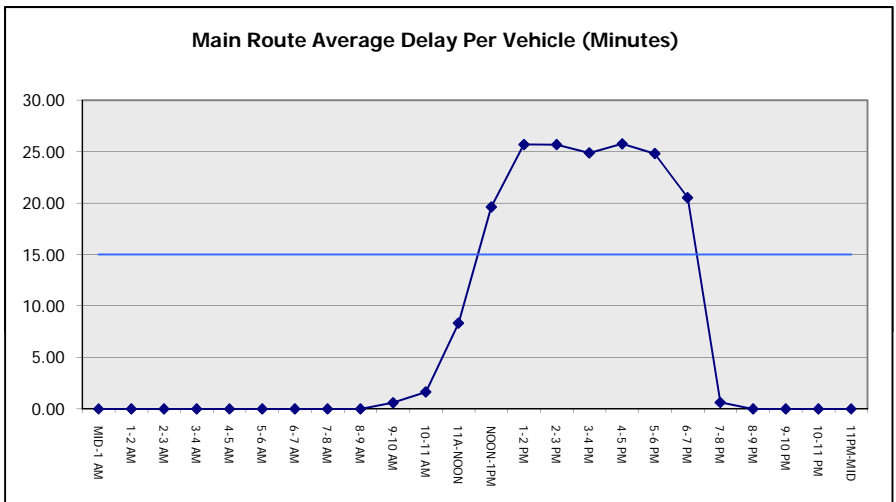
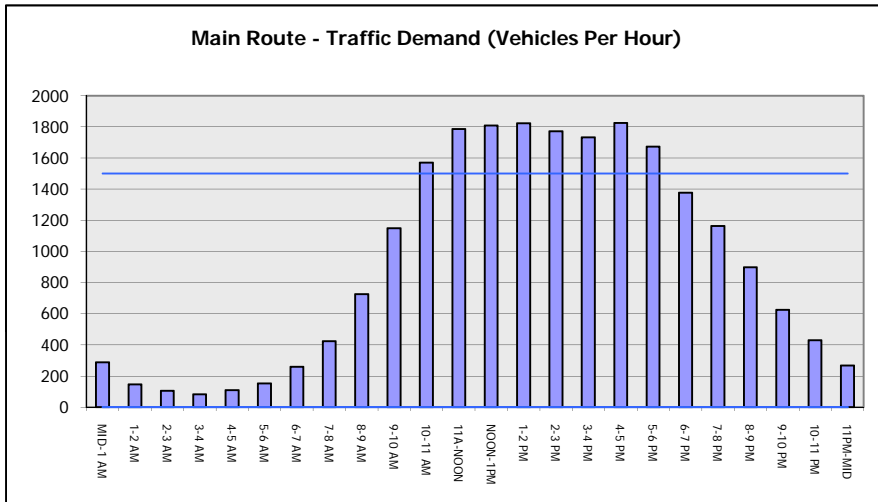
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$96,123
CONGESTED HOURS PER DAY*	7

*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
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	OCTOBER 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						
	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	254	0.0	55	0.0	OFF	254	0	55	0.00	0	65.9	65.9	65.9	43.9	43.9
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	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	118	0.0	26	0.0	OFF	118	0	26	0.00	0	66.1	66.1	66.1	44.3	44.3
4-5 AM	106	0.0	23	0.0	OFF	106	0	23	0.00	0	66.2	66.2	66.2	44.4	44.4
5-6 AM	142	0.0	31	0.0	OFF	142	0	31	0.00	0	66.1	66.1	66.1	44.3	44.3
6-7 AM	198	0.0	43	0.0	OFF	198	0	43	0.00	0	66.0	66.0	66.0	44.1	44.1
7-8 AM	308	0.0	67	0.0	OFF	308	0	67	0.00	0	65.8	65.8	65.8	43.8	43.8
8-9 AM	624	0.0	136	0.0	OFF	624	0	136	0.00	0	65.2	65.2	65.2	42.8	42.8
9-10 AM	1033	0.0	225	0.0	1499	1033	0	225	0.55	0	64.5	60.9	40.9	41.5	41.5
10-11 AM	1633	0.0	357	0.0	1499	1633	0	357	2.14	34	63.3	51.7	30.9	39.6	39.6
11A-NOON	2197	0.0	479	0.0	1500	2132	65	545	16.12	456	62.3	23.4	30.8	37.9	36.9
NOON-1PM	2435	0.0	532	0.0	1500	1771	664	1196	34.79	922	61.5	13.5	30.8	37.1	27.7
1-2 PM	2490	0.0	543	0.0	1500	1594	896	1439+	41.09	1092	61.0	11.9	30.8	36.9	24.2
2-3 PM	2550	0.0	557	0.0	1500	1577	973	1529+	43.85	1169	60.4	11.2	30.8	36.8	22.9
3-4 PM	2785	0.0	607	0.0	1500	1657	1127	1734+	48.34	1302	58.0	10.3	30.8	36.1	21.0
4-5 PM	2997	0.0	654	0.0	1500	1500	1497	2151+	49.42	1341	55.8	10.1	30.8	35.4	20.5
5-6 PM	3202	0.0	699	0.0	1500	1500	1702	2401+	49.00	1341	53.7	10.1	30.8	34.8	20.5
6-7 PM	2549	0.0	557	0.0	1500	1341	1208	1765+	48.74	1301	60.4	10.3	30.8	36.8	21.0
7-8 PM	2015	0.0	439	0.0	OFF	2015	0	439	7.21	369	62.7	35.9	35.9	38.4	38.4
8-9 PM	1590	0.0	346	0.0	OFF	1590	0	346	0.00	0	63.4	63.4	63.4	39.8	39.8
9-10 PM	1080	0.0	235	0.0	OFF	1080	0	235	0.00	0	64.4	64.4	64.4	41.4	41.4
10-11 PM	631	0.0	138	0.0	OFF	631	0	138	0.00	0	65.2	65.2	65.2	42.7	42.7
11PM-MID	328	0.0	71	0.0	OFF	328	0	71	0.00	0	65.8	65.8	65.8	43.7	43.7

"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	0.0508
MAIN ROUTE WITH WORKS	0.0367
DIVERSION	0.1141

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$287,349
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

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

