

IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 30 - USH 51	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	344	0.0	112	0.0	3000	344	0	112	0.36	0	70.2	65.3	49.7	39.2	39.2
1-2 AM	279	0.0	91	0.0	3000	279	0	91	0.36	0	70.2	65.3	49.7	39.3	39.3
2-3 AM	251	0.0	82	0.0	3000	251	0	82	0.36	0	70.2	65.3	49.7	39.4	39.4
3-4 AM	289	0.0	94	0.0	3000	289	0	94	0.36	0	70.2	65.3	49.7	39.3	39.3
4-5 AM	435	0.0	141	0.0	3000	435	0	141	0.36	0	70.2	65.3	49.7	39.1	39.1
5-6 AM	934	0.0	304	0.0	3000	934	0	304	0.35	0	69.6	64.9	49.7	38.3	38.3
6-7 AM	2030	0.0	661	0.0	2999	2030	0	661	0.33	0	68.2	64.0	49.7	36.6	36.6
7-8 AM	3174	0.0	1034	0.0	2999	3174	0	1034	1.92	71	66.8	48.6	37.3	34.8	34.8
8-9 AM	2540	0.0	827	0.0	2999	2540	0	827	1.22	50	67.6	54.5	44.5	35.8	35.8
9-10 AM	1851	0.0	603	0.0	3000	1851	0	603	0.34	0	68.4	64.1	49.7	36.8	36.8
10-11 AM	1851	0.0	603	0.0	3000	1851	0	603	0.34	0	68.4	64.1	49.7	36.8	36.8
11A-NOON	1964	0.0	639	0.0	3000	1964	0	639	0.34	0	68.3	64.0	49.7	36.6	36.6
NOON-1PM	2034	0.0	662	0.0	3000	2034	0	662	0.33	0	68.2	64.0	49.7	36.6	36.6
1-2 PM	2116	0.0	690	0.0	3000	2116	0	690	0.33	0	68.1	63.8	49.7	36.5	36.5
2-3 PM	2368	0.0	771	0.0	2999	2368	0	771	0.36	0	67.8	63.3	48.6	36.0	36.0
3-4 PM	2960	0.0	965	0.0	2999	2960	0	965	0.88	12	67.1	57.2	38.8	35.1	35.1
4-5 PM	3494	0.0	1137	0.0	3000	3420	74	1211+	5.31	275	66.4	32.7	37.3	34.3	33.9
5-6 PM	3181	0.0	1036	0.0	2999	2894	287	1323+	8.00	403	66.8	26.0	37.3	34.8	33.3
6-7 PM	2020	0.0	658	0.0	3000	2020	0	658	1.51	87	68.2	52.4	47.9	36.6	36.6
7-8 PM	1391	0.0	453	0.0	3000	1391	0	453	0.34	0	69.0	64.5	49.7	37.6	37.6
8-9 PM	1168	0.0	381	0.0	3000	1168	0	381	0.35	0	69.3	64.7	49.7	37.9	37.9
9-10 PM	1027	0.0	334	0.0	3000	1027	0	334	0.35	0	69.4	64.8	49.7	38.1	38.1
10-11 PM	772	0.0	251	0.0	3000	772	0	251	0.35	0	69.8	65.1	49.7	38.6	38.6
11PM-MID	527	0.0	172	0.0	3000	527	0	172	0.36	0	70.0	65.3	49.7	38.9	38.9

+ 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	0.0354
MAIN ROUTE WITH WORKS	0.0325
DIVERSION	0.1333

PIA: Personal Injury Accidents

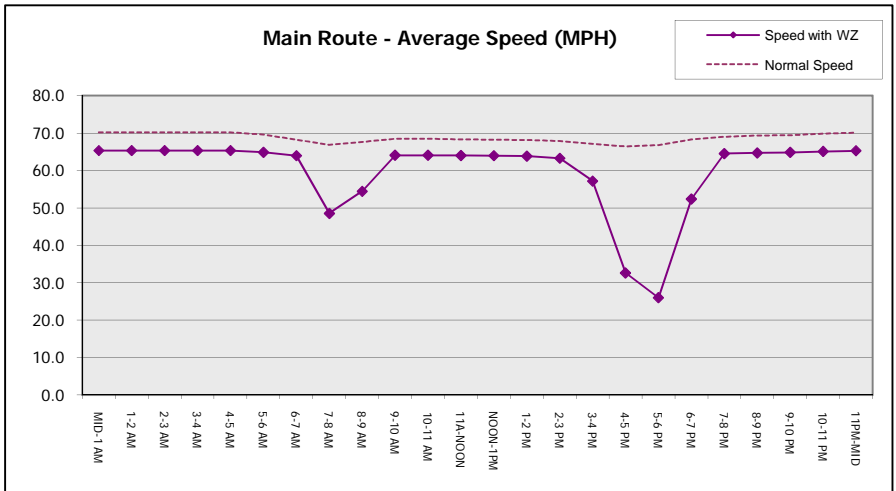
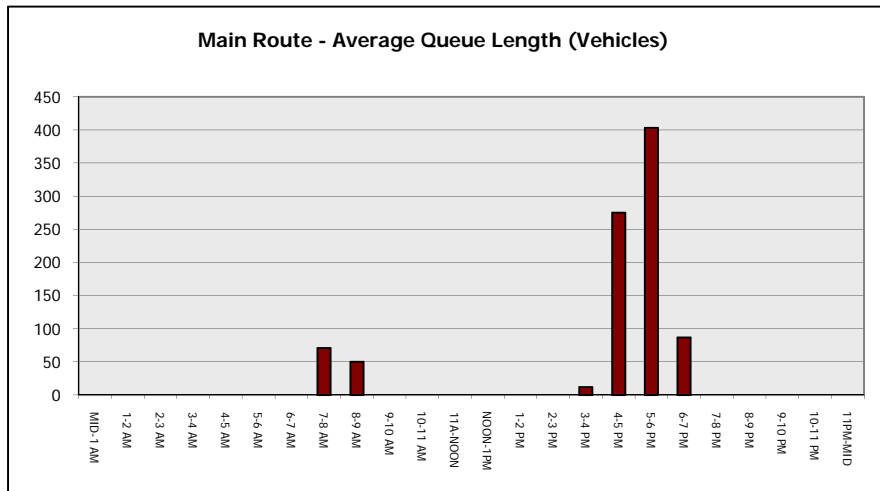
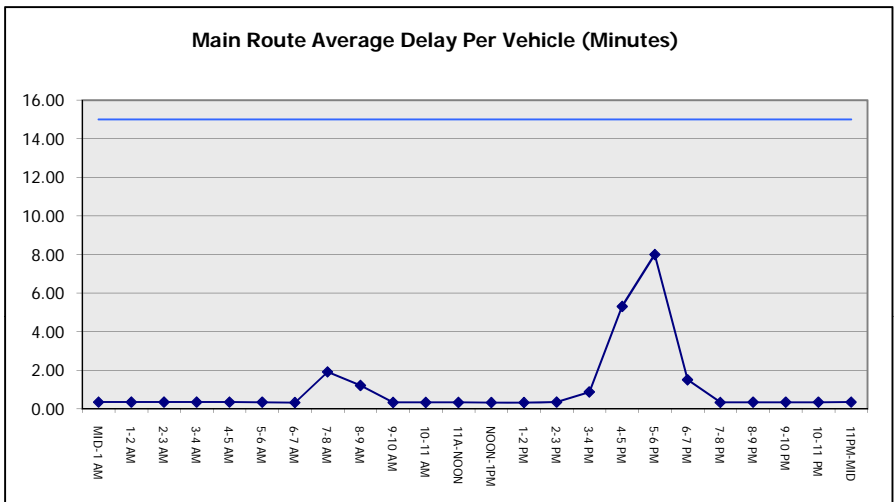
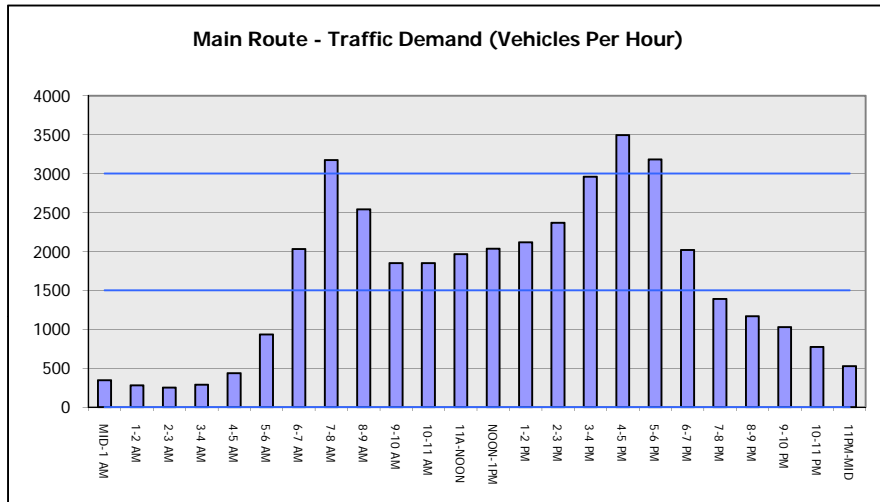
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$14,051
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 30 - USH 51

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 30 - USH 51	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	323	0.0	106	0.0	3000	323	0	106	0.36	0	70.2	65.3	49.7	39.2	39.2
1-2 AM	275	0.0	90	0.0	3000	275	0	90	0.36	0	70.2	65.3	49.7	39.3	39.3
2-3 AM	278	0.0	91	0.0	3000	278	0	91	0.36	0	70.2	65.3	49.7	39.3	39.3
3-4 AM	336	0.0	110	0.0	3000	336	0	110	0.36	0	70.2	65.3	49.7	39.2	39.2
4-5 AM	435	0.0	142	0.0	3000	435	0	142	0.36	0	70.2	65.3	49.7	39.1	39.1
5-6 AM	1024	0.0	334	0.0	3000	1024	0	334	0.35	0	69.5	64.8	49.7	38.1	38.1
6-7 AM	2405	0.0	784	0.0	2999	2405	0	784	0.42	0	67.8	62.6	46.5	36.0	36.0
7-8 AM	3033	0.0	988	0.0	2999	3033	0	988	1.07	18	66.9	55.4	37.3	35.0	35.0
8-9 AM	2320	0.0	755	0.0	3000	2320	0	756	0.37	0	67.9	63.2	48.8	36.1	36.1
9-10 AM	1990	0.0	649	0.0	3000	1990	0	649	0.33	0	68.2	64.0	49.7	36.6	36.6
10-11 AM	1937	0.0	631	0.0	3000	1937	0	631	0.34	0	68.3	64.0	49.7	36.7	36.7
11A-NOON	2025	0.0	659	0.0	3000	2025	0	659	0.33	0	68.2	64.0	49.7	36.6	36.6
NOON-1PM	2059	0.0	671	0.0	3000	2059	0	671	0.33	0	68.2	63.9	49.7	36.5	36.5
1-2 PM	2178	0.0	709	0.0	3000	2178	0	709	0.33	0	68.0	63.8	49.7	36.3	36.3
2-3 PM	2393	0.0	780	0.0	3000	2393	0	780	0.33	0	67.8	63.6	49.5	36.0	36.0
3-4 PM	2768	0.0	901	0.0	2999	2768	0	901	0.58	0	67.3	60.4	41.2	35.4	35.4
4-5 PM	3311	0.0	1079	0.0	2999	3311	0	1079	3.19	150	66.6	41.0	37.3	34.5	34.5
5-6 PM	2941	0.0	958	0.0	2999	2941	0	958	6.58	322	67.1	29.2	37.3	35.1	35.1
6-7 PM	1991	0.0	649	0.0	3000	1991	0	649	0.85	38	68.2	58.3	49.6	36.6	36.6
7-8 PM	1475	0.0	480	0.0	3000	1475	0	480	0.34	0	68.9	64.5	49.7	37.4	37.4
8-9 PM	1193	0.0	388	0.0	3000	1193	0	388	0.35	0	69.2	64.7	49.7	37.9	37.9
9-10 PM	999	0.0	325	0.0	3000	999	0	325	0.35	0	69.5	64.9	49.7	38.2	38.2
10-11 PM	753	0.0	246	0.0	3000	753	0	246	0.35	0	69.8	65.1	49.7	38.6	38.6
11PM-MID	521	0.0	170	0.0	3000	521	0	170	0.36	0	70.1	65.3	49.7	38.9	38.9

----- 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	0.0353
MAIN ROUTE WITH WORKS	0.0328
DIVERSION	0.1295

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$9,577
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 30 - USH 51

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION

