

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

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	431	0.0	140	0.0	3000	431	0	140	0.36	0	70.2	65.3	49.7	39.1	39.1
1-2 AM	344	0.0	112	0.0	3000	344	0	112	0.36	0	70.2	65.3	49.7	39.2	39.2
2-3 AM	303	0.0	99	0.0	3000	303	0	99	0.36	0	70.2	65.3	49.7	39.2	39.2
3-4 AM	318	0.0	104	0.0	3000	318	0	104	0.36	0	70.2	65.3	49.7	39.2	39.2
4-5 AM	496	0.0	161	0.0	3000	496	0	161	0.36	0	70.1	65.3	49.7	39.0	39.0
5-6 AM	931	0.0	303	0.0	3000	931	0	303	0.35	0	69.6	64.9	49.7	38.3	38.3
6-7 AM	1938	0.0	631	0.0	2999	1938	0	631	0.34	0	68.3	64.0	49.7	36.7	36.7
7-8 AM	3025	0.0	986	0.0	2999	3025	0	986	0.94	13	66.9	56.6	37.7	35.0	35.0
8-9 AM	2606	0.0	849	0.0	3000	2606	0	849	0.56	4	67.5	60.8	44.3	35.6	35.6
9-10 AM	2240	0.0	729	0.0	3000	2240	0	729	0.33	0	67.9	63.8	49.7	36.2	36.2
10-11 AM	2436	0.0	793	0.0	3000	2436	0	793	0.36	0	67.7	63.2	48.4	35.9	35.9
11A-NOON	2714	0.0	884	0.0	3000	2714	0	884	0.54	0	67.4	60.9	42.2	35.5	35.5
NOON-1PM	2921	0.0	951	0.0	2999	2921	0	951	0.68	0	67.1	59.2	38.5	35.1	35.1
1-2 PM	3141	0.0	1023	0.0	2999	3141	0	1023	1.68	56	66.8	50.3	37.3	34.8	34.8
2-3 PM	3384	0.0	1102	0.0	3000	3328	56	1158	5.81	294	66.5	31.2	37.3	34.5	34.2
3-4 PM	4029	0.0	1312	0.0	2999	3080	948	2261+	9.78	515	63.3	22.5	37.3	33.4	28.9
4-5 PM	4304	0.0	1401	0.0	3000	3029	1274	2676+	10.74	577	61.5	20.9	37.3	33.0	26.8
5-6 PM	3904	0.0	1271	0.0	2999	2896	1009	2280+	9.90	518	64.2	22.4	37.3	33.6	28.8
6-7 PM	3030	0.0	987	0.0	2999	2820	211	1197	7.50	376	66.9	27.1	37.3	35.0	34.0
7-8 PM	2328	0.0	759	0.0	2999	2328	0	759	1.53	81	67.8	52.0	45.8	36.1	36.1
8-9 PM	1894	0.0	616	0.0	3000	1894	0	616	0.34	0	68.4	64.1	49.7	36.8	36.8
9-10 PM	1556	0.0	506	0.0	3000	1556	0	506	0.34	0	68.8	64.4	49.7	37.3	37.3
10-11 PM	1131	0.0	368	0.0	3000	1131	0	368	0.35	0	69.3	64.8	49.7	37.9	37.9
11PM-MID	736	0.0	240	0.0	3000	736	0	240	0.35	0	69.8	65.1	49.7	38.6	38.6

+ 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	0.0455
MAIN ROUTE WITH WORKS	0.0392
DIVERSION	0.2023

PIA: Personal Injury Accidents

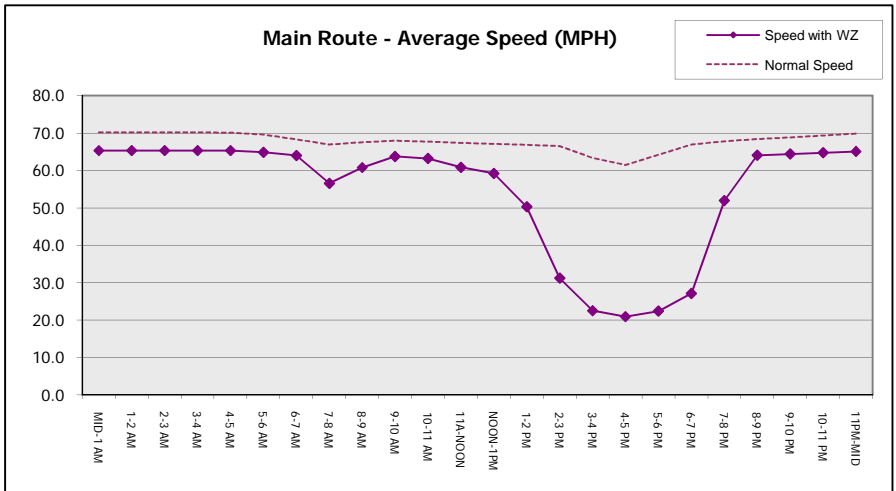
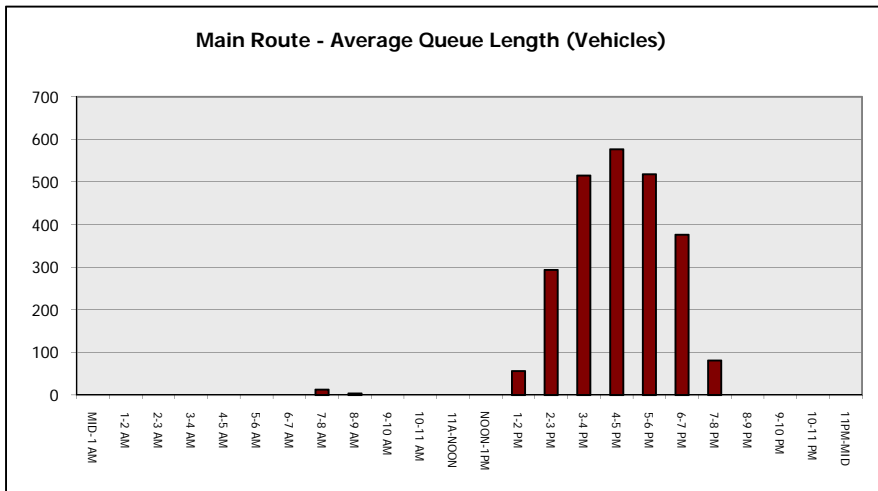
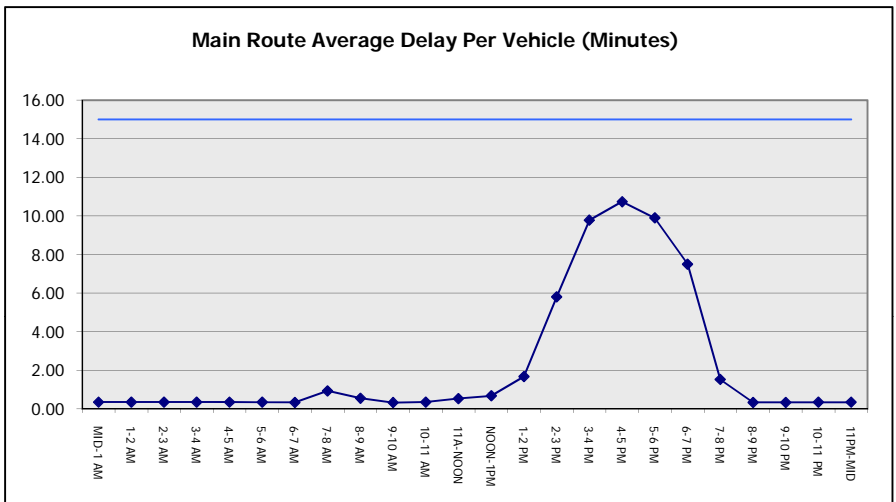
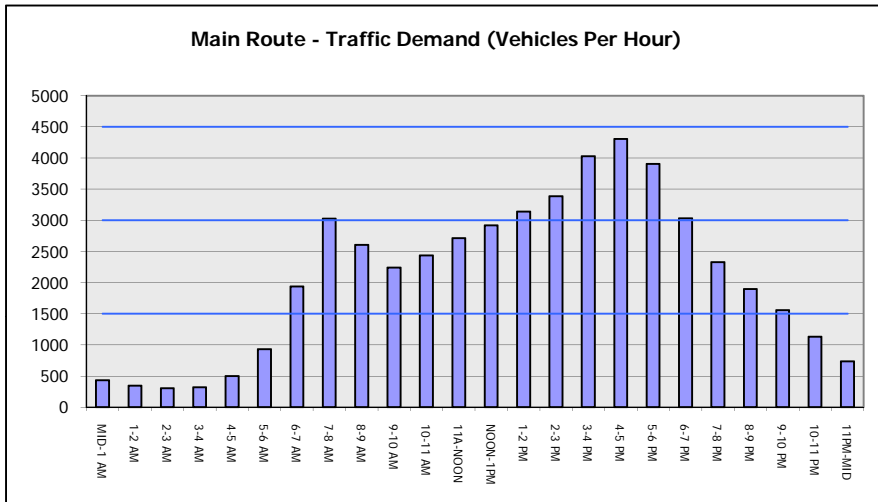
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$45,371
CONGESTED HOURS PER DAY*	0

*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
FRIDAY 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

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		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	364	0.0	118	0.0	3000	364	0	118	0.36	0	70.2	65.3	49.7	39.2	39.2
1-2 AM	316	0.0	103	0.0	3000	316	0	103	0.36	0	70.2	65.3	49.7	39.2	39.2
2-3 AM	319	0.0	104	0.0	3000	319	0	104	0.36	0	70.2	65.3	49.7	39.2	39.2
3-4 AM	375	0.0	122	0.0	3000	375	0	122	0.36	0	70.2	65.3	49.7	39.2	39.2
4-5 AM	448	0.0	145	0.0	3000	448	0	145	0.36	0	70.2	65.3	49.7	39.1	39.1
5-6 AM	967	0.0	315	0.0	3000	967	0	315	0.35	0	69.6	64.9	49.7	38.3	38.3
6-7 AM	2241	0.0	730	0.0	3000	2241	0	730	0.33	0	67.9	63.8	49.7	36.2	36.2
7-8 AM	2802	0.0	912	0.0	3000	2802	0	912	0.60	0	67.3	60.2	40.5	35.3	35.3
8-9 AM	2338	0.0	762	0.0	3000	2338	0	762	0.33	0	67.8	63.7	49.7	36.1	36.1
9-10 AM	2097	0.0	683	0.0	3000	2097	0	683	0.33	0	68.1	63.9	49.7	36.5	36.5
10-11 AM	2226	0.0	725	0.0	3000	2226	0	725	0.33	0	67.9	63.8	49.7	36.3	36.3
11A-NOON	2449	0.0	797	0.0	3000	2449	0	797	0.37	0	67.7	63.1	48.1	35.9	35.9
NOON-1PM	2542	0.0	828	0.0	3000	2542	0	828	0.43	0	67.6	62.3	45.8	35.8	35.8
1-2 PM	2727	0.0	888	0.0	2999	2727	0	888	0.55	0	67.3	60.7	42.0	35.5	35.5
2-3 PM	3002	0.0	978	0.0	2999	3002	0	978	0.86	9	67.0	57.3	37.8	35.0	35.0
3-4 PM	3288	0.0	1071	0.0	3000	3288	0	1071	3.40	159	66.6	40.1	37.3	34.6	34.6
4-5 PM	3651	0.0	1189	0.0	2999	3137	514	1703+	8.63	441	65.9	24.7	37.3	34.0	31.5
5-6 PM	3331	0.0	1085	0.0	3000	2931	400	1485+	8.30	419	66.6	25.5	37.3	34.5	32.6
6-7 PM	2582	0.0	840	0.0	2999	2570	12	852	3.89	212	67.5	38.2	40.9	35.7	35.6
7-8 PM	2044	0.0	665	0.0	3000	2044	0	665	0.33	0	68.2	64.0	49.7	36.5	36.5
8-9 PM	1586	0.0	517	0.0	3000	1586	0	517	0.34	0	68.7	64.3	49.7	37.3	37.3
9-10 PM	1297	0.0	423	0.0	3000	1297	0	423	0.35	0	69.1	64.6	49.7	37.7	37.7
10-11 PM	989	0.0	322	0.0	3000	989	0	322	0.35	0	69.5	64.9	49.7	38.2	38.2
11PM-MID	686	0.0	224	0.0	3000	686	0	224	0.36	0	69.9	65.1	49.7	38.7	38.7

+ 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	0.0405
MAIN ROUTE WITH WORKS	0.0368
DIVERSION	0.1579

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$22,722
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
FRIDAY EASTBOUND DIRECTION

