

IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 30 - USH 51	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	430	0.0	140	0.0	3000	430	0	140	0.36	0	70.2	65.3	49.7	39.1	39.1
1-2 AM	357	0.0	116	0.0	3000	357	0	116	0.36	0	70.2	65.3	49.7	39.2	39.2
2-3 AM	312	0.0	102	0.0	3000	312	0	102	0.36	0	70.2	65.3	49.7	39.2	39.2
3-4 AM	330	0.0	108	0.0	3000	330	0	108	0.36	0	70.2	65.3	49.7	39.2	39.2
4-5 AM	470	0.0	153	0.0	3000	470	0	153	0.36	0	70.2	65.3	49.7	39.0	39.0
5-6 AM	937	0.0	306	0.0	3000	937	0	306	0.35	0	69.6	64.9	49.7	38.3	38.3
6-7 AM	2050	0.0	668	0.0	2999	2050	0	668	0.33	0	68.2	63.9	49.7	36.5	36.5
7-8 AM	2974	0.0	969	0.0	2999	2974	0	969	0.79	5	67.1	58.1	38.0	35.1	35.1
8-9 AM	2599	0.0	847	0.0	3000	2599	0	847	0.48	0	67.5	61.7	44.6	35.6	35.6
9-10 AM	2242	0.0	730	0.0	3000	2242	0	730	0.33	0	67.9	63.8	49.7	36.2	36.2
10-11 AM	2346	0.0	764	0.0	3000	2346	0	764	0.33	0	67.8	63.7	49.7	36.1	36.1
11A-NOON	2574	0.0	838	0.0	3000	2574	0	838	0.45	0	67.6	62.0	45.1	35.7	35.7
NOON-1PM	2777	0.0	905	0.0	2999	2777	0	905	0.58	0	67.3	60.4	41.0	35.4	35.4
1-2 PM	3002	0.0	978	0.0	2999	3002	0	978	0.84	7	67.0	57.5	37.7	35.0	35.0
2-3 PM	3247	0.0	1058	0.0	3000	3247	0	1058	2.86	127	66.7	42.8	37.3	34.7	34.7
3-4 PM	3848	0.0	1254	0.0	3000	3231	617	1870+	8.78	458	64.6	24.3	37.3	33.7	30.7
4-5 PM	3920	0.0	1277	0.0	3000	2993	927	2203+	9.70	507	64.1	22.7	37.3	33.6	29.1
5-6 PM	3643	0.0	1187	0.0	3000	2939	705	1891+	9.11	466	66.0	23.9	37.3	34.0	30.6
6-7 PM	3024	0.0	985	0.0	2999	2870	154	1139	7.46	372	67.0	27.2	37.3	35.0	34.3
7-8 PM	2404	0.0	783	0.0	2999	2404	0	783	1.79	99	67.8	50.0	45.1	36.0	36.0
8-9 PM	2044	0.0	666	0.0	3000	2044	0	666	0.33	0	68.2	64.0	49.7	36.5	36.5
9-10 PM	1647	0.0	537	0.0	3000	1647	0	537	0.34	0	68.7	64.3	49.7	37.1	37.1
10-11 PM	1294	0.0	422	0.0	3000	1294	0	422	0.35	0	69.1	64.6	49.7	37.7	37.7
11PM-MID	821	0.0	268	0.0	3000	821	0	268	0.35	0	69.7	65.0	49.7	38.4	38.4

+ 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	0.0447
MAIN ROUTE WITH WORKS	0.0394
DIVERSION	0.1883

PIA: Personal Injury Accidents

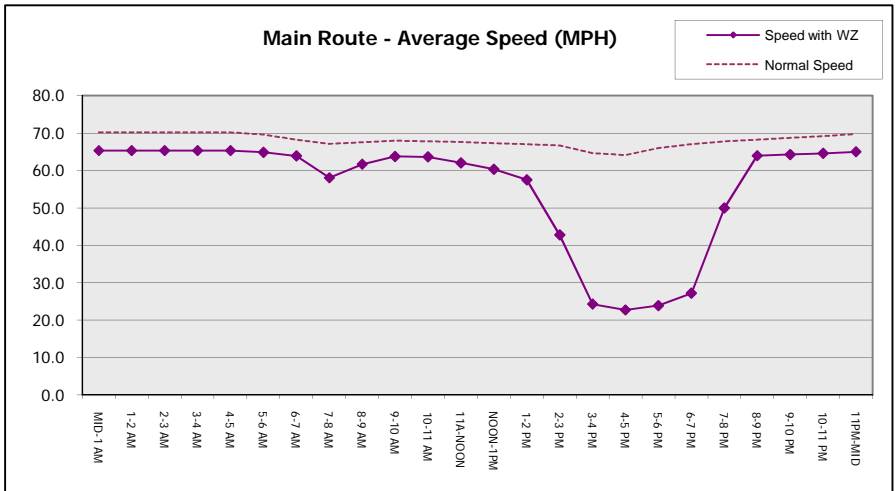
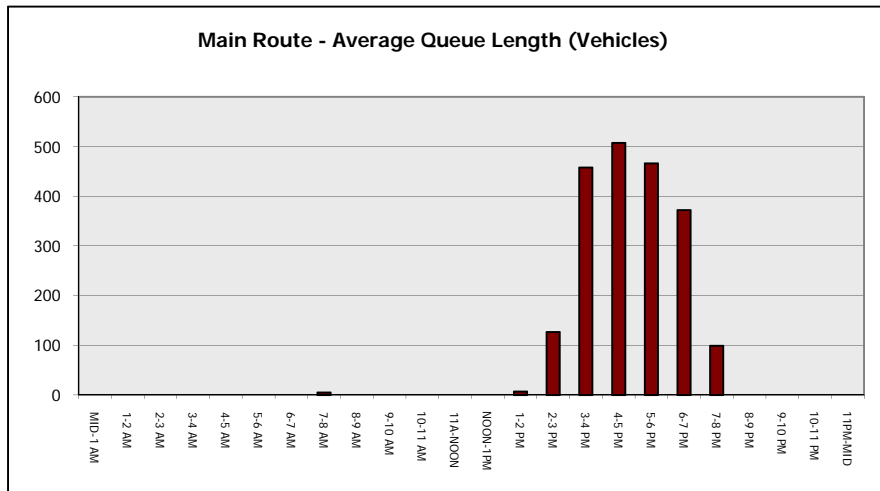
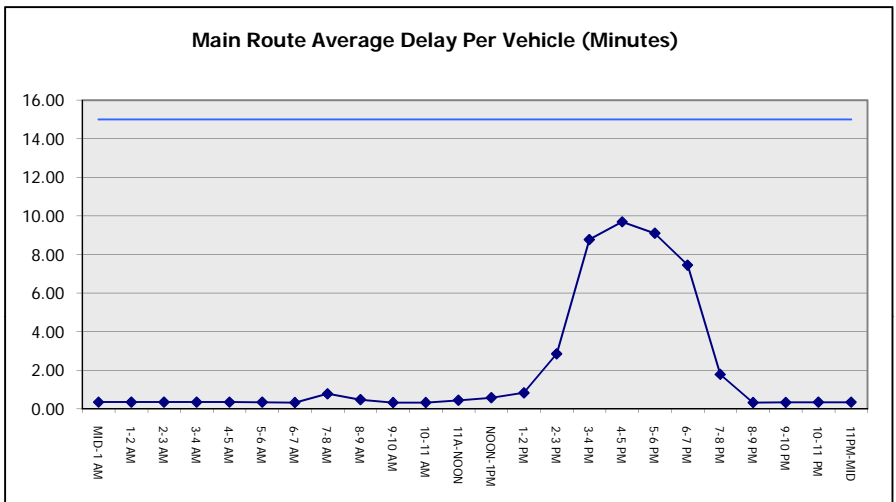
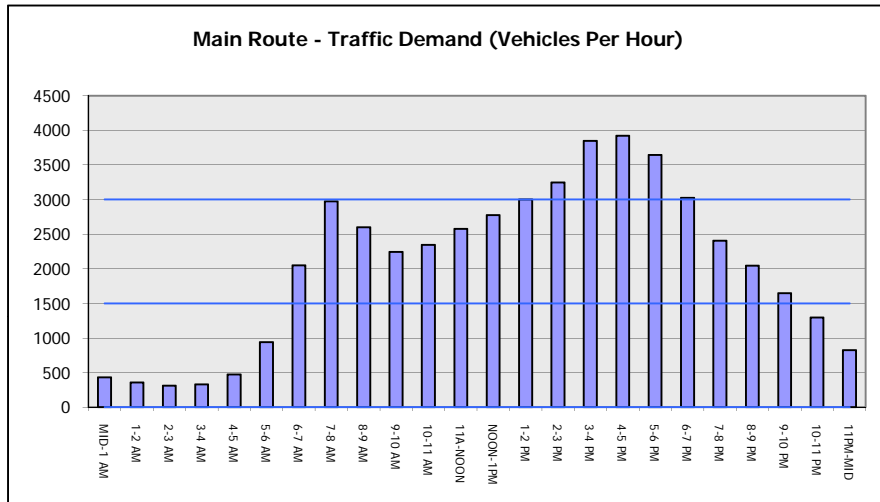
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$36,382
CONGESTED HOURS PER DAY*	0

*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

MAY
 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	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		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	363	0.0	118	0.0	3000	363	0	118	0.36	0	70.2	65.3	49.7	39.2	39.2
1-2 AM	287	0.0	93	0.0	3000	287	0	93	0.36	0	70.2	65.3	49.7	39.3	39.3
2-3 AM	286	0.0	93	0.0	3000	286	0	93	0.36	0	70.2	65.3	49.7	39.3	39.3
3-4 AM	315	0.0	103	0.0	3000	315	0	103	0.36	0	70.2	65.3	49.7	39.2	39.2
4-5 AM	394	0.0	129	0.0	3000	394	0	129	0.36	0	70.2	65.3	49.7	39.1	39.1
5-6 AM	977	0.0	318	0.0	3000	977	0	318	0.35	0	69.5	64.9	49.7	38.2	38.2
6-7 AM	2294	0.0	747	0.0	3000	2294	0	747	0.33	0	67.9	63.7	49.7	36.1	36.1
7-8 AM	2656	0.0	865	0.0	3000	2656	0	865	0.50	0	67.4	61.4	43.3	35.6	35.6
8-9 AM	2131	0.0	695	0.0	3000	2131	0	695	0.33	0	68.1	63.8	49.7	36.4	36.4
9-10 AM	1985	0.0	647	0.0	3000	1985	0	647	0.33	0	68.2	64.0	49.7	36.6	36.6
10-11 AM	2090	0.0	681	0.0	3000	2090	0	681	0.33	0	68.1	63.9	49.7	36.5	36.5
11A-NOON	2207	0.0	719	0.0	3000	2207	0	719	0.33	0	68.0	63.8	49.7	36.3	36.3
NOON-1PM	2393	0.0	780	0.0	3000	2393	0	780	0.33	0	67.8	63.6	49.5	36.0	36.0
1-2 PM	2432	0.0	792	0.0	3000	2432	0	792	0.36	0	67.7	63.2	48.5	36.0	36.0
2-3 PM	2723	0.0	886	0.0	3000	2723	0	886	0.55	0	67.4	60.8	42.0	35.5	35.5
3-4 PM	2934	0.0	955	0.0	2999	2934	0	955	0.69	0	67.1	59.1	38.3	35.1	35.1
4-5 PM	3145	0.0	1024	0.0	2999	3145	0	1024	1.98	73	66.8	48.1	37.3	34.8	34.8
5-6 PM	2925	0.0	952	0.0	2999	2925	0	952	3.08	131	67.1	41.8	37.4	35.1	35.1
6-7 PM	2401	0.0	783	0.0	3000	2401	0	783	0.46	5	67.8	62.0	47.7	36.0	36.0
7-8 PM	1921	0.0	626	0.0	3000	1921	0	626	0.34	0	68.4	64.0	49.7	36.7	36.7
8-9 PM	1528	0.0	497	0.0	3000	1528	0	497	0.34	0	68.8	64.4	49.7	37.3	37.3
9-10 PM	1294	0.0	422	0.0	3000	1294	0	422	0.35	0	69.1	64.6	49.7	37.7	37.7
10-11 PM	1000	0.0	325	0.0	3000	1000	0	325	0.35	0	69.5	64.9	49.7	38.2	38.2
11PM-MID	749	0.0	244	0.0	3000	749	0	244	0.35	0	69.8	65.1	49.7	38.6	38.6

----- 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	0.0376
MAIN ROUTE WITH WORKS	0.0348
DIVERSION	0.1377

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$6,929
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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY EASTBOUND DIRECTION

