

**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
SATURDAY 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	560	0.0	182	0.0	3000	560	0	182	0.36	0	70.0	65.3	49.7	38.9	38.9
1-2 AM	369	0.0	120	0.0	3000	369	0	120	0.36	0	70.2	65.3	49.7	39.2	39.2
2-3 AM	302	0.0	98	0.0	3000	302	0	98	0.36	0	70.2	65.3	49.7	39.2	39.2
3-4 AM	276	0.0	90	0.0	3000	276	0	90	0.36	0	70.2	65.3	49.7	39.3	39.3
4-5 AM	311	0.0	102	0.0	3000	311	0	102	0.36	0	70.2	65.3	49.7	39.2	39.2
5-6 AM	540	0.0	176	0.0	3000	540	0	176	0.36	0	70.0	65.3	49.7	38.9	38.9
6-7 AM	956	0.0	312	0.0	3000	956	0	312	0.35	0	69.6	64.9	49.7	38.3	38.3
7-8 AM	1510	0.0	492	0.0	3000	1510	0	492	0.34	0	68.9	64.4	49.7	37.4	37.4
8-9 AM	1963	0.0	639	0.0	3000	1963	0	639	0.34	0	68.3	64.0	49.7	36.6	36.6
9-10 AM	2289	0.0	745	0.0	3000	2289	0	745	0.33	0	67.9	63.7	49.7	36.1	36.1
10-11 AM	2554	0.0	832	0.0	3000	2554	0	832	0.44	0	67.6	62.2	45.5	35.7	35.7
11A-NOON	2638	0.0	859	0.0	3000	2638	0	859	0.49	0	67.4	61.5	43.7	35.6	35.6
NOON-1PM	2595	0.0	845	0.0	3000	2595	0	845	0.46	0	67.5	61.9	44.6	35.6	35.6
1-2 PM	2522	0.0	821	0.0	3000	2522	0	821	0.42	0	67.6	62.5	46.3	35.8	35.8
2-3 PM	2408	0.0	785	0.0	3000	2408	0	785	0.34	0	67.8	63.5	49.1	36.0	36.0
3-4 PM	2389	0.0	779	0.0	3000	2389	0	779	0.33	0	67.8	63.6	49.6	36.0	36.0
4-5 PM	2233	0.0	727	0.0	3000	2233	0	727	0.33	0	67.9	63.8	49.7	36.3	36.3
5-6 PM	1969	0.0	641	0.0	3000	1969	0	641	0.34	0	68.3	64.0	49.7	36.6	36.6
6-7 PM	1670	0.0	544	0.0	3000	1670	0	544	0.34	0	68.7	64.3	49.7	37.1	37.1
7-8 PM	1417	0.0	461	0.0	3000	1417	0	461	0.34	0	69.0	64.5	49.7	37.5	37.5
8-9 PM	1180	0.0	384	0.0	3000	1180	0	384	0.35	0	69.2	64.7	49.7	37.9	37.9
9-10 PM	1038	0.0	338	0.0	3000	1038	0	338	0.35	0	69.4	64.8	49.7	38.1	38.1
10-11 PM	797	0.0	260	0.0	3000	797	0	260	0.35	0	69.7	65.0	49.7	38.5	38.5
11PM-MID	604	0.0	197	0.0	3000	604	0	197	0.36	0	70.0	65.2	49.7	38.8	38.8

----- 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	0.0318
MAIN ROUTE WITH WORKS	0.0295
DIVERSION	0.1166

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,207
CONGESTED HOURS PER DAY*	0

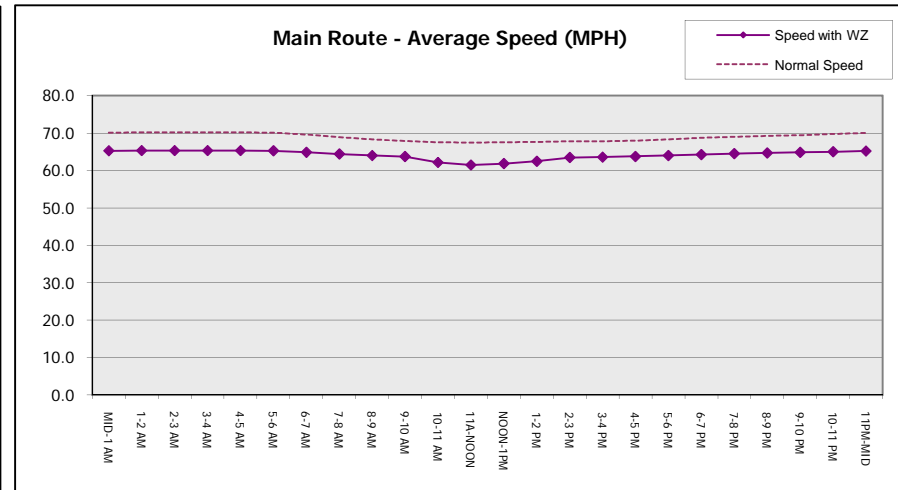
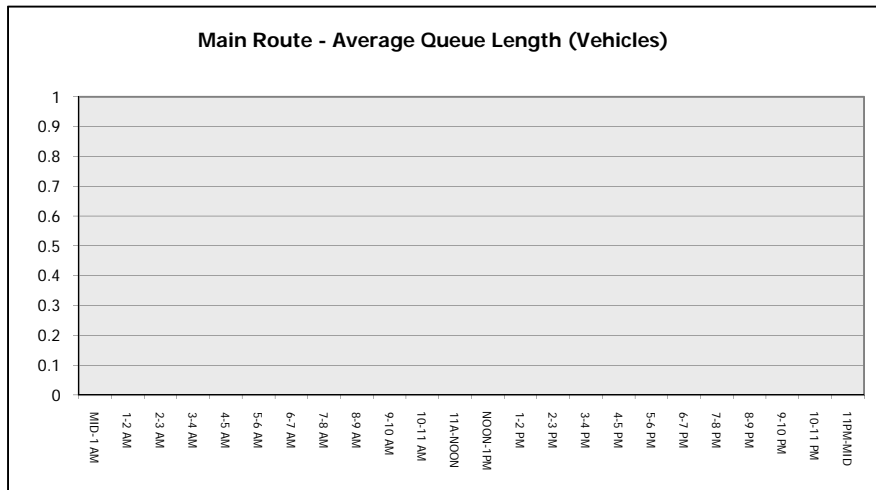
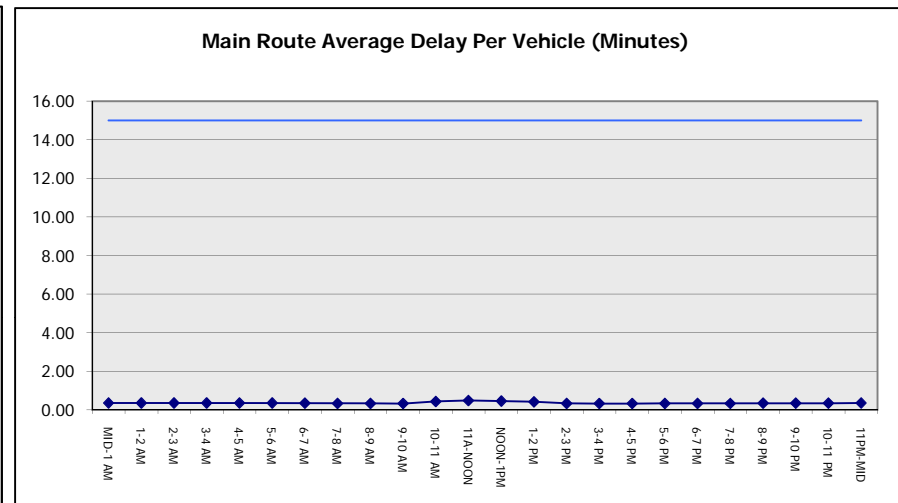
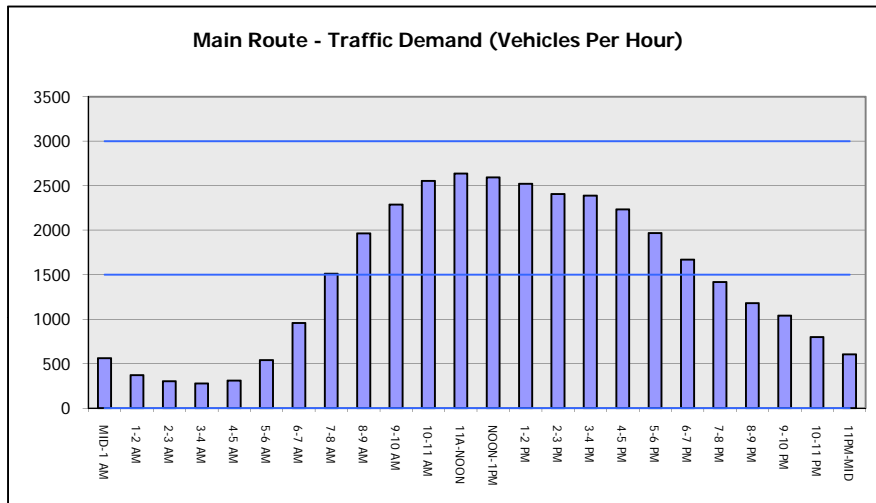
*Delays Exceeding 15 Minutes

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

MAY
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY 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

SATURDAY 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	458	0.0	150	0.0	3000	458	0	150	0.36	0	70.2	65.3	49.7	39.0	39.0
1-2 AM	295	0.0	96	0.0	3000	295	0	96	0.36	0	70.2	65.3	49.7	39.3	39.3
2-3 AM	260	0.0	85	0.0	3000	260	0	85	0.36	0	70.2	65.3	49.7	39.3	39.3
3-4 AM	247	0.0	81	0.0	3000	247	0	81	0.36	0	70.2	65.3	49.7	39.4	39.4
4-5 AM	277	0.0	90	0.0	3000	277	0	90	0.36	0	70.2	65.3	49.7	39.3	39.3
5-6 AM	382	0.0	125	0.0	3000	382	0	125	0.36	0	70.2	65.3	49.7	39.1	39.1
6-7 AM	686	0.0	224	0.0	3000	686	0	224	0.36	0	69.9	65.1	49.7	38.7	38.7
7-8 AM	1129	0.0	367	0.0	3000	1129	0	367	0.35	0	69.3	64.8	49.7	38.0	38.0
8-9 AM	1542	0.0	502	0.0	3000	1542	0	502	0.34	0	68.8	64.4	49.7	37.3	37.3
9-10 AM	1828	0.0	595	0.0	3000	1828	0	595	0.34	0	68.4	64.1	49.7	36.9	36.9
10-11 AM	2086	0.0	679	0.0	3000	2086	0	679	0.33	0	68.1	63.9	49.7	36.5	36.5
11A-NOON	2212	0.0	720	0.0	3000	2212	0	720	0.33	0	68.0	63.8	49.7	36.3	36.3
NOON-1PM	2292	0.0	746	0.0	3000	2292	0	746	0.33	0	67.9	63.7	49.7	36.1	36.1
1-2 PM	2218	0.0	722	0.0	3000	2218	0	722	0.33	0	68.0	63.8	49.7	36.3	36.3
2-3 PM	2174	0.0	708	0.0	3000	2174	0	708	0.33	0	68.1	63.8	49.7	36.3	36.3
3-4 PM	2136	0.0	696	0.0	3000	2136	0	696	0.33	0	68.1	63.8	49.7	36.4	36.4
4-5 PM	2112	0.0	687	0.0	3000	2112	0	687	0.33	0	68.1	63.9	49.7	36.5	36.5
5-6 PM	1923	0.0	627	0.0	3000	1923	0	627	0.34	0	68.4	64.0	49.7	36.7	36.7
6-7 PM	1607	0.0	523	0.0	3000	1607	0	523	0.34	0	68.7	64.3	49.7	37.2	37.2
7-8 PM	1374	0.0	448	0.0	3000	1374	0	448	0.34	0	69.1	64.5	49.7	37.6	37.6
8-9 PM	1247	0.0	406	0.0	3000	1247	0	406	0.35	0	69.2	64.6	49.7	37.8	37.8
9-10 PM	1101	0.0	359	0.0	3000	1101	0	359	0.35	0	69.4	64.8	49.7	38.0	38.0
10-11 PM	905	0.0	295	0.0	3000	905	0	295	0.35	0	69.6	65.0	49.7	38.3	38.3
11PM-MID	622	0.0	202	0.0	3000	622	0	202	0.36	0	70.0	65.2	49.7	38.8	38.8

----- 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	0.0282
MAIN ROUTE WITH WORKS	0.0262
DIVERSION	0.1034

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,574
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 30 - USH 51

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

