

USH 151: IH 39 TO STH 19 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE SEGMENT)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR SOUTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR						AVERAGE SPEEDS IN MPH			
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	121	0.0	3000	121	0	0.36	0	70.2	64.4	49.7
1-2 AM	91	0.0	3000	91	0	0.36	0	70.2	64.4	49.7
2-3 AM	82	0.0	3000	82	0	0.36	0	70.2	64.4	49.7
3-4 AM	119	0.0	3000	119	0	0.36	0	70.2	64.4	49.7
4-5 AM	244	0.0	3000	244	0	0.36	0	70.2	64.4	49.7
5-6 AM	758	0.0	3000	758	0	0.35	0	69.8	64.1	49.7
6-7 AM	2169	0.0	2999	2169	0	0.35	0	68.1	62.7	48.9
7-8 AM	2981	0.0	2999	2981	0	0.72	0	67.0	57.3	37.6
8-9 AM	2012	0.0	3000	2012	0	0.33	0	68.2	63.1	49.7
9-10 AM	1452	0.0	3000	1452	0	0.34	0	68.9	63.6	49.7
10-11 AM	1348	0.0	3000	1348	0	0.35	0	69.1	63.7	49.7
11AM-NOON	1469	0.0	3000	1469	0	0.34	0	68.9	63.6	49.7
NOON-1PM	1513	0.0	3000	1513	0	0.34	0	68.9	63.5	49.7
1-2 PM	1408	0.0	3000	1408	0	0.34	0	69.0	63.6	49.7
2-3 PM	1394	0.0	3000	1394	0	0.34	0	69.0	63.7	49.7
3-4 PM	1620	0.0	3000	1620	0	0.34	0	68.7	63.5	49.7
4-5 PM	1776	0.0	3000	1776	0	0.34	0	68.5	63.3	49.7
5-6 PM	1643	0.0	3000	1643	0	0.34	0	68.7	63.4	49.7
6-7 PM	1284	0.0	3000	1284	0	0.35	0	69.1	63.7	49.7
7-8 PM	889	0.0	3000	889	0	0.35	0	69.6	64.0	49.7
8-9 PM	675	0.0	3000	675	0	0.36	0	69.9	64.2	49.7
9-10 PM	534	0.0	3000	534	0	0.36	0	70.0	64.3	49.7
10-11 PM	381	0.0	3000	381	0	0.36	0	70.2	64.4	49.7
11PM-MID	201	0.0	3000	201	0	0.36	0	70.2	64.4	49.7

----- SITE BREAKDOWN DELAYS -----

BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----

BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)

MAIN ROUTE WITHOUT WORKS	0.0196
MAIN ROUTE WITH WORKS	0.0178
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

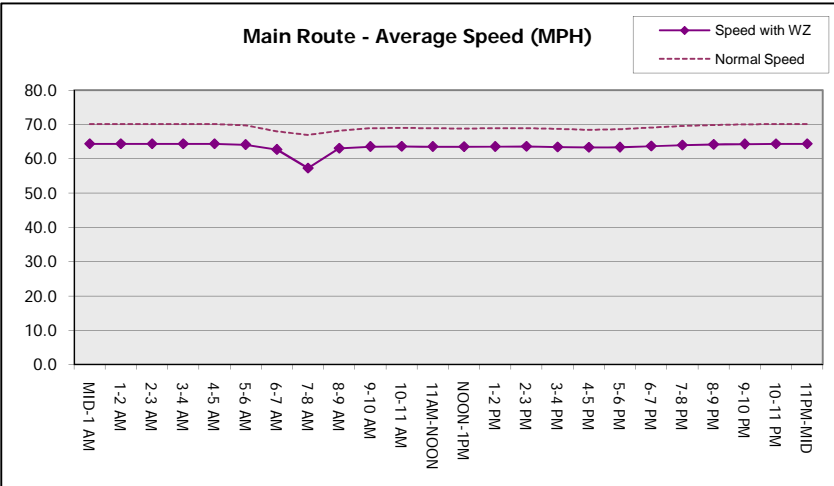
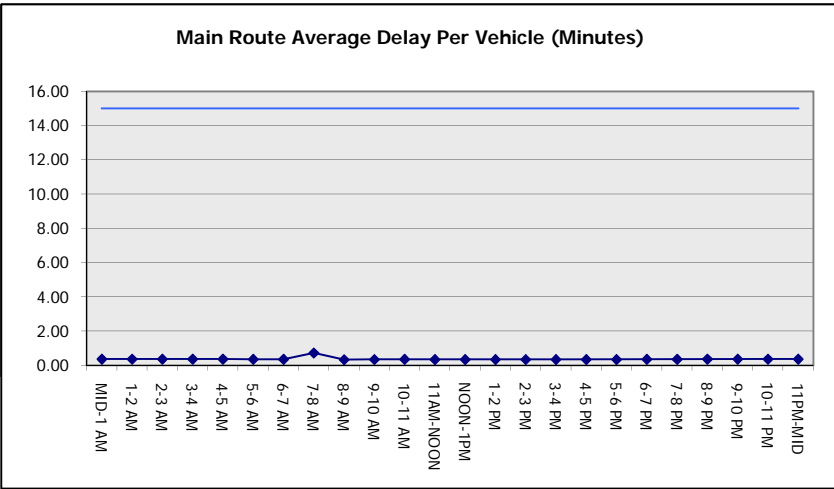
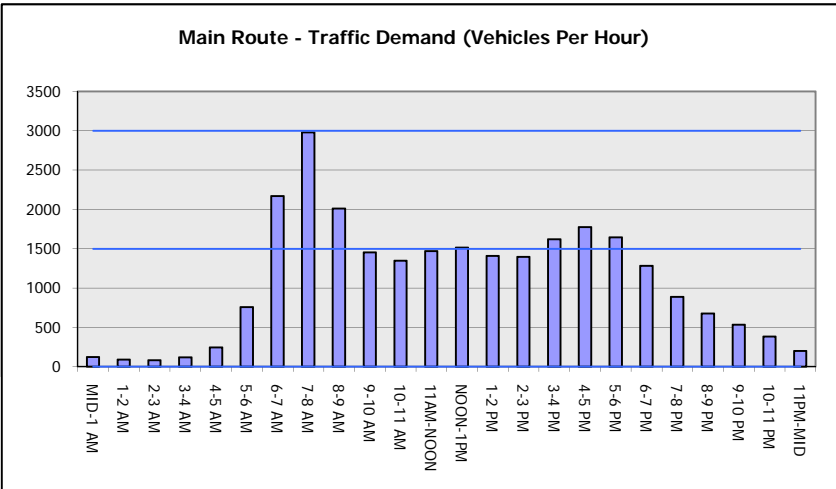
ROAD USER COSTS PER DAY	\$1,959
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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



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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH		
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	198	0.0	3000	198	0	0.36	0	70.2	64.4	49.7
1-2 AM	132	0.0	3000	132	0	0.36	0	70.2	64.4	49.7
2-3 AM	105	0.0	3000	105	0	0.36	0	70.2	64.4	49.7
3-4 AM	88	0.0	3000	88	0	0.36	0	70.2	64.4	49.7
4-5 AM	123	0.0	3000	123	0	0.36	0	70.2	64.4	49.7
5-6 AM	296	0.0	3000	296	0	0.36	0	70.2	64.4	49.7
6-7 AM	723	0.0	3000	723	0	0.35	0	69.9	64.2	49.7
7-8 AM	1138	0.0	3000	1138	0	0.35	0	69.3	63.8	49.7
8-9 AM	948	0.0	3000	948	0	0.35	0	69.6	64.0	49.7
9-10 AM	932	0.0	3000	932	0	0.35	0	69.6	64.0	49.7
10-11 AM	1060	0.0	3000	1060	0	0.35	0	69.4	63.9	49.7
11AM-NOON	1324	0.0	3000	1324	0	0.35	0	69.1	63.7	49.7
NOON-1PM	1533	0.0	3000	1533	0	0.34	0	68.8	63.5	49.7
1-2 PM	1553	0.0	3000	1553	0	0.34	0	68.8	63.5	49.7
2-3 PM	1800	0.0	3000	1800	0	0.34	0	68.5	63.3	49.7
3-4 PM	2352	0.0	2999	2352	0	0.37	0	67.8	62.3	48.2
4-5 PM	3013	0.0	2999	3013	0	0.89	10	67.0	55.3	37.7
5-6 PM	2917	0.0	2999	2917	0	1.40	42	67.1	50.3	38.8
6-7 PM	1767	0.0	3000	1767	0	0.34	0	68.6	63.3	49.7
7-8 PM	1328	0.0	3000	1328	0	0.35	0	69.1	63.7	49.7
8-9 PM	1181	0.0	3000	1181	0	0.35	0	69.2	63.8	49.7
9-10 PM	942	0.0	3000	942	0	0.35	0	69.6	64.0	49.7
10-11 PM	574	0.0	3000	574	0	0.36	0	70.0	64.3	49.7
11PM-MID	389	0.0	3000	389	0	0.36	0	70.2	64.4	49.7

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0197
MAIN ROUTE WITH WORKS	0.0180
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,697
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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