

USH 151: IH 39 TO STH 19 (DANE COUNTY) NIGHTTIME 2 LANE 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	1500	121	0	0.49	0	70.2	62.6	45.0	
1-2 AM	91	0.0	1500	91	0	0.48	0	70.2	62.7	45.1	
2-3 AM	82	0.0	1500	82	0	0.48	0	70.2	62.7	45.1	
3-4 AM	119	0.0	1500	119	0	0.49	0	70.2	62.6	45.0	
4-5 AM	244	0.0	1500	244	0	0.50	0	70.2	62.3	44.5	
5-6 AM	758	0.0	OFF	758	0	0.00	0	69.8	69.8	69.8	
6-7 AM	2169	0.0	OFF	2169	0	0.00	0	68.1	68.1	68.1	
7-8 AM	2981	0.0	OFF	2981	0	0.00	0	67.0	67.0	67.0	
8-9 AM	2012	0.0	OFF	2012	0	0.00	0	68.2	68.2	68.2	
9-10 AM	1452	0.0	OFF	1452	0	0.00	0	68.9	68.9	68.9	
10-11 AM	1348	0.0	OFF	1348	0	0.00	0	69.1	69.1	69.1	
11AM-NOON	1469	0.0	OFF	1469	0	0.00	0	68.9	68.9	68.9	
NOON-1PM	1513	0.0	OFF	1513	0	0.00	0	68.9	68.9	68.9	
1-2 PM	1408	0.0	OFF	1408	0	0.00	0	69.0	69.0	69.0	
2-3 PM	1394	0.0	OFF	1394	0	0.00	0	69.0	69.0	69.0	
3-4 PM	1620	0.0	OFF	1620	0	0.00	0	68.7	68.7	68.7	
4-5 PM	1776	0.0	OFF	1776	0	0.00	0	68.5	68.5	68.5	
5-6 PM	1643	0.0	OFF	1643	0	0.00	0	68.7	68.7	68.7	
6-7 PM	1284	0.0	OFF	1284	0	0.00	0	69.1	69.1	69.1	
7-8 PM	889	0.0	1500	889	0	0.57	0	69.6	61.0	42.0	
8-9 PM	675	0.0	1500	675	0	0.55	0	69.9	61.5	42.8	
9-10 PM	534	0.0	1500	534	0	0.54	0	70.0	61.8	43.3	
10-11 PM	381	0.0	1500	381	0	0.52	0	70.2	62.2	44.0	
11PM-MID	201	0.0	1500	201	0	0.50	0	70.2	62.5	44.6	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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

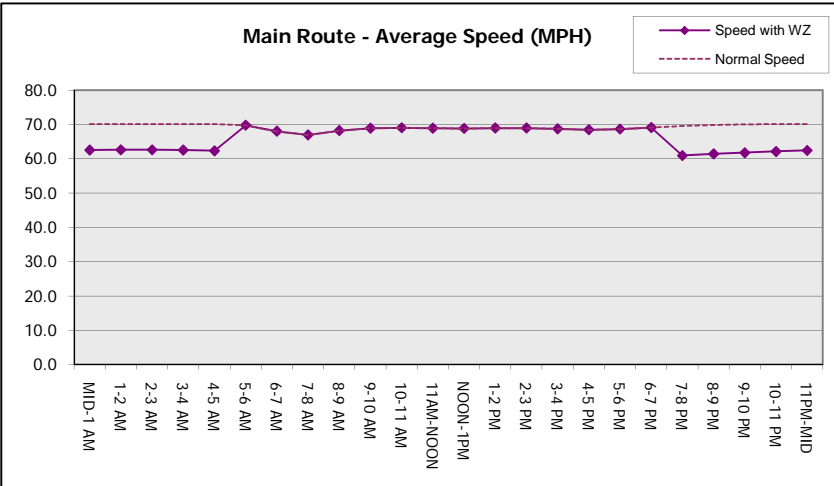
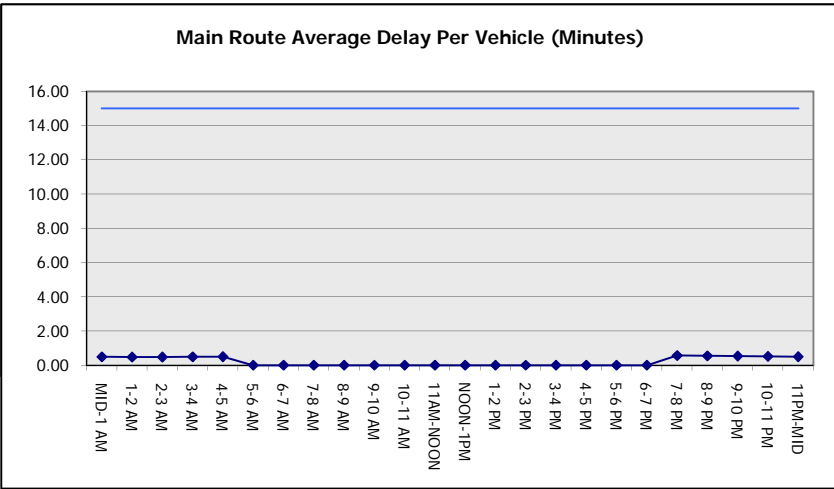
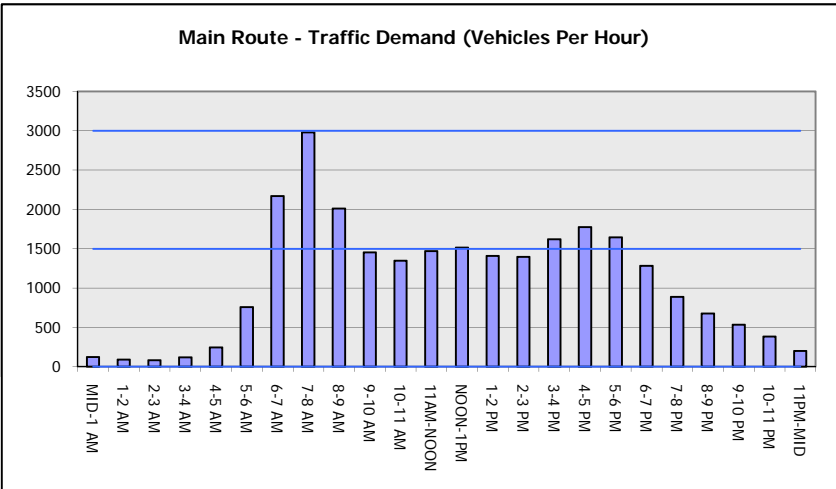
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0196
MAIN ROUTE WITH WORKS	0.0193
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$375
CONGESTED HOURS PER DAY*	0

*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	1500	198	0	0.50	0	70.2	62.5	44.7
1-2 AM	132	0.0	1500	132	0	0.49	0	70.2	62.5	45.0
2-3 AM	105	0.0	1500	105	0	0.49	0	70.2	62.6	45.1
3-4 AM	88	0.0	1500	88	0	0.48	0	70.2	62.7	45.1
4-5 AM	123	0.0	1500	123	0	0.49	0	70.2	62.6	45.0
5-6 AM	296	0.0	OFF	296	0	0.00	0	70.2	70.2	70.2
6-7 AM	723	0.0	OFF	723	0	0.00	0	69.9	69.9	69.9
7-8 AM	1138	0.0	OFF	1138	0	0.00	0	69.3	69.3	69.3
8-9 AM	948	0.0	OFF	948	0	0.00	0	69.6	69.6	69.6
9-10 AM	932	0.0	OFF	932	0	0.00	0	69.6	69.6	69.6
10-11 AM	1060	0.0	OFF	1060	0	0.00	0	69.4	69.4	69.4
11AM-NOON	1324	0.0	OFF	1324	0	0.00	0	69.1	69.1	69.1
NOON-1PM	1533	0.0	OFF	1533	0	0.00	0	68.8	68.8	68.8
1-2 PM	1553	0.0	OFF	1553	0	0.00	0	68.8	68.8	68.8
2-3 PM	1800	0.0	OFF	1800	0	0.00	0	68.5	68.5	68.5
3-4 PM	2352	0.0	OFF	2352	0	0.00	0	67.8	67.8	67.8
4-5 PM	3013	0.0	OFF	3013	0	0.00	0	67.0	67.0	67.0
5-6 PM	2917	0.0	OFF	2917	0	0.00	0	67.1	67.1	67.1
6-7 PM	1767	0.0	OFF	1767	0	0.00	0	68.6	68.6	68.6
7-8 PM	1328	0.0	1500	1328	0	0.87	0	69.1	56.9	34.8
8-9 PM	1181	0.0	1500	1181	0	0.68	0	69.2	59.3	39.1
9-10 PM	942	0.0	1500	942	0	0.58	0	69.6	60.9	41.9
10-11 PM	574	0.0	1500	574	0	0.54	0	70.0	61.7	43.2
11PM-MID	389	0.0	1500	389	0	0.52	0	70.2	62.1	43.9

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0194
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$699
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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