

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

SATURDAY 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	205	0.0	1500	205	0	0.50	0	70.2	62.4	44.6	
1-2 AM	121	0.0	1500	121	0	0.49	0	70.2	62.6	45.0	
2-3 AM	115	0.0	1500	115	0	0.49	0	70.2	62.6	45.0	
3-4 AM	96	0.0	1500	96	0	0.48	0	70.2	62.6	45.1	
4-5 AM	135	0.0	1500	135	0	0.49	0	70.2	62.5	45.0	
5-6 AM	274	0.0	1500	274	0	0.51	0	70.2	62.3	44.4	
6-7 AM	510	0.0	1500	510	0	0.53	0	70.1	61.9	43.5	
7-8 AM	833	0.0	1500	833	0	0.57	0	69.7	61.1	42.3	
8-9 AM	1187	0.0	OFF	1187	0	0.00	0	69.2	69.2	69.2	
9-10 AM	1541	0.0	OFF	1541	0	0.00	0	68.8	68.8	68.8	
10-11 AM	1783	0.0	OFF	1783	0	0.00	0	68.5	68.5	68.5	
11AM-NOON	1963	0.0	OFF	1963	0	0.00	0	68.3	68.3	68.3	
NOON-1PM	1900	0.0	OFF	1900	0	0.00	0	68.4	68.4	68.4	
1-2 PM	1788	0.0	OFF	1788	0	0.00	0	68.5	68.5	68.5	
2-3 PM	1630	0.0	OFF	1630	0	0.00	0	68.7	68.7	68.7	
3-4 PM	1549	0.0	OFF	1549	0	0.00	0	68.8	68.8	68.8	
4-5 PM	1489	0.0	OFF	1489	0	0.00	0	68.9	68.9	68.9	
5-6 PM	1397	0.0	OFF	1397	0	0.00	0	69.0	69.0	69.0	
6-7 PM	1337	0.0	1500	1337	0	0.89	0	69.1	56.8	34.5	
7-8 PM	969	0.0	1500	969	0	0.58	0	69.6	60.8	41.8	
8-9 PM	772	0.0	1500	772	0	0.56	0	69.8	61.2	42.5	
9-10 PM	626	0.0	1500	626	0	0.55	0	69.9	61.6	43.0	
10-11 PM	475	0.0	1500	475	0	0.53	0	70.2	62.0	43.6	
11PM-MID	324	0.0	1500	324	0	0.51	0	70.2	62.2	44.2	

"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	0.0172
MAIN ROUTE WITH WORKS	0.0168
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,000
CONGESTED HOURS PER DAY*	0

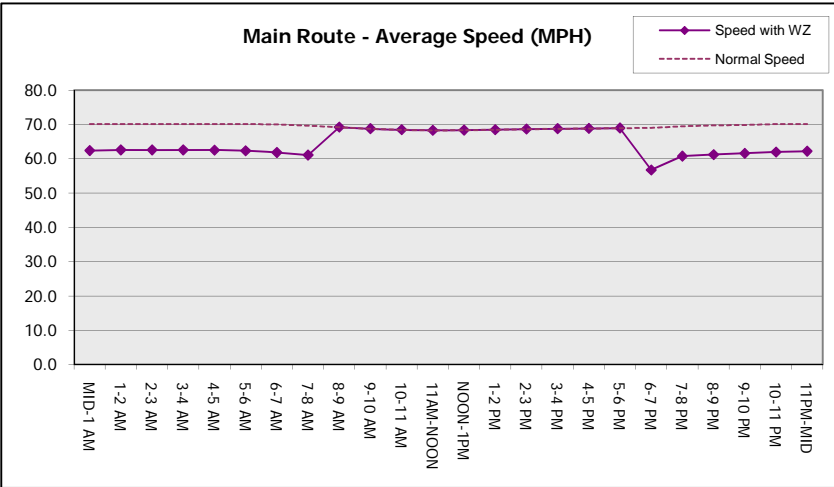
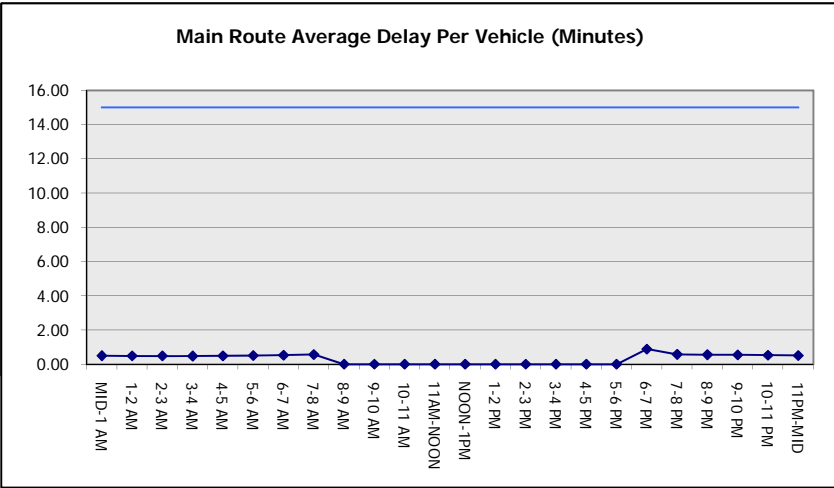
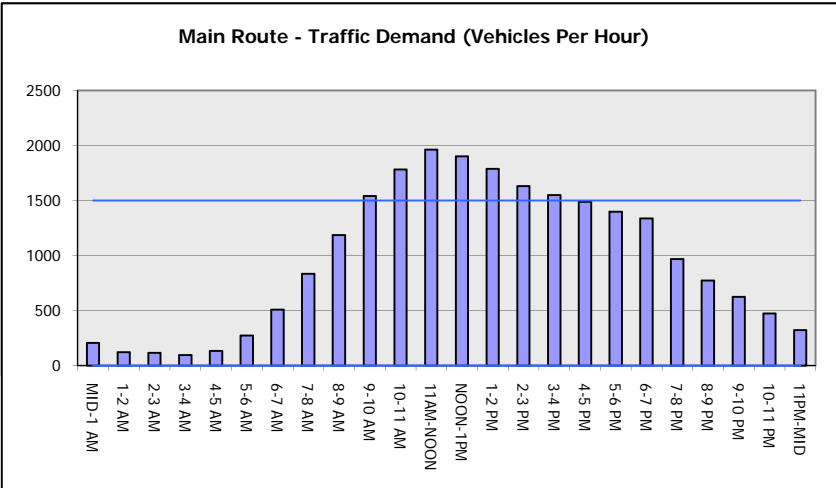
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	378	0.0	1500	378	0	0.52	0	70.2	62.2	44.0
1-2 AM	212	0.0	1500	212	0	0.50	0	70.2	62.4	44.6
2-3 AM	197	0.0	1500	197	0	0.50	0	70.2	62.5	44.7
3-4 AM	117	0.0	1500	117	0	0.49	0	70.2	62.6	45.0
4-5 AM	103	0.0	1500	103	0	0.48	0	70.2	62.6	45.1
5-6 AM	133	0.0	1500	133	0	0.49	0	70.2	62.5	45.0
6-7 AM	282	0.0	1500	282	0	0.51	0	70.2	62.3	44.3
7-8 AM	487	0.0	1500	487	0	0.53	0	70.1	61.9	43.5
8-9 AM	728	0.0	OFF	728	0	0.00	0	69.8	69.8	69.8
9-10 AM	1044	0.0	OFF	1044	0	0.00	0	69.4	69.4	69.4
10-11 AM	1377	0.0	OFF	1377	0	0.00	0	69.0	69.0	69.0
11AM-NOON	1556	0.0	OFF	1556	0	0.00	0	68.8	68.8	68.8
NOON-1PM	1697	0.0	OFF	1697	0	0.00	0	68.6	68.6	68.6
1-2 PM	1752	0.0	OFF	1752	0	0.00	0	68.6	68.6	68.6
2-3 PM	1875	0.0	OFF	1875	0	0.00	0	68.4	68.4	68.4
3-4 PM	1853	0.0	OFF	1853	0	0.00	0	68.4	68.4	68.4
4-5 PM	1797	0.0	OFF	1797	0	0.00	0	68.5	68.5	68.5
5-6 PM	1611	0.0	OFF	1611	0	0.00	0	68.7	68.7	68.7
6-7 PM	1381	0.0	1500	1381	0	0.94	0	69.0	56.1	33.4
7-8 PM	1189	0.0	1500	1189	0	0.69	0	69.2	59.2	38.8
8-9 PM	1185	0.0	1500	1185	0	0.69	0	69.2	59.2	38.9
9-10 PM	1027	0.0	1500	1027	0	0.59	0	69.4	60.6	41.6
10-11 PM	722	0.0	1500	722	0	0.56	0	69.9	61.4	42.7
11PM-MID	622	0.0	1500	622	0	0.55	0	70.0	61.6	43.0

"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	0.0174
MAIN ROUTE WITH WORKS	0.0169
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,265
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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