

USH 151: IH 39 TO STH 19 (DANE COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE SEGMENT)	AUGUST
	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	257	0.0	1500	257	0	0.50	0	70.2	62.3	44.5	
1-2 AM	149	0.0	1500	149	0	0.49	0	70.2	62.5	44.9	
2-3 AM	146	0.0	1500	146	0	0.49	0	70.2	62.5	44.9	
3-4 AM	103	0.0	1500	103	0	0.48	0	70.2	62.6	45.1	
4-5 AM	156	0.0	1500	156	0	0.49	0	70.2	62.5	44.8	
5-6 AM	255	0.0	1500	255	0	0.50	0	70.2	62.3	44.5	
6-7 AM	548	0.0	1500	548	0	0.54	0	70.0	61.8	43.3	
7-8 AM	818	0.0	1500	818	0	0.57	0	69.7	61.1	42.4	
8-9 AM	1145	0.0	OFF	1145	0	0.00	0	69.3	69.3	69.3	
9-10 AM	1507	0.0	OFF	1507	0	0.00	0	68.9	68.9	68.9	
10-11 AM	1798	0.0	OFF	1798	0	0.00	0	68.5	68.5	68.5	
11AM-NOON	1890	0.0	OFF	1890	0	0.00	0	68.4	68.4	68.4	
NOON-1PM	1834	0.0	OFF	1834	0	0.00	0	68.4	68.4	68.4	
1-2 PM	1706	0.0	OFF	1706	0	0.00	0	68.6	68.6	68.6	
2-3 PM	1663	0.0	OFF	1663	0	0.00	0	68.7	68.7	68.7	
3-4 PM	1598	0.0	OFF	1598	0	0.00	0	68.7	68.7	68.7	
4-5 PM	1535	0.0	OFF	1535	0	0.00	0	68.8	68.8	68.8	
5-6 PM	1396	0.0	OFF	1396	0	0.00	0	69.0	69.0	69.0	
6-7 PM	1344	0.0	1500	1344	0	0.89	0	69.1	56.6	34.3	
7-8 PM	1029	0.0	1500	1029	0	0.59	0	69.4	60.6	41.5	
8-9 PM	878	0.0	1500	878	0	0.57	0	69.6	61.0	42.1	
9-10 PM	736	0.0	1500	736	0	0.56	0	69.8	61.4	42.6	
10-11 PM	610	0.0	1500	610	0	0.54	0	70.0	61.6	43.1	
11PM-MID	418	0.0	1500	418	0	0.52	0	70.2	62.1	43.8	

"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	0.0176
MAIN ROUTE WITH WORKS	0.0171
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,094
CONGESTED HOURS PER DAY*	0

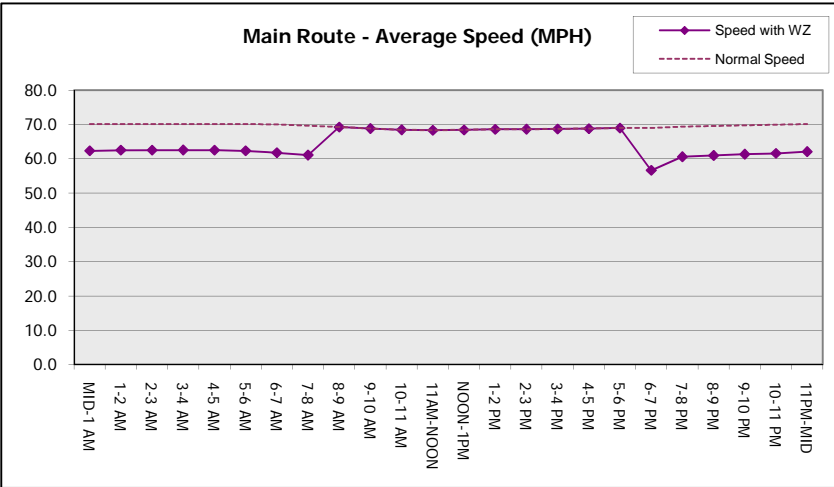
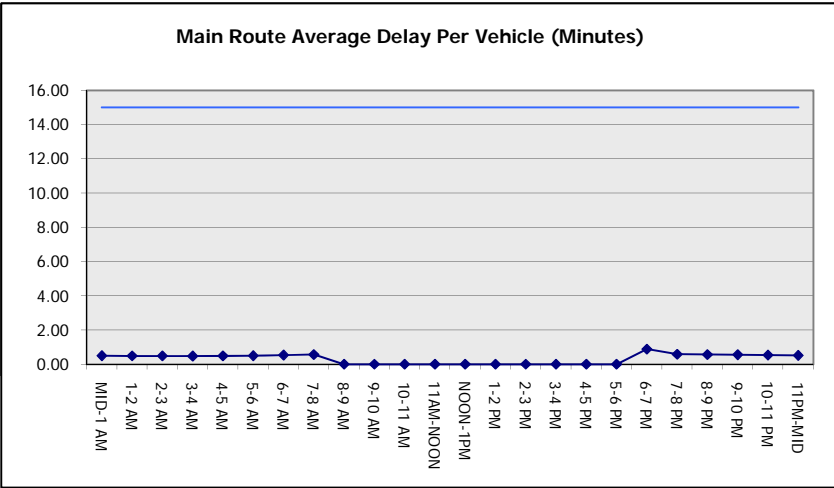
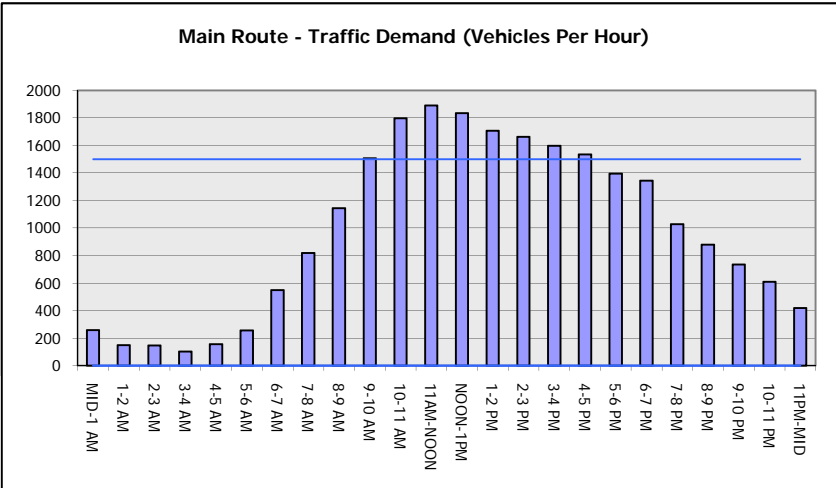
*Delays Exceeding User-Specified Maximum

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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	374	0.0	1500	374	0	0.52	0	70.2	62.2	44.0
1-2 AM	232	0.0	1500	232	0	0.50	0	70.2	62.4	44.5
2-3 AM	203	0.0	1500	203	0	0.50	0	70.2	62.4	44.6
3-4 AM	139	0.0	1500	139	0	0.49	0	70.2	62.5	44.9
4-5 AM	103	0.0	1500	103	0	0.48	0	70.2	62.6	45.1
5-6 AM	163	0.0	1500	163	0	0.49	0	70.2	62.5	44.8
6-7 AM	314	0.0	1500	314	0	0.51	0	70.2	62.2	44.2
7-8 AM	577	0.0	1500	577	0	0.54	0	70.0	61.7	43.2
8-9 AM	815	0.0	OFF	815	0	0.00	0	69.7	69.7	69.7
9-10 AM	1111	0.0	OFF	1111	0	0.00	0	69.4	69.4	69.4
10-11 AM	1442	0.0	OFF	1442	0	0.00	0	68.9	68.9	68.9
11AM-NOON	1706	0.0	OFF	1706	0	0.00	0	68.6	68.6	68.6
NOON-1PM	1895	0.0	OFF	1895	0	0.00	0	68.4	68.4	68.4
1-2 PM	1861	0.0	OFF	1861	0	0.00	0	68.4	68.4	68.4
2-3 PM	1881	0.0	OFF	1881	0	0.00	0	68.4	68.4	68.4
3-4 PM	1887	0.0	OFF	1887	0	0.00	0	68.4	68.4	68.4
4-5 PM	1842	0.0	OFF	1842	0	0.00	0	68.4	68.4	68.4
5-6 PM	1695	0.0	OFF	1695	0	0.00	0	68.6	68.6	68.6
6-7 PM	1396	0.0	1500	1396	0	0.96	0	69.0	55.8	33.1
7-8 PM	1191	0.0	1500	1191	0	0.70	0	69.2	59.1	38.8
8-9 PM	1171	0.0	1500	1171	0	0.67	0	69.3	59.5	39.4
9-10 PM	1017	0.0	1500	1017	0	0.59	0	69.5	60.7	41.6
10-11 PM	740	0.0	1500	740	0	0.56	0	69.8	61.3	42.6
11PM-MID	590	0.0	1500	590	0	0.54	0	70.0	61.7	43.2

"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	0.0182
MAIN ROUTE WITH WORKS	0.0177
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,291
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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