

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

FRIDAY 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	133	0.0	1500	133	0	0.49	0	70.2	62.5	45.0
1-2 AM	105	0.0	1500	105	0	0.49	0	70.2	62.6	45.1
2-3 AM	84	0.0	1500	84	0	0.48	0	70.2	62.7	45.1
3-4 AM	125	0.0	1500	125	0	0.49	0	70.2	62.6	45.0
4-5 AM	251	0.0	1500	251	0	0.50	0	70.2	62.3	44.5
5-6 AM	722	0.0	OFF	722	0	0.00	0	69.9	69.9	69.9
6-7 AM	2025	0.0	OFF	2025	0	0.00	0	68.2	68.2	68.2
7-8 AM	2839	0.0	OFF	2839	0	0.00	0	67.2	67.2	67.2
8-9 AM	2015	0.0	OFF	2015	0	0.00	0	68.2	68.2	68.2
9-10 AM	1564	0.0	OFF	1564	0	0.00	0	68.8	68.8	68.8
10-11 AM	1554	0.0	OFF	1554	0	0.00	0	68.8	68.8	68.8
11AM-NOON	1719	0.0	OFF	1719	0	0.00	0	68.6	68.6	68.6
NOON-1PM	1712	0.0	OFF	1712	0	0.00	0	68.6	68.6	68.6
1-2 PM	1663	0.0	OFF	1663	0	0.00	0	68.7	68.7	68.7
2-3 PM	1680	0.0	OFF	1680	0	0.00	0	68.6	68.6	68.6
3-4 PM	1896	0.0	OFF	1896	0	0.00	0	68.4	68.4	68.4
4-5 PM	1933	0.0	OFF	1933	0	0.00	0	68.3	68.3	68.3
5-6 PM	1919	0.0	OFF	1919	0	0.00	0	68.4	68.4	68.4
6-7 PM	1656	0.0	OFF	1656	0	0.00	0	68.7	68.7	68.7
7-8 PM	1185	0.0	1500	1185	0	0.69	0	69.2	59.2	38.9
8-9 PM	803	0.0	1500	803	0	0.57	0	69.7	61.2	42.4
9-10 PM	616	0.0	1500	616	0	0.55	0	70.0	61.6	43.1
10-11 PM	481	0.0	1500	481	0	0.53	0	70.1	62.0	43.6
11PM-MID	316	0.0	1500	316	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

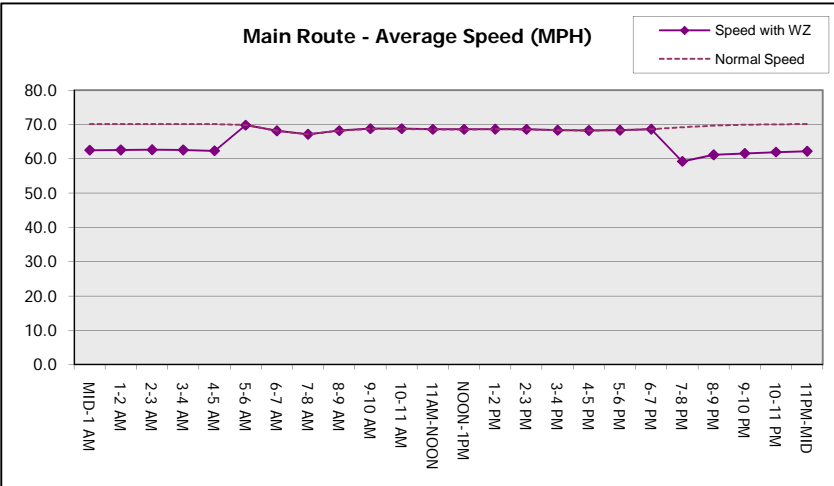
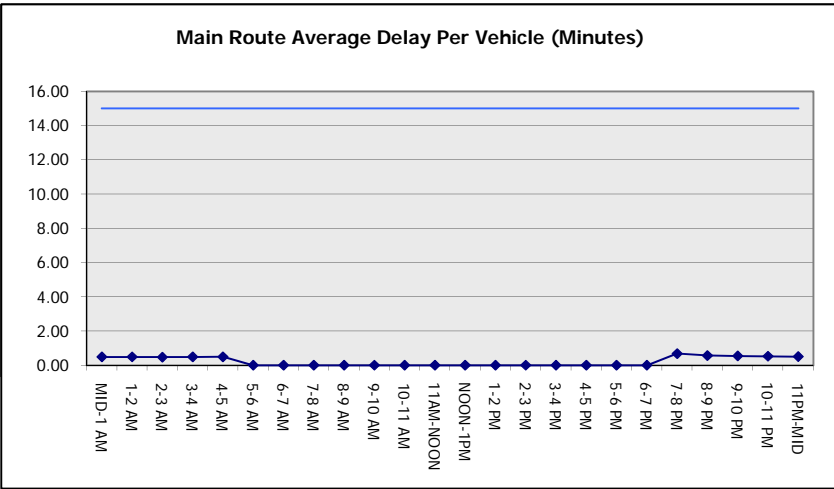
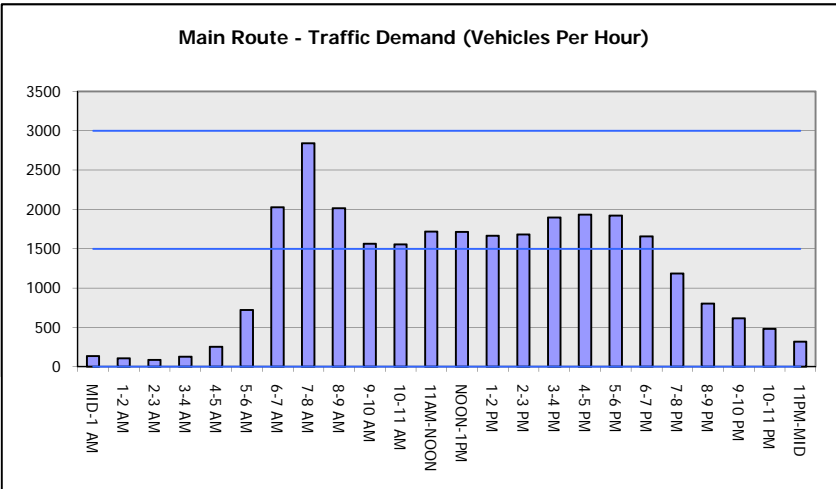
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0217
MAIN ROUTE WITH WORKS	0.0214
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$518
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	263	0.0	1500	263	0	0.50	0	70.2	62.3	44.4
1-2 AM	169	0.0	1500	169	0	0.49	0	70.2	62.5	44.8
2-3 AM	148	0.0	1500	148	0	0.49	0	70.2	62.5	44.9
3-4 AM	106	0.0	1500	106	0	0.49	0	70.2	62.6	45.1
4-5 AM	129	0.0	1500	129	0	0.49	0	70.2	62.6	45.0
5-6 AM	280	0.0	OFF	280	0	0.00	0	70.2	70.2	70.2
6-7 AM	701	0.0	OFF	701	0	0.00	0	69.9	69.9	69.9
7-8 AM	1077	0.0	OFF	1077	0	0.00	0	69.4	69.4	69.4
8-9 AM	986	0.0	OFF	986	0	0.00	0	69.5	69.5	69.5
9-10 AM	1089	0.0	OFF	1089	0	0.00	0	69.4	69.4	69.4
10-11 AM	1307	0.0	OFF	1307	0	0.00	0	69.1	69.1	69.1
11AM-NOON	1581	0.0	OFF	1581	0	0.00	0	68.7	68.7	68.7
NOON-1PM	1882	0.0	OFF	1882	0	0.00	0	68.4	68.4	68.4
1-2 PM	2000	0.0	OFF	2000	0	0.00	0	68.2	68.2	68.2
2-3 PM	2229	0.0	OFF	2229	0	0.00	0	67.9	67.9	67.9
3-4 PM	2714	0.0	OFF	2714	0	0.00	0	67.4	67.4	67.4
4-5 PM	2997	0.0	OFF	2997	0	0.00	0	67.0	67.0	67.0
5-6 PM	2825	0.0	OFF	2825	0	0.00	0	67.2	67.2	67.2
6-7 PM	1980	0.0	OFF	1980	0	0.00	0	68.2	68.2	68.2
7-8 PM	1496	0.0	1499	1496	0	1.74	17	68.9	48.4	31.3
8-9 PM	1357	0.0	1500	1357	0	0.91	0	69.1	56.4	34.0
9-10 PM	1193	0.0	1500	1193	0	0.70	0	69.2	59.1	38.7
10-11 PM	810	0.0	1500	810	0	0.57	0	69.7	61.2	42.4
11PM-MID	568	0.0	1500	568	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	0.0223
MAIN ROUTE WITH WORKS	0.0219
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,274
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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