

USH 151: IH 39 TO STH 19 (DANE COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE SEGMENT)	OCTOBER
	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	155	0.0	1500	155	0	0.49	0	70.2	62.5	44.8
1-2 AM	168	0.0	1500	168	0	0.49	0	70.2	62.5	44.8
2-3 AM	134	0.0	1500	134	0	0.49	0	70.2	62.5	45.0
3-4 AM	209	0.0	1500	209	0	0.50	0	70.2	62.4	44.6
4-5 AM	317	0.0	1500	317	0	0.51	0	70.2	62.2	44.2
5-6 AM	699	0.0	OFF	699	0	0.00	0	69.9	69.9	69.9
6-7 AM	1562	0.0	OFF	1562	0	0.00	0	68.8	68.8	68.8
7-8 AM	2316	0.0	OFF	2316	0	0.00	0	67.9	67.9	67.9
8-9 AM	1604	0.0	OFF	1604	0	0.00	0	68.7	68.7	68.7
9-10 AM	1143	0.0	OFF	1143	0	0.00	0	69.3	69.3	69.3
10-11 AM	1138	0.0	OFF	1138	0	0.00	0	69.3	69.3	69.3
11AM-NOON	1202	0.0	OFF	1202	0	0.00	0	69.2	69.2	69.2
NOON-1PM	1204	0.0	OFF	1204	0	0.00	0	69.2	69.2	69.2
1-2 PM	1187	0.0	OFF	1187	0	0.00	0	69.2	69.2	69.2
2-3 PM	1176	0.0	OFF	1176	0	0.00	0	69.2	69.2	69.2
3-4 PM	1272	0.0	OFF	1272	0	0.00	0	69.2	69.2	69.2
4-5 PM	1413	0.0	OFF	1413	0	0.00	0	69.0	69.0	69.0
5-6 PM	1352	0.0	OFF	1352	0	0.00	0	69.1	69.1	69.1
6-7 PM	1174	0.0	OFF	1174	0	0.00	0	69.3	69.3	69.3
7-8 PM	758	0.0	1500	758	0	0.56	0	69.8	61.3	42.5
8-9 PM	547	0.0	1500	547	0	0.54	0	70.0	61.8	43.3
9-10 PM	442	0.0	1500	442	0	0.53	0	70.2	62.0	43.7
10-11 PM	317	0.0	1500	317	0	0.51	0	70.2	62.2	44.2
11PM-MID	275	0.0	1500	275	0	0.51	0	70.2	62.3	44.4

"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

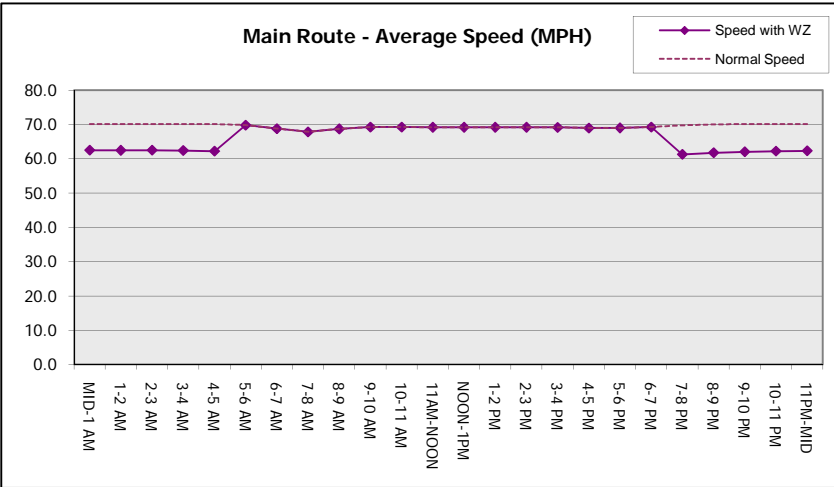
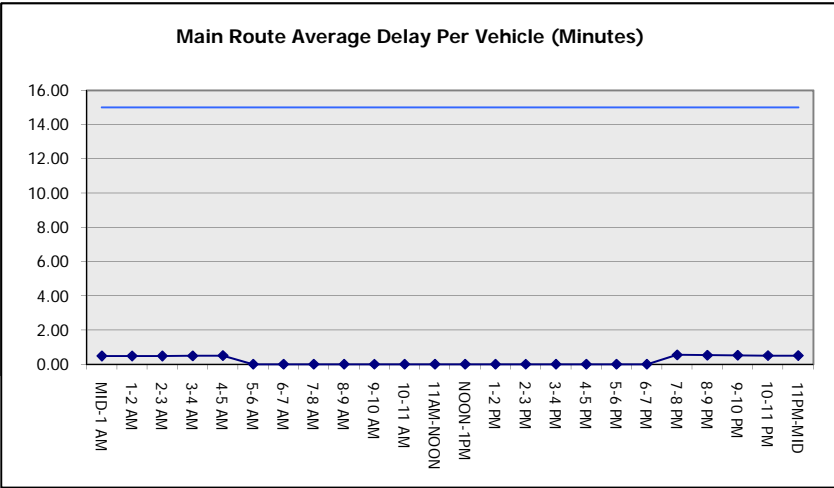
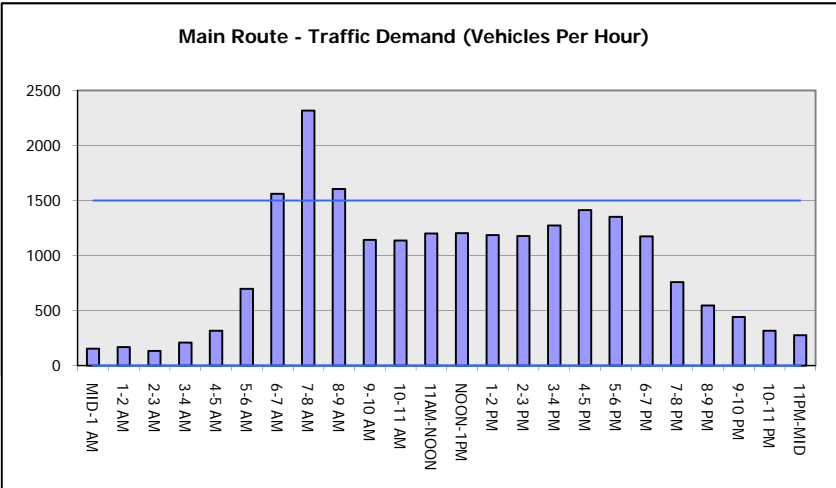
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0163
MAIN ROUTE WITH WORKS	0.0161
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$393
CONGESTED HOURS PER DAY*	0

*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	252	0.0	1500	252	0	0.50	0	70.2	62.3	44.5
1-2 AM	182	0.0	1500	182	0	0.49	0	70.2	62.5	44.8
2-3 AM	147	0.0	1500	147	0	0.49	0	70.2	62.5	44.9
3-4 AM	101	0.0	1500	101	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	310	0.0	OFF	310	0	0.00	0	70.2	70.2	70.2
6-7 AM	736	0.0	OFF	736	0	0.00	0	69.8	69.8	69.8
7-8 AM	1200	0.0	OFF	1200	0	0.00	0	69.2	69.2	69.2
8-9 AM	1011	0.0	OFF	1011	0	0.00	0	69.5	69.5	69.5
9-10 AM	1072	0.0	OFF	1072	0	0.00	0	69.4	69.4	69.4
10-11 AM	1263	0.0	OFF	1263	0	0.00	0	69.2	69.2	69.2
11AM-NOON	1644	0.0	OFF	1644	0	0.00	0	68.7	68.7	68.7
NOON-1PM	1937	0.0	OFF	1937	0	0.00	0	68.3	68.3	68.3
1-2 PM	2075	0.0	OFF	2075	0	0.00	0	68.2	68.2	68.2
2-3 PM	2444	0.0	OFF	2444	0	0.00	0	67.7	67.7	67.7
3-4 PM	2838	0.0	OFF	2838	0	0.00	0	67.2	67.2	67.2
4-5 PM	3175	0.0	OFF	3175	0	0.00	0	66.8	66.8	66.8
5-6 PM	3036	0.0	OFF	3036	0	0.00	0	66.9	66.9	66.9
6-7 PM	2130	0.0	OFF	2130	0	0.00	0	68.1	68.1	68.1
7-8 PM	1549	0.0	1499	1549	0	2.91	48	68.8	40.2	30.8
8-9 PM	1375	0.0	1499	1375	0	1.49	15	69.0	50.5	33.1
9-10 PM	1141	0.0	1500	1141	0	0.63	0	69.3	60.1	40.4
10-11 PM	841	0.0	1500	841	0	0.57	0	69.7	61.1	42.2
11PM-MID	631	0.0	1500	631	0	0.55	0	69.9	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	0.0233
MAIN ROUTE WITH WORKS	0.0229
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,913
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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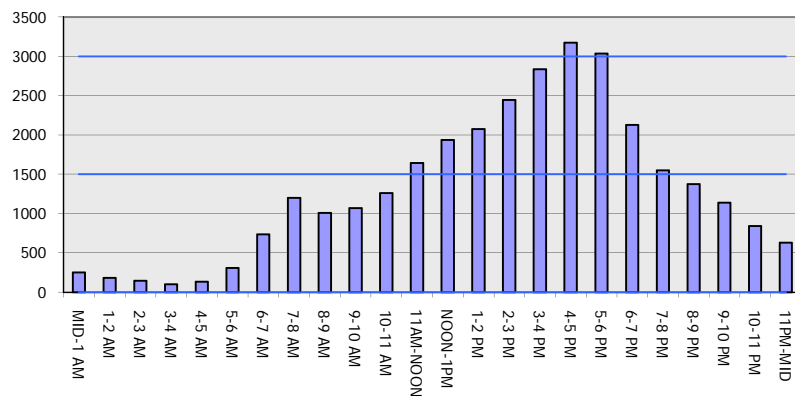
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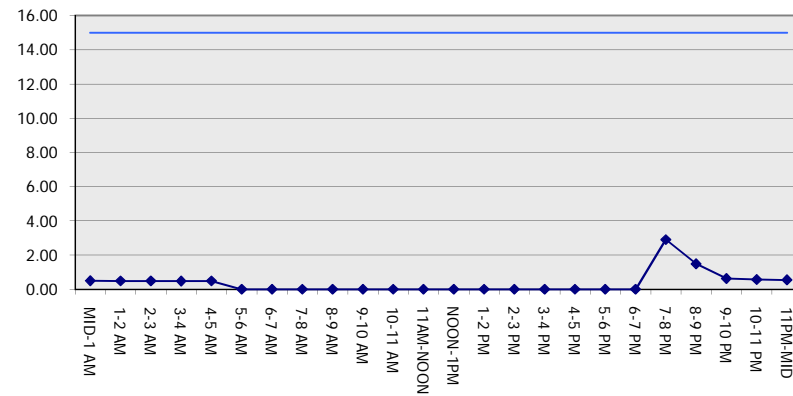
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY NORTHBOUND DIRECTION

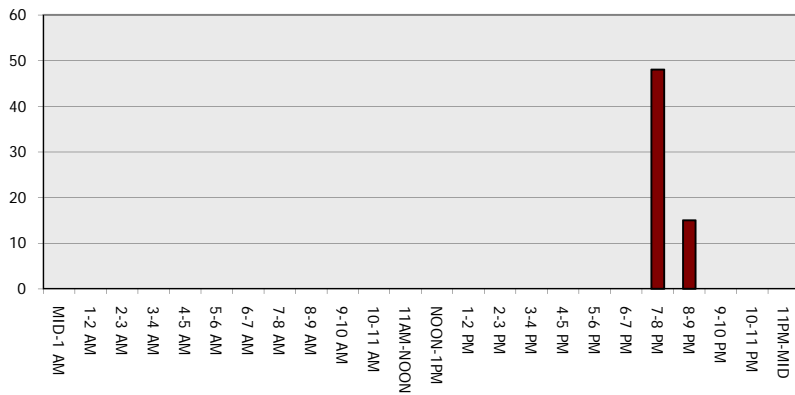
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

