

USH 151: IH 39 TO STH 19 (DANE COUNTY) CONTINUOUS (24 HOUR) 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	1500	758	0	0.56	0	69.8	61.3	42.5	
6-7 AM	2169	0.0	1499	1981	188	7.95+	230	68.1	23.3	30.8	
7-8 AM	2981	0.0	1500	1500	1481	16.24+	400	67.0	13.8	31.1	
8-9 AM	2012	0.0	1499	1439	573	16.10+	394	68.2	13.9	30.9	
9-10 AM	1452	0.0	1499	1402	50	15.34+	373	68.9	14.5	30.8	
10-11 AM	1348	0.0	1499	1348	0	10.32	245	69.1	19.6	30.8	
11AM-NOON	1469	0.0	1500	1469	0	6.82	149	68.9	25.8	30.8	
NOON-1PM	1513	0.0	1500	1513	0	6.75	148	68.9	26.0	30.8	
1-2 PM	1408	0.0	1499	1408	0	5.21	109	69.0	30.3	30.8	
2-3 PM	1394	0.0	1500	1394	0	1.45	13	69.0	50.9	32.5	
3-4 PM	1620	0.0	1499	1620	0	2.73	47	68.7	41.2	30.8	
4-5 PM	1776	0.0	1500	1776	0	10.35	257	68.5	19.5	30.8	
5-6 PM	1643	0.0	1499	1500	143	16.37+	399	68.7	13.8	30.8	
6-7 PM	1284	0.0	1499	1284	0	12.65	311	69.1	16.8	31.1	
7-8 PM	889	0.0	1500	889	0	1.31	30	69.6	52.6	41.8	
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	

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

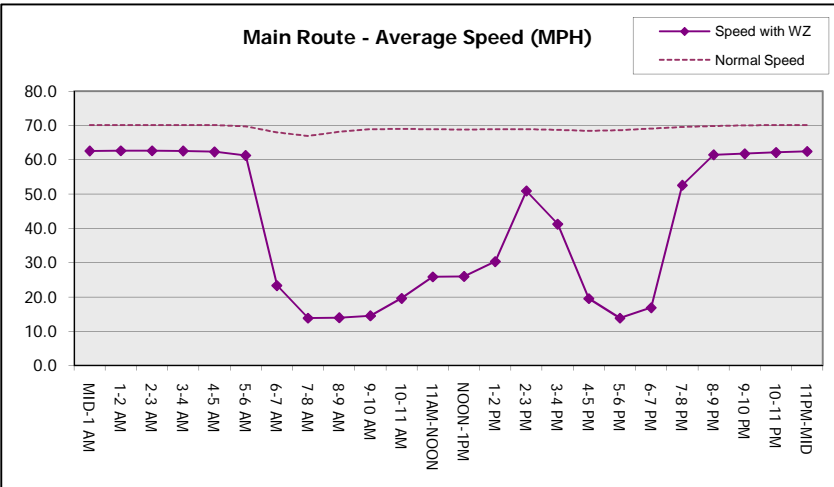
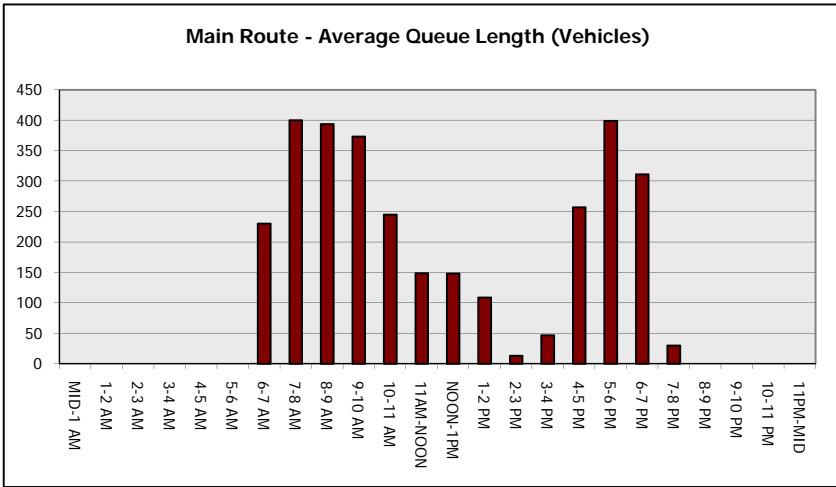
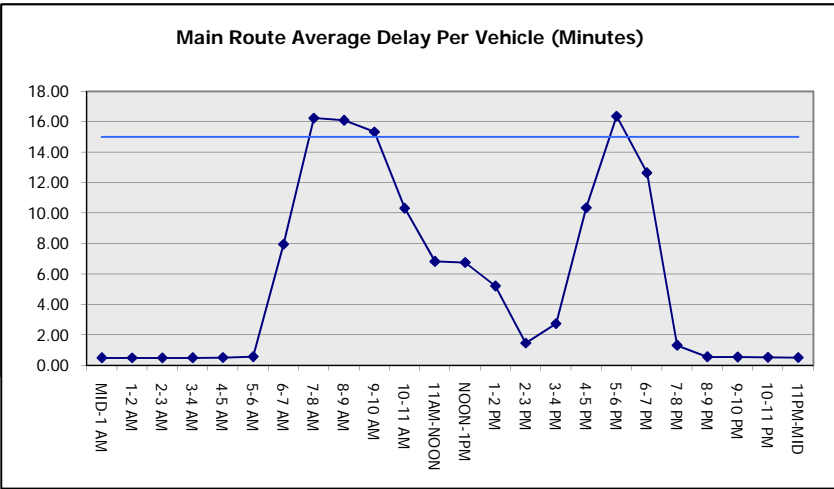
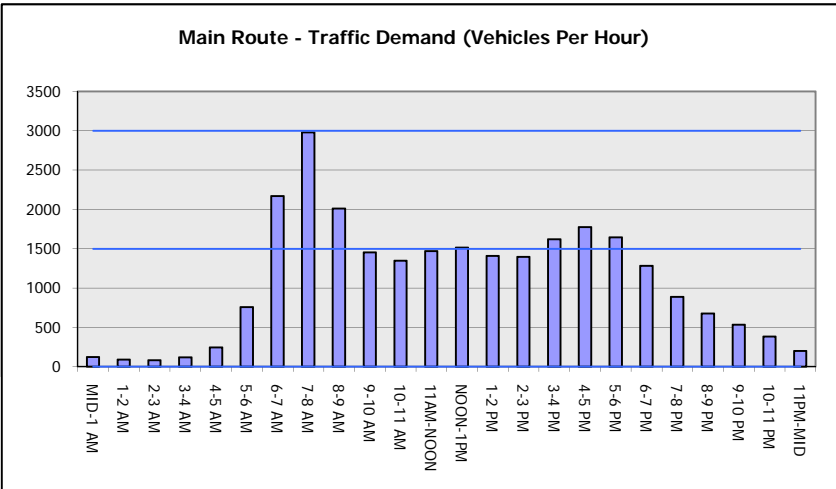
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0196
MAIN ROUTE WITH WORKS	0.0162
'DIVERSION'	0.0042
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$50,655
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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MAY
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Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR SOUTHBOUND DIRECTION



USH 151: IH 39 TO STH 19 (DANE COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE SEGMENT)	MAY
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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	1500	296	0	0.51	0	70.2	62.3	44.3
6-7 AM	723	0.0	1500	723	0	0.56	0	69.9	61.4	42.7
7-8 AM	1138	0.0	1500	1138	0	0.63	0	69.3	60.1	40.6
8-9 AM	948	0.0	1500	948	0	0.58	0	69.6	60.8	41.9
9-10 AM	932	0.0	1500	932	0	0.58	0	69.6	60.9	41.9
10-11 AM	1060	0.0	1500	1060	0	0.59	0	69.4	60.5	41.5
11AM-NOON	1324	0.0	1499	1324	0	0.87	0	69.1	56.9	34.9
NOON-1PM	1533	0.0	1499	1533	0	1.44	9	68.8	50.9	30.8
1-2 PM	1553	0.0	1499	1553	0	3.01	51	68.8	39.6	30.8
2-3 PM	1800	0.0	1500	1800	0	8.43	210	68.5	22.5	30.8
3-4 PM	2352	0.0	1499	1500	852	16.31+	399	67.8	13.8	30.8
4-5 PM	3013	0.0	1500	1500	1513	16.26+	400	67.0	13.8	30.8
5-6 PM	2917	0.0	1500	1500	1417	16.27+	400	67.1	13.8	30.8
6-7 PM	1767	0.0	1500	1510	256	16.31+	398	68.6	13.8	30.8
7-8 PM	1328	0.0	1499	1328	0	13.45+	328	69.1	16.1	30.8
8-9 PM	1181	0.0	1499	1181	0	3.14	88	69.2	39.1	36.0
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

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- 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	0.0153
'DIVERSION'	0.0070

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$46,331
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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