

USH 151: IH 39 TO STH 19 (DANE COUNTY) OFF-PEAK DAY 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	OFF	121	0	0.00	0	70.2	70.2	70.2	
1-2 AM	91	0.0	OFF	91	0	0.00	0	70.2	70.2	70.2	
2-3 AM	82	0.0	OFF	82	0	0.00	0	70.2	70.2	70.2	
3-4 AM	119	0.0	OFF	119	0	0.00	0	70.2	70.2	70.2	
4-5 AM	244	0.0	OFF	244	0	0.00	0	70.2	70.2	70.2	
5-6 AM	758	0.0	OFF	758	0	0.00	0	69.8	69.8	69.8	
6-7 AM	2169	0.0	OFF	2169	0	0.00	0	68.1	68.1	68.1	
7-8 AM	2981	0.0	OFF	2981	0	0.00	0	67.0	67.0	67.0	
8-9 AM	2012	0.0	OFF	2012	0	0.00	0	68.2	68.2	68.2	
9-10 AM	1452	0.0	OFF	1452	0	0.00	0	68.9	68.9	68.9	
10-11 AM	1348	0.0	1500	1348	0	0.90	0	69.1	56.6	34.2	
11AM-NOON	1469	0.0	1499	1469	0	1.06	0	68.9	54.7	31.4	
NOON-1PM	1513	0.0	1499	1513	0	1.41	8	68.9	51.2	30.8	
1-2 PM	1408	0.0	1500	1408	0	1.02	1	69.0	55.2	32.7	
2-3 PM	1394	0.0	1499	1394	0	0.96	0	69.0	55.9	33.2	
3-4 PM	1620	0.0	OFF	1620	0	0.00	0	68.7	68.7	68.7	
4-5 PM	1776	0.0	OFF	1776	0	0.00	0	68.5	68.5	68.5	
5-6 PM	1643	0.0	OFF	1643	0	0.00	0	68.7	68.7	68.7	
6-7 PM	1284	0.0	OFF	1284	0	0.00	0	69.1	69.1	69.1	
7-8 PM	889	0.0	OFF	889	0	0.00	0	69.6	69.6	69.6	
8-9 PM	675	0.0	OFF	675	0	0.00	0	69.9	69.9	69.9	
9-10 PM	534	0.0	OFF	534	0	0.00	0	70.0	70.0	70.0	
10-11 PM	381	0.0	OFF	381	0	0.00	0	70.2	70.2	70.2	
11PM-MID	201	0.0	OFF	201	0	0.00	0	70.2	70.2	70.2	

"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

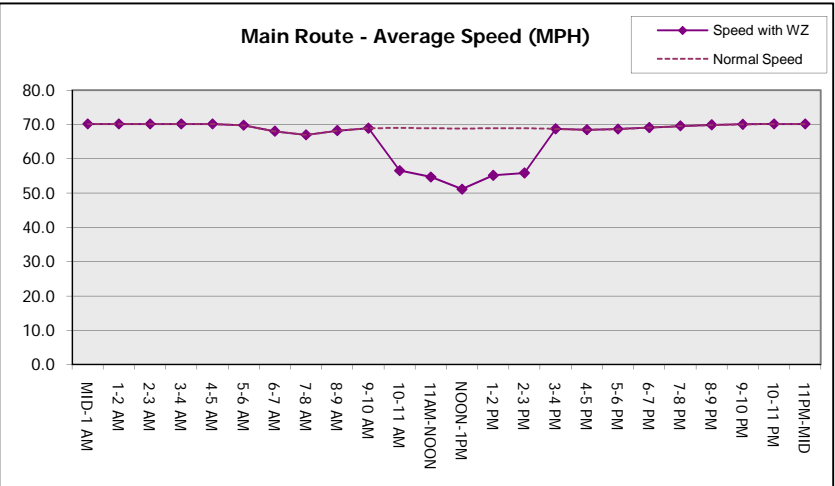
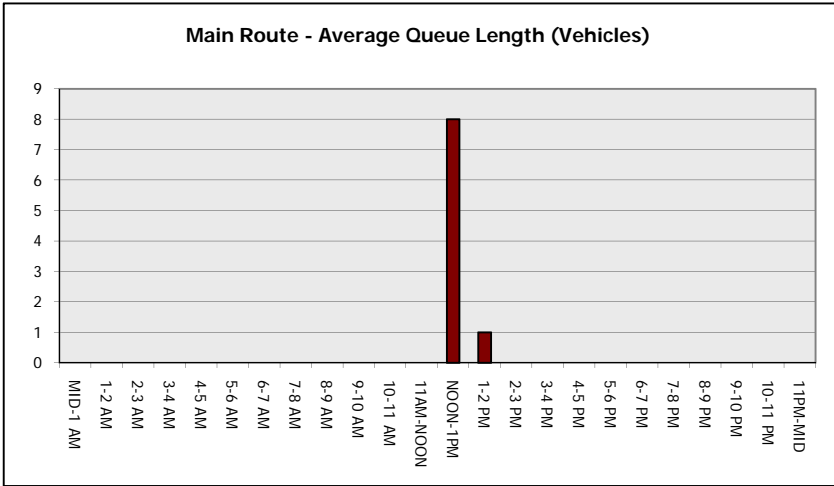
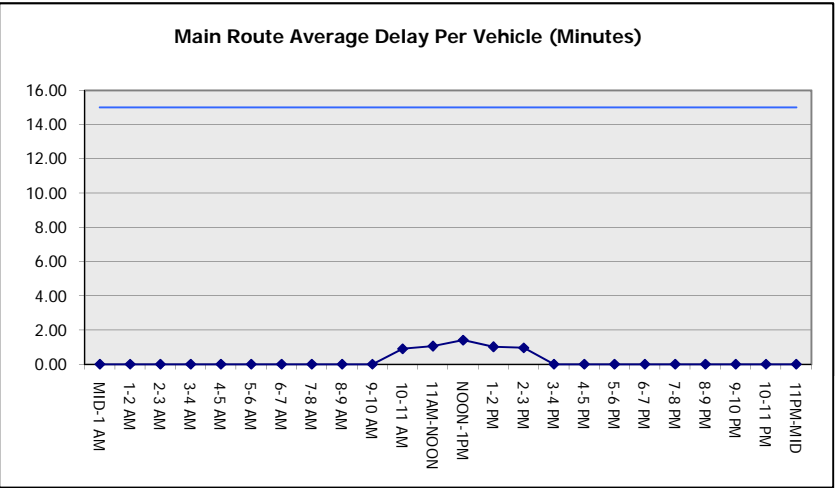
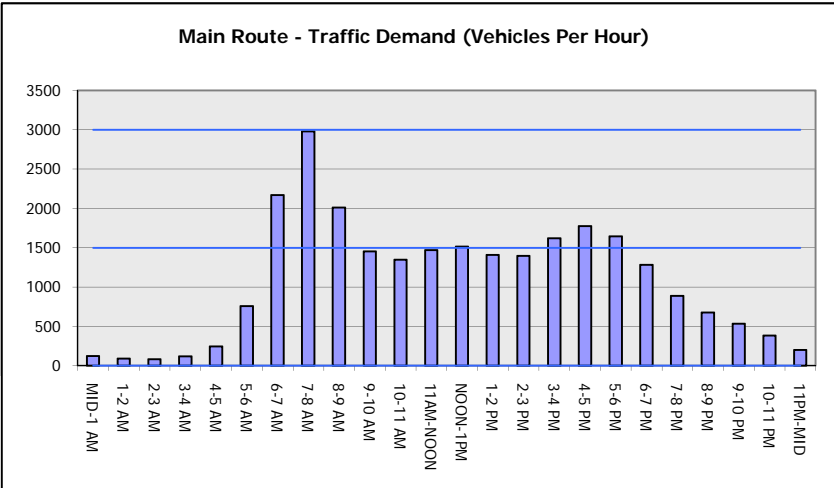
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0196
MAIN ROUTE WITH WORKS	0.0191
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,430
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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



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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	OFF	198	0	0.00	0	70.2	70.2	70.2
1-2 AM	132	0.0	OFF	132	0	0.00	0	70.2	70.2	70.2
2-3 AM	105	0.0	OFF	105	0	0.00	0	70.2	70.2	70.2
3-4 AM	88	0.0	OFF	88	0	0.00	0	70.2	70.2	70.2
4-5 AM	123	0.0	OFF	123	0	0.00	0	70.2	70.2	70.2
5-6 AM	296	0.0	OFF	296	0	0.00	0	70.2	70.2	70.2
6-7 AM	723	0.0	OFF	723	0	0.00	0	69.9	69.9	69.9
7-8 AM	1138	0.0	OFF	1138	0	0.00	0	69.3	69.3	69.3
8-9 AM	948	0.0	OFF	948	0	0.00	0	69.6	69.6	69.6
9-10 AM	932	0.0	OFF	932	0	0.00	0	69.6	69.6	69.6
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	OFF	2352	0	0.23	20	67.8	64.2	64.2
4-5 PM	3013	0.0	OFF	3013	0	0.00	0	67.0	67.0	67.0
5-6 PM	2917	0.0	OFF	2917	0	0.00	0	67.1	67.1	67.1
6-7 PM	1767	0.0	OFF	1767	0	0.00	0	68.6	68.6	68.6
7-8 PM	1328	0.0	OFF	1328	0	0.00	0	69.1	69.1	69.1
8-9 PM	1181	0.0	OFF	1181	0	0.00	0	69.2	69.2	69.2
9-10 PM	942	0.0	OFF	942	0	0.00	0	69.6	69.6	69.6
10-11 PM	574	0.0	OFF	574	0	0.00	0	70.0	70.0	70.0
11PM-MID	389	0.0	OFF	389	0	0.00	0	70.2	70.2	70.2

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0197
MAIN ROUTE WITH WORKS	0.0193
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$4,541
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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