

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

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	205	0.0	OFF	205	0	0.00	0	70.2	70.2	70.2	
1-2 AM	121	0.0	OFF	121	0	0.00	0	70.2	70.2	70.2	
2-3 AM	115	0.0	OFF	115	0	0.00	0	70.2	70.2	70.2	
3-4 AM	96	0.0	OFF	96	0	0.00	0	70.2	70.2	70.2	
4-5 AM	135	0.0	OFF	135	0	0.00	0	70.2	70.2	70.2	
5-6 AM	274	0.0	OFF	274	0	0.00	0	70.2	70.2	70.2	
6-7 AM	510	0.0	OFF	510	0	0.00	0	70.1	70.1	70.1	
7-8 AM	833	0.0	OFF	833	0	0.00	0	69.7	69.7	69.7	
8-9 AM	1187	0.0	1499	1187	0	0.70	0	69.2	59.1	38.8	
9-10 AM	1541	0.0	1499	1541	0	1.57	14	68.8	49.8	31.1	
10-11 AM	1783	0.0	1500	1783	0	7.51	185	68.5	24.2	30.8	
11AM-NOON	1963	0.0	1499	1517	446	16.27+	398	68.3	13.8	30.8	
NOON-1PM	1900	0.0	1500	1500	400	16.35+	400	68.4	13.8	30.8	
1-2 PM	1788	0.0	1500	1515	274	16.29+	398	68.5	13.8	30.8	
2-3 PM	1630	0.0	1500	1516	115	16.29+	398	68.7	13.8	30.8	
3-4 PM	1549	0.0	1500	1509	40	16.33+	398	68.8	13.8	30.8	
4-5 PM	1489	0.0	1500	1489	0	16.22+	395	68.9	13.8	30.8	
5-6 PM	1397	0.0	1499	1397	0	13.98	338	69.0	15.6	30.8	
6-7 PM	1337	0.0	OFF	1337	0	0.11	8	69.1	67.3	67.3	
7-8 PM	969	0.0	OFF	969	0	0.00	0	69.6	69.6	69.6	
8-9 PM	772	0.0	OFF	772	0	0.00	0	69.8	69.8	69.8	
9-10 PM	626	0.0	OFF	626	0	0.00	0	69.9	69.9	69.9	
10-11 PM	475	0.0	OFF	475	0	0.00	0	70.2	70.2	70.2	
11PM-MID	324	0.0	OFF	324	0	0.00	0	70.2	70.2	70.2	

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

+ 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

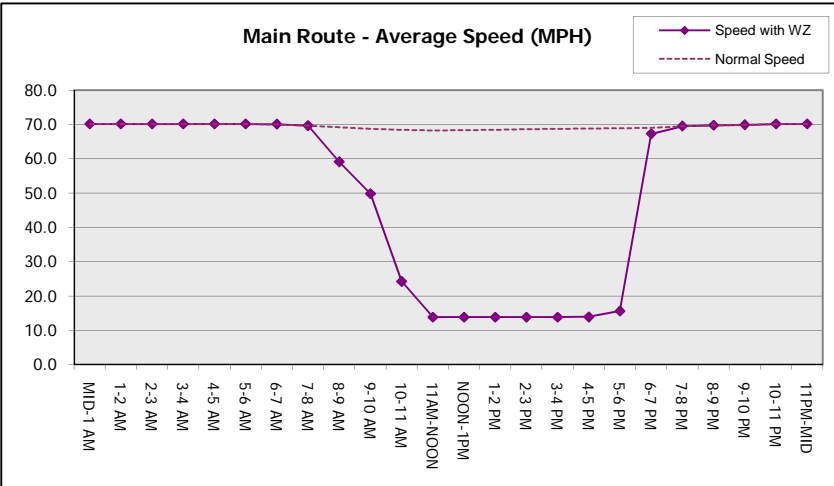
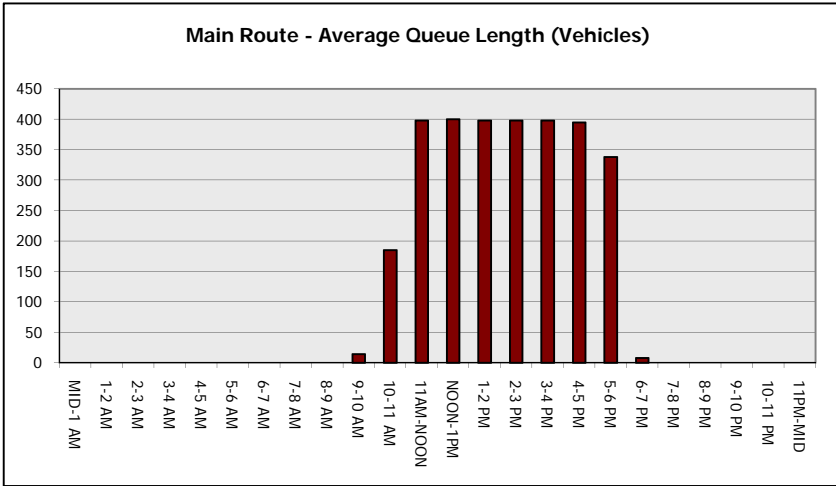
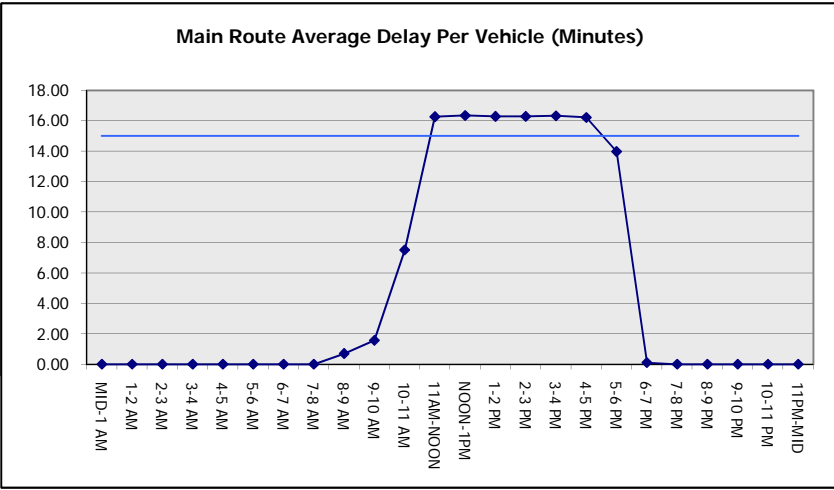
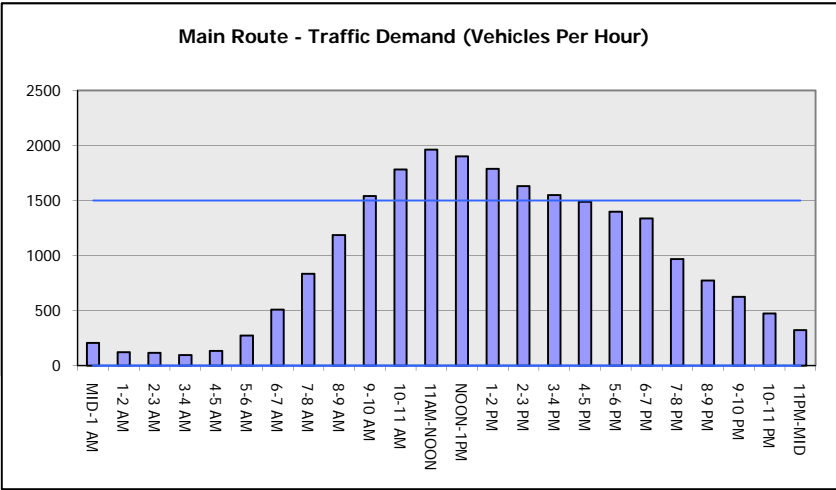
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0172
MAIN ROUTE WITH WORKS	0.0153
'DIVERSION'	0.0022
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$55,622
CONGESTED HOURS PER DAY*	6

*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	378	0.0	OFF	378	0	0.00	0	70.2	70.2	70.2
1-2 AM	212	0.0	OFF	212	0	0.00	0	70.2	70.2	70.2
2-3 AM	197	0.0	OFF	197	0	0.00	0	70.2	70.2	70.2
3-4 AM	117	0.0	OFF	117	0	0.00	0	70.2	70.2	70.2
4-5 AM	103	0.0	OFF	103	0	0.00	0	70.2	70.2	70.2
5-6 AM	133	0.0	OFF	133	0	0.00	0	70.2	70.2	70.2
6-7 AM	282	0.0	OFF	282	0	0.00	0	70.2	70.2	70.2
7-8 AM	487	0.0	OFF	487	0	0.00	0	70.1	70.1	70.1
8-9 AM	728	0.0	1500	728	0	0.56	0	69.8	61.4	42.7
9-10 AM	1044	0.0	1500	1044	0	0.59	0	69.4	60.6	41.5
10-11 AM	1377	0.0	1499	1377	0	0.94	0	69.0	56.1	33.6
11AM-NOON	1556	0.0	1499	1556	0	1.73	17	68.8	48.4	30.8
NOON-1PM	1697	0.0	1500	1697	0	6.40	148	68.6	26.8	30.8
1-2 PM	1752	0.0	1500	1615	137	14.46+	355	68.6	15.2	30.8
2-3 PM	1875	0.0	1500	1500	375	16.35+	400	68.4	13.8	30.8
3-4 PM	1853	0.0	1500	1500	353	16.35+	400	68.4	13.8	30.8
4-5 PM	1797	0.0	1500	1500	297	16.35+	400	68.5	13.8	30.8
5-6 PM	1611	0.0	1500	1524	87	16.25+	397	68.7	13.8	30.8
6-7 PM	1381	0.0	OFF	1381	0	0.20	16	69.0	65.9	65.9
7-8 PM	1189	0.0	OFF	1189	0	0.00	0	69.2	69.2	69.2
8-9 PM	1185	0.0	OFF	1185	0	0.00	0	69.2	69.2	69.2
9-10 PM	1027	0.0	OFF	1027	0	0.00	0	69.4	69.4	69.4
10-11 PM	722	0.0	OFF	722	0	0.00	0	69.9	69.9	69.9
11PM-MID	622	0.0	OFF	622	0	0.00	0	70.0	70.0	70.0

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

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0174
MAIN ROUTE WITH WORKS	0.0156
'DIVERSION'	0.0022

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$42,984
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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