

USH 151: IH 39 TO STH 19 (DANE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE SEGMENT)	AUGUST
	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	175	0.0	OFF	175	0	0.00	0	70.2	70.2	70.2	
1-2 AM	147	0.0	OFF	147	0	0.00	0	70.2	70.2	70.2	
2-3 AM	102	0.0	OFF	102	0	0.00	0	70.2	70.2	70.2	
3-4 AM	131	0.0	OFF	131	0	0.00	0	70.2	70.2	70.2	
4-5 AM	269	0.0	OFF	269	0	0.00	0	70.2	70.2	70.2	
5-6 AM	748	0.0	OFF	748	0	0.00	0	69.8	69.8	69.8	
6-7 AM	2011	0.0	OFF	2011	0	0.00	0	68.2	68.2	68.2	
7-8 AM	2864	0.0	OFF	2864	0	0.00	0	67.2	67.2	67.2	
8-9 AM	1945	0.0	OFF	1945	0	0.00	0	68.3	68.3	68.3	
9-10 AM	1646	0.0	OFF	1646	0	0.00	0	68.7	68.7	68.7	
10-11 AM	1682	0.0	1499	1682	0	4.00	85	68.6	34.8	30.8	
11AM-NOON	1817	0.0	1500	1713	104	12.90+	320	68.5	16.6	30.8	
NOON-1PM	1871	0.0	1499	1500	371	16.35+	399	68.4	13.8	30.8	
1-2 PM	1803	0.0	1500	1500	303	16.35+	400	68.5	13.8	30.8	
2-3 PM	1843	0.0	1500	1500	343	16.35+	400	68.4	13.8	30.8	
3-4 PM	1831	0.0	OFF	1831	0	0.22	18	68.4	65.0	65.0	
4-5 PM	1921	0.0	OFF	1921	0	0.00	0	68.4	68.4	68.4	
5-6 PM	1896	0.0	OFF	1896	0	0.00	0	68.4	68.4	68.4	
6-7 PM	1676	0.0	OFF	1676	0	0.00	0	68.6	68.6	68.6	
7-8 PM	1290	0.0	OFF	1290	0	0.00	0	69.1	69.1	69.1	
8-9 PM	940	0.0	OFF	940	0	0.00	0	69.6	69.6	69.6	
9-10 PM	740	0.0	OFF	740	0	0.00	0	69.8	69.8	69.8	
10-11 PM	622	0.0	OFF	622	0	0.00	0	70.0	70.0	70.0	
11PM-MID	408	0.0	OFF	408	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	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

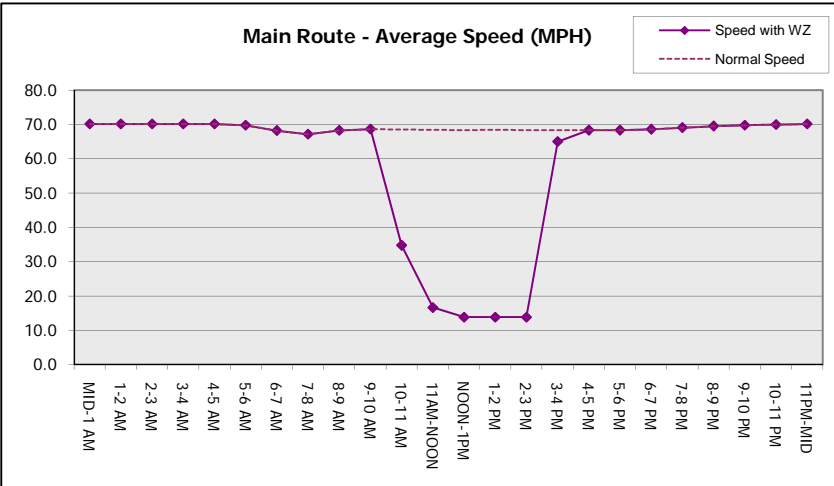
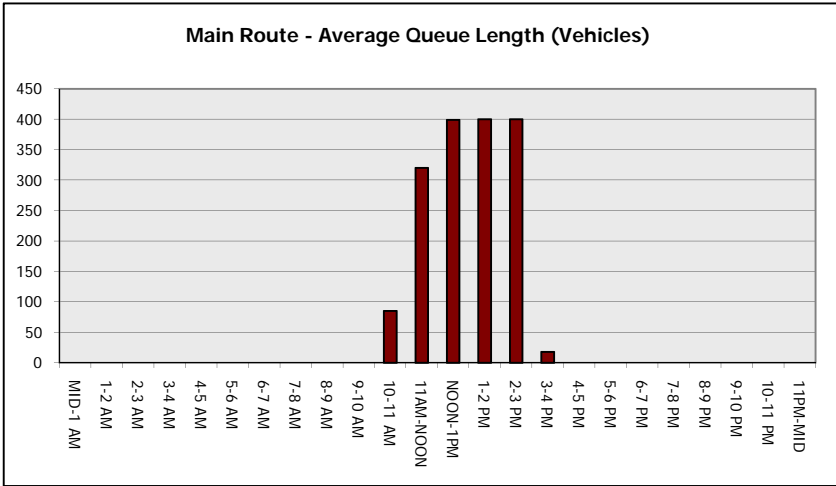
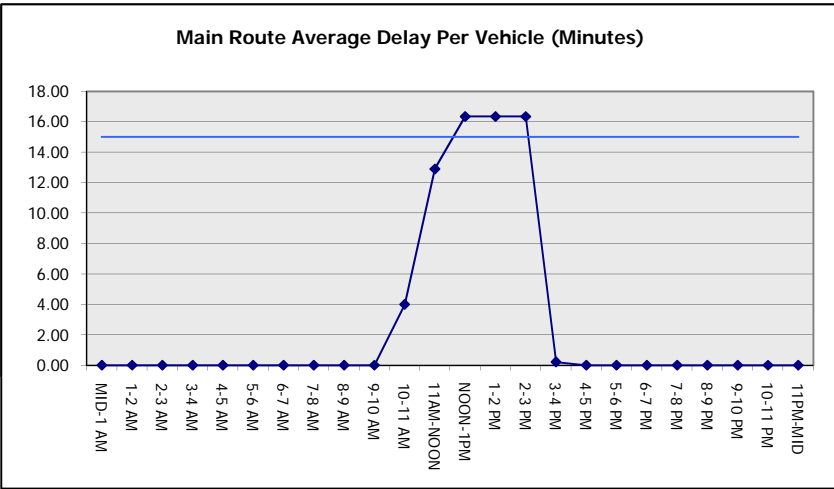
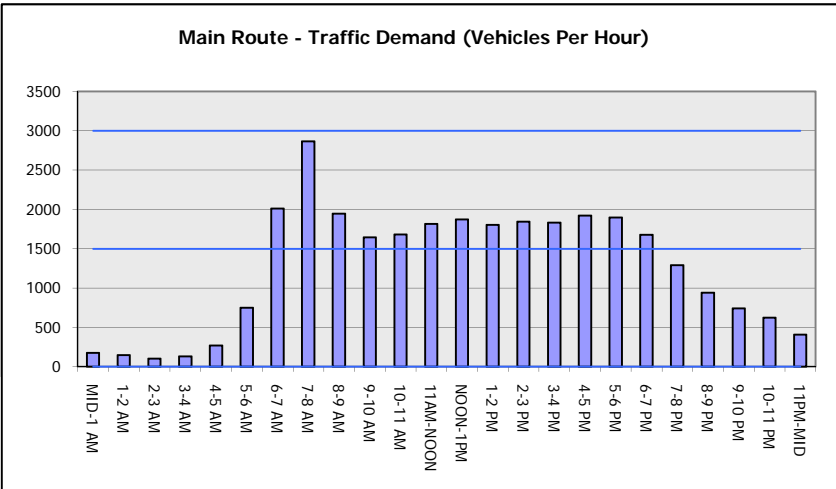
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0227
MAIN ROUTE WITH WORKS	0.0213
'DIVERSION'	0.0019
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$26,078
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



USH 151: IH 39 TO STH 19 (DANE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE SEGMENT)	AUGUST
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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	292	0.0	OFF	292	0	0.00	0	70.2	70.2	70.2
1-2 AM	194	0.0	OFF	194	0	0.00	0	70.2	70.2	70.2
2-3 AM	162	0.0	OFF	162	0	0.00	0	70.2	70.2	70.2
3-4 AM	118	0.0	OFF	118	0	0.00	0	70.2	70.2	70.2
4-5 AM	162	0.0	OFF	162	0	0.00	0	70.2	70.2	70.2
5-6 AM	333	0.0	OFF	333	0	0.00	0	70.2	70.2	70.2
6-7 AM	757	0.0	OFF	757	0	0.00	0	69.8	69.8	69.8
7-8 AM	1107	0.0	OFF	1107	0	0.00	0	69.4	69.4	69.4
8-9 AM	1023	0.0	OFF	1023	0	0.00	0	69.5	69.5	69.5
9-10 AM	1127	0.0	OFF	1127	0	0.00	0	69.3	69.3	69.3
10-11 AM	1335	0.0	1499	1335	0	0.88	0	69.1	56.8	34.7
11AM-NOON	1709	0.0	1499	1709	0	3.80	84	68.6	35.6	30.8
NOON-1PM	1996	0.0	1500	1723	273	14.57+	360	68.2	15.1	30.8
1-2 PM	2109	0.0	1500	1500	609	16.33+	400	68.1	13.8	30.8
2-3 PM	2294	0.0	1500	1500	794	16.32+	400	67.9	13.8	30.8
3-4 PM	2805	0.0	OFF	2805	0	0.33	29	67.3	62.4	62.4
4-5 PM	3106	0.0	OFF	3106	0	0.00	0	66.9	66.9	66.9
5-6 PM	3000	0.0	OFF	3000	0	0.00	0	67.0	67.0	67.0
6-7 PM	2064	0.0	OFF	2064	0	0.00	0	68.2	68.2	68.2
7-8 PM	1608	0.0	OFF	1608	0	0.00	0	68.7	68.7	68.7
8-9 PM	1436	0.0	OFF	1436	0	0.00	0	68.9	68.9	68.9
9-10 PM	1256	0.0	OFF	1256	0	0.00	0	69.2	69.2	69.2
10-11 PM	834	0.0	OFF	834	0	0.00	0	69.7	69.7	69.7
11PM-MID	643	0.0	OFF	643	0	0.00	0	69.9	69.9	69.9

"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	0.0235
MAIN ROUTE WITH WORKS	0.0218
'DIVERSION'	0.0029

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$23,656
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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