

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

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	133	0.0	OFF	133	0	0.00	0	70.2	70.2	70.2	
1-2 AM	105	0.0	OFF	105	0	0.00	0	70.2	70.2	70.2	
2-3 AM	84	0.0	OFF	84	0	0.00	0	70.2	70.2	70.2	
3-4 AM	125	0.0	OFF	125	0	0.00	0	70.2	70.2	70.2	
4-5 AM	251	0.0	OFF	251	0	0.00	0	70.2	70.2	70.2	
5-6 AM	722	0.0	OFF	722	0	0.00	0	69.9	69.9	69.9	
6-7 AM	2025	0.0	OFF	2025	0	0.00	0	68.2	68.2	68.2	
7-8 AM	2839	0.0	OFF	2839	0	0.00	0	67.2	67.2	67.2	
8-9 AM	2015	0.0	OFF	2015	0	0.00	0	68.2	68.2	68.2	
9-10 AM	1564	0.0	OFF	1564	0	0.00	0	68.8	68.8	68.8	
10-11 AM	1554	0.0	1499	1554	0	1.89	22	68.8	47.1	30.8	
11AM-NOON	1719	0.0	1500	1719	0	6.70	158	68.6	26.1	30.8	
NOON-1PM	1712	0.0	1499	1609	102	14.84+	363	68.6	14.8	30.8	
1-2 PM	1663	0.0	1500	1500	163	16.36+	400	68.7	13.8	30.8	
2-3 PM	1680	0.0	1500	1500	180	16.36+	400	68.6	13.8	30.8	
3-4 PM	1896	0.0	OFF	1896	0	0.21	17	68.4	65.1	65.1	
4-5 PM	1933	0.0	OFF	1933	0	0.00	0	68.3	68.3	68.3	
5-6 PM	1919	0.0	OFF	1919	0	0.00	0	68.4	68.4	68.4	
6-7 PM	1656	0.0	OFF	1656	0	0.00	0	68.7	68.7	68.7	
7-8 PM	1185	0.0	OFF	1185	0	0.00	0	69.2	69.2	69.2	
8-9 PM	803	0.0	OFF	803	0	0.00	0	69.7	69.7	69.7	
9-10 PM	616	0.0	OFF	616	0	0.00	0	70.0	70.0	70.0	
10-11 PM	481	0.0	OFF	481	0	0.00	0	70.1	70.1	70.1	
11PM-MID	316	0.0	OFF	316	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

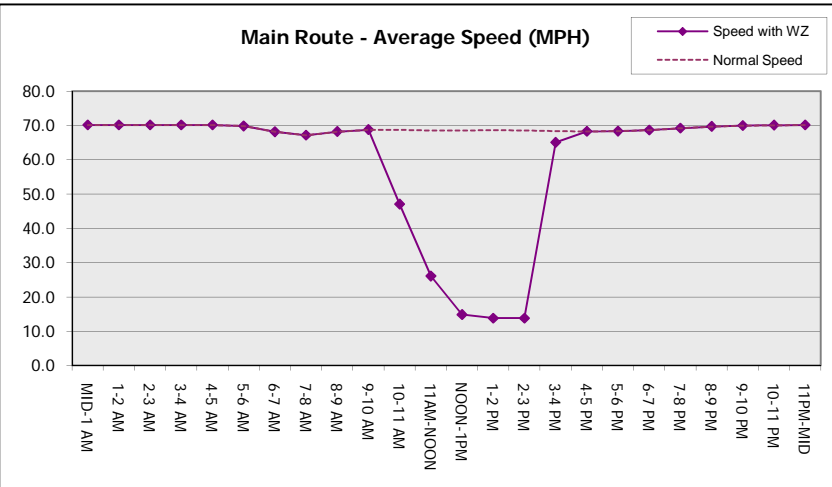
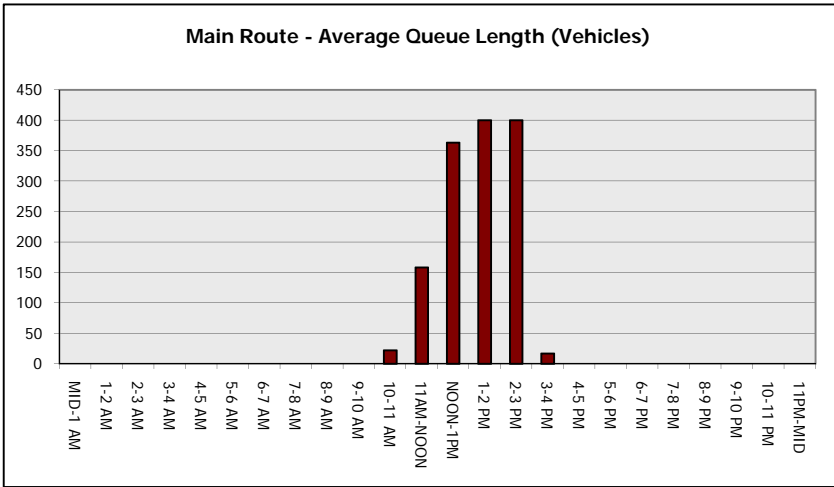
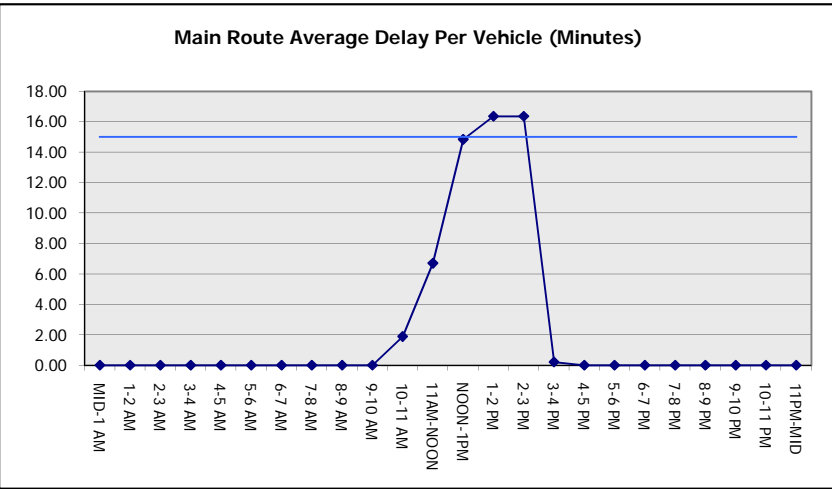
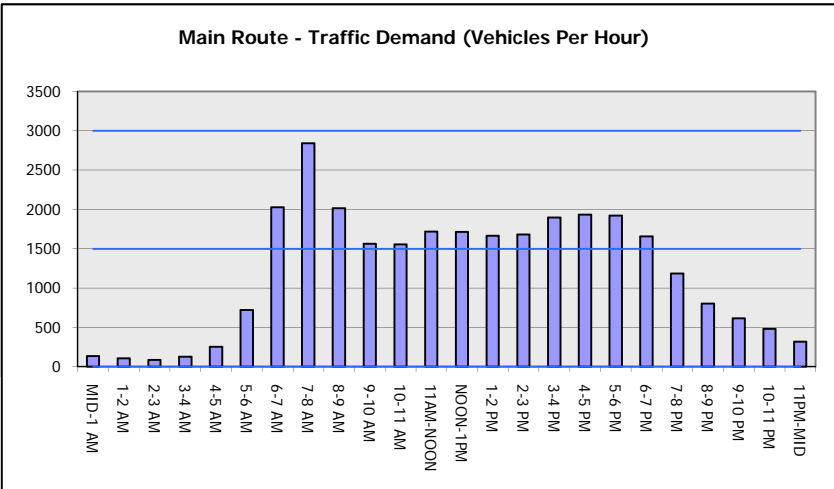
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0217
MAIN ROUTE WITH WORKS	0.0208
'DIVERSION'	0.0008
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$20,365
CONGESTED HOURS PER DAY*	3

*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	263	0.0	OFF	263	0	0.00	0	70.2	70.2	70.2
1-2 AM	169	0.0	OFF	169	0	0.00	0	70.2	70.2	70.2
2-3 AM	148	0.0	OFF	148	0	0.00	0	70.2	70.2	70.2
3-4 AM	106	0.0	OFF	106	0	0.00	0	70.2	70.2	70.2
4-5 AM	129	0.0	OFF	129	0	0.00	0	70.2	70.2	70.2
5-6 AM	280	0.0	OFF	280	0	0.00	0	70.2	70.2	70.2
6-7 AM	701	0.0	OFF	701	0	0.00	0	69.9	69.9	69.9
7-8 AM	1077	0.0	OFF	1077	0	0.00	0	69.4	69.4	69.4
8-9 AM	986	0.0	OFF	986	0	0.00	0	69.5	69.5	69.5
9-10 AM	1089	0.0	OFF	1089	0	0.00	0	69.4	69.4	69.4
10-11 AM	1307	0.0	1499	1307	0	0.85	0	69.1	57.3	35.4
11AM-NOON	1581	0.0	1499	1581	0	1.85	22	68.7	47.4	30.8
NOON-1PM	1882	0.0	1500	1882	0	9.94+	258	68.4	20.1	30.8
1-2 PM	2000	0.0	1500	1461	539	16.19+	396	68.2	13.8	30.8
2-3 PM	2229	0.0	1500	1500	729	16.32+	400	67.9	13.8	30.8
3-4 PM	2714	0.0	OFF	2714	0	0.31	27	67.4	62.8	62.8
4-5 PM	2997	0.0	OFF	2997	0	0.00	0	67.0	67.0	67.0
5-6 PM	2825	0.0	OFF	2825	0	0.00	0	67.2	67.2	67.2
6-7 PM	1980	0.0	OFF	1980	0	0.00	0	68.2	68.2	68.2
7-8 PM	1496	0.0	OFF	1496	0	0.00	0	68.9	68.9	68.9
8-9 PM	1357	0.0	OFF	1357	0	0.00	0	69.1	69.1	69.1
9-10 PM	1193	0.0	OFF	1193	0	0.00	0	69.2	69.2	69.2
10-11 PM	810	0.0	OFF	810	0	0.00	0	69.7	69.7	69.7
11PM-MID	568	0.0	OFF	568	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

----- 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	0.0223
MAIN ROUTE WITH WORKS	0.0209
'DIVERSION'	0.0022

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$19,806
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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