

USH 151: IH 39 TO STH 19 (DANE COUNTY) CONTINUOUS (24 HOUR) 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	3000	133	0	0.36	0	70.2	64.4	49.7
1-2 AM	105	0.0	3000	105	0	0.36	0	70.2	64.4	49.7
2-3 AM	84	0.0	3000	84	0	0.36	0	70.2	64.4	49.7
3-4 AM	125	0.0	3000	125	0	0.36	0	70.2	64.4	49.7
4-5 AM	251	0.0	3000	251	0	0.36	0	70.2	64.4	49.7
5-6 AM	722	0.0	3000	722	0	0.35	0	69.9	64.2	49.7
6-7 AM	2025	0.0	3000	2025	0	0.33	0	68.2	63.1	49.7
7-8 AM	2839	0.0	3000	2839	0	0.62	0	67.2	58.5	39.9
8-9 AM	2015	0.0	3000	2015	0	0.33	0	68.2	63.1	49.7
9-10 AM	1564	0.0	3000	1564	0	0.34	0	68.8	63.5	49.7
10-11 AM	1554	0.0	3000	1554	0	0.34	0	68.8	63.5	49.7
11AM-NOON	1719	0.0	3000	1719	0	0.34	0	68.6	63.3	49.7
NOON-1PM	1712	0.0	3000	1712	0	0.34	0	68.6	63.3	49.7
1-2 PM	1663	0.0	3000	1663	0	0.34	0	68.7	63.4	49.7
2-3 PM	1680	0.0	3000	1680	0	0.34	0	68.6	63.4	49.7
3-4 PM	1896	0.0	3000	1896	0	0.34	0	68.4	63.2	49.7
4-5 PM	1933	0.0	3000	1933	0	0.34	0	68.3	63.2	49.7
5-6 PM	1919	0.0	3000	1919	0	0.34	0	68.4	63.2	49.7
6-7 PM	1656	0.0	3000	1656	0	0.34	0	68.7	63.4	49.7
7-8 PM	1185	0.0	3000	1185	0	0.35	0	69.2	63.8	49.7
8-9 PM	803	0.0	3000	803	0	0.35	0	69.7	64.1	49.7
9-10 PM	616	0.0	3000	616	0	0.36	0	70.0	64.3	49.7
10-11 PM	481	0.0	3000	481	0	0.36	0	70.1	64.4	49.7
11PM-MID	316	0.0	3000	316	0	0.36	0	70.2	64.4	49.7

----- 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	0.0198
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

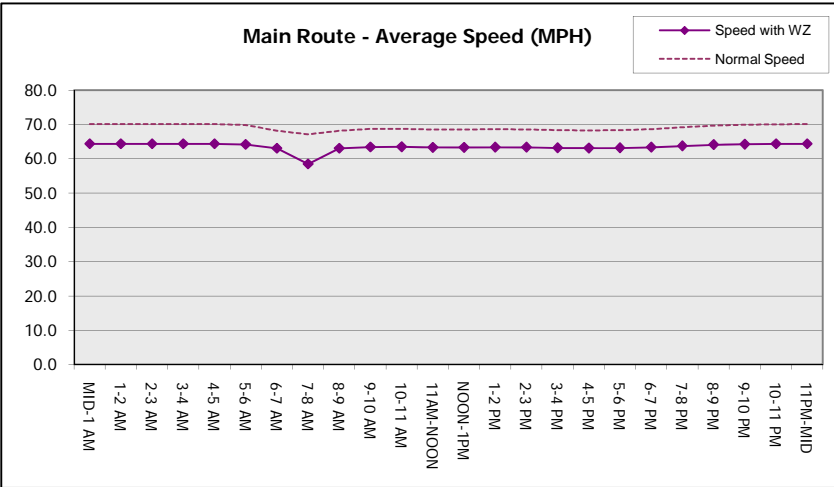
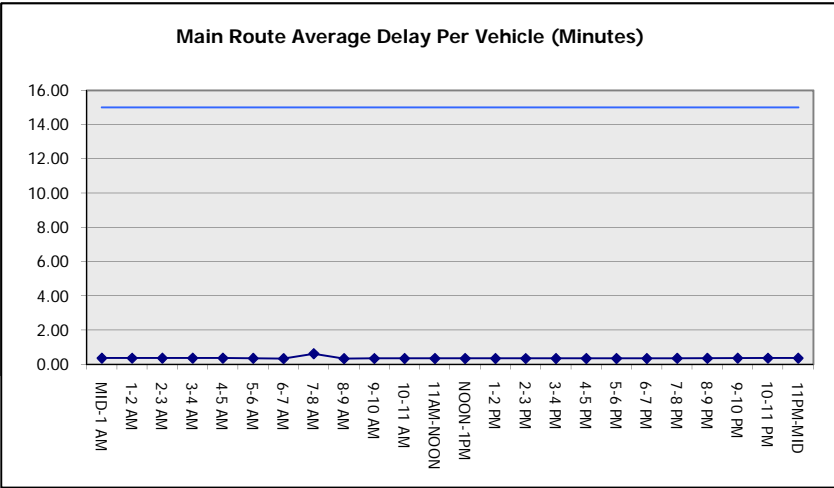
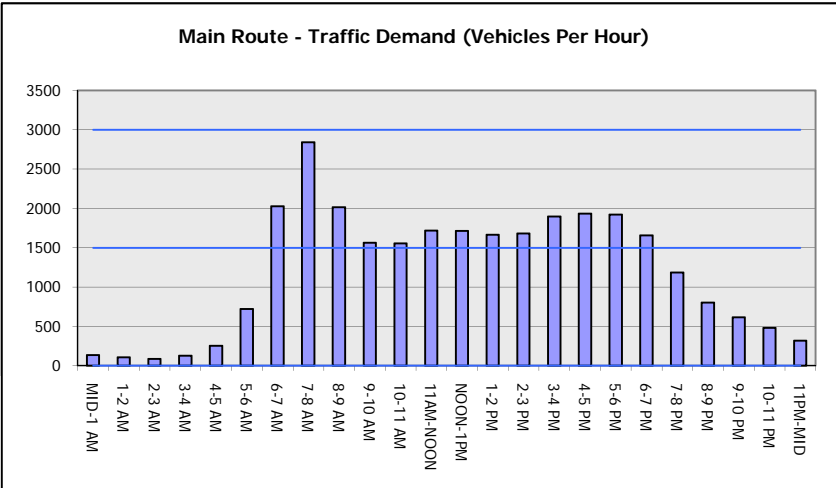
ROAD USER COSTS PER DAY	\$2,121
CONGESTED HOURS PER DAY*	0

*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	3000	263	0	0.36	0	70.2	64.4	49.7
1-2 AM	169	0.0	3000	169	0	0.36	0	70.2	64.4	49.7
2-3 AM	148	0.0	3000	148	0	0.36	0	70.2	64.4	49.7
3-4 AM	106	0.0	3000	106	0	0.36	0	70.2	64.4	49.7
4-5 AM	129	0.0	3000	129	0	0.36	0	70.2	64.4	49.7
5-6 AM	280	0.0	3000	280	0	0.36	0	70.2	64.4	49.7
6-7 AM	701	0.0	3000	701	0	0.36	0	69.9	64.2	49.7
7-8 AM	1077	0.0	3000	1077	0	0.35	0	69.4	63.9	49.7
8-9 AM	986	0.0	3000	986	0	0.35	0	69.5	64.0	49.7
9-10 AM	1089	0.0	3000	1089	0	0.35	0	69.4	63.9	49.7
10-11 AM	1307	0.0	3000	1307	0	0.35	0	69.1	63.7	49.7
11AM-NOON	1581	0.0	3000	1581	0	0.34	0	68.7	63.5	49.7
NOON-1PM	1882	0.0	3000	1882	0	0.34	0	68.4	63.2	49.7
1-2 PM	2000	0.0	3000	2000	0	0.33	0	68.2	63.2	49.7
2-3 PM	2229	0.0	3000	2229	0	0.33	0	67.9	63.0	49.7
3-4 PM	2714	0.0	2999	2714	0	0.54	0	67.4	59.7	42.3
4-5 PM	2997	0.0	2999	2997	0	0.75	1	67.0	56.9	37.4
5-6 PM	2825	0.0	3000	2825	0	0.62	0	67.2	58.6	40.2
6-7 PM	1980	0.0	3000	1980	0	0.33	0	68.2	63.2	49.7
7-8 PM	1496	0.0	3000	1496	0	0.34	0	68.9	63.5	49.7
8-9 PM	1357	0.0	3000	1357	0	0.34	0	69.1	63.7	49.7
9-10 PM	1193	0.0	3000	1193	0	0.35	0	69.2	63.8	49.7
10-11 PM	810	0.0	3000	810	0	0.35	0	69.7	64.1	49.7
11PM-MID	568	0.0	3000	568	0	0.36	0	70.0	64.3	49.7

----- 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	0.0204
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,537
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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