

USH 151: IH 39 TO STH 19 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE SEGMENT)	AUGUST
	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	155	0.0	3000	155	0	0.36	0	70.2	64.4	49.7
1-2 AM	134	0.0	3000	134	0	0.36	0	70.2	64.4	49.7
2-3 AM	91	0.0	3000	91	0	0.36	0	70.2	64.4	49.7
3-4 AM	120	0.0	3000	120	0	0.36	0	70.2	64.4	49.7
4-5 AM	271	0.0	3000	271	0	0.36	0	70.2	64.4	49.7
5-6 AM	844	0.0	3000	844	0	0.35	0	69.7	64.1	49.7
6-7 AM	2275	0.0	2999	2275	0	0.39	0	67.9	62.1	47.5
7-8 AM	3141	0.0	2999	3141	0	2.09	78	66.8	44.7	37.3
8-9 AM	2010	0.0	3000	2010	0	0.51	12	68.2	60.7	49.7
9-10 AM	1585	0.0	3000	1585	0	0.34	0	68.7	63.5	49.7
10-11 AM	1546	0.0	3000	1546	0	0.34	0	68.8	63.5	49.7
11AM-NOON	1607	0.0	3000	1607	0	0.34	0	68.7	63.5	49.7
NOON-1PM	1690	0.0	3000	1690	0	0.34	0	68.6	63.4	49.7
1-2 PM	1585	0.0	3000	1585	0	0.34	0	68.7	63.5	49.7
2-3 PM	1559	0.0	3000	1559	0	0.34	0	68.8	63.5	49.7
3-4 PM	1702	0.0	3000	1702	0	0.34	0	68.6	63.4	49.7
4-5 PM	1837	0.0	3000	1837	0	0.34	0	68.4	63.3	49.7
5-6 PM	1733	0.0	3000	1733	0	0.34	0	68.6	63.3	49.7
6-7 PM	1395	0.0	3000	1395	0	0.34	0	69.0	63.7	49.7
7-8 PM	1025	0.0	3000	1025	0	0.35	0	69.5	64.0	49.7
8-9 PM	755	0.0	3000	755	0	0.35	0	69.8	64.1	49.7
9-10 PM	599	0.0	3000	599	0	0.36	0	70.0	64.3	49.7
10-11 PM	432	0.0	3000	432	0	0.36	0	70.2	64.4	49.7
11PM-MID	244	0.0	3000	244	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	0.0212
MAIN ROUTE WITH WORKS	0.0193
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

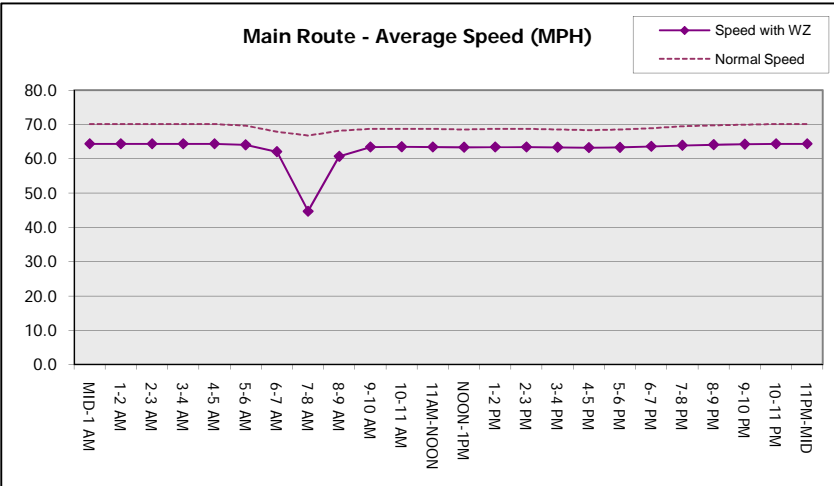
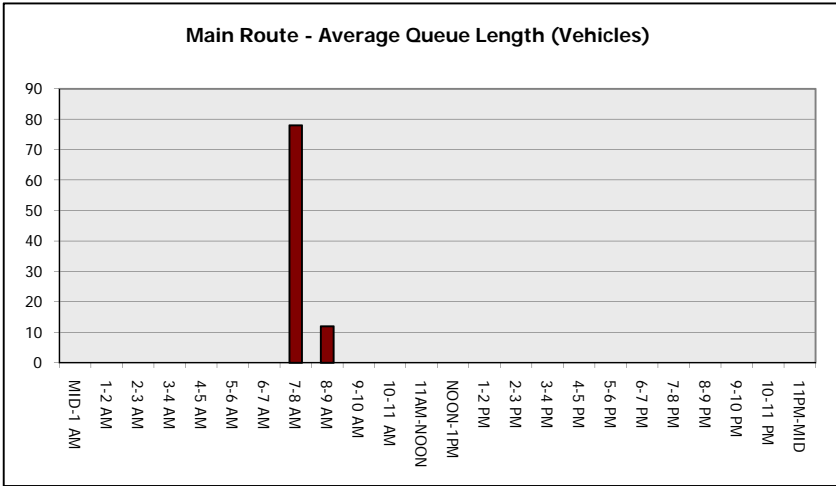
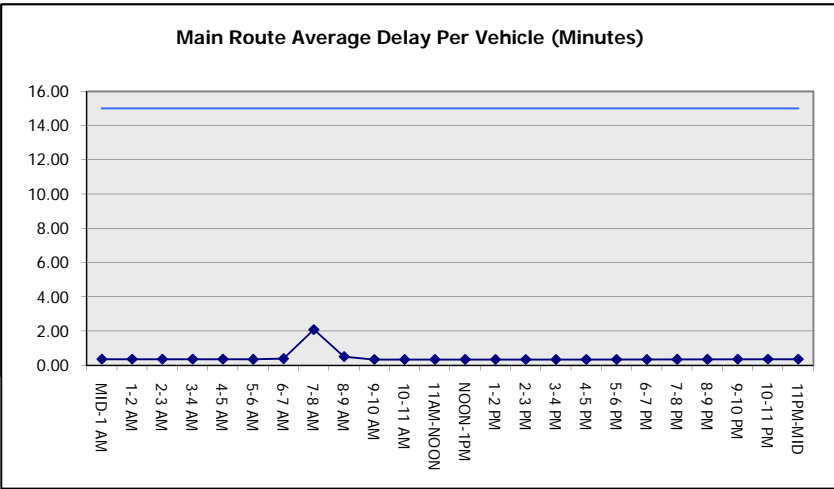
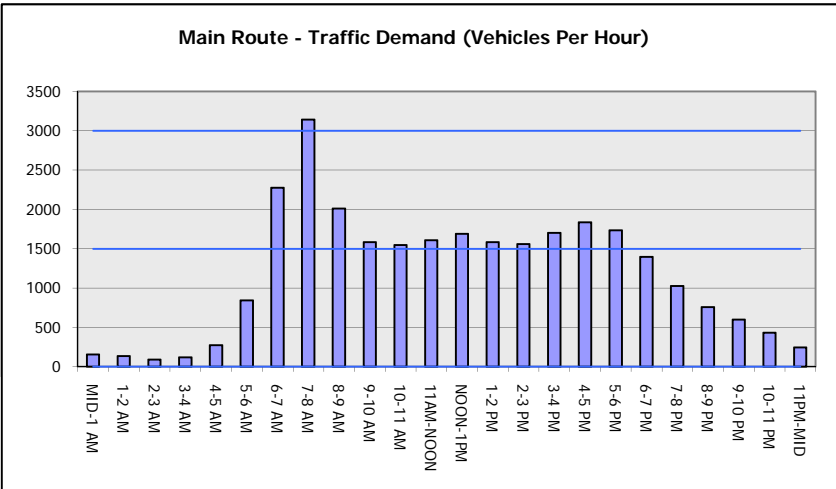
ROAD USER COSTS PER DAY	\$3,128
CONGESTED HOURS PER DAY*	0

*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	231	0.0	3000	231	0	0.36	0	70.2	64.4	49.7
1-2 AM	151	0.0	3000	151	0	0.36	0	70.2	64.4	49.7
2-3 AM	117	0.0	3000	117	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	136	0.0	3000	136	0	0.36	0	70.2	64.4	49.7
5-6 AM	335	0.0	3000	335	0	0.36	0	70.2	64.4	49.7
6-7 AM	801	0.0	3000	801	0	0.35	0	69.7	64.1	49.7
7-8 AM	1157	0.0	3000	1157	0	0.35	0	69.3	63.8	49.7
8-9 AM	1038	0.0	3000	1038	0	0.35	0	69.4	63.9	49.7
9-10 AM	1052	0.0	3000	1052	0	0.35	0	69.4	63.9	49.7
10-11 AM	1197	0.0	3000	1197	0	0.35	0	69.2	63.8	49.7
11AM-NOON	1439	0.0	3000	1439	0	0.34	0	68.9	63.6	49.7
NOON-1PM	1663	0.0	3000	1663	0	0.34	0	68.7	63.4	49.7
1-2 PM	1666	0.0	3000	1666	0	0.34	0	68.7	63.4	49.7
2-3 PM	1915	0.0	3000	1915	0	0.34	0	68.4	63.2	49.7
3-4 PM	2548	0.0	2999	2548	0	0.43	0	67.6	61.2	46.0
4-5 PM	3179	0.0	2999	3179	0	1.88	69	66.8	46.2	37.3
5-6 PM	3175	0.0	3000	3175	0	6.17	304	66.8	27.1	37.3
6-7 PM	1953	0.0	3000	1953	0	1.25	74	68.3	52.4	49.0
7-8 PM	1481	0.0	3000	1481	0	0.34	0	68.9	63.6	49.7
8-9 PM	1356	0.0	3000	1356	0	0.35	0	69.1	63.7	49.7
9-10 PM	1135	0.0	3000	1135	0	0.35	0	69.3	63.8	49.7
10-11 PM	658	0.0	3000	658	0	0.36	0	69.9	64.2	49.7
11PM-MID	448	0.0	3000	448	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	0.0216
MAIN ROUTE WITH WORKS	0.0197
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$7,068
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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