

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

SUNDAY 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	182	0.0	3000	182	0	0.36	0	70.2	64.4	49.7
1-2 AM	118	0.0	3000	118	0	0.36	0	70.2	64.4	49.7
2-3 AM	121	0.0	3000	121	0	0.36	0	70.2	64.4	49.7
3-4 AM	80	0.0	3000	80	0	0.36	0	70.2	64.4	49.7
4-5 AM	101	0.0	3000	101	0	0.36	0	70.2	64.4	49.7
5-6 AM	142	0.0	3000	142	0	0.36	0	70.2	64.4	49.7
6-7 AM	267	0.0	3000	267	0	0.36	0	70.2	64.4	49.7
7-8 AM	389	0.0	3000	389	0	0.36	0	70.2	64.4	49.7
8-9 AM	682	0.0	3000	682	0	0.36	0	69.9	64.2	49.7
9-10 AM	987	0.0	3000	987	0	0.35	0	69.5	64.0	49.7
10-11 AM	1294	0.0	3000	1294	0	0.35	0	69.1	63.7	49.7
11AM-NOON	1668	0.0	3000	1668	0	0.34	0	68.7	63.4	49.7
NOON-1PM	1766	0.0	3000	1766	0	0.34	0	68.6	63.3	49.7
1-2 PM	1649	0.0	3000	1649	0	0.34	0	68.7	63.4	49.7
2-3 PM	1596	0.0	3000	1596	0	0.34	0	68.7	63.5	49.7
3-4 PM	1524	0.0	3000	1524	0	0.34	0	68.9	63.5	49.7
4-5 PM	1473	0.0	3000	1473	0	0.34	0	68.9	63.6	49.7
5-6 PM	1287	0.0	3000	1287	0	0.35	0	69.1	63.7	49.7
6-7 PM	1130	0.0	3000	1130	0	0.35	0	69.3	63.8	49.7
7-8 PM	816	0.0	3000	816	0	0.35	0	69.7	64.1	49.7
8-9 PM	715	0.0	3000	715	0	0.36	0	69.9	64.2	49.7
9-10 PM	556	0.0	3000	556	0	0.36	0	70.0	64.3	49.7
10-11 PM	388	0.0	3000	388	0	0.36	0	70.2	64.4	49.7
11PM-MID	188	0.0	3000	188	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

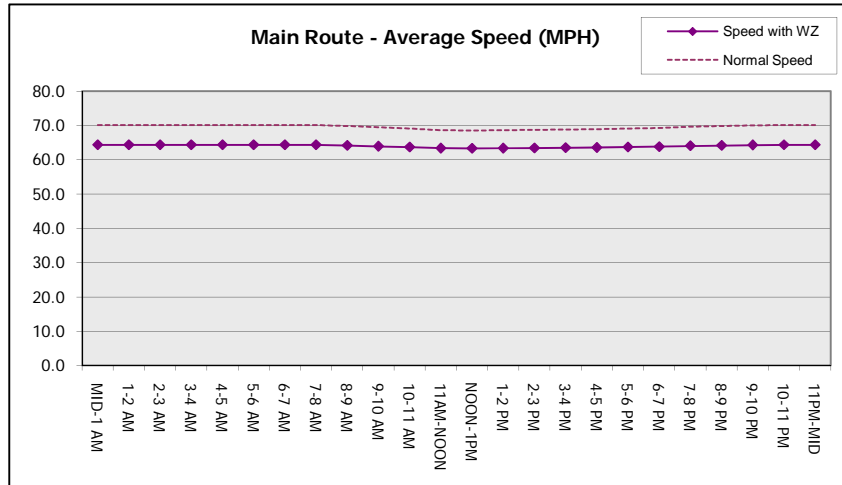
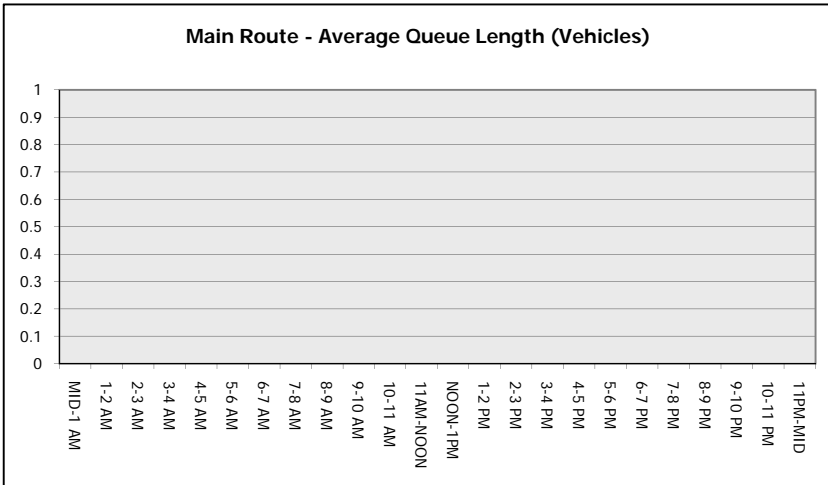
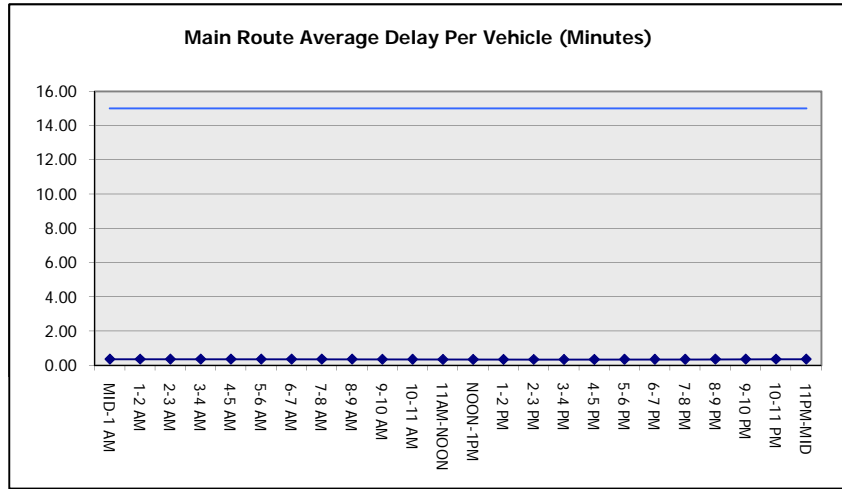
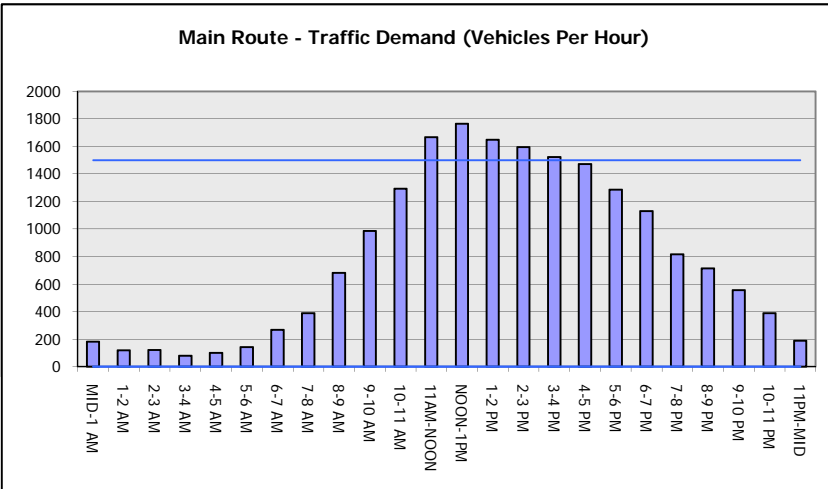
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0143
MAIN ROUTE WITH WORKS	0.0130
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,641
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	359	0.0	3000	359	0	0.36	0	70.2	64.4	49.7
1-2 AM	224	0.0	3000	224	0	0.36	0	70.2	64.4	49.7
2-3 AM	187	0.0	3000	187	0	0.36	0	70.2	64.4	49.7
3-4 AM	115	0.0	3000	115	0	0.36	0	70.2	64.4	49.7
4-5 AM	80	0.0	3000	80	0	0.36	0	70.2	64.4	49.7
5-6 AM	71	0.0	3000	71	0	0.36	0	70.2	64.4	49.7
6-7 AM	158	0.0	3000	158	0	0.36	0	70.2	64.4	49.7
7-8 AM	268	0.0	3000	268	0	0.36	0	70.2	64.4	49.7
8-9 AM	411	0.0	3000	411	0	0.36	0	70.2	64.4	49.7
9-10 AM	694	0.0	3000	694	0	0.36	0	69.9	64.2	49.7
10-11 AM	996	0.0	3000	996	0	0.35	0	69.5	64.0	49.7
11AM-NOON	1269	0.0	3000	1269	0	0.35	0	69.2	63.7	49.7
NOON-1PM	1534	0.0	3000	1534	0	0.34	0	68.8	63.5	49.7
1-2 PM	1586	0.0	3000	1586	0	0.34	0	68.7	63.5	49.7
2-3 PM	1683	0.0	3000	1683	0	0.34	0	68.6	63.4	49.7
3-4 PM	1746	0.0	3000	1746	0	0.34	0	68.6	63.3	49.7
4-5 PM	1792	0.0	3000	1792	0	0.34	0	68.5	63.3	49.7
5-6 PM	1586	0.0	3000	1586	0	0.34	0	68.7	63.5	49.7
6-7 PM	1380	0.0	3000	1380	0	0.34	0	69.0	63.7	49.7
7-8 PM	1033	0.0	3000	1033	0	0.35	0	69.4	63.9	49.7
8-9 PM	834	0.0	3000	834	0	0.35	0	69.7	64.1	49.7
9-10 PM	603	0.0	3000	603	0	0.36	0	70.0	64.3	49.7
10-11 PM	414	0.0	3000	414	0	0.36	0	70.2	64.4	49.7
11PM-MID	355	0.0	3000	355	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	0.0145
MAIN ROUTE WITH WORKS	0.0132
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,659
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

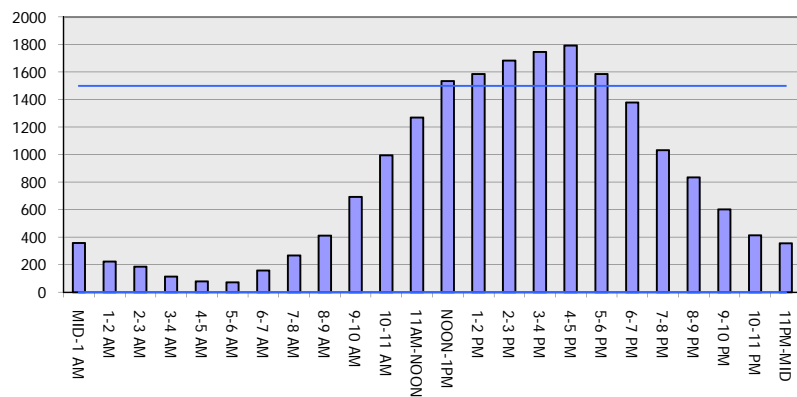
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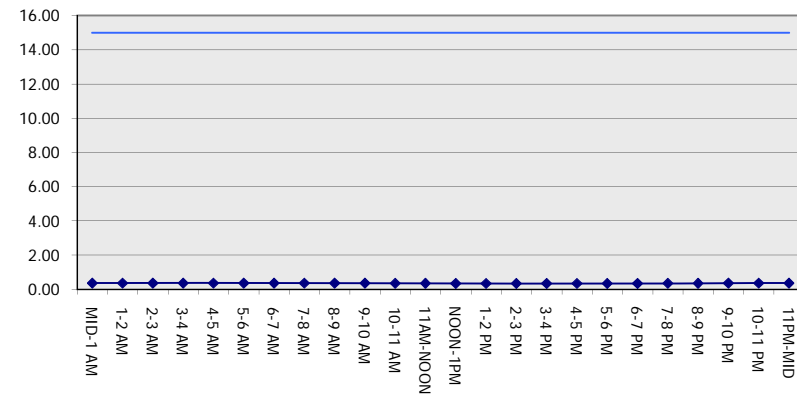
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY NORTHBOUND DIRECTION

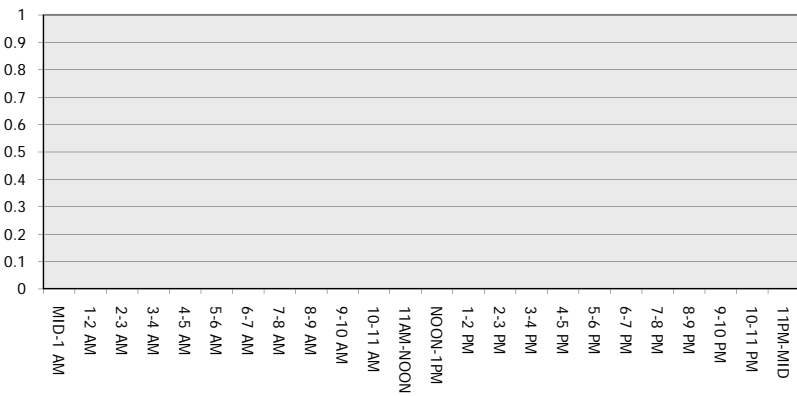
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

