

USH 12: CTH K TO USH 14 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY WESTBOUND 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	154	0.0	1500	154	0	0.35	0	60.2	54.2	44.9	
1-2 AM	95	0.0	1500	95	0	0.34	0	60.2	54.3	45.1	
2-3 AM	71	0.0	1500	71	0	0.34	0	60.2	54.3	45.2	
3-4 AM	57	0.0	1500	57	0	0.34	0	60.2	54.3	45.3	
4-5 AM	47	0.0	1500	47	0	0.33	0	60.2	54.3	45.3	
5-6 AM	92	0.0	1500	92	0	0.34	0	60.2	54.3	45.1	
6-7 AM	196	0.0	1500	196	0	0.35	0	60.2	54.1	44.7	
7-8 AM	397	0.0	1500	397	0	0.38	0	60.2	53.7	43.9	
8-9 AM	582	0.0	1500	582	0	0.40	0	60.2	53.3	43.2	
9-10 AM	755	0.0	1500	755	0	0.42	0	60.2	53.0	42.5	
10-11 AM	904	0.0	1500	904	0	0.44	0	60.2	52.7	42.0	
11AM-NOON	1019	0.0	1500	1019	0	0.45	0	60.2	52.5	41.6	
NOON-1PM	1023	0.0	1500	1023	0	0.45	0	60.2	52.5	41.6	
1-2 PM	1024	0.0	1500	1024	0	0.45	0	60.2	52.5	41.6	
2-3 PM	966	0.0	1500	966	0	0.45	0	60.2	52.6	41.8	
3-4 PM	976	0.0	1500	976	0	0.45	0	60.2	52.6	41.7	
4-5 PM	961	0.0	1500	961	0	0.45	0	60.2	52.6	41.8	
5-6 PM	877	0.0	1500	877	0	0.44	0	60.2	52.8	42.1	
6-7 PM	720	0.0	1500	720	0	0.42	0	60.2	53.1	42.7	
7-8 PM	599	0.0	1500	599	0	0.40	0	60.2	53.3	43.2	
8-9 PM	532	0.0	1500	532	0	0.39	0	60.2	53.4	43.4	
9-10 PM	472	0.0	1500	472	0	0.39	0	60.2	53.5	43.6	
10-11 PM	333	0.0	1500	333	0	0.37	0	60.2	53.8	44.2	
11PM-MID	252	0.0	1500	252	0	0.36	0	60.2	54.0	44.5	

----- 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

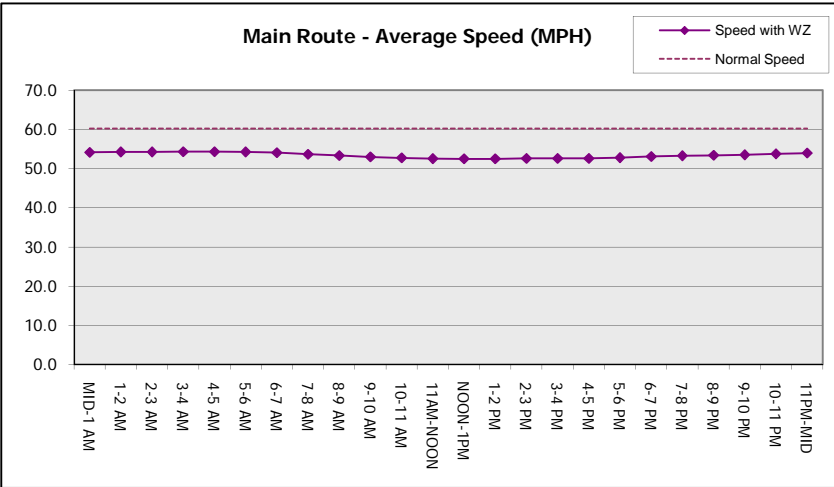
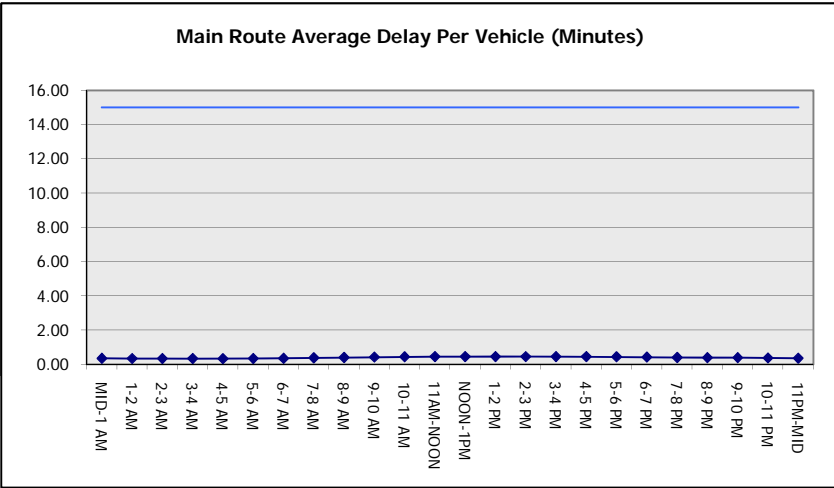
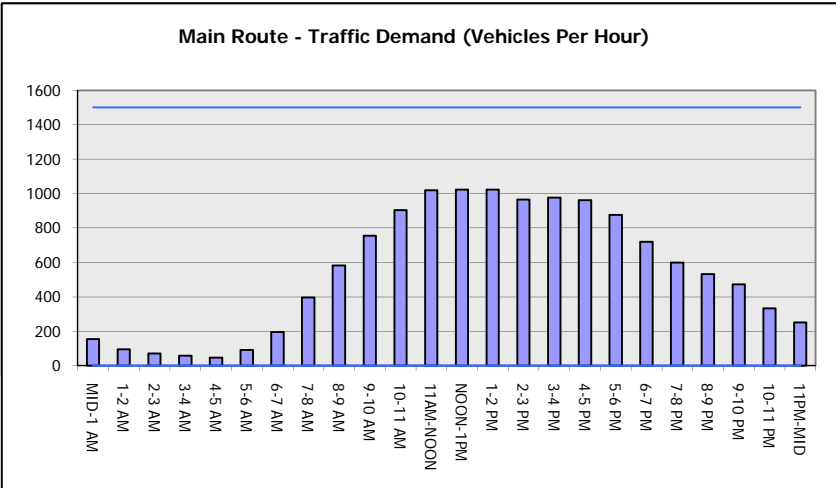
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0065
MAIN ROUTE WITH WORKS	0.0056
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,432
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



USH 12: CTH K TO USH 14 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY EASTBOUND 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	170	0.0	1500	170	0	0.35	0	60.2	54.1	44.8
1-2 AM	103	0.0	1500	103	0	0.34	0	60.2	54.2	45.1
2-3 AM	115	0.0	1500	115	0	0.34	0	60.2	54.2	45.0
3-4 AM	52	0.0	1500	52	0	0.33	0	60.2	54.3	45.3
4-5 AM	63	0.0	1500	63	0	0.34	0	60.2	54.3	45.3
5-6 AM	104	0.0	1500	104	0	0.34	0	60.2	54.2	45.1
6-7 AM	244	0.0	1500	244	0	0.36	0	60.2	54.0	44.5
7-8 AM	377	0.0	1500	377	0	0.37	0	60.2	53.7	44.0
8-9 AM	552	0.0	1500	552	0	0.40	0	60.2	53.4	43.3
9-10 AM	765	0.0	1500	765	0	0.42	0	60.2	53.0	42.5
10-11 AM	921	0.0	1500	921	0	0.44	0	60.2	52.7	42.0
11AM-NOON	995	0.0	1500	995	0	0.45	0	60.2	52.5	41.7
NOON-1PM	1021	0.0	1500	1021	0	0.45	0	60.2	52.5	41.6
1-2 PM	1022	0.0	1500	1022	0	0.45	0	60.2	52.5	41.6
2-3 PM	941	0.0	1500	941	0	0.44	0	60.2	52.7	41.9
3-4 PM	927	0.0	1500	927	0	0.44	0	60.2	52.7	41.9
4-5 PM	923	0.0	1500	923	0	0.44	0	60.2	52.7	42.0
5-6 PM	886	0.0	1500	886	0	0.44	0	60.2	52.8	42.1
6-7 PM	784	0.0	1500	784	0	0.43	0	60.2	53.0	42.5
7-8 PM	628	0.0	1500	628	0	0.41	0	60.2	53.2	43.0
8-9 PM	538	0.0	1500	538	0	0.39	0	60.2	53.4	43.3
9-10 PM	474	0.0	1500	474	0	0.39	0	60.2	53.5	43.6
10-11 PM	338	0.0	1500	338	0	0.37	0	60.2	53.8	44.2
11PM-MID	308	0.0	1500	308	0	0.37	0	60.2	53.8	44.3

----- 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	0.0065
MAIN ROUTE WITH WORKS	0.0057
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,441
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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CONTINUOUS (24 HOUR) CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

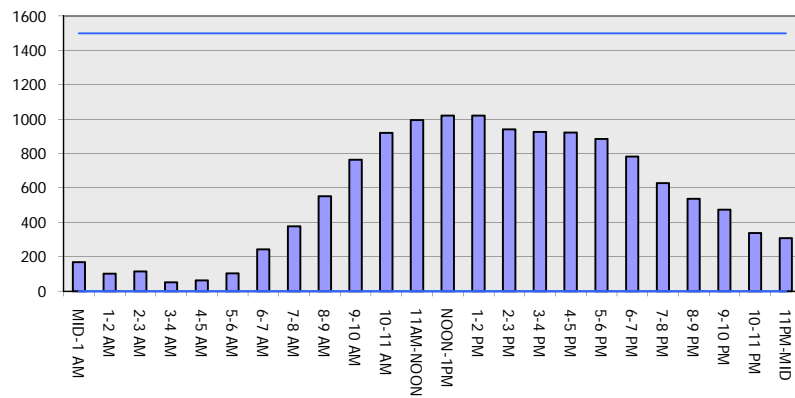
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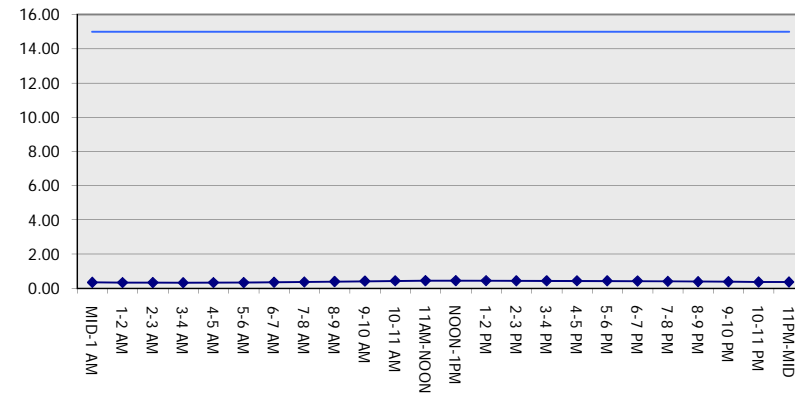
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY EASTBOUND DIRECTION

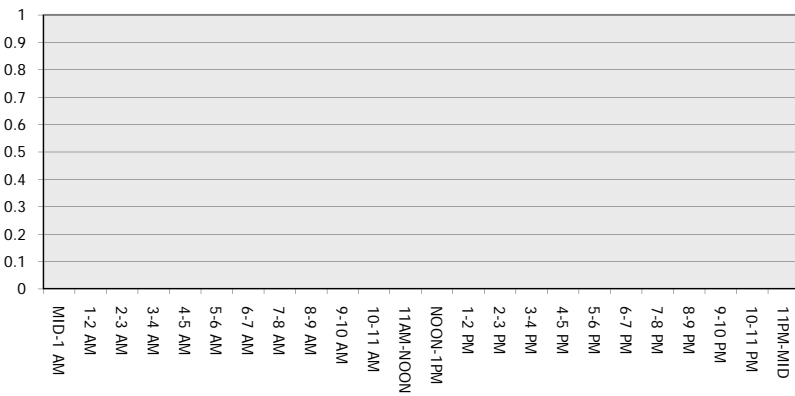
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

