

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

SUNDAY 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	167	0.0	1500	167	0	0.35	0	60.2	54.1	44.8
1-2 AM	82	0.0	1500	82	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	37	0.0	1500	37	0	0.33	0	60.2	54.4	45.3
4-5 AM	31	0.0	1500	31	0	0.33	0	60.2	54.4	45.4
5-6 AM	48	0.0	1500	48	0	0.33	0	60.2	54.3	45.3
6-7 AM	95	0.0	1500	95	0	0.34	0	60.2	54.3	45.1
7-8 AM	204	0.0	1500	204	0	0.35	0	60.2	54.0	44.6
8-9 AM	354	0.0	1500	354	0	0.37	0	60.2	53.8	44.1
9-10 AM	462	0.0	1500	462	0	0.39	0	60.2	53.5	43.7
10-11 AM	668	0.0	1500	668	0	0.41	0	60.2	53.2	42.8
11AM-NOON	814	0.0	1500	814	0	0.43	0	60.2	52.9	42.4
NOON-1PM	887	0.0	1500	887	0	0.44	0	60.2	52.7	42.1
1-2 PM	866	0.0	1500	866	0	0.44	0	60.2	52.8	42.2
2-3 PM	905	0.0	1500	905	0	0.44	0	60.2	52.7	42.0
3-4 PM	904	0.0	1500	904	0	0.44	0	60.2	52.7	42.0
4-5 PM	900	0.0	1500	900	0	0.44	0	60.2	52.7	42.0
5-6 PM	783	0.0	1500	783	0	0.42	0	60.2	53.0	42.5
6-7 PM	647	0.0	1500	647	0	0.41	0	60.2	53.2	43.0
7-8 PM	509	0.0	1500	509	0	0.39	0	60.2	53.5	43.5
8-9 PM	405	0.0	1500	405	0	0.38	0	60.2	53.7	43.8
9-10 PM	328	0.0	1500	328	0	0.37	0	60.2	53.8	44.2
10-11 PM	193	0.0	1500	193	0	0.35	0	60.2	54.1	44.7
11PM-MID	139	0.0	1500	139	0	0.35	0	60.2	54.2	44.9

----- 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	0.0052
MAIN ROUTE WITH WORKS	0.0045
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,127
CONGESTED HOURS PER DAY*	0

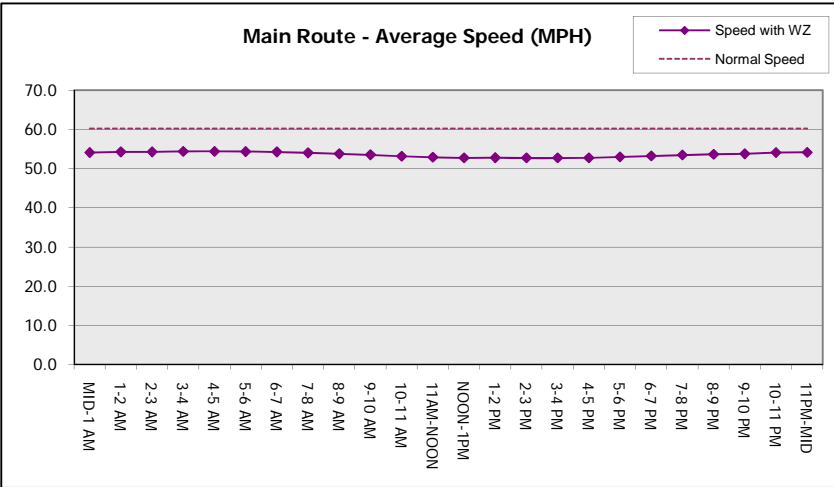
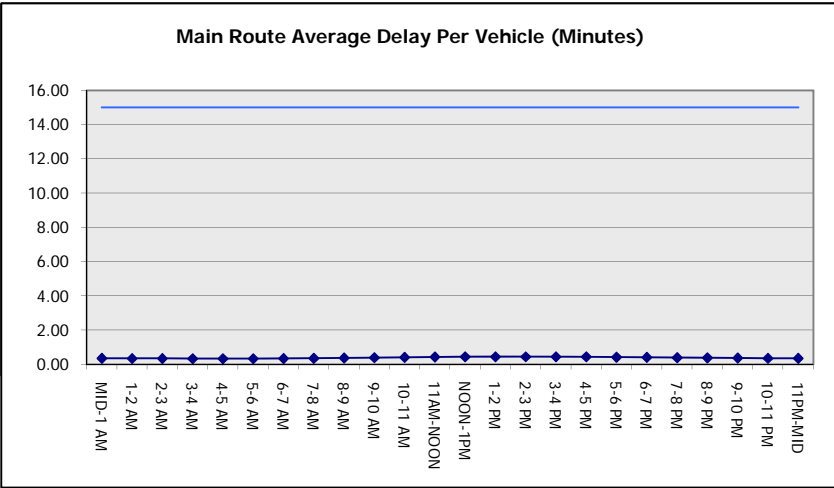
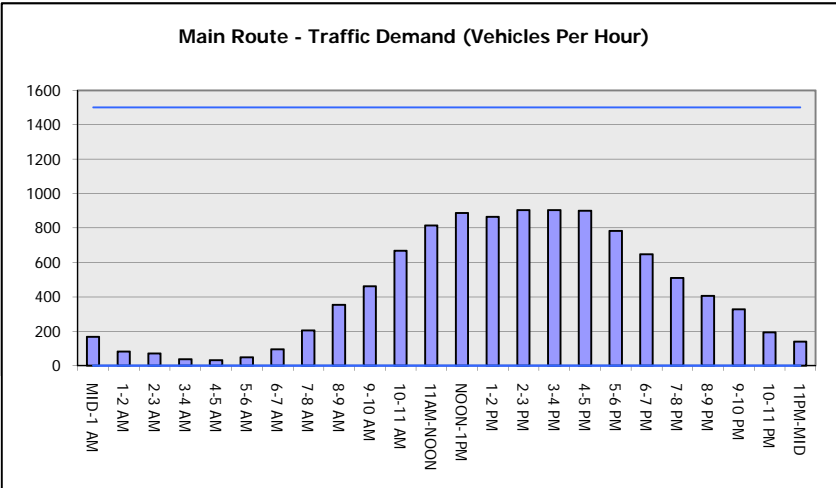
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY 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

SUNDAY 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	174	0.0	1500	174	0	0.35	0	60.2	54.1	44.8
1-2 AM	112	0.0	1500	112	0	0.34	0	60.2	54.2	45.0
2-3 AM	118	0.0	1500	118	0	0.34	0	60.2	54.2	45.0
3-4 AM	46	0.0	1500	46	0	0.33	0	60.2	54.3	45.3
4-5 AM	41	0.0	1500	41	0	0.33	0	60.2	54.3	45.3
5-6 AM	59	0.0	1500	59	0	0.34	0	60.2	54.3	45.3
6-7 AM	121	0.0	1500	121	0	0.34	0	60.2	54.2	45.0
7-8 AM	184	0.0	1500	184	0	0.35	0	60.2	54.1	44.8
8-9 AM	344	0.0	1500	344	0	0.37	0	60.2	53.8	44.1
9-10 AM	525	0.0	1500	525	0	0.39	0	60.2	53.4	43.4
10-11 AM	745	0.0	1500	745	0	0.42	0	60.2	53.0	42.6
11AM-NOON	983	0.0	1500	983	0	0.45	0	60.2	52.6	41.7
NOON-1PM	1063	0.0	1500	1063	0	0.46	0	60.2	52.4	41.5
1-2 PM	1073	0.0	1500	1073	0	0.46	0	60.2	52.4	41.4
2-3 PM	1067	0.0	1500	1067	0	0.46	0	60.2	52.4	41.4
3-4 PM	1060	0.0	1500	1060	0	0.46	0	60.2	52.4	41.5
4-5 PM	1046	0.0	1500	1046	0	0.46	0	60.2	52.5	41.5
5-6 PM	940	0.0	1500	940	0	0.44	0	60.2	52.7	41.9
6-7 PM	862	0.0	1500	862	0	0.43	0	60.2	52.8	42.2
7-8 PM	731	0.0	1500	731	0	0.42	0	60.2	53.0	42.7
8-9 PM	567	0.0	1500	567	0	0.40	0	60.2	53.3	43.2
9-10 PM	421	0.0	1500	421	0	0.38	0	60.2	53.7	43.8
10-11 PM	239	0.0	1500	239	0	0.36	0	60.2	54.0	44.5
11PM-MID	122	0.0	1500	122	0	0.34	0	60.2	54.2	45.0

----- 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	0.0062
MAIN ROUTE WITH WORKS	0.0054
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,411
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

