

USH 151: CTH PD TO CTH PB (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	129	0.0	1500	129	0	0.43	0	66.1	54.3	45.0	
1-2 AM	91	0.0	1500	91	0	0.43	0	66.2	54.5	45.1	
2-3 AM	95	0.0	1500	95	0	0.43	0	66.2	54.4	45.1	
3-4 AM	81	0.0	1500	81	0	0.43	0	66.3	54.5	45.1	
4-5 AM	165	0.0	1500	165	0	0.44	0	66.1	54.2	44.8	
5-6 AM	270	0.0	1500	270	0	0.45	0	65.9	53.8	44.4	
6-7 AM	446	0.0	1500	446	0	0.47	0	65.6	53.2	43.7	
7-8 AM	754	0.0	1500	754	0	0.50	0	65.0	52.2	42.5	
8-9 AM	891	0.0	1500	891	0	0.51	0	64.7	51.8	42.0	
9-10 AM	1021	0.0	1500	1021	0	0.52	0	64.5	51.4	41.6	
10-11 AM	1110	0.0	1500	1110	0	0.53	0	64.3	51.1	41.3	
11AM-NOON	1106	0.0	1500	1106	0	0.53	0	64.3	51.1	41.3	
NOON-1PM	1066	0.0	1500	1066	0	0.53	0	64.4	51.2	41.4	
1-2 PM	1002	0.0	1500	1002	0	0.52	0	64.5	51.4	41.7	
2-3 PM	1020	0.0	1500	1020	0	0.52	0	64.5	51.4	41.6	
3-4 PM	899	0.0	1500	899	0	0.51	0	64.7	51.8	42.0	
4-5 PM	812	0.0	1500	812	0	0.50	0	64.9	52.0	42.4	
5-6 PM	737	0.0	1500	737	0	0.49	0	65.0	52.3	42.6	
6-7 PM	570	0.0	1500	570	0	0.48	0	65.3	52.8	43.2	
7-8 PM	526	0.0	1500	526	0	0.47	0	65.4	53.0	43.4	
8-9 PM	497	0.0	1500	497	0	0.47	0	65.5	53.0	43.5	
9-10 PM	426	0.0	1500	426	0	0.46	0	65.6	53.3	43.8	
10-11 PM	326	0.0	1500	326	0	0.45	0	65.8	53.7	44.2	
11PM-MID	201	0.0	1500	201	0	0.44	0	66.0	54.0	44.6	

----- 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	0.0050
MAIN ROUTE WITH WORKS	0.0040
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

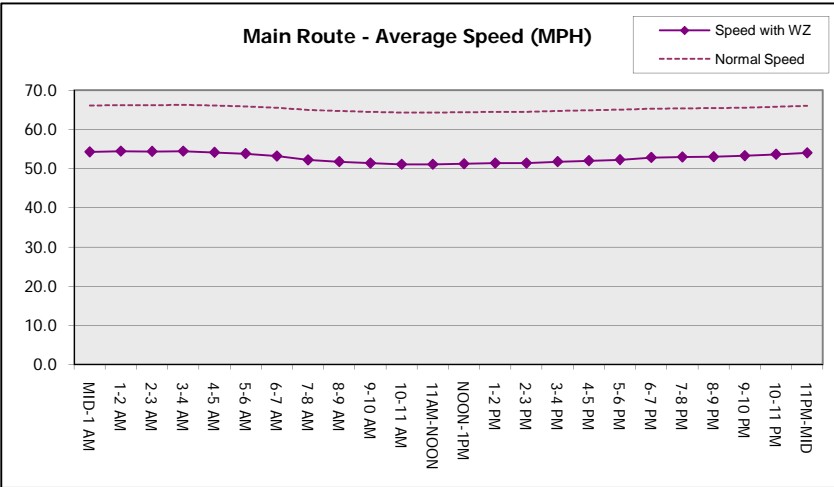
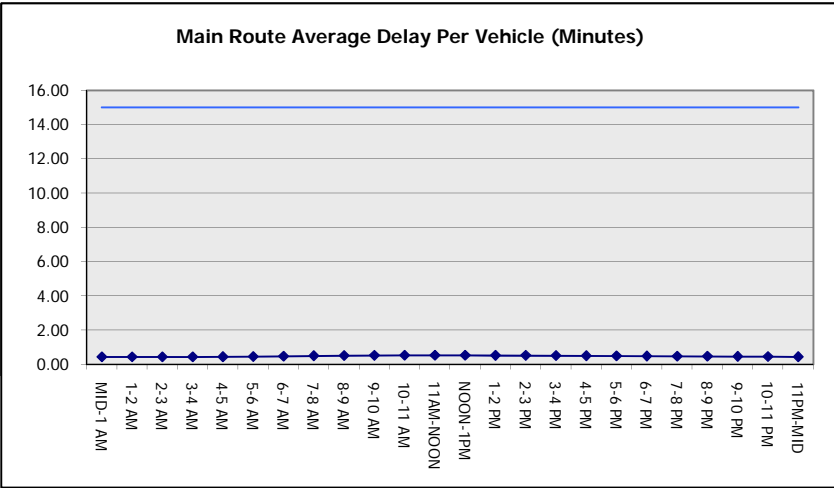
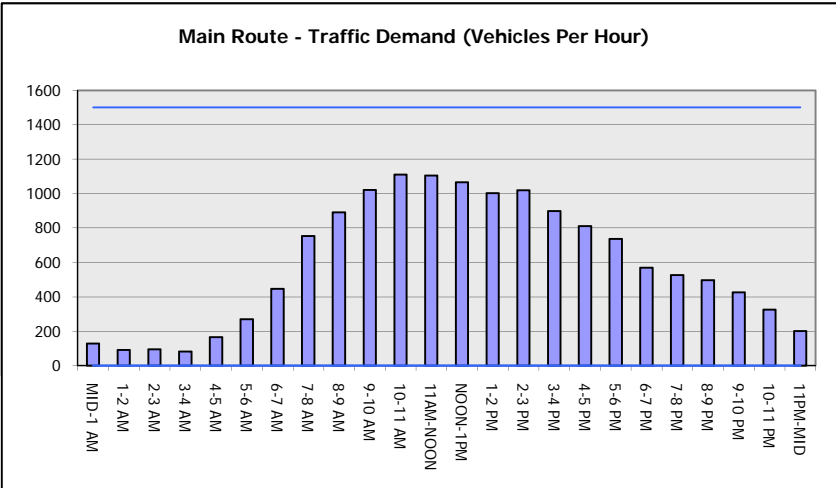
ROAD USER COSTS PER DAY	\$1,793
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



USH 151: CTH PD TO CTH PB (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	79	0.0	1500	79	0	0.43	0	66.3	54.5	45.1
1-2 AM	67	0.0	1500	67	0	0.43	0	66.3	54.5	45.2
2-3 AM	62	0.0	1500	62	0	0.43	0	66.3	54.5	45.3
3-4 AM	94	0.0	1500	94	0	0.43	0	66.2	54.4	45.1
4-5 AM	257	0.0	1500	257	0	0.45	0	65.9	53.8	44.5
5-6 AM	383	0.0	1500	383	0	0.46	0	65.7	53.5	44.0
6-7 AM	607	0.0	1500	607	0	0.48	0	65.3	52.7	43.1
7-8 AM	801	0.0	1500	801	0	0.50	0	64.9	52.1	42.4
8-9 AM	992	0.0	1500	992	0	0.52	0	64.5	51.5	41.7
9-10 AM	1037	0.0	1500	1037	0	0.52	0	64.5	51.4	41.5
10-11 AM	1057	0.0	1500	1057	0	0.52	0	64.4	51.3	41.5
11AM-NOON	1054	0.0	1500	1054	0	0.52	0	64.4	51.3	41.5
NOON-1PM	1004	0.0	1500	1004	0	0.52	0	64.5	51.4	41.7
1-2 PM	1021	0.0	1500	1021	0	0.52	0	64.5	51.4	41.6
2-3 PM	990	0.0	1500	990	0	0.52	0	64.5	51.5	41.7
3-4 PM	921	0.0	1500	921	0	0.51	0	64.6	51.7	42.0
4-5 PM	902	0.0	1500	902	0	0.51	0	64.7	51.8	42.0
5-6 PM	800	0.0	1500	800	0	0.50	0	64.9	52.1	42.4
6-7 PM	635	0.0	1500	635	0	0.48	0	65.2	52.6	43.0
7-8 PM	514	0.0	1500	514	0	0.47	0	65.5	53.0	43.5
8-9 PM	453	0.0	1500	453	0	0.47	0	65.5	53.2	43.7
9-10 PM	346	0.0	1500	346	0	0.46	0	65.8	53.6	44.1
10-11 PM	217	0.0	1500	217	0	0.44	0	66.0	54.0	44.6
11PM-MID	122	0.0	1500	122	0	0.43	0	66.1	54.3	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	0.0050
MAIN ROUTE WITH WORKS	0.0041
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,816
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

