

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

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	105	0.0	1500	105	0	0.43	0	66.2	54.4	45.1
1-2 AM	90	0.0	1500	90	0	0.43	0	66.2	54.5	45.1
2-3 AM	63	0.0	1500	63	0	0.43	0	66.3	54.5	45.3
3-4 AM	48	0.0	1500	48	0	0.43	0	66.3	54.6	45.3
4-5 AM	79	0.0	1500	79	0	0.43	0	66.3	54.5	45.1
5-6 AM	148	0.0	1500	148	0	0.44	0	66.1	54.2	44.9
6-7 AM	238	0.0	1500	238	0	0.45	0	66.0	53.9	44.5
7-8 AM	421	0.0	1500	421	0	0.46	0	65.6	53.3	43.8
8-9 AM	595	0.0	1500	595	0	0.48	0	65.3	52.7	43.2
9-10 AM	754	0.0	1500	754	0	0.50	0	65.0	52.2	42.5
10-11 AM	892	0.0	1500	892	0	0.51	0	64.7	51.8	42.0
11AM-NOON	961	0.0	1500	961	0	0.52	0	64.6	51.6	41.8
NOON-1PM	956	0.0	1500	956	0	0.51	0	64.6	51.6	41.9
1-2 PM	944	0.0	1500	944	0	0.51	0	64.6	51.6	41.9
2-3 PM	1009	0.0	1500	1009	0	0.52	0	64.5	51.4	41.7
3-4 PM	959	0.0	1500	959	0	0.52	0	64.6	51.6	41.8
4-5 PM	914	0.0	1500	914	0	0.51	0	64.7	51.7	42.0
5-6 PM	795	0.0	1500	795	0	0.50	0	64.9	52.1	42.4
6-7 PM	630	0.0	1500	630	0	0.48	0	65.2	52.7	43.0
7-8 PM	493	0.0	1500	493	0	0.47	0	65.5	53.1	43.5
8-9 PM	368	0.0	1500	368	0	0.46	0	65.7	53.5	44.0
9-10 PM	244	0.0	1500	244	0	0.45	0	66.0	53.9	44.5
10-11 PM	178	0.0	1500	178	0	0.44	0	66.1	54.2	44.8
11PM-MID	104	0.0	1500	104	0	0.43	0	66.2	54.4	45.1

----- 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	0.0042
MAIN ROUTE WITH WORKS	0.0034
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

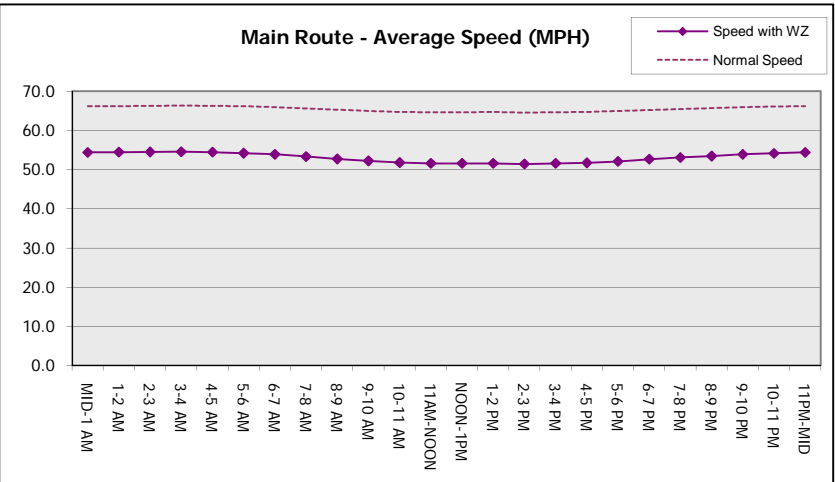
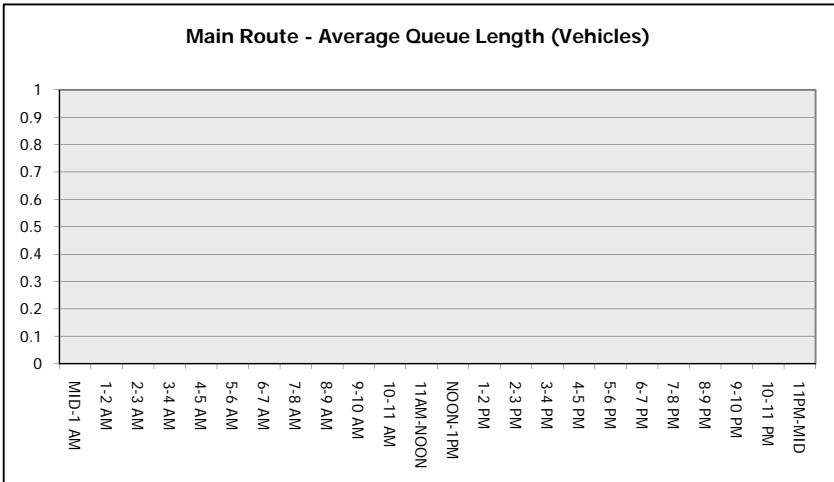
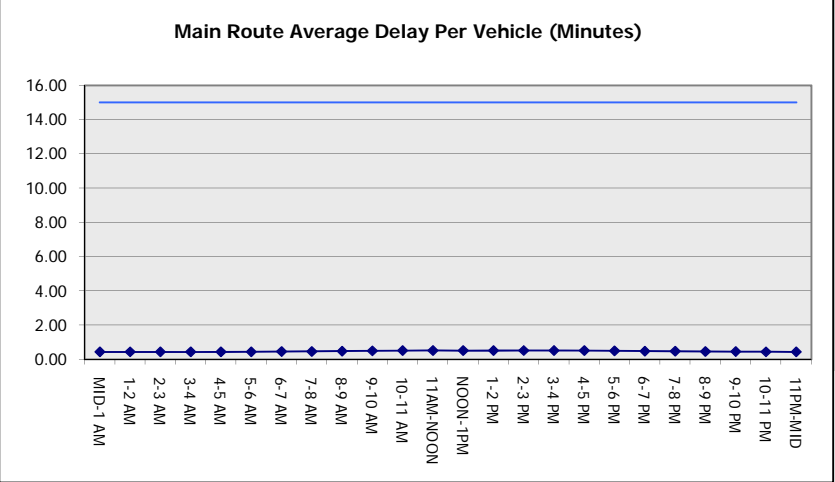
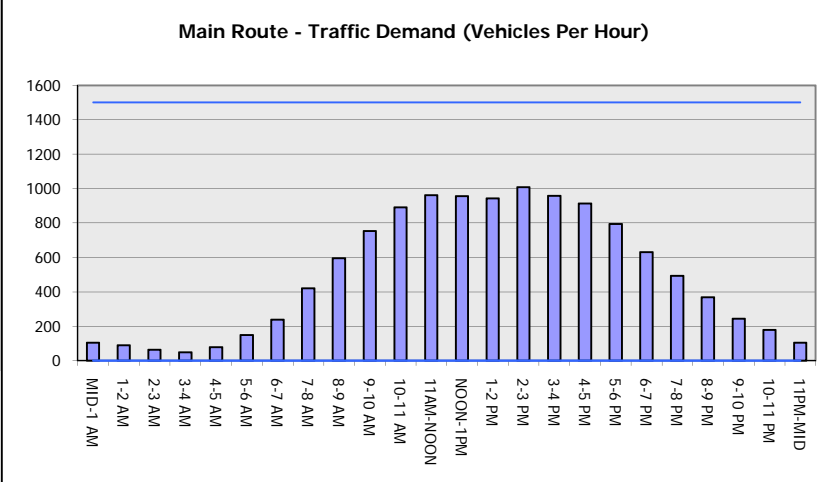
ROAD USER COSTS PER DAY	\$1,519
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



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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	66	0.0	1500	66	0	0.43	0	66.3	54.5	45.2
1-2 AM	64	0.0	1500	64	0	0.43	0	66.3	54.5	45.2
2-3 AM	41	0.0	1500	41	0	0.43	0	66.3	54.6	45.3
3-4 AM	61	0.0	1500	61	0	0.43	0	66.3	54.5	45.3
4-5 AM	113	0.0	1500	113	0	0.43	0	66.2	54.3	45.0
5-6 AM	251	0.0	1500	251	0	0.45	0	65.9	53.9	44.5
6-7 AM	293	0.0	1500	293	0	0.45	0	65.8	53.7	44.3
7-8 AM	534	0.0	1500	534	0	0.47	0	65.4	53.0	43.3
8-9 AM	699	0.0	1500	699	0	0.49	0	65.1	52.4	42.8
9-10 AM	910	0.0	1500	910	0	0.51	0	64.7	51.7	42.0
10-11 AM	1037	0.0	1500	1037	0	0.52	0	64.5	51.4	41.5
11AM-NOON	1086	0.0	1500	1086	0	0.53	0	64.3	51.2	41.4
NOON-1PM	1042	0.0	1500	1042	0	0.52	0	64.5	51.4	41.5
1-2 PM	1056	0.0	1500	1056	0	0.52	0	64.4	51.3	41.5
2-3 PM	1063	0.0	1500	1063	0	0.53	0	64.4	51.2	41.5
3-4 PM	1061	0.0	1500	1061	0	0.52	0	64.4	51.3	41.5
4-5 PM	1020	0.0	1500	1020	0	0.52	0	64.5	51.4	41.6
5-6 PM	844	0.0	1500	844	0	0.50	0	64.8	51.9	42.2
6-7 PM	741	0.0	1500	741	0	0.49	0	65.0	52.3	42.6
7-8 PM	559	0.0	1500	559	0	0.48	0	65.3	52.8	43.3
8-9 PM	478	0.0	1500	478	0	0.47	0	65.5	53.2	43.6
9-10 PM	301	0.0	1500	301	0	0.45	0	65.8	53.7	44.3
10-11 PM	152	0.0	1500	152	0	0.44	0	66.1	54.2	44.9
11PM-MID	83	0.0	1500	83	0	0.43	0	66.2	54.5	45.1

----- 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	0.0047
MAIN ROUTE WITH WORKS	0.0039
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,743
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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