

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

MON-THUR 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	71	0.0	1500	71	0	0.43	0	66.3	54.5	45.2	
1-2 AM	66	0.0	1500	66	0	0.43	0	66.3	54.5	45.2	
2-3 AM	74	0.0	1500	74	0	0.43	0	66.3	54.5	45.2	
3-4 AM	102	0.0	1500	102	0	0.43	0	66.2	54.4	45.1	
4-5 AM	286	0.0	1500	286	0	0.45	0	65.8	53.8	44.3	
5-6 AM	649	0.0	1500	649	0	0.49	0	65.2	52.5	43.0	
6-7 AM	826	0.0	1500	826	0	0.50	0	64.8	52.0	42.3	
7-8 AM	881	0.0	1500	881	0	0.51	0	64.8	51.9	42.1	
8-9 AM	785	0.0	1500	785	0	0.50	0	64.9	52.1	42.4	
9-10 AM	777	0.0	1500	777	0	0.50	0	65.0	52.2	42.5	
10-11 AM	810	0.0	1500	810	0	0.50	0	64.9	52.0	42.4	
11AM-NOON	861	0.0	1500	861	0	0.51	0	64.8	51.9	42.2	
NOON-1PM	903	0.0	1500	903	0	0.51	0	64.7	51.8	42.0	
1-2 PM	1160	0.0	1500	1160	0	0.58	0	64.2	50.0	39.7	
2-3 PM	1341	0.0	1499	1341	0	0.82	0	63.9	45.8	34.5	
3-4 PM	1561	0.0	1499	1561	0	1.91	26	63.5	33.0	30.8	
4-5 PM	1486	0.0	1499	1486	0	3.61	70	63.6	23.2	30.8	
5-6 PM	1066	0.0	1500	1066	0	0.65	3	64.4	48.9	40.6	
6-7 PM	717	0.0	1500	717	0	0.49	0	65.0	52.4	42.7	
7-8 PM	607	0.0	1500	607	0	0.48	0	65.3	52.7	43.1	
8-9 PM	487	0.0	1500	487	0	0.47	0	65.5	53.1	43.5	
9-10 PM	358	0.0	1500	358	0	0.46	0	65.7	53.5	44.0	
10-11 PM	211	0.0	1500	211	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	0.0057
MAIN ROUTE WITH WORKS	0.0046
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

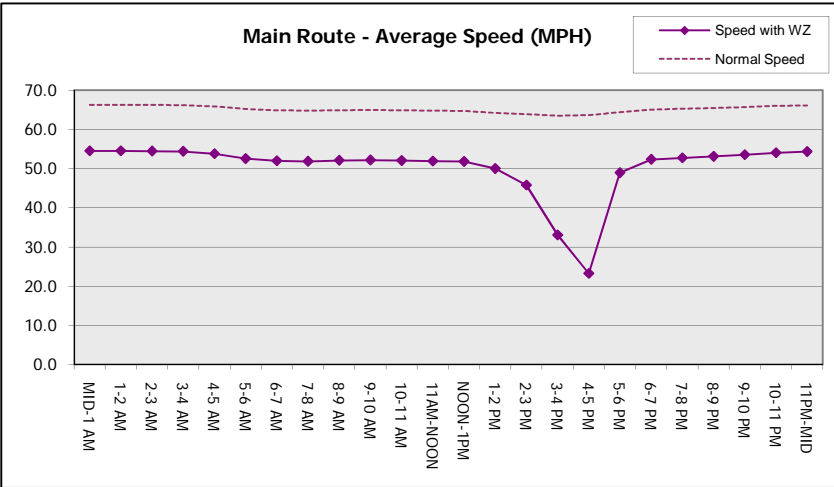
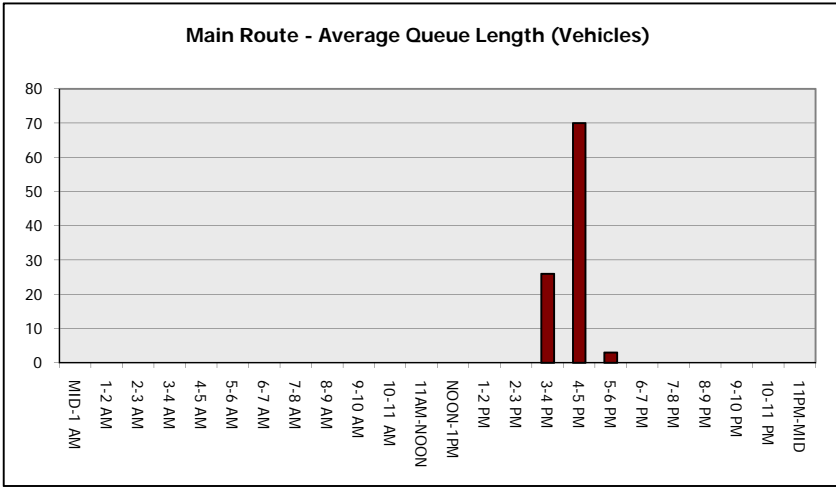
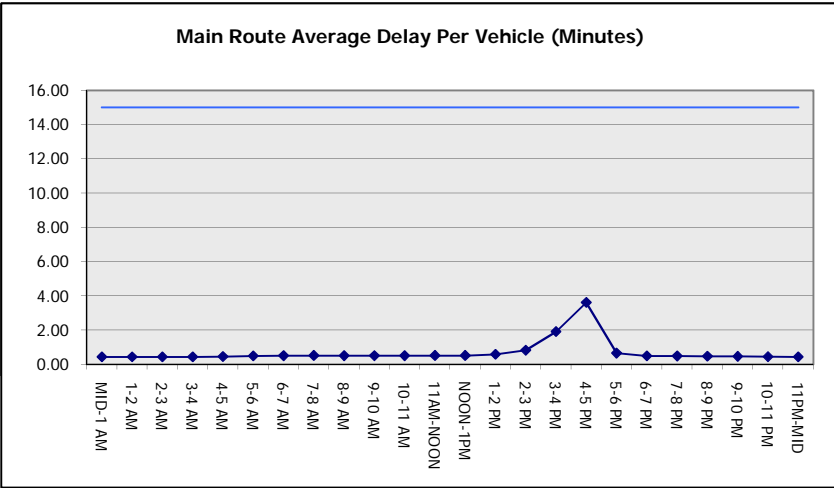
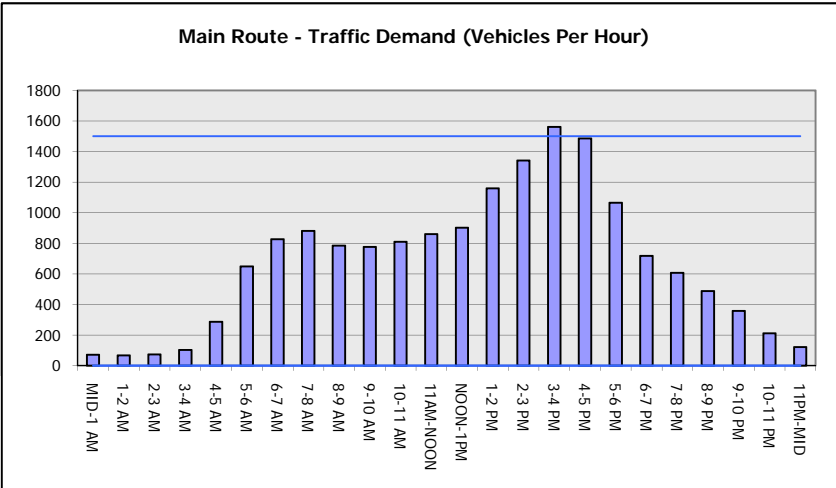
ROAD USER COSTS PER DAY	\$3,074
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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

MON-THUR 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	64	0.0	1500	64	0	0.43	0	66.3	54.5	45.2
1-2 AM	58	0.0	1500	58	0	0.43	0	66.3	54.5	45.3
2-3 AM	85	0.0	1500	85	0	0.43	0	66.2	54.5	45.1
3-4 AM	218	0.0	1500	218	0	0.44	0	66.0	54.0	44.6
4-5 AM	824	0.0	1500	824	0	0.50	0	64.8	52.0	42.3
5-6 AM	1585	0.0	1499	1585	0	1.70	24	63.4	34.9	31.1
6-7 AM	1719	0.0	1500	1719	0	8.66	216	63.2	12.9	30.8
7-8 AM	1314	0.0	1499	1314	0	9.94	247	64.0	11.7	31.2
8-9 AM	962	0.0	1500	962	0	0.89	17	64.6	45.0	41.6
9-10 AM	865	0.0	1500	865	0	0.51	0	64.8	51.9	42.2
10-11 AM	866	0.0	1500	866	0	0.51	0	64.8	51.9	42.2
11AM-NOON	914	0.0	1500	914	0	0.51	0	64.7	51.7	42.0
NOON-1PM	940	0.0	1500	940	0	0.51	0	64.6	51.7	41.9
1-2 PM	986	0.0	1500	986	0	0.52	0	64.5	51.5	41.7
2-3 PM	1088	0.0	1500	1088	0	0.53	0	64.3	51.2	41.4
3-4 PM	1042	0.0	1500	1042	0	0.52	0	64.5	51.4	41.5
4-5 PM	1089	0.0	1500	1089	0	0.53	0	64.3	51.2	41.4
5-6 PM	811	0.0	1500	811	0	0.50	0	64.9	52.0	42.4
6-7 PM	589	0.0	1500	589	0	0.48	0	65.3	52.8	43.2
7-8 PM	480	0.0	1500	480	0	0.47	0	65.5	53.1	43.6
8-9 PM	432	0.0	1500	432	0	0.46	0	65.6	53.3	43.8
9-10 PM	280	0.0	1500	280	0	0.45	0	65.9	53.8	44.3
10-11 PM	153	0.0	1500	153	0	0.44	0	66.1	54.2	44.9
11PM-MID	103	0.0	1500	103	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	0.0061
MAIN ROUTE WITH WORKS	0.0050
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS

ROAD USER COSTS PER DAY	\$7,422
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

