

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

FRIDAY 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	98	0.0	1500	98	0	0.43	0	66.2	54.4	45.1	
1-2 AM	80	0.0	1500	80	0	0.43	0	66.3	54.5	45.1	
2-3 AM	92	0.0	1500	92	0	0.43	0	66.2	54.4	45.1	
3-4 AM	117	0.0	1500	117	0	0.43	0	66.1	54.3	45.0	
4-5 AM	280	0.0	1500	280	0	0.45	0	65.9	53.8	44.3	
5-6 AM	663	0.0	1500	663	0	0.49	0	65.1	52.5	42.9	
6-7 AM	916	0.0	1500	916	0	0.51	0	64.7	51.7	42.0	
7-8 AM	977	0.0	1500	977	0	0.52	0	64.6	51.5	41.7	
8-9 AM	844	0.0	1500	844	0	0.50	0	64.8	51.9	42.2	
9-10 AM	892	0.0	1500	892	0	0.51	0	64.7	51.8	42.0	
10-11 AM	973	0.0	1500	973	0	0.52	0	64.6	51.5	41.8	
11AM-NOON	1060	0.0	1500	1060	0	0.52	0	64.4	51.3	41.5	
NOON-1PM	1168	0.0	1500	1168	0	0.60	0	64.2	49.8	39.5	
1-2 PM	1373	0.0	1499	1373	0	0.86	0	63.8	45.1	33.7	
2-3 PM	1581	0.0	1499	1581	0	2.06	31	63.5	31.9	30.8	
3-4 PM	1654	0.0	1500	1654	0	6.64	158	63.3	15.2	30.8	
4-5 PM	1565	0.0	1499	1565	0	11.40	280	63.5	10.8	30.8	
5-6 PM	1235	0.0	1499	1235	0	7.12	188	64.1	14.8	32.8	
6-7 PM	897	0.0	1500	897	0	0.54	1	64.7	51.1	42.0	
7-8 PM	727	0.0	1500	727	0	0.49	0	65.0	52.3	42.7	
8-9 PM	617	0.0	1500	617	0	0.48	0	65.3	52.7	43.0	
9-10 PM	547	0.0	1500	547	0	0.48	0	65.4	52.9	43.3	
10-11 PM	362	0.0	1500	362	0	0.46	0	65.7	53.5	44.0	
11PM-MID	214	0.0	1500	214	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

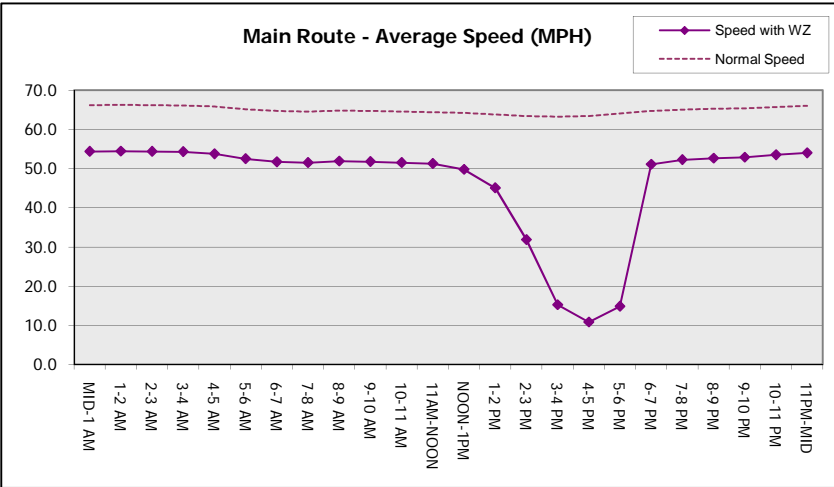
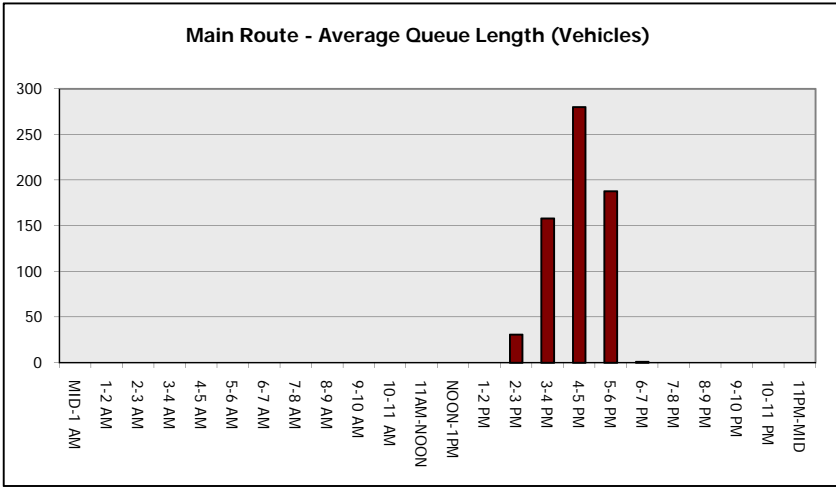
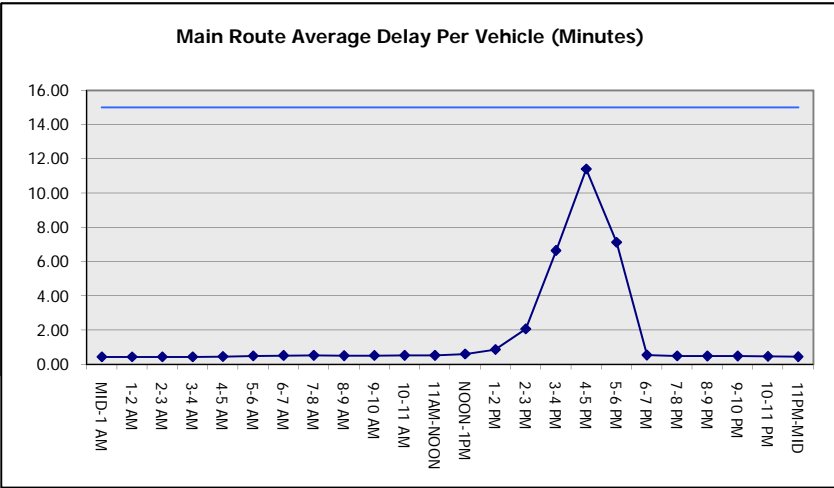
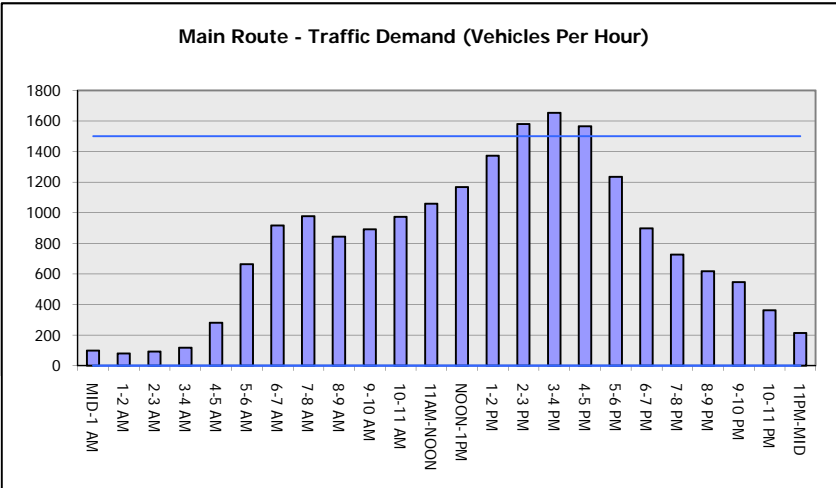
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0066
MAIN ROUTE WITH WORKS	0.0054
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$10,393
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY 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

FRIDAY 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	69	0.0	1500	69	0	0.43	0	66.3	54.5	45.2
1-2 AM	71	0.0	1500	71	0	0.43	0	66.3	54.5	45.2
2-3 AM	92	0.0	1500	92	0	0.43	0	66.2	54.4	45.1
3-4 AM	210	0.0	1500	210	0	0.44	0	66.0	54.0	44.6
4-5 AM	777	0.0	1500	777	0	0.50	0	65.0	52.2	42.5
5-6 AM	1518	0.0	1499	1518	0	1.44	16	63.5	37.5	31.8
6-7 AM	1680	0.0	1500	1680	0	6.64	160	63.3	15.3	30.8
7-8 AM	1342	0.0	1499	1342	0	7.71	188	63.9	13.8	31.4
8-9 AM	957	0.0	1500	957	0	0.69	7	64.6	48.3	41.8
9-10 AM	956	0.0	1500	956	0	0.51	0	64.6	51.6	41.9
10-11 AM	1031	0.0	1500	1031	0	0.52	0	64.5	51.4	41.5
11AM-NOON	1056	0.0	1500	1056	0	0.52	0	64.4	51.3	41.5
NOON-1PM	1104	0.0	1500	1104	0	0.53	0	64.3	51.1	41.3
1-2 PM	1150	0.0	1500	1150	0	0.57	0	64.3	50.2	40.1
2-3 PM	1262	0.0	1500	1262	0	0.72	0	64.0	47.5	36.6
3-4 PM	1231	0.0	1500	1231	0	0.68	0	64.1	48.3	37.5
4-5 PM	1209	0.0	1500	1209	0	0.65	0	64.1	48.7	38.1
5-6 PM	955	0.0	1500	955	0	0.51	0	64.6	51.6	41.9
6-7 PM	731	0.0	1500	731	0	0.49	0	65.0	52.3	42.7
7-8 PM	565	0.0	1500	565	0	0.48	0	65.3	52.8	43.3
8-9 PM	496	0.0	1500	496	0	0.47	0	65.5	53.1	43.5
9-10 PM	368	0.0	1500	368	0	0.46	0	65.7	53.5	44.0
10-11 PM	219	0.0	1500	219	0	0.44	0	66.0	54.0	44.6
11PM-MID	135	0.0	1500	135	0	0.44	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	0.0067
MAIN ROUTE WITH WORKS	0.0054
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$6,926
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

