

USH 151: CTH PD TO CTH PB (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	134	0.0	1500	134	0	0.44	0	66.1	54.3	45.0
1-2 AM	106	0.0	1500	106	0	0.43	0	66.2	54.4	45.1
2-3 AM	64	0.0	1500	64	0	0.43	0	66.3	54.5	45.2
3-4 AM	40	0.0	1500	40	0	0.43	0	66.3	54.6	45.3
4-5 AM	71	0.0	1500	71	0	0.43	0	66.3	54.5	45.2
5-6 AM	120	0.0	1500	120	0	0.43	0	66.1	54.3	45.0
6-7 AM	240	0.0	1500	240	0	0.45	0	66.0	53.9	44.5
7-8 AM	407	0.0	1500	407	0	0.46	0	65.6	53.3	43.8
8-9 AM	592	0.0	1500	592	0	0.48	0	65.3	52.8	43.2
9-10 AM	789	0.0	1500	789	0	0.50	0	64.9	52.1	42.4
10-11 AM	992	0.0	1500	992	0	0.52	0	64.5	51.5	41.7
11AM-NOON	1089	0.0	1500	1089	0	0.53	0	64.3	51.2	41.4
NOON-1PM	1064	0.0	1500	1064	0	0.53	0	64.4	51.2	41.5
1-2 PM	1073	0.0	1500	1073	0	0.53	0	64.4	51.2	41.4
2-3 PM	1072	0.0	1500	1072	0	0.53	0	64.4	51.2	41.4
3-4 PM	1046	0.0	1500	1046	0	0.52	0	64.5	51.3	41.5
4-5 PM	983	0.0	1500	983	0	0.52	0	64.6	51.5	41.7
5-6 PM	855	0.0	1500	855	0	0.51	0	64.8	51.9	42.2
6-7 PM	725	0.0	1500	725	0	0.49	0	65.0	52.4	42.7
7-8 PM	597	0.0	1500	597	0	0.48	0	65.3	52.7	43.2
8-9 PM	461	0.0	1500	461	0	0.47	0	65.5	53.2	43.7
9-10 PM	291	0.0	1500	291	0	0.45	0	65.8	53.8	44.3
10-11 PM	207	0.0	1500	207	0	0.44	0	66.0	54.0	44.6
11PM-MID	108	0.0	1500	108	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

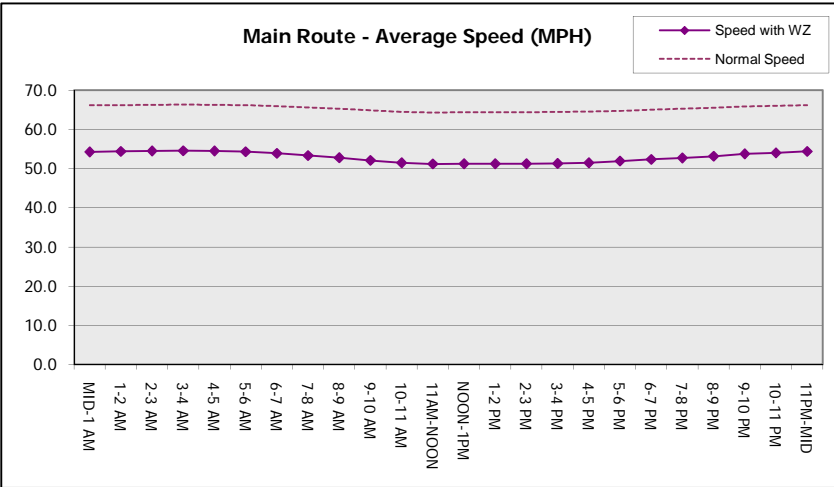
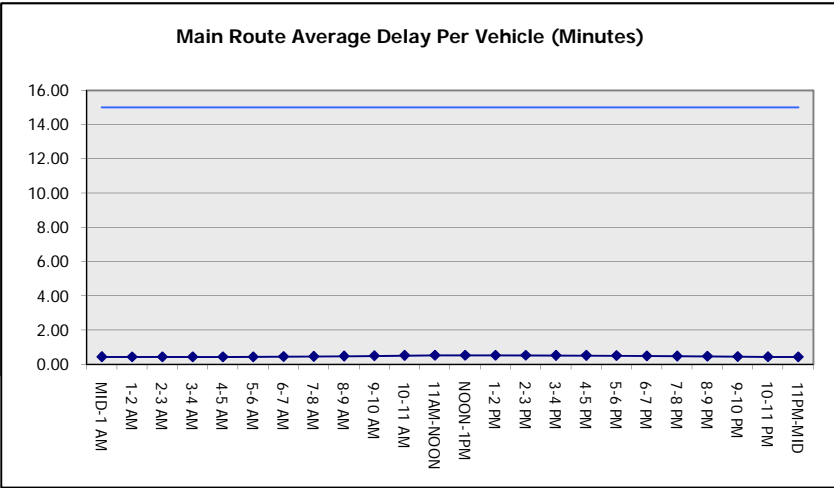
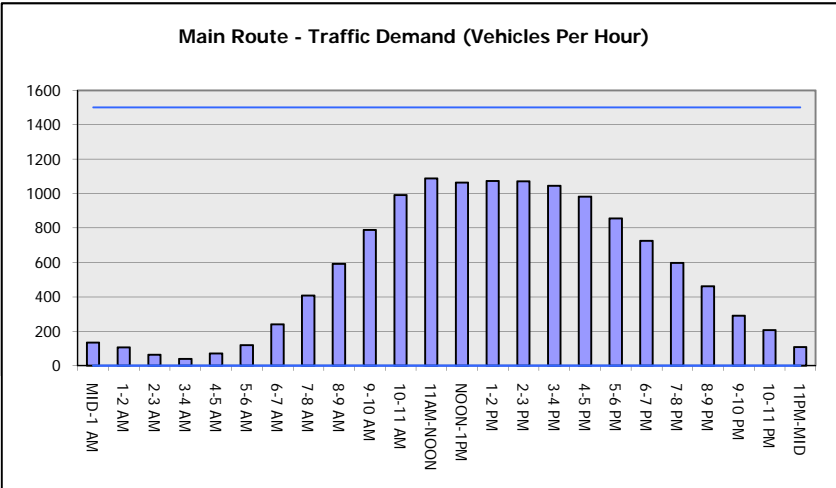
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0046
MAIN ROUTE WITH WORKS	0.0037
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,702
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



USH 151: CTH PD TO CTH PB (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	76	0.0	1500	76	0	0.43	0	66.3	54.5	45.2
1-2 AM	70	0.0	1500	70	0	0.43	0	66.3	54.5	45.2
2-3 AM	45	0.0	1500	45	0	0.43	0	66.3	54.6	45.3
3-4 AM	56	0.0	1500	56	0	0.43	0	66.3	54.5	45.3
4-5 AM	105	0.0	1500	105	0	0.43	0	66.2	54.4	45.1
5-6 AM	217	0.0	1500	217	0	0.44	0	66.0	54.0	44.6
6-7 AM	278	0.0	1500	278	0	0.45	0	65.9	53.8	44.4
7-8 AM	456	0.0	1500	456	0	0.47	0	65.5	53.2	43.7
8-9 AM	733	0.0	1500	733	0	0.49	0	65.0	52.3	42.7
9-10 AM	965	0.0	1500	965	0	0.52	0	64.6	51.5	41.8
10-11 AM	1104	0.0	1500	1104	0	0.53	0	64.3	51.1	41.3
11AM-NOON	1158	0.0	1500	1158	0	0.58	0	64.2	50.1	39.9
NOON-1PM	1188	0.0	1500	1188	0	0.62	0	64.1	49.3	38.8
1-2 PM	1267	0.0	1500	1267	0	0.72	0	64.0	47.4	36.4
2-3 PM	1202	0.0	1500	1202	0	0.64	0	64.1	48.9	38.4
3-4 PM	1214	0.0	1500	1214	0	0.65	0	64.1	48.6	38.0
4-5 PM	1044	0.0	1500	1044	0	0.52	0	64.5	51.3	41.5
5-6 PM	868	0.0	1500	868	0	0.51	0	64.8	51.9	42.2
6-7 PM	723	0.0	1500	723	0	0.49	0	65.0	52.4	42.7
7-8 PM	573	0.0	1500	573	0	0.48	0	65.3	52.8	43.2
8-9 PM	457	0.0	1500	457	0	0.47	0	65.5	53.2	43.7
9-10 PM	277	0.0	1500	277	0	0.45	0	65.9	53.8	44.4
10-11 PM	147	0.0	1500	147	0	0.44	0	66.1	54.2	44.9
11PM-MID	97	0.0	1500	97	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	0.0050
MAIN ROUTE WITH WORKS	0.0041
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,051
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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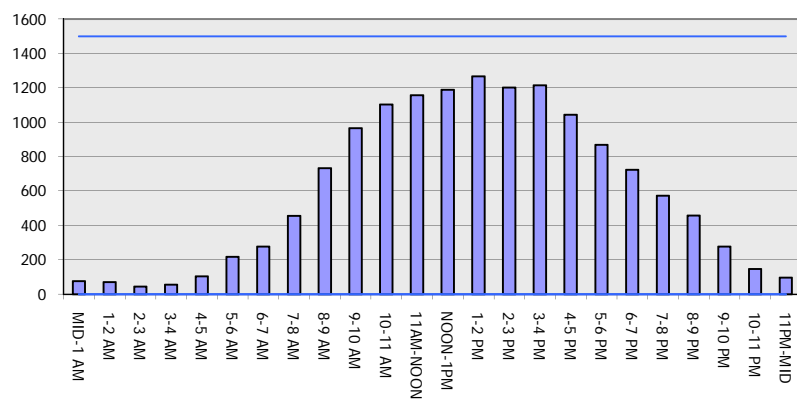
AUGUST

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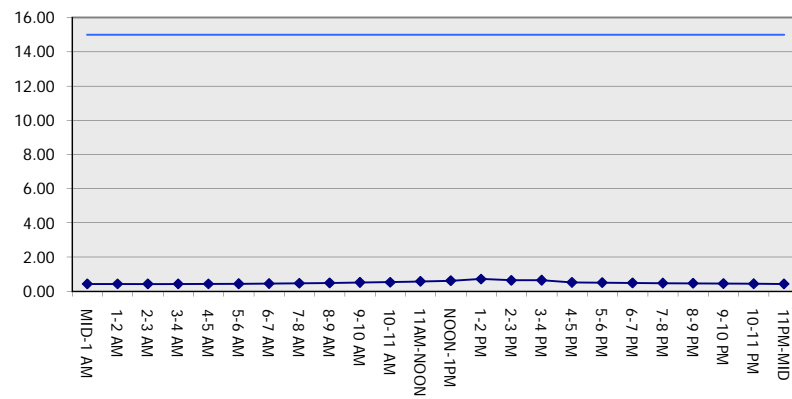
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY EASTBOUND DIRECTION

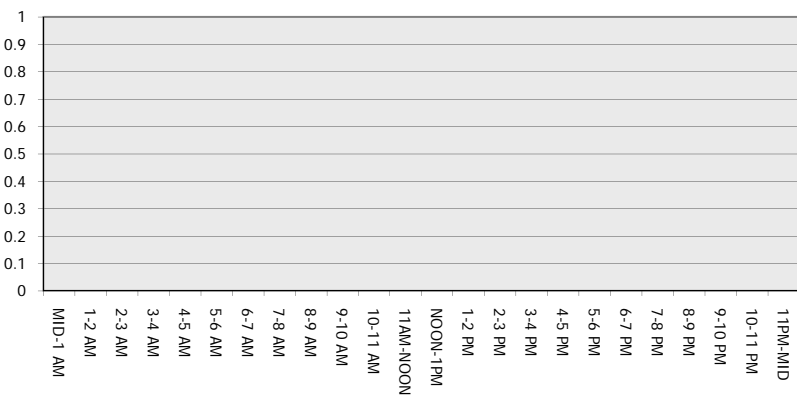
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

