

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

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	113	0.0	1500	113	0	0.43	0	66.2	54.3	45.0	
1-2 AM	93	0.0	1500	93	0	0.43	0	66.2	54.4	45.1	
2-3 AM	84	0.0	1500	84	0	0.43	0	66.2	54.5	45.1	
3-4 AM	102	0.0	1500	102	0	0.43	0	66.2	54.4	45.1	
4-5 AM	295	0.0	1500	295	0	0.45	0	65.8	53.7	44.3	
5-6 AM	582	0.0	1500	582	0	0.48	0	65.3	52.8	43.2	
6-7 AM	901	0.0	1500	901	0	0.51	0	64.7	51.8	42.0	
7-8 AM	943	0.0	1500	943	0	0.51	0	64.6	51.6	41.9	
8-9 AM	888	0.0	1500	888	0	0.51	0	64.7	51.8	42.0	
9-10 AM	988	0.0	1500	988	0	0.52	0	64.5	51.5	41.7	
10-11 AM	1129	0.0	1500	1129	0	0.55	0	64.3	50.8	40.9	
11AM-NOON	1220	0.0	1500	1220	0	0.66	0	64.1	48.5	37.8	
NOON-1PM	1304	0.0	1499	1304	0	0.77	0	64.0	46.6	35.4	
1-2 PM	1552	0.0	1499	1552	0	1.48	14	63.5	37.1	30.8	
2-3 PM	1694	0.0	1500	1694	0	5.85	142	63.2	16.7	30.8	
3-4 PM	1796	0.0	1500	1648	148	14.63+	372	63.0	9.6	30.8	
4-5 PM	1729	0.0	1500	1513	217	16.69+	423	63.2	9.0	30.8	
5-6 PM	1276	0.0	1500	1276	0	12.70+	322	64.0	10.3	31.1	
6-7 PM	902	0.0	1500	902	0	1.10	31	64.7	42.0	41.7	
7-8 PM	747	0.0	1500	747	0	0.49	0	65.0	52.2	42.6	
8-9 PM	659	0.0	1500	659	0	0.49	0	65.1	52.5	42.9	
9-10 PM	534	0.0	1500	534	0	0.47	0	65.4	53.0	43.3	
10-11 PM	364	0.0	1500	364	0	0.46	0	65.7	53.5	44.0	
11PM-MID	230	0.0	1500	230	0	0.44	0	66.0	54.0	44.6	

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- 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

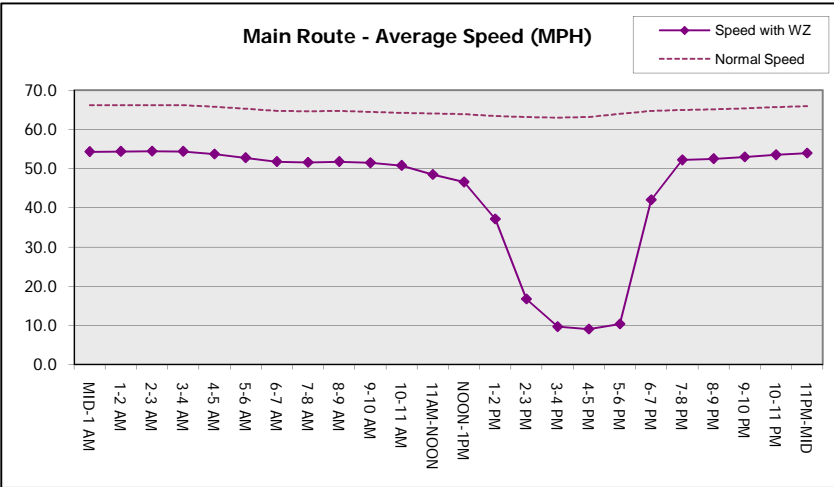
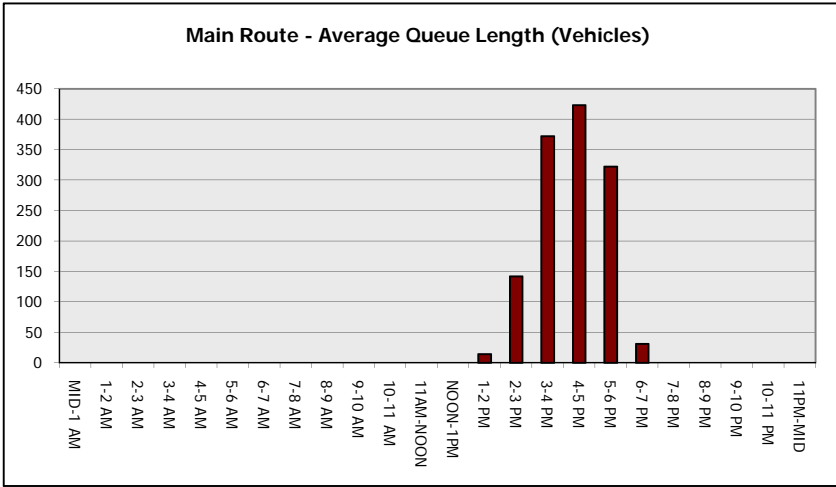
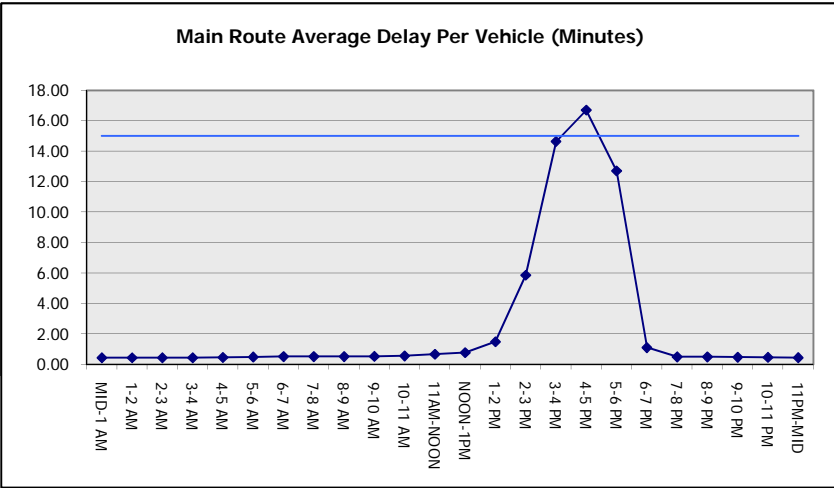
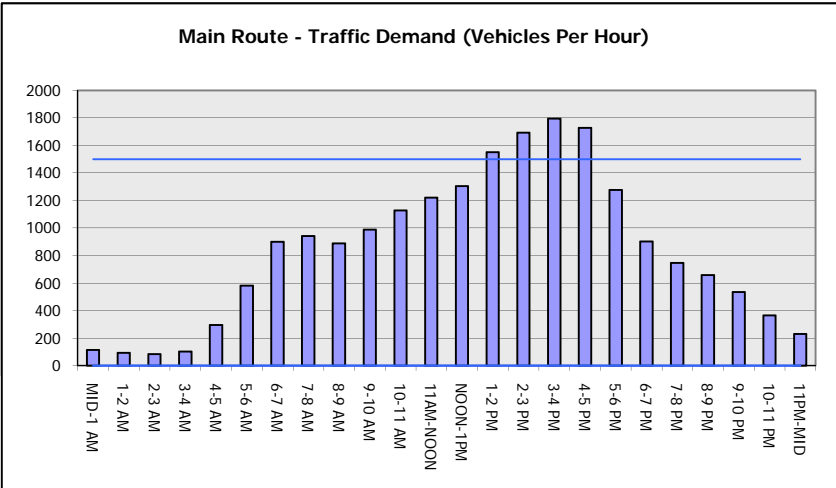
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0070
MAIN ROUTE WITH WORKS	0.0056
'DIVERSION'	0.0003
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$19,984
CONGESTED HOURS PER DAY*	3

*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)	AUGUST
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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	78	0.0	1500	78	0	0.43	0	66.3	54.5	45.2
1-2 AM	76	0.0	1500	76	0	0.43	0	66.3	54.5	45.2
2-3 AM	100	0.0	1500	100	0	0.43	0	66.2	54.4	45.1
3-4 AM	201	0.0	1500	201	0	0.44	0	66.0	54.0	44.6
4-5 AM	782	0.0	1500	782	0	0.50	0	65.0	52.2	42.5
5-6 AM	1504	0.0	1499	1504	0	1.39	15	63.6	38.0	32.0
6-7 AM	1717	0.0	1500	1717	0	6.99	173	63.2	14.8	30.8
7-8 AM	1358	0.0	1499	1358	0	9.23	225	63.8	12.2	30.9
8-9 AM	1104	0.0	1500	1104	0	1.12	25	64.3	41.7	39.6
9-10 AM	1071	0.0	1500	1071	0	0.53	0	64.4	51.2	41.4
10-11 AM	1149	0.0	1500	1149	0	0.57	0	64.3	50.3	40.2
11AM-NOON	1166	0.0	1500	1166	0	0.59	0	64.2	49.8	39.6
NOON-1PM	1212	0.0	1500	1212	0	0.65	0	64.1	48.7	38.1
1-2 PM	1222	0.0	1500	1222	0	0.66	0	64.1	48.4	37.8
2-3 PM	1282	0.0	1500	1282	0	0.74	0	64.0	47.1	36.0
3-4 PM	1280	0.0	1500	1280	0	0.74	0	64.0	47.1	36.1
4-5 PM	1290	0.0	1500	1290	0	0.75	0	64.0	46.9	35.8
5-6 PM	1049	0.0	1500	1049	0	0.52	0	64.5	51.3	41.5
6-7 PM	714	0.0	1500	714	0	0.49	0	65.1	52.4	42.7
7-8 PM	596	0.0	1500	596	0	0.48	0	65.3	52.7	43.2
8-9 PM	476	0.0	1500	476	0	0.47	0	65.5	53.2	43.6
9-10 PM	387	0.0	1500	387	0	0.46	0	65.6	53.4	44.0
10-11 PM	255	0.0	1500	255	0	0.45	0	65.9	53.8	44.5
11PM-MID	156	0.0	1500	156	0	0.44	0	66.1	54.2	44.8

----- 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	0.0071
MAIN ROUTE WITH WORKS	0.0057
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$8,064
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

