

STH 441: USH 10 TO CTH CE (OUTAGAMIE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY SOUTHBOUND 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	210	0.0	1500	210	0	0.44	0	66.0	58.3	44.6
1-2 AM	121	0.0	1500	121	0	0.43	0	66.1	58.6	45.0
2-3 AM	133	0.0	1500	133	0	0.44	0	66.1	58.6	45.0
3-4 AM	105	0.0	1500	105	0	0.43	0	66.2	58.6	45.1
4-5 AM	179	0.0	1500	179	0	0.44	0	66.1	58.4	44.8
5-6 AM	306	0.0	1500	306	0	0.45	0	65.8	58.0	44.3
6-7 AM	463	0.0	1500	463	0	0.47	0	65.5	57.6	43.7
7-8 AM	642	0.0	1500	642	0	0.48	0	65.2	57.1	43.0
8-9 AM	916	0.0	1500	916	0	0.51	0	64.7	56.3	42.0
9-10 AM	1028	0.0	1500	1028	0	0.52	0	64.5	56.0	41.6
10-11 AM	1085	0.0	1500	1085	0	0.53	0	64.3	55.8	41.4
11AM-NOON	1080	0.0	1500	1080	0	0.53	0	64.4	55.8	41.4
NOON-1PM	1136	0.0	1500	1136	0	0.55	0	64.3	55.4	40.6
1-2 PM	1061	0.0	1500	1061	0	0.52	0	64.4	55.9	41.5
2-3 PM	994	0.0	1500	994	0	0.52	0	64.5	56.1	41.7
3-4 PM	1005	0.0	1500	1005	0	0.52	0	64.5	56.0	41.7
4-5 PM	913	0.0	1500	913	0	0.51	0	64.7	56.3	42.0
5-6 PM	908	0.0	1500	908	0	0.51	0	64.7	56.3	42.0
6-7 PM	782	0.0	1500	782	0	0.50	0	65.0	56.6	42.5
7-8 PM	630	0.0	1500	630	0	0.48	0	65.2	57.1	43.0
8-9 PM	576	0.0	1500	576	0	0.48	0	65.3	57.3	43.2
9-10 PM	498	0.0	1500	498	0	0.47	0	65.5	57.4	43.5
10-11 PM	387	0.0	1500	387	0	0.46	0	65.6	57.8	44.0
11PM-MID	296	0.0	1500	296	0	0.45	0	65.8	58.1	44.3

----- 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	0.0091
MAIN ROUTE WITH WORKS	0.0081
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

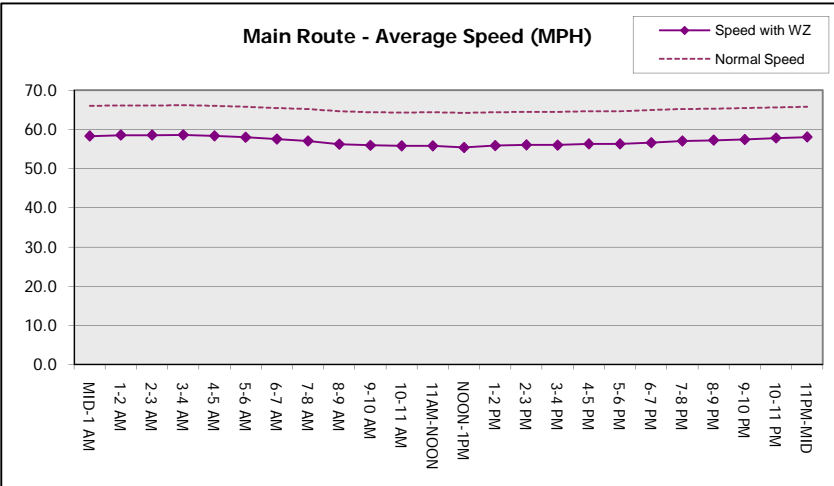
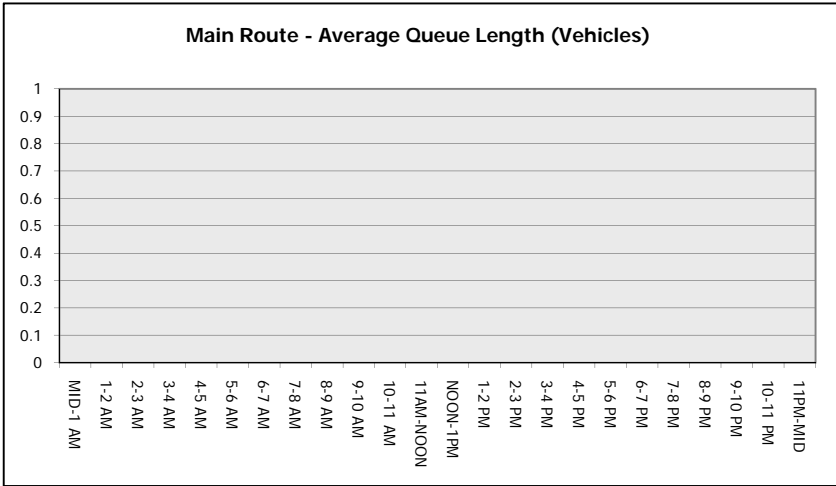
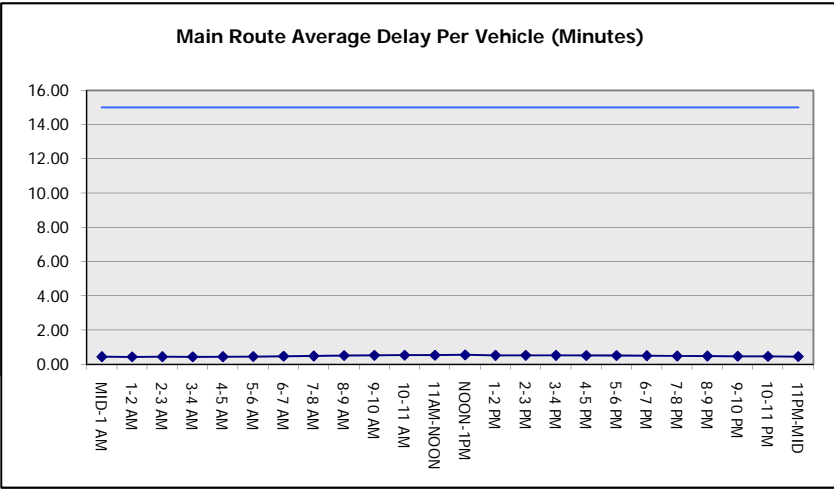
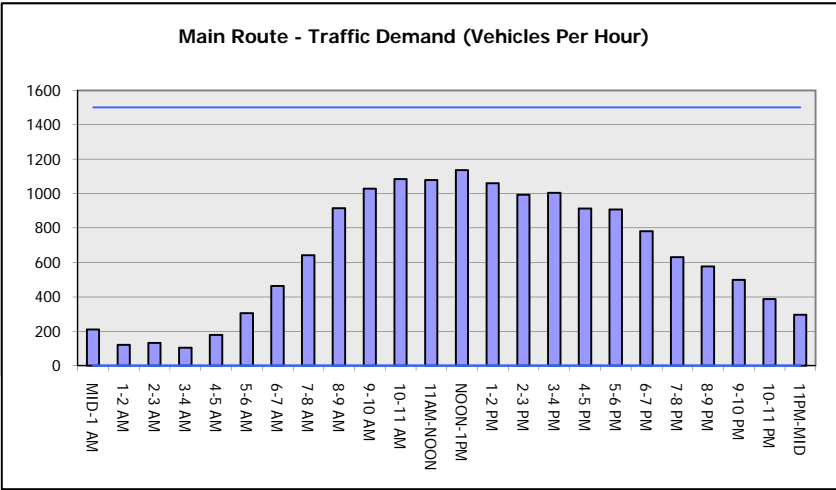
ROAD USER COSTS PER DAY	\$1,999
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY NORTHBOUND 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	293	0.0	1500	293	0	0.45	0	65.8	58.1	44.3
1-2 AM	150	0.0	1500	150	0	0.44	0	66.1	58.5	44.9
2-3 AM	152	0.0	1500	152	0	0.44	0	66.1	58.5	44.9
3-4 AM	91	0.0	1500	91	0	0.43	0	66.2	58.7	45.1
4-5 AM	113	0.0	1500	113	0	0.43	0	66.2	58.6	45.0
5-6 AM	228	0.0	1500	228	0	0.44	0	66.0	58.2	44.6
6-7 AM	446	0.0	1500	446	0	0.47	0	65.6	57.6	43.7
7-8 AM	568	0.0	1500	568	0	0.48	0	65.3	57.3	43.2
8-9 AM	738	0.0	1500	738	0	0.49	0	65.0	56.8	42.6
9-10 AM	919	0.0	1500	919	0	0.51	0	64.6	56.3	42.0
10-11 AM	1108	0.0	1500	1108	0	0.53	0	64.3	55.8	41.3
11AM-NOON	1265	0.0	1500	1265	0	0.72	0	64.0	53.0	36.5
NOON-1PM	1346	0.0	1500	1346	0	0.83	0	63.9	51.6	34.3
1-2 PM	1348	0.0	1500	1348	0	0.83	0	63.9	51.6	34.3
2-3 PM	1357	0.0	1500	1357	0	0.84	0	63.8	51.4	34.0
3-4 PM	1305	0.0	1500	1305	0	0.77	0	64.0	52.3	35.3
4-5 PM	1343	0.0	1500	1343	0	0.82	0	63.9	51.7	34.3
5-6 PM	1359	0.0	1500	1359	0	0.84	0	63.8	51.4	34.0
6-7 PM	1206	0.0	1500	1206	0	0.65	0	64.1	54.0	38.3
7-8 PM	1007	0.0	1500	1007	0	0.52	0	64.5	56.0	41.7
8-9 PM	869	0.0	1500	869	0	0.51	0	64.8	56.4	42.2
9-10 PM	738	0.0	1500	738	0	0.49	0	65.0	56.8	42.6
10-11 PM	646	0.0	1500	646	0	0.49	0	65.2	57.1	43.0
11PM-MID	412	0.0	1500	412	0	0.46	0	65.6	57.7	43.8

----- 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	0.0112
MAIN ROUTE WITH WORKS	0.0099
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$3,205
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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