

STH 441: USH 10 TO CTH CE (OUTAGAMIE COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	93	0.0	OFF	93	0	0.00	0	66.2	66.2	66.2	
1-2 AM	59	0.0	OFF	59	0	0.00	0	66.3	66.3	66.3	
2-3 AM	60	0.0	OFF	60	0	0.00	0	66.3	66.3	66.3	
3-4 AM	99	0.0	OFF	99	0	0.00	0	66.2	66.2	66.2	
4-5 AM	269	0.0	OFF	269	0	0.00	0	65.9	65.9	65.9	
5-6 AM	833	0.0	OFF	833	0	0.00	0	64.8	64.8	64.8	
6-7 AM	1626	0.0	OFF	1626	0	0.00	0	63.3	63.3	63.3	
7-8 AM	2278	0.0	OFF	2278	0	0.00	0	62.2	62.2	62.2	
8-9 AM	1384	0.0	OFF	1384	0	0.00	0	63.8	63.8	63.8	
9-10 AM	1029	0.0	OFF	1029	0	0.00	0	64.5	64.5	64.5	
10-11 AM	1024	0.0	1500	1024	0	0.52	0	64.5	56.0	41.6	
11AM-NOON	1079	0.0	1500	1079	0	0.53	0	64.4	55.8	41.4	
NOON-1PM	1175	0.0	1500	1175	0	0.60	0	64.2	54.6	39.3	
1-2 PM	1235	0.0	1500	1235	0	0.68	0	64.1	53.5	37.4	
2-3 PM	1326	0.0	1499	1326	0	0.80	0	63.9	52.0	34.8	
3-4 PM	1497	0.0	OFF	1497	0	0.00	0	63.6	63.6	63.6	
4-5 PM	1699	0.0	OFF	1699	0	0.00	0	63.2	63.2	63.2	
5-6 PM	1586	0.0	OFF	1586	0	0.00	0	63.4	63.4	63.4	
6-7 PM	1091	0.0	OFF	1091	0	0.00	0	64.3	64.3	64.3	
7-8 PM	740	0.0	OFF	740	0	0.00	0	65.0	65.0	65.0	
8-9 PM	611	0.0	OFF	611	0	0.00	0	65.3	65.3	65.3	
9-10 PM	518	0.0	OFF	518	0	0.00	0	65.4	65.4	65.4	
10-11 PM	342	0.0	OFF	342	0	0.00	0	65.8	65.8	65.8	
11PM-MID	200	0.0	OFF	200	0	0.00	0	66.0	66.0	66.0	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0129
MAIN ROUTE WITH WORKS	0.0125
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$620
CONGESTED HOURS PER DAY*	0

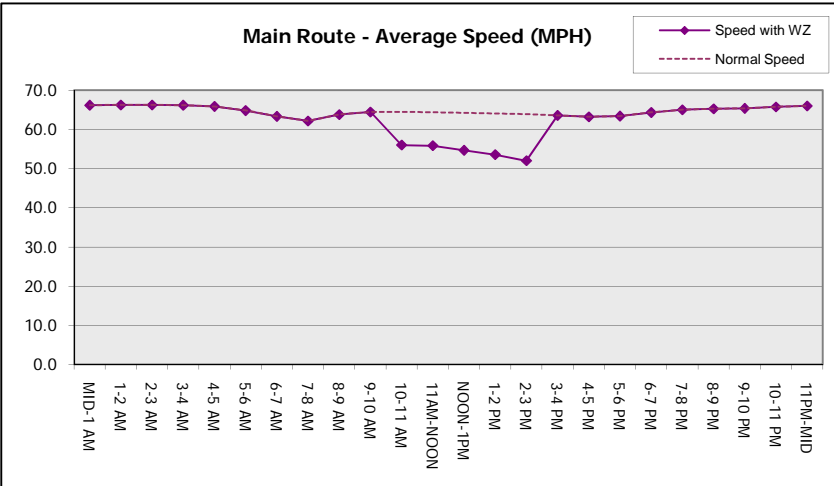
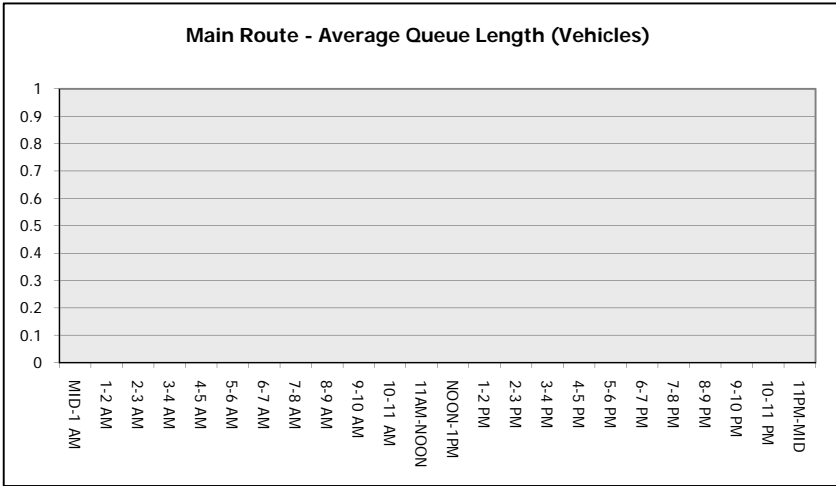
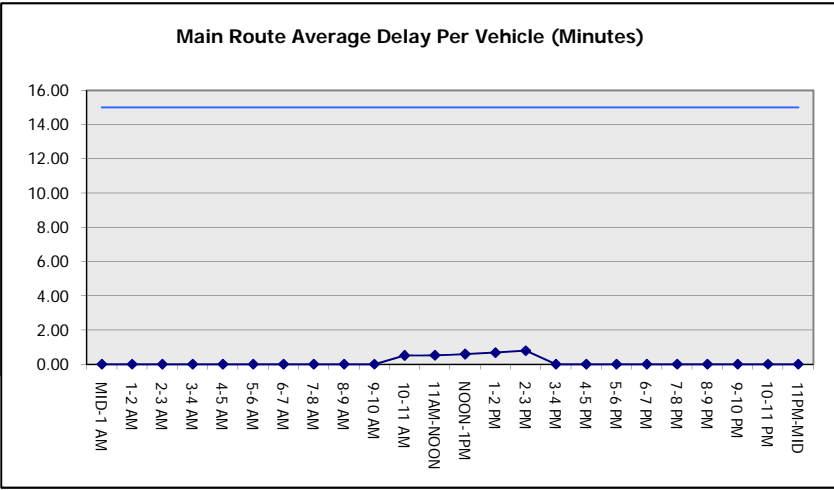
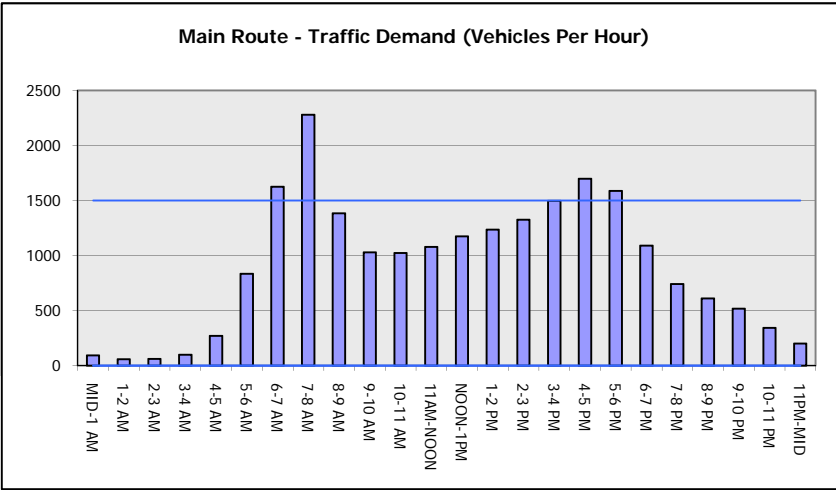
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT
MON-THUR 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	173	0.0	OFF	173	0	0.00	0	66.1	66.1	66.1	
1-2 AM	108	0.0	OFF	108	0	0.00	0	66.2	66.2	66.2	
2-3 AM	86	0.0	OFF	86	0	0.00	0	66.2	66.2	66.2	
3-4 AM	63	0.0	OFF	63	0	0.00	0	66.3	66.3	66.3	
4-5 AM	127	0.0	OFF	127	0	0.00	0	66.1	66.1	66.1	
5-6 AM	462	0.0	OFF	462	0	0.00	0	65.5	65.5	65.5	
6-7 AM	1288	0.0	OFF	1288	0	0.00	0	64.0	64.0	64.0	
7-8 AM	1969	0.0	OFF	1969	0	0.00	0	62.7	62.7	62.7	
8-9 AM	1410	0.0	OFF	1410	0	0.00	0	63.8	63.8	63.8	
9-10 AM	1125	0.0	OFF	1125	0	0.00	0	64.3	64.3	64.3	
10-11 AM	1147	0.0	1500	1147	0	0.57	0	64.3	55.1	40.2	
11AM-NOON	1283	0.0	1500	1283	0	0.74	0	64.0	52.7	36.0	
NOON-1PM	1357	0.0	1500	1357	0	0.84	0	63.8	51.4	34.0	
1-2 PM	1408	0.0	1499	1408	0	0.90	0	63.8	50.6	32.9	
2-3 PM	1926	0.0	1499	1926	0	6.39	184	62.8	22.4	30.8	
3-4 PM	2321	0.0	OFF	2321	0	1.04	54	62.0	48.1	48.1	
4-5 PM	2789	0.0	OFF	2789	0	0.00	0	57.9	57.9	57.9	
5-6 PM	2446	0.0	OFF	2446	0	0.00	0	61.4	61.4	61.4	
6-7 PM	1559	0.0	OFF	1559	0	0.00	0	63.5	63.5	63.5	
7-8 PM	1068	0.0	OFF	1068	0	0.00	0	64.4	64.4	64.4	
8-9 PM	908	0.0	OFF	908	0	0.00	0	64.7	64.7	64.7	
9-10 PM	733	0.0	OFF	733	0	0.00	0	65.0	65.0	65.0	
10-11 PM	596	0.0	OFF	596	0	0.00	0	65.3	65.3	65.3	
11PM-MID	350	0.0	OFF	350	0	0.00	0	65.7	65.7	65.7	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0157
MAIN ROUTE WITH WORKS	0.0152
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$3,130
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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