

STH 441: USH 10 TO CTH CE (OUTAGAMIE COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	114	0.0	OFF	114	0	0.00	0	66.2	66.2	66.2	
1-2 AM	78	0.0	OFF	78	0	0.00	0	66.3	66.3	66.3	
2-3 AM	67	0.0	OFF	67	0	0.00	0	66.3	66.3	66.3	
3-4 AM	102	0.0	OFF	102	0	0.00	0	66.2	66.2	66.2	
4-5 AM	304	0.0	OFF	304	0	0.00	0	65.8	65.8	65.8	
5-6 AM	862	0.0	OFF	862	0	0.00	0	64.8	64.8	64.8	
6-7 AM	1563	0.0	OFF	1563	0	0.00	0	63.5	63.5	63.5	
7-8 AM	2098	0.0	OFF	2098	0	0.00	0	62.5	62.5	62.5	
8-9 AM	1299	0.0	OFF	1299	0	0.00	0	64.0	64.0	64.0	
9-10 AM	1032	0.0	OFF	1032	0	0.00	0	64.5	64.5	64.5	
10-11 AM	1052	0.0	1500	1052	0	0.52	0	64.4	55.9	41.5	
11AM-NOON	1119	0.0	1500	1119	0	0.53	0	64.3	55.7	41.2	
NOON-1PM	1210	0.0	1500	1210	0	0.65	0	64.1	54.0	38.1	
1-2 PM	1319	0.0	1500	1319	0	0.79	0	63.9	52.0	35.0	
2-3 PM	1304	0.0	1500	1304	0	0.77	0	64.0	52.3	35.4	
3-4 PM	1417	0.0	OFF	1417	0	0.00	0	63.7	63.7	63.7	
4-5 PM	1649	0.0	OFF	1649	0	0.00	0	63.3	63.3	63.3	
5-6 PM	1616	0.0	OFF	1616	0	0.00	0	63.4	63.4	63.4	
6-7 PM	1075	0.0	OFF	1075	0	0.00	0	64.4	64.4	64.4	
7-8 PM	720	0.0	OFF	720	0	0.00	0	65.0	65.0	65.0	
8-9 PM	637	0.0	OFF	637	0	0.00	0	65.2	65.2	65.2	
9-10 PM	517	0.0	OFF	517	0	0.00	0	65.4	65.4	65.4	
10-11 PM	418	0.0	OFF	418	0	0.00	0	65.6	65.6	65.6	
11PM-MID	277	0.0	OFF	277	0	0.00	0	65.9	65.9	65.9	

"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

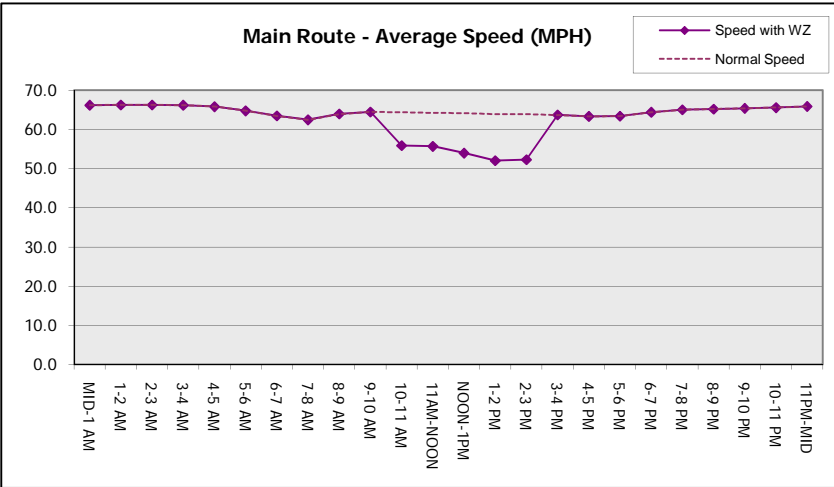
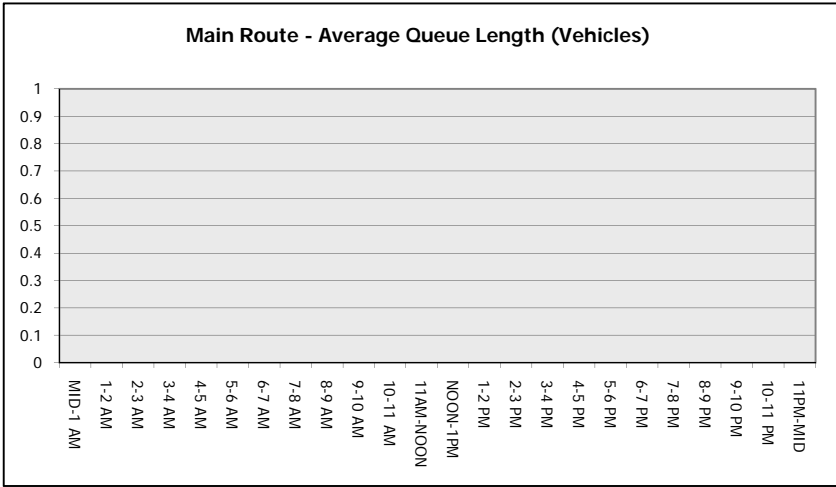
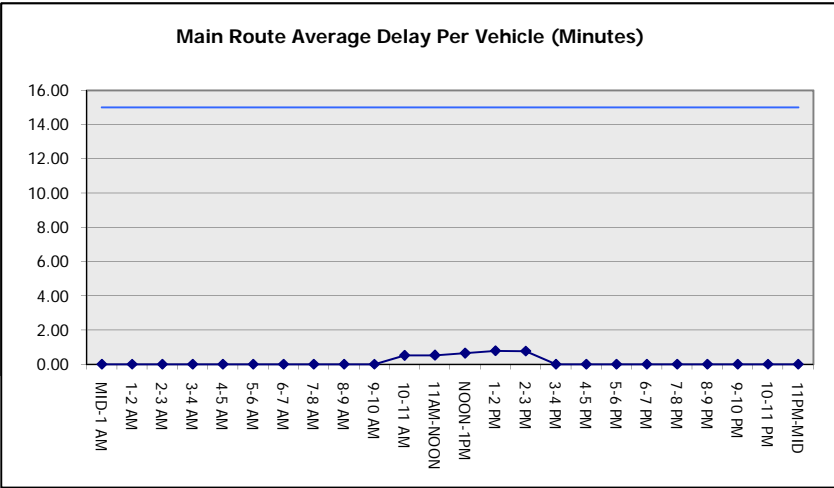
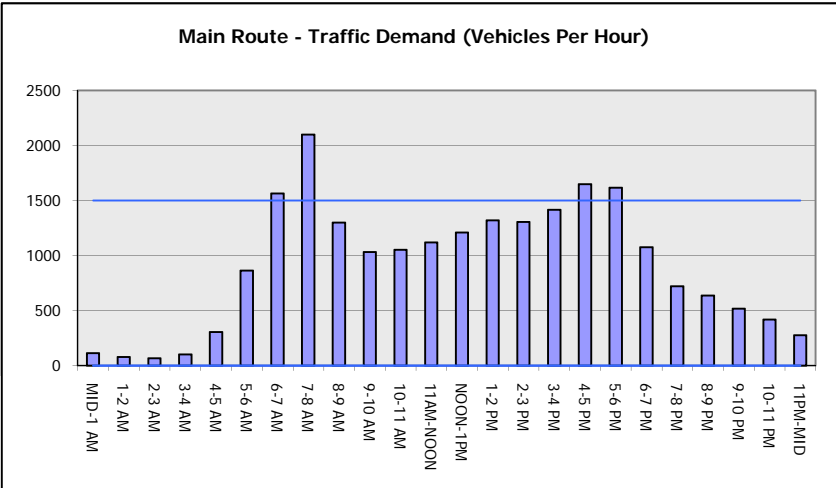
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0129
MAIN ROUTE WITH WORKS	0.0125
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$694
CONGESTED HOURS PER DAY*	0

*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	205	0.0	OFF	205	0	0.00	0	66.0	66.0	66.0
1-2 AM	132	0.0	OFF	132	0	0.00	0	66.1	66.1	66.1
2-3 AM	112	0.0	OFF	112	0	0.00	0	66.2	66.2	66.2
3-4 AM	79	0.0	OFF	79	0	0.00	0	66.3	66.3	66.3
4-5 AM	144	0.0	OFF	144	0	0.00	0	66.1	66.1	66.1
5-6 AM	504	0.0	OFF	504	0	0.00	0	65.5	65.5	65.5
6-7 AM	1270	0.0	OFF	1270	0	0.00	0	64.0	64.0	64.0
7-8 AM	1766	0.0	OFF	1766	0	0.00	0	63.1	63.1	63.1
8-9 AM	1264	0.0	OFF	1264	0	0.00	0	64.0	64.0	64.0
9-10 AM	1103	0.0	OFF	1103	0	0.00	0	64.3	64.3	64.3
10-11 AM	1129	0.0	1500	1129	0	0.55	0	64.3	55.5	40.9
11AM-NOON	1255	0.0	1500	1255	0	0.71	0	64.0	53.2	36.8
NOON-1PM	1334	0.0	1500	1334	0	0.81	0	63.9	51.8	34.6
1-2 PM	1410	0.0	1499	1410	0	0.91	0	63.8	50.5	32.8
2-3 PM	1874	0.0	1499	1874	0	5.91	164	62.9	23.5	30.8
3-4 PM	2131	0.0	OFF	2131	0	0.66	37	62.4	52.7	52.7
4-5 PM	2747	0.0	OFF	2747	0	0.00	0	58.4	58.4	58.4
5-6 PM	2367	0.0	OFF	2367	0	0.00	0	62.0	62.0	62.0
6-7 PM	1547	0.0	OFF	1547	0	0.00	0	63.5	63.5	63.5
7-8 PM	1084	0.0	OFF	1084	0	0.00	0	64.3	64.3	64.3
8-9 PM	1008	0.0	OFF	1008	0	0.00	0	64.5	64.5	64.5
9-10 PM	800	0.0	OFF	800	0	0.00	0	64.9	64.9	64.9
10-11 PM	674	0.0	OFF	674	0	0.00	0	65.1	65.1	65.1
11PM-MID	432	0.0	OFF	432	0	0.00	0	65.6	65.6	65.6

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

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(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	0.0155
MAIN ROUTE WITH WORKS	0.0151
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,859
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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