

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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	245	0.0	1500	245	0	0.45	0	66.0	58.2	44.5
1-2 AM	142	0.0	1500	142	0	0.44	0	66.1	58.5	44.9
2-3 AM	108	0.0	1500	108	0	0.43	0	66.2	58.6	45.1
3-4 AM	100	0.0	1500	100	0	0.43	0	66.2	58.6	45.1
4-5 AM	81	0.0	1500	81	0	0.43	0	66.3	58.7	45.1
5-6 AM	187	0.0	1500	187	0	0.44	0	66.0	58.4	44.7
6-7 AM	268	0.0	1500	268	0	0.45	0	65.9	58.1	44.4
7-8 AM	315	0.0	1500	315	0	0.45	0	65.8	58.0	44.2
8-9 AM	502	0.0	1500	502	0	0.47	0	65.5	57.4	43.5
9-10 AM	702	0.0	1500	702	0	0.49	0	65.1	56.9	42.7
10-11 AM	954	0.0	1500	954	0	0.51	0	64.6	56.2	41.9
11AM-NOON	1030	0.0	1500	1030	0	0.52	0	64.5	56.0	41.5
NOON-1PM	1168	0.0	1500	1168	0	0.60	0	64.2	54.8	39.5
1-2 PM	1075	0.0	1500	1075	0	0.53	0	64.4	55.8	41.4
2-3 PM	1007	0.0	1500	1007	0	0.52	0	64.5	56.0	41.7
3-4 PM	1049	0.0	1500	1049	0	0.52	0	64.5	55.9	41.5
4-5 PM	971	0.0	1500	971	0	0.52	0	64.6	56.1	41.8
5-6 PM	931	0.0	1500	931	0	0.51	0	64.6	56.3	41.9
6-7 PM	720	0.0	1500	720	0	0.49	0	65.0	56.8	42.7
7-8 PM	586	0.0	1500	586	0	0.48	0	65.3	57.2	43.2
8-9 PM	509	0.0	1500	509	0	0.47	0	65.5	57.4	43.5
9-10 PM	398	0.0	1500	398	0	0.46	0	65.6	57.8	43.9
10-11 PM	259	0.0	1500	259	0	0.45	0	65.9	58.2	44.5
11PM-MID	127	0.0	1500	127	0	0.43	0	66.1	58.6	45.0

**\*----- 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	0.0079
MAIN ROUTE WITH WORKS	0.0070
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

**IMPACTS ON ROAD USERS**

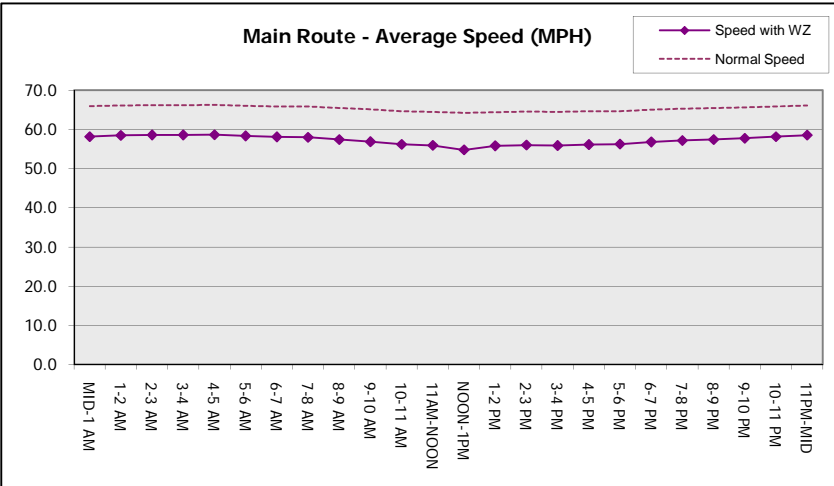
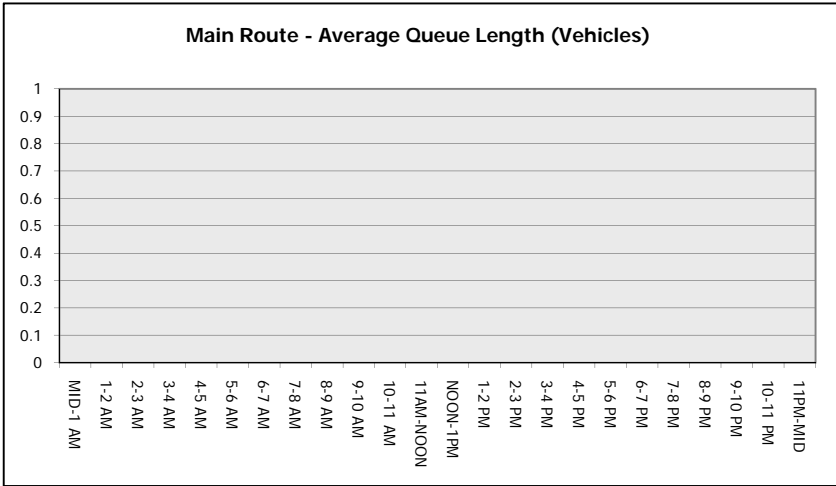
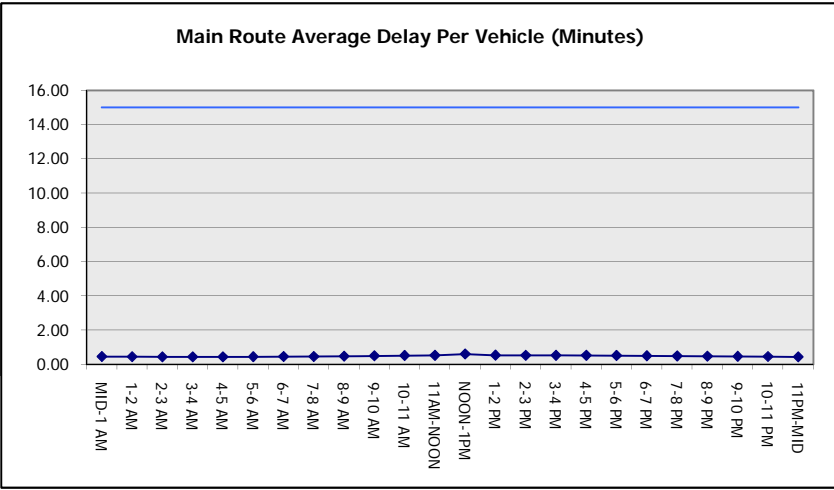
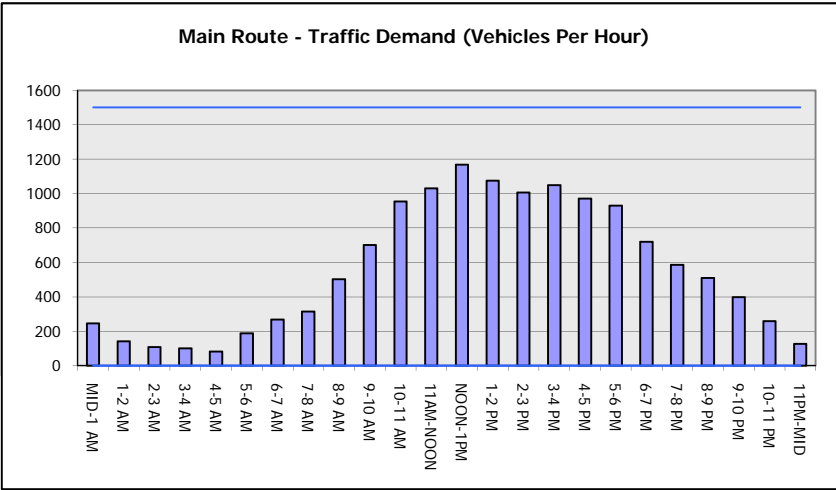
ROAD USER COSTS PER DAY	\$1,764
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**MAY**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY SOUTHBOUND DIRECTION**



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	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	261	0.0	1500	261	0	0.45	0	65.9	58.1	44.5
1-2 AM	165	0.0	1500	165	0	0.44	0	66.1	58.4	44.8
2-3 AM	143	0.0	1500	143	0	0.44	0	66.1	58.5	44.9
3-4 AM	95	0.0	1500	95	0	0.43	0	66.2	58.6	45.1
4-5 AM	72	0.0	1500	72	0	0.43	0	66.3	58.7	45.2
5-6 AM	168	0.0	1500	168	0	0.44	0	66.1	58.4	44.8
6-7 AM	323	0.0	1500	323	0	0.45	0	65.8	58.0	44.2
7-8 AM	309	0.0	1500	309	0	0.45	0	65.8	58.0	44.3
8-9 AM	527	0.0	1500	527	0	0.47	0	65.4	57.4	43.4
9-10 AM	732	0.0	1500	732	0	0.49	0	65.0	56.8	42.7
10-11 AM	1003	0.0	1500	1003	0	0.52	0	64.5	56.1	41.7
11AM-NOON	1016	0.0	1500	1016	0	0.52	0	64.5	56.0	41.6
NOON-1PM	1275	0.0	1500	1275	0	0.73	0	64.0	52.8	36.2
1-2 PM	1281	0.0	1500	1281	0	0.74	0	64.0	52.7	36.0
2-3 PM	1300	0.0	1500	1300	0	0.77	0	64.0	52.4	35.5
3-4 PM	1362	0.0	1500	1362	0	0.85	0	63.8	51.4	33.9
4-5 PM	1393	0.0	1500	1393	0	0.89	0	63.8	50.9	33.2
5-6 PM	1406	0.0	1500	1406	0	0.90	0	63.8	50.6	32.9
6-7 PM	1231	0.0	1500	1231	0	0.68	0	64.1	53.6	37.5
7-8 PM	955	0.0	1500	955	0	0.51	0	64.6	56.2	41.9
8-9 PM	820	0.0	1500	820	0	0.50	0	64.8	56.6	42.3
9-10 PM	537	0.0	1500	537	0	0.47	0	65.4	57.4	43.3
10-11 PM	407	0.0	1500	407	0	0.46	0	65.6	57.8	43.8
11PM-MID	188	0.0	1500	188	0	0.44	0	66.0	58.4	44.7

*----- 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	0.0100
MAIN ROUTE WITH WORKS	0.0089
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,894
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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