

<b>USH 41: STH 441 TO STH 55 (OUTAGAMIE AND BROWN COUNTIES) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b> Analyzed for 2009 Construction Season
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**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	358	0.0	OFF	358	0	0.00	0	65.7	65.7	65.7	
1-2 AM	207	0.0	OFF	207	0	0.00	0	66.0	66.0	66.0	
2-3 AM	173	0.0	OFF	173	0	0.00	0	66.1	66.1	66.1	
3-4 AM	113	0.0	OFF	113	0	0.00	0	66.2	66.2	66.2	
4-5 AM	132	0.0	OFF	132	0	0.00	0	66.1	66.1	66.1	
5-6 AM	234	0.0	OFF	234	0	0.00	0	66.0	66.0	66.0	
6-7 AM	275	0.0	OFF	275	0	0.00	0	65.9	65.9	65.9	
7-8 AM	363	0.0	OFF	363	0	0.00	0	65.7	65.7	65.7	
8-9 AM	653	0.0	OFF	653	0	0.00	0	65.1	65.1	65.1	
9-10 AM	923	0.0	1500	923	0	0.51	0	64.6	57.1	41.9	
10-11 AM	1339	0.0	1499	1339	0	0.81	0	63.9	53.0	34.6	
11AM-NOON	1612	0.0	1499	1612	0	2.36	40	63.4	39.8	30.8	
NOON-1PM	1826	0.0	1500	1826	0	10.30+	270	63.0	17.6	30.8	
1-2 PM	1758	0.0	1499	1479	279	15.74+	397	63.1	12.8	30.8	
2-3 PM	1777	0.0	1500	1500	277	15.82+	400	63.1	12.7	30.8	
3-4 PM	1784	0.0	1500	1500	284	15.82+	400	63.0	12.7	30.8	
4-5 PM	1645	0.0	1500	1489	156	15.79+	398	63.3	12.7	30.8	
5-6 PM	1436	0.0	1499	1433	3	15.07+	379	63.7	13.2	30.8	
6-7 PM	1383	0.0	1500	1383	0	11.71	290	63.8	16.1	30.8	
7-8 PM	1120	0.0	OFF	1120	0	0.15	8	64.3	61.9	61.9	
8-9 PM	953	0.0	OFF	953	0	0.00	0	64.6	64.6	64.6	
9-10 PM	716	0.0	OFF	716	0	0.00	0	65.1	65.1	65.1	
10-11 PM	453	0.0	OFF	453	0	0.00	0	65.5	65.5	65.5	
11PM-MID	289	0.0	OFF	289	0	0.00	0	65.8	65.8	65.8	

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

+ 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	0.0144
MAIN ROUTE WITH WORKS	0.0128
'DIVERSION'	0.0015
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$48,049
CONGESTED HOURS PER DAY*	6

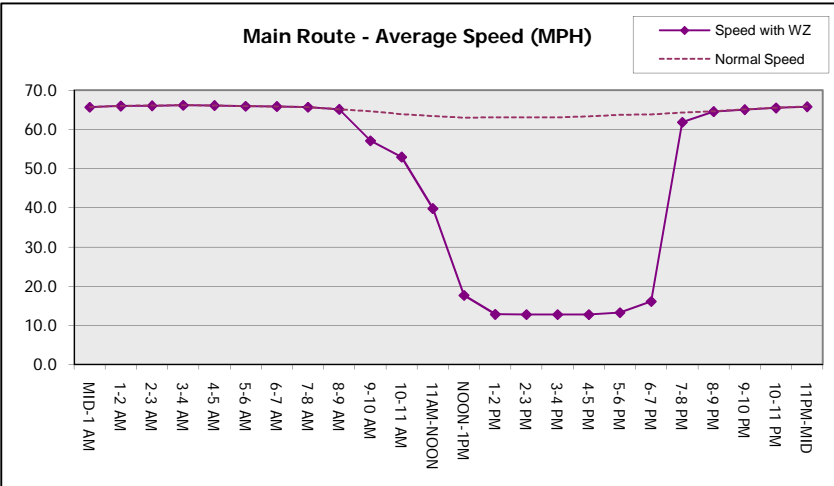
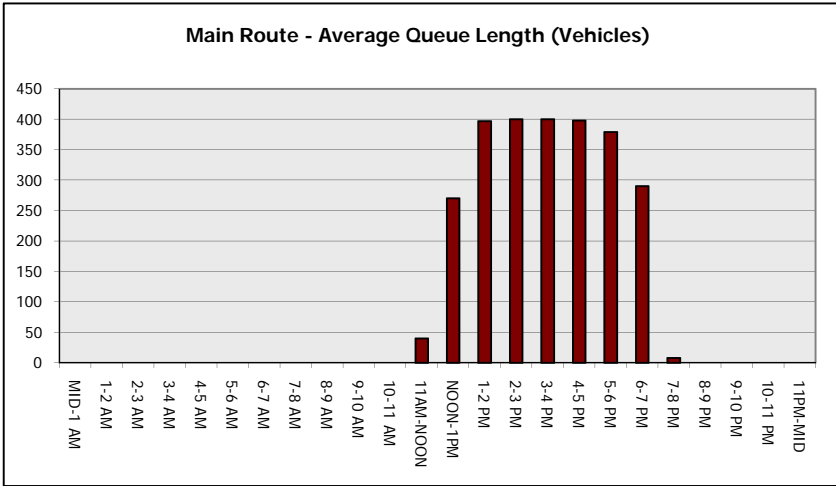
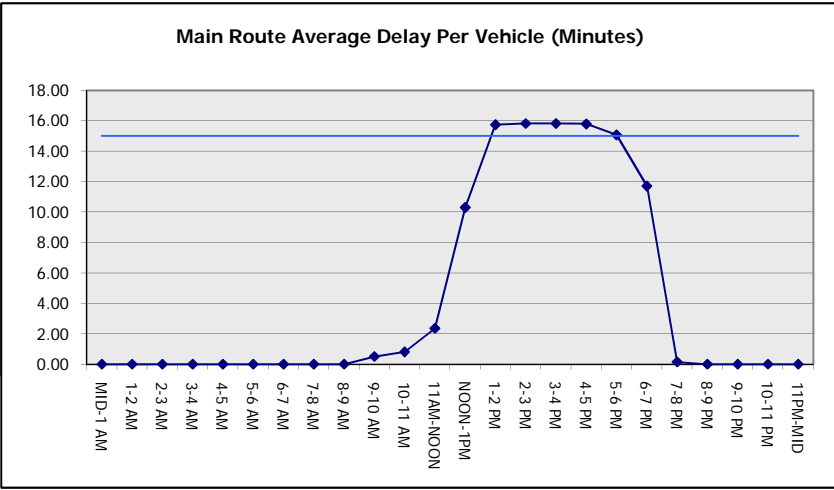
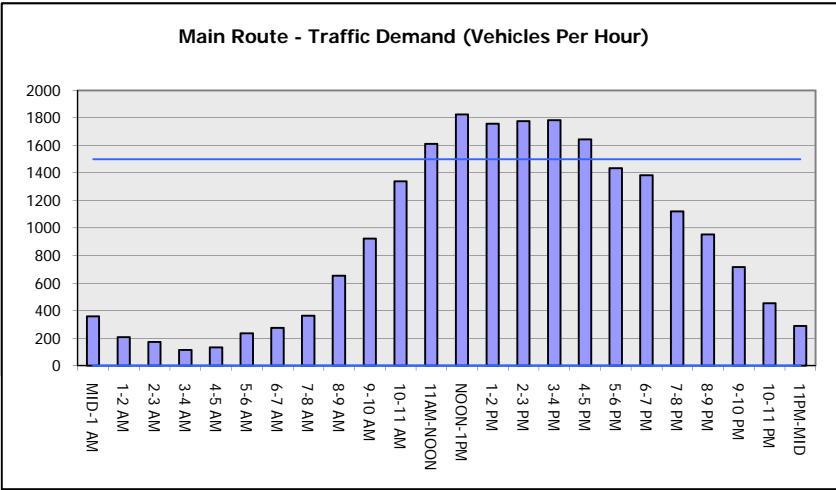
\*Delays Exceeding User-Specified Maximum

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**OFF-PEAK DAY CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**SUNDAY SOUTHBOUND DIRECTION**



<b>USH 41: STH 441 TO STH 55 (OUTAGAMIE AND BROWN COUNTIES)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	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	278	0.0	OFF	278	0	0.00	0	65.9	65.9	65.9
1-2 AM	350	0.0	OFF	350	0	0.00	0	65.8	65.8	65.8
2-3 AM	418	0.0	OFF	418	0	0.00	0	65.6	65.6	65.6
3-4 AM	151	0.0	OFF	151	0	0.00	0	66.1	66.1	66.1
4-5 AM	99	0.0	OFF	99	0	0.00	0	66.2	66.2	66.2
5-6 AM	174	0.0	OFF	174	0	0.00	0	66.1	66.1	66.1
6-7 AM	323	0.0	OFF	323	0	0.00	0	65.8	65.8	65.8
7-8 AM	339	0.0	OFF	339	0	0.00	0	65.8	65.8	65.8
8-9 AM	515	0.0	OFF	515	0	0.00	0	65.5	65.5	65.5
9-10 AM	793	0.0	1500	793	0	0.50	0	64.9	57.5	42.4
10-11 AM	1018	0.0	1500	1018	0	0.52	0	64.5	56.9	41.6
11AM-NOON	1311	0.0	1499	1311	0	0.78	0	64.0	53.4	35.3
NOON-1PM	1527	0.0	1499	1527	0	1.35	9	63.5	47.4	30.8
1-2 PM	1444	0.0	1499	1444	0	1.22	7	63.7	48.7	31.7
2-3 PM	1475	0.0	1499	1475	0	0.99	0	63.7	50.9	31.3
3-4 PM	1564	0.0	1499	1564	0	2.13	31	63.5	41.4	30.8
4-5 PM	1489	0.0	1499	1489	0	3.40	64	63.6	34.2	30.8
5-6 PM	1383	0.0	1499	1383	0	1.49	18	63.8	46.3	32.8
6-7 PM	1152	0.0	1500	1152	0	0.57	0	64.2	56.0	40.1
7-8 PM	1037	0.0	OFF	1037	0	0.00	0	64.5	64.5	64.5
8-9 PM	869	0.0	OFF	869	0	0.00	0	64.8	64.8	64.8
9-10 PM	618	0.0	OFF	618	0	0.00	0	65.2	65.2	65.2
10-11 PM	518	0.0	OFF	518	0	0.00	0	65.4	65.4	65.4
11PM-MID	362	0.0	OFF	362	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	0.0128
MAIN ROUTE WITH WORKS	0.0120
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$5,120
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**AUGUST**  
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY NORTHBOUND DIRECTION**

