

USH 41: STH 441 TO STH 55 (OUTAGAMIE AND BROWN COUNTIES) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	239	0.0	OFF	239	0	0.00	0	66.0	66.0	66.0	
1-2 AM	141	0.0	OFF	141	0	0.00	0	66.1	66.1	66.1	
2-3 AM	190	0.0	OFF	190	0	0.00	0	66.0	66.0	66.0	
3-4 AM	150	0.0	OFF	150	0	0.00	0	66.1	66.1	66.1	
4-5 AM	393	0.0	OFF	393	0	0.00	0	65.6	65.6	65.6	
5-6 AM	847	0.0	OFF	847	0	0.00	0	64.8	64.8	64.8	
6-7 AM	1692	0.0	OFF	1692	0	0.00	0	63.2	63.2	63.2	
7-8 AM	2386	0.0	OFF	2386	0	0.00	0	61.9	61.9	61.9	
8-9 AM	1770	0.0	OFF	1770	0	0.00	0	63.1	63.1	63.1	
9-10 AM	1627	0.0	OFF	1627	0	0.00	0	63.3	63.3	63.3	
10-11 AM	1770	0.0	1499	1770	0	5.14	129	63.1	27.6	30.8	
11AM-NOON	1807	0.0	1499	1642	164	14.62+	370	63.0	13.5	30.8	
NOON-1PM	1944	0.0	1500	1500	444	15.80+	400	62.8	12.7	30.8	
1-2 PM	2035	0.0	1500	1500	535	15.79+	400	62.6	12.7	30.8	
2-3 PM	2122	0.0	1500	1500	622	15.78+	400	62.4	12.7	30.8	
3-4 PM	2391	0.0	OFF	2391	0	1.09	52	61.9	48.9	48.9	
4-5 PM	2578	0.0	OFF	2578	0	0.00	0	60.1	60.1	60.1	
5-6 PM	2397	0.0	OFF	2397	0	0.00	0	61.9	61.9	61.9	
6-7 PM	1592	0.0	OFF	1592	0	0.00	0	63.4	63.4	63.4	
7-8 PM	1038	0.0	OFF	1038	0	0.00	0	64.5	64.5	64.5	
8-9 PM	912	0.0	OFF	912	0	0.00	0	64.7	64.7	64.7	
9-10 PM	717	0.0	OFF	717	0	0.00	0	65.0	65.0	65.0	
10-11 PM	750	0.0	OFF	750	0	0.00	0	65.0	65.0	65.0	
11PM-MID	547	0.0	OFF	547	0	0.00	0	65.4	65.4	65.4	

"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	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

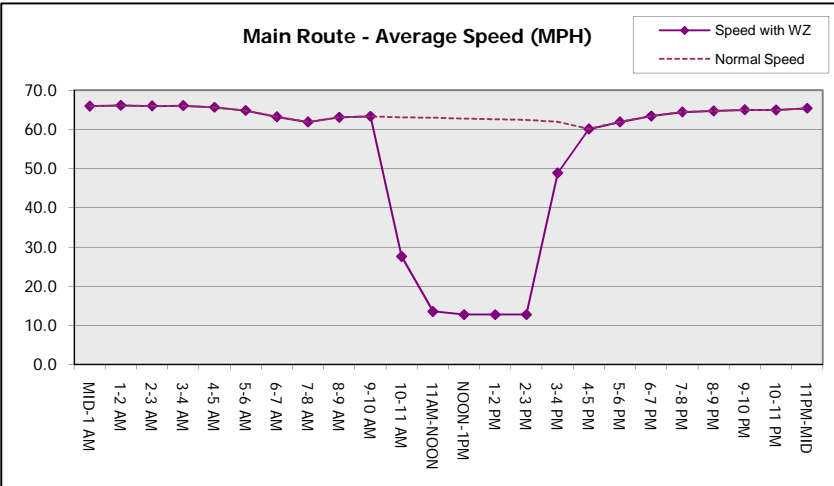
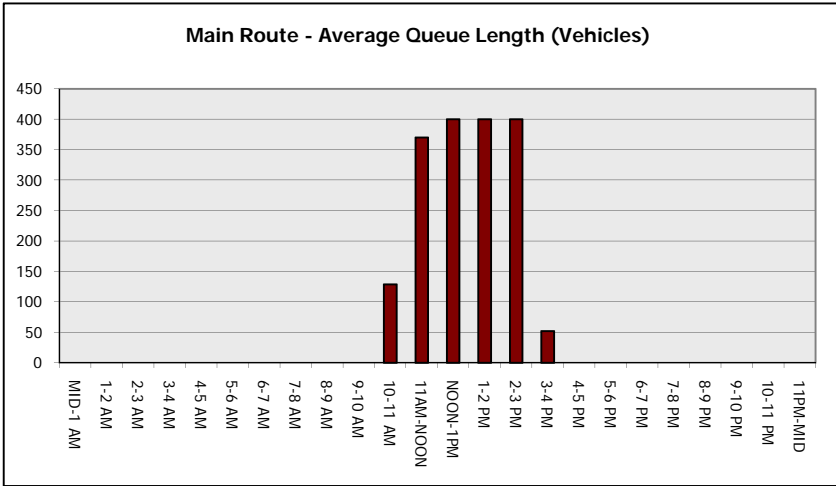
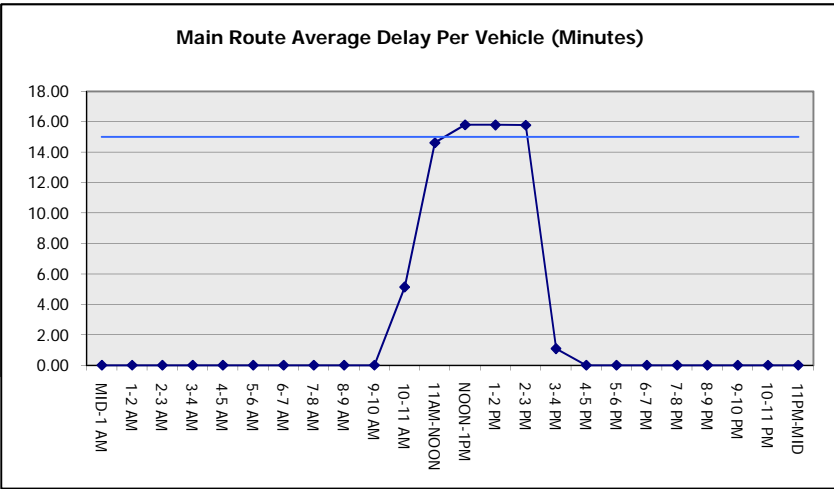
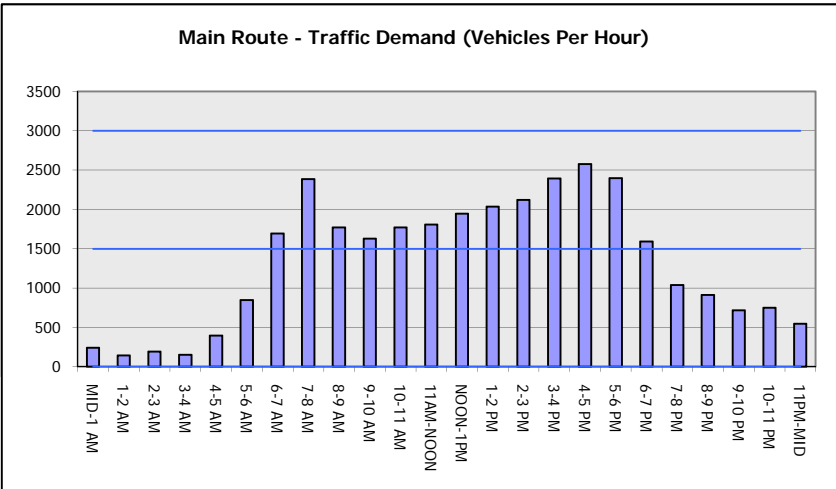
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0214
MAIN ROUTE WITH WORKS	0.0197
'DIVERSION'	0.0027
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$29,158
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



USH 41: STH 441 TO STH 55 (OUTAGAMIE AND BROWN COUNTIES) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	327	0.0	OFF	327	0	0.00	0	65.8	65.8	65.8
1-2 AM	233	0.0	OFF	233	0	0.00	0	66.0	66.0	66.0
2-3 AM	236	0.0	OFF	236	0	0.00	0	66.0	66.0	66.0
3-4 AM	256	0.0	OFF	256	0	0.00	0	65.9	65.9	65.9
4-5 AM	342	0.0	OFF	342	0	0.00	0	65.8	65.8	65.8
5-6 AM	820	0.0	OFF	820	0	0.00	0	64.8	64.8	64.8
6-7 AM	1373	0.0	OFF	1373	0	0.00	0	63.8	63.8	63.8
7-8 AM	2093	0.0	OFF	2093	0	0.00	0	62.5	62.5	62.5
8-9 AM	1542	0.0	OFF	1542	0	0.00	0	63.5	63.5	63.5
9-10 AM	1642	0.0	OFF	1642	0	0.00	0	63.3	63.3	63.3
10-11 AM	1773	0.0	1499	1773	0	5.04	127	63.1	27.9	30.8
11AM-NOON	1925	0.0	1500	1660	264	14.99+	380	62.8	13.2	30.8
NOON-1PM	2108	0.0	1499	1500	608	15.78+	399	62.5	12.7	30.8
1-2 PM	2222	0.0	1500	1500	722	15.77+	400	62.2	12.7	30.8
2-3 PM	2430	0.0	1500	1500	930	15.72+	400	61.6	12.7	30.8
3-4 PM	2573	0.0	OFF	2573	0	1.32	65	60.1	45.7	45.7
4-5 PM	2902	0.0	OFF	2902	0	0.00	0	56.8	56.8	56.8
5-6 PM	2615	0.0	OFF	2615	0	0.00	0	59.7	59.7	59.7
6-7 PM	1936	0.0	OFF	1936	0	0.00	0	62.8	62.8	62.8
7-8 PM	1326	0.0	OFF	1326	0	0.00	0	63.9	63.9	63.9
8-9 PM	1191	0.0	OFF	1191	0	0.00	0	64.1	64.1	64.1
9-10 PM	996	0.0	OFF	996	0	0.00	0	64.5	64.5	64.5
10-11 PM	819	0.0	OFF	819	0	0.00	0	64.8	64.8	64.8
11PM-MID	640	0.0	OFF	640	0	0.00	0	65.2	65.2	65.2

"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	0.0229
MAIN ROUTE WITH WORKS	0.0207
'DIVERSION'	0.0039

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$32,029
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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