

USH 41: STH 15 TO STH 441 (OUTAGAMIE COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	319	0.0	1500	319	0	0.45	0	65.8	60.7	44.2
1-2 AM	172	0.0	1500	172	0	0.44	0	66.1	61.0	44.8
2-3 AM	172	0.0	1500	172	0	0.44	0	66.1	61.0	44.8
3-4 AM	159	0.0	1500	159	0	0.44	0	66.1	61.1	44.8
4-5 AM	195	0.0	1500	195	0	0.44	0	66.0	61.0	44.7
5-6 AM	319	0.0	1500	319	0	0.45	0	65.8	60.7	44.2
6-7 AM	498	0.0	1500	498	0	0.47	0	65.5	60.2	43.5
7-8 AM	856	0.0	1500	856	0	0.51	0	64.8	59.3	42.2
8-9 AM	1237	0.0	OFF	1237	0	0.00	0	64.1	64.1	64.1
9-10 AM	1472	0.0	OFF	1472	0	0.00	0	63.7	63.7	63.7
10-11 AM	1814	0.0	OFF	1814	0	0.00	0	63.0	63.0	63.0
11AM-NOON	1852	0.0	OFF	1852	0	0.00	0	62.9	62.9	62.9
NOON-1PM	2000	0.0	OFF	2000	0	0.00	0	62.7	62.7	62.7
1-2 PM	1824	0.0	OFF	1824	0	0.00	0	63.0	63.0	63.0
2-3 PM	1680	0.0	OFF	1680	0	0.00	0	63.3	63.3	63.3
3-4 PM	1619	0.0	OFF	1619	0	0.00	0	63.3	63.3	63.3
4-5 PM	1584	0.0	OFF	1584	0	0.00	0	63.4	63.4	63.4
5-6 PM	1465	0.0	OFF	1465	0	0.00	0	63.7	63.7	63.7
6-7 PM	1166	0.0	1500	1166	0	0.59	0	64.2	58.0	39.6
7-8 PM	901	0.0	1500	901	0	0.51	0	64.7	59.2	42.0
8-9 PM	836	0.0	1500	836	0	0.50	0	64.8	59.4	42.3
9-10 PM	688	0.0	1500	688	0	0.49	0	65.1	59.7	42.8
10-11 PM	620	0.0	1500	620	0	0.48	0	65.2	59.9	43.0
11PM-MID	479	0.0	1500	479	0	0.47	0	65.5	60.2	43.6

"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	0.0225
MAIN ROUTE WITH WORKS	0.0220
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$873
CONGESTED HOURS PER DAY*	0

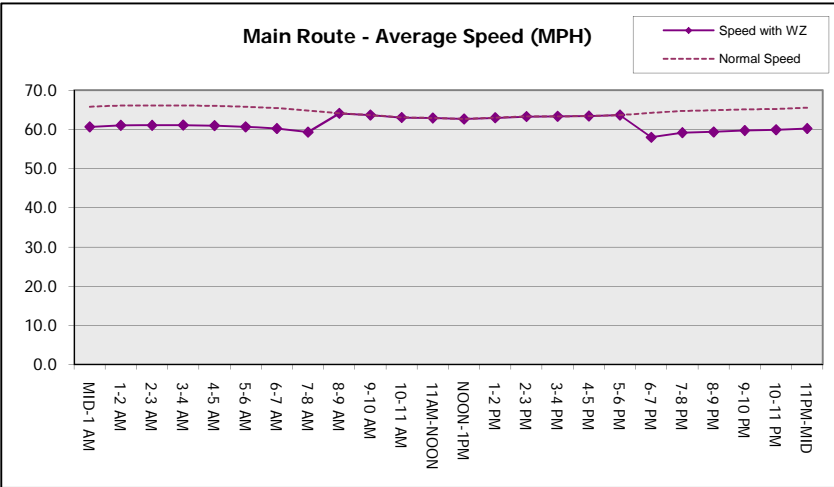
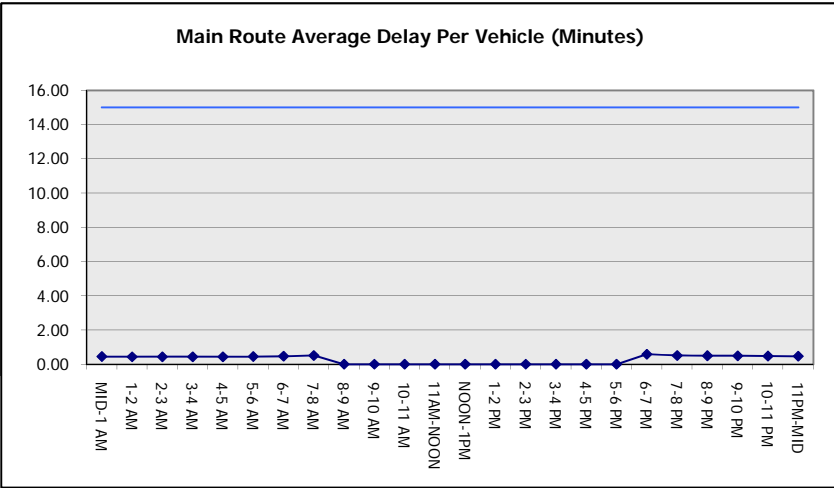
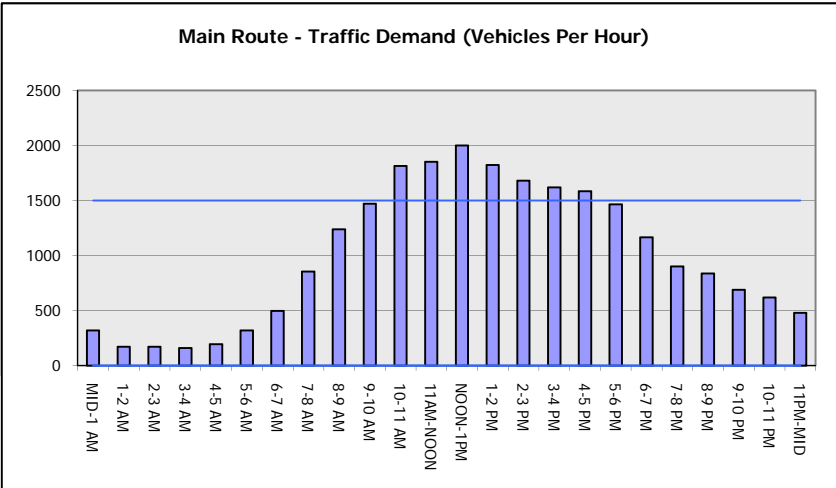
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	337	0.0	1500	337	0	0.46	0	65.8	60.6	44.2
1-2 AM	185	0.0	1500	185	0	0.44	0	66.0	61.0	44.7
2-3 AM	183	0.0	1500	183	0	0.44	0	66.1	61.0	44.8
3-4 AM	124	0.0	1500	124	0	0.43	0	66.1	61.2	45.0
4-5 AM	155	0.0	1500	155	0	0.44	0	66.1	61.1	44.8
5-6 AM	240	0.0	1500	240	0	0.45	0	66.0	60.9	44.5
6-7 AM	391	0.0	1500	391	0	0.46	0	65.6	60.5	43.9
7-8 AM	587	0.0	1500	587	0	0.48	0	65.3	60.0	43.2
8-9 AM	905	0.0	OFF	905	0	0.00	0	64.7	64.7	64.7
9-10 AM	1192	0.0	OFF	1192	0	0.00	0	64.1	64.1	64.1
10-11 AM	1606	0.0	OFF	1606	0	0.00	0	63.4	63.4	63.4
11AM-NOON	1617	0.0	OFF	1617	0	0.00	0	63.3	63.3	63.3
NOON-1PM	1745	0.0	OFF	1745	0	0.00	0	63.2	63.2	63.2
1-2 PM	1735	0.0	OFF	1735	0	0.00	0	63.2	63.2	63.2
2-3 PM	1774	0.0	OFF	1774	0	0.00	0	63.1	63.1	63.1
3-4 PM	1728	0.0	OFF	1728	0	0.00	0	63.2	63.2	63.2
4-5 PM	1745	0.0	OFF	1745	0	0.00	0	63.2	63.2	63.2
5-6 PM	1569	0.0	OFF	1569	0	0.00	0	63.5	63.5	63.5
6-7 PM	1165	0.0	1500	1165	0	0.59	0	64.2	58.0	39.6
7-8 PM	959	0.0	1500	959	0	0.52	0	64.6	59.1	41.8
8-9 PM	988	0.0	1500	988	0	0.52	0	64.5	59.0	41.7
9-10 PM	1006	0.0	1500	1006	0	0.52	0	64.5	58.9	41.7
10-11 PM	838	0.0	1500	838	0	0.50	0	64.8	59.4	42.2
11PM-MID	470	0.0	1500	470	0	0.47	0	65.5	60.3	43.6

"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	0.0218
MAIN ROUTE WITH WORKS	0.0213
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$916
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY NORTHBOUND DIRECTION**

