

USH 41: STH 441 TO STH 55 (OUTAGMIE AND BROWN COUNTIES) NIGHTTIME 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	1500	239	0	0.45	0	66.0	59.1	44.5
1-2 AM	141	0.0	1500	141	0	0.44	0	66.1	59.3	44.9
2-3 AM	190	0.0	1500	190	0	0.44	0	66.0	59.2	44.7
3-4 AM	150	0.0	1500	150	0	0.44	0	66.1	59.3	44.9
4-5 AM	393	0.0	1500	393	0	0.46	0	65.6	58.6	43.9
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	OFF	1770	0	0.00	0	63.1	63.1	63.1
11AM-NOON	1807	0.0	OFF	1807	0	0.00	0	63.0	63.0	63.0
NOON-1PM	1944	0.0	OFF	1944	0	0.00	0	62.8	62.8	62.8
1-2 PM	2035	0.0	OFF	2035	0	0.00	0	62.6	62.6	62.6
2-3 PM	2122	0.0	OFF	2122	0	0.00	0	62.4	62.4	62.4
3-4 PM	2391	0.0	OFF	2391	0	0.00	0	61.9	61.9	61.9
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	1500	1038	0	0.52	0	64.5	56.8	41.5
8-9 PM	912	0.0	1500	912	0	0.51	0	64.7	57.2	42.0
9-10 PM	717	0.0	1500	717	0	0.49	0	65.0	57.7	42.7
10-11 PM	750	0.0	1500	750	0	0.50	0	65.0	57.6	42.6
11PM-MID	547	0.0	1500	547	0	0.48	0	65.4	58.2	43.3

"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

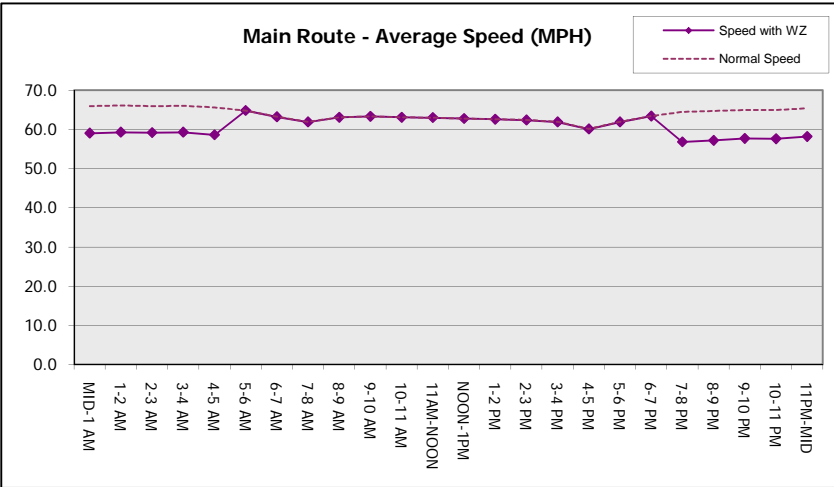
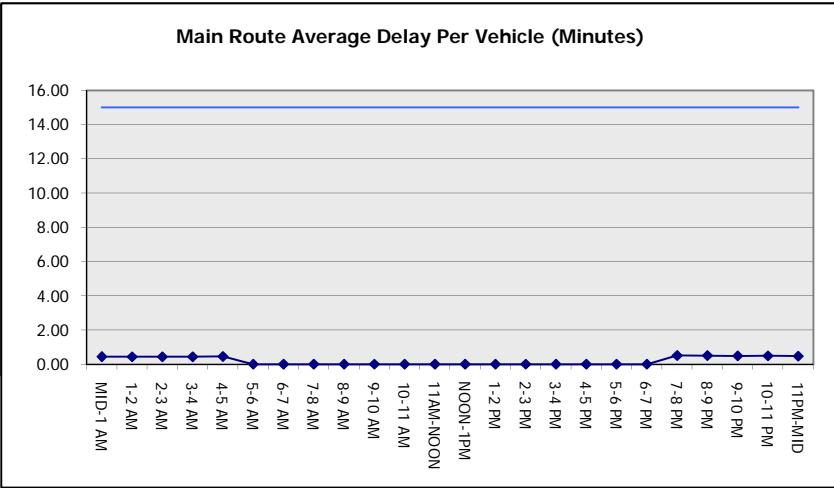
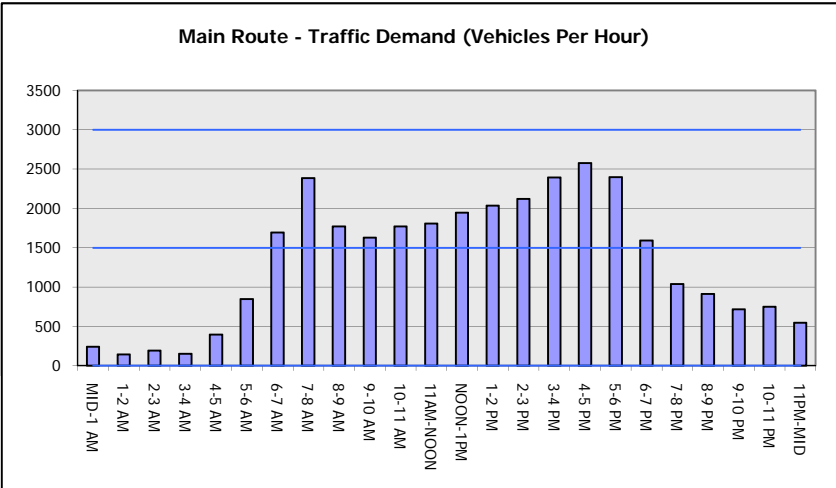
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0214
MAIN ROUTE WITH WORKS	0.0211
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$537
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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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	1500	327	0	0.45	0	65.8	58.8	44.2
1-2 AM	233	0.0	1500	233	0	0.45	0	66.0	59.1	44.5
2-3 AM	236	0.0	1500	236	0	0.45	0	66.0	59.1	44.5
3-4 AM	256	0.0	1500	256	0	0.45	0	65.9	59.0	44.5
4-5 AM	342	0.0	1500	342	0	0.46	0	65.8	58.7	44.1
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	OFF	1773	0	0.00	0	63.1	63.1	63.1
11AM-NOON	1925	0.0	OFF	1925	0	0.00	0	62.8	62.8	62.8
NOON-1PM	2108	0.0	OFF	2108	0	0.00	0	62.5	62.5	62.5
1-2 PM	2222	0.0	OFF	2222	0	0.00	0	62.2	62.2	62.2
2-3 PM	2430	0.0	OFF	2430	0	0.00	0	61.6	61.6	61.6
3-4 PM	2573	0.0	OFF	2573	0	0.00	0	60.1	60.1	60.1
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	1500	1326	0	0.80	0	63.9	53.2	34.8
8-9 PM	1191	0.0	1500	1191	0	0.62	0	64.1	55.3	38.8
9-10 PM	996	0.0	1500	996	0	0.52	0	64.5	56.9	41.7
10-11 PM	819	0.0	1500	819	0	0.50	0	64.8	57.4	42.3
11PM-MID	640	0.0	1500	640	0	0.48	0	65.2	57.9	43.0

"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	0.0229
MAIN ROUTE WITH WORKS	0.0225
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$789
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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