

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

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	1500	358	0	0.46	0	65.7	58.7	44.0
1-2 AM	207	0.0	1500	207	0	0.44	0	66.0	59.1	44.6
2-3 AM	173	0.0	1500	173	0	0.44	0	66.1	59.2	44.8
3-4 AM	113	0.0	1500	113	0	0.43	0	66.2	59.4	45.0
4-5 AM	132	0.0	1500	132	0	0.44	0	66.1	59.4	45.0
5-6 AM	234	0.0	1500	234	0	0.45	0	66.0	59.1	44.5
6-7 AM	275	0.0	1500	275	0	0.45	0	65.9	58.9	44.4
7-8 AM	363	0.0	1500	363	0	0.46	0	65.7	58.7	44.0
8-9 AM	653	0.0	1500	653	0	0.49	0	65.1	57.9	42.9
9-10 AM	923	0.0	OFF	923	0	0.00	0	64.6	64.6	64.6
10-11 AM	1339	0.0	OFF	1339	0	0.00	0	63.9	63.9	63.9
11AM-NOON	1612	0.0	OFF	1612	0	0.00	0	63.4	63.4	63.4
NOON-1PM	1826	0.0	OFF	1826	0	0.00	0	63.0	63.0	63.0
1-2 PM	1758	0.0	OFF	1758	0	0.00	0	63.1	63.1	63.1
2-3 PM	1777	0.0	OFF	1777	0	0.00	0	63.1	63.1	63.1
3-4 PM	1784	0.0	OFF	1784	0	0.00	0	63.0	63.0	63.0
4-5 PM	1645	0.0	OFF	1645	0	0.00	0	63.3	63.3	63.3
5-6 PM	1436	0.0	OFF	1436	0	0.00	0	63.7	63.7	63.7
6-7 PM	1383	0.0	OFF	1383	0	0.00	0	63.8	63.8	63.8
7-8 PM	1120	0.0	1500	1120	0	0.53	0	64.3	56.6	41.2
8-9 PM	953	0.0	1500	953	0	0.51	0	64.6	57.1	41.9
9-10 PM	716	0.0	1500	716	0	0.49	0	65.1	57.7	42.7
10-11 PM	453	0.0	1500	453	0	0.47	0	65.5	58.4	43.7
11PM-MID	289	0.0	1500	289	0	0.45	0	65.8	58.9	44.3

"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

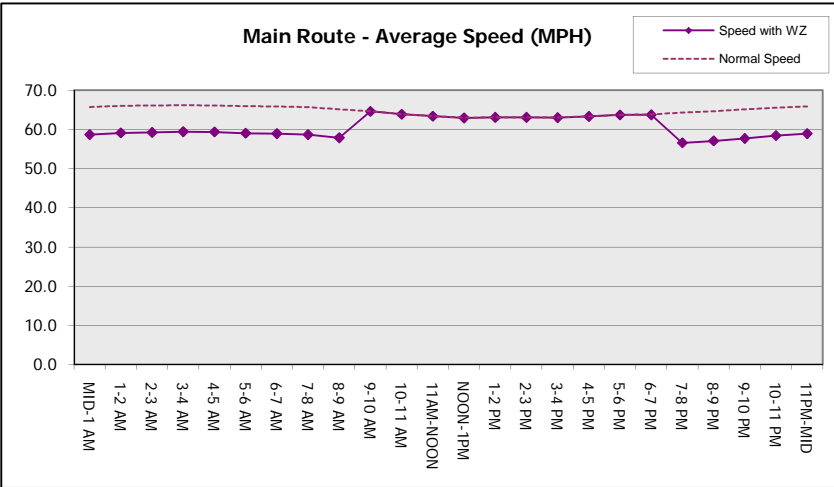
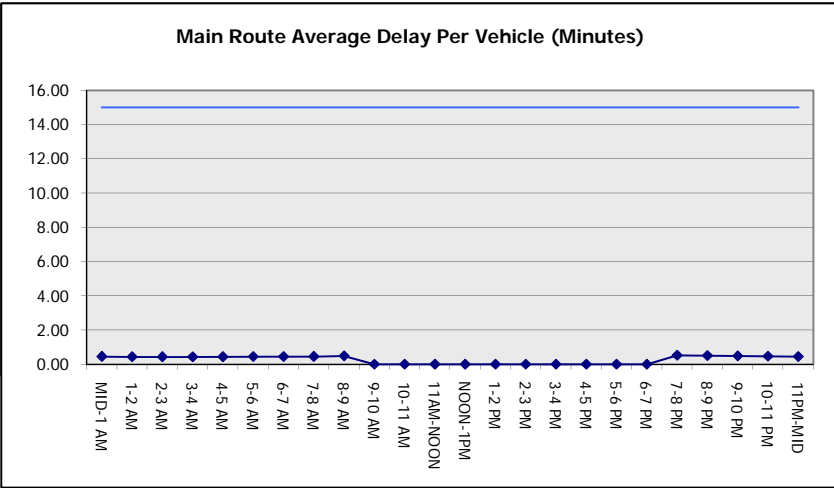
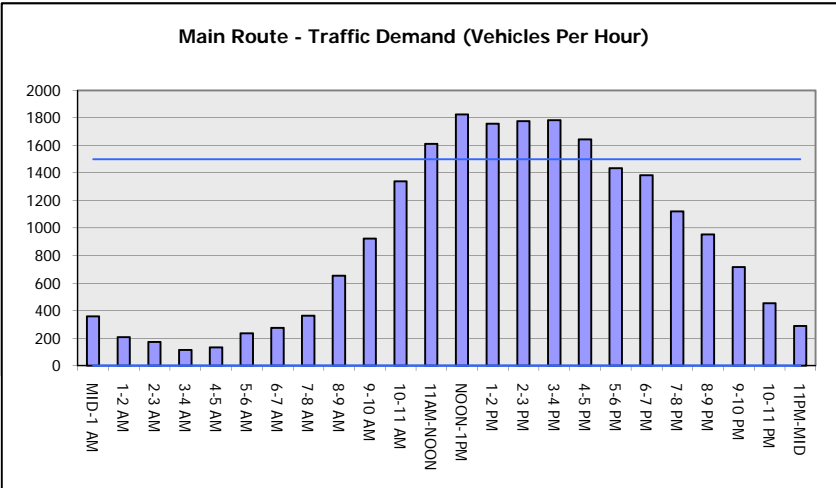
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0144
MAIN ROUTE WITH WORKS	0.0140
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$691
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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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	1500	278	0	0.45	0	65.9	58.9	44.4
1-2 AM	350	0.0	1500	350	0	0.46	0	65.8	58.7	44.1
2-3 AM	418	0.0	1500	418	0	0.46	0	65.6	58.6	43.8
3-4 AM	151	0.0	1500	151	0	0.44	0	66.1	59.3	44.9
4-5 AM	99	0.0	1500	99	0	0.43	0	66.2	59.4	45.1
5-6 AM	174	0.0	1500	174	0	0.44	0	66.1	59.2	44.8
6-7 AM	323	0.0	1500	323	0	0.45	0	65.8	58.8	44.2
7-8 AM	339	0.0	1500	339	0	0.46	0	65.8	58.7	44.2
8-9 AM	515	0.0	1500	515	0	0.47	0	65.5	58.2	43.5
9-10 AM	793	0.0	OFF	793	0	0.00	0	64.9	64.9	64.9
10-11 AM	1018	0.0	OFF	1018	0	0.00	0	64.5	64.5	64.5
11AM-NOON	1311	0.0	OFF	1311	0	0.00	0	64.0	64.0	64.0
NOON-1PM	1527	0.0	OFF	1527	0	0.00	0	63.5	63.5	63.5
1-2 PM	1444	0.0	OFF	1444	0	0.00	0	63.7	63.7	63.7
2-3 PM	1475	0.0	OFF	1475	0	0.00	0	63.7	63.7	63.7
3-4 PM	1564	0.0	OFF	1564	0	0.00	0	63.5	63.5	63.5
4-5 PM	1489	0.0	OFF	1489	0	0.00	0	63.6	63.6	63.6
5-6 PM	1383	0.0	OFF	1383	0	0.00	0	63.8	63.8	63.8
6-7 PM	1152	0.0	OFF	1152	0	0.00	0	64.2	64.2	64.2
7-8 PM	1037	0.0	1500	1037	0	0.52	0	64.5	56.8	41.5
8-9 PM	869	0.0	1500	869	0	0.51	0	64.8	57.3	42.2
9-10 PM	618	0.0	1500	618	0	0.48	0	65.2	58.0	43.0
10-11 PM	518	0.0	1500	518	0	0.47	0	65.4	58.2	43.4
11PM-MID	362	0.0	1500	362	0	0.46	0	65.7	58.7	44.0

"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	0.0128
MAIN ROUTE WITH WORKS	0.0124
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$684
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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