

USH 41: STH 441 TO STH 55 (OUTAGMIE AND BROWN COUNTIES) CONTINUOUS (24 HOUR) 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	1500	847	0	0.50	0	64.8	57.4	42.2	
6-7 AM	1692	0.0	1499	1692	0	2.32	48	63.2	40.0	30.8	
7-8 AM	2386	0.0	1500	1764	622	14.65+	377	61.9	13.5	31.4	
8-9 AM	1770	0.0	1499	1458	312	15.67+	395	63.1	12.8	30.8	
9-10 AM	1627	0.0	1499	1498	129	15.83+	399	63.3	12.7	30.8	
10-11 AM	1770	0.0	1500	1500	270	15.82+	400	63.1	12.7	30.8	
11AM-NOON	1807	0.0	1500	1500	307	15.82+	400	63.0	12.7	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	1500	1500	891	15.75+	400	61.9	12.7	30.8	
4-5 PM	2578	0.0	1500	1500	1078	15.62+	400	60.1	12.7	30.8	
5-6 PM	2397	0.0	1500	1500	897	15.75+	400	61.9	12.7	30.8	
6-7 PM	1592	0.0	1500	1456	137	15.65+	395	63.4	12.9	30.8	
7-8 PM	1038	0.0	1499	1038	0	4.69	167	64.5	29.3	36.7	
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	

+ 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

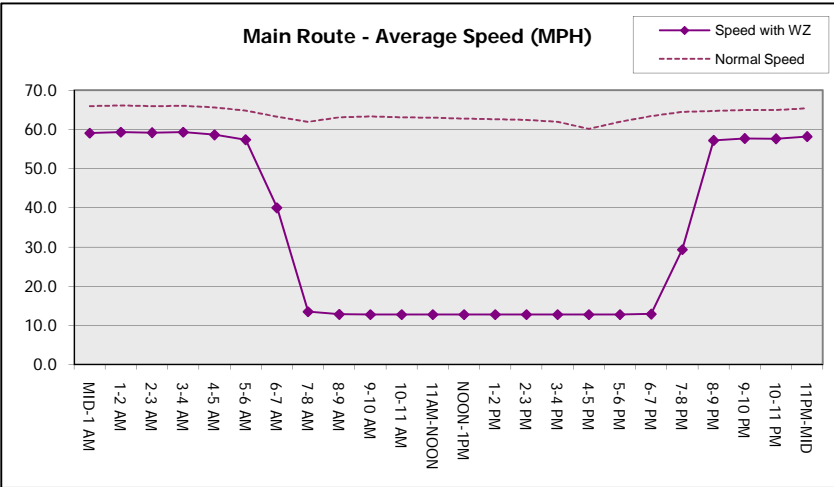
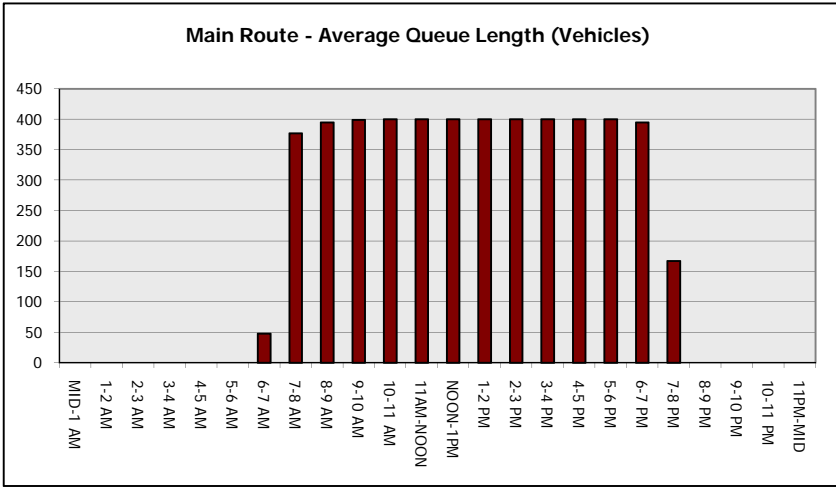
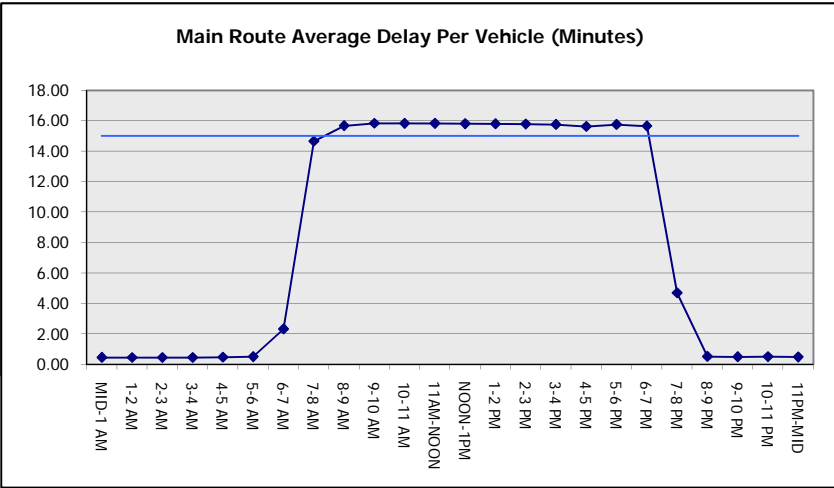
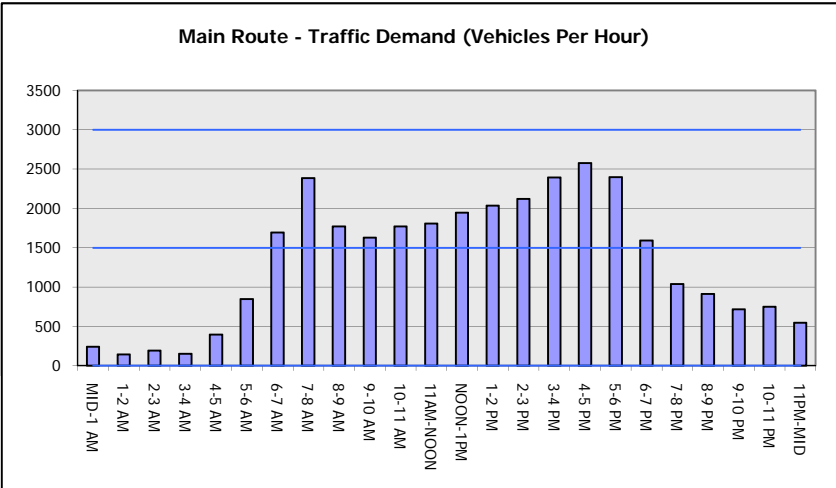
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0214
MAIN ROUTE WITH WORKS	0.0155
'DIVERSION'	0.0097
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$88,825
CONGESTED HOURS PER DAY*	12

*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 (OUTAGMIE AND BROWN COUNTIES) CONTINUOUS (24 HOUR) 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	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	1500	820	0	0.50	0	64.8	57.4	42.3
6-7 AM	1373	0.0	1499	1373	0	0.96	4	63.8	51.3	34.4
7-8 AM	2093	0.0	1500	1859	234	9.80+	272	62.5	18.2	30.8
8-9 AM	1542	0.0	1500	1519	23	15.68+	395	63.5	12.9	30.8
9-10 AM	1642	0.0	1499	1500	142	15.84+	399	63.3	12.7	30.8
10-11 AM	1773	0.0	1500	1500	273	15.82+	400	63.1	12.7	30.8
11AM-NOON	1925	0.0	1500	1500	425	15.80+	400	62.8	12.7	30.8
NOON-1PM	2108	0.0	1500	1500	608	15.78+	400	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	1500	1500	1073	15.63+	400	60.1	12.7	30.8
4-5 PM	2902	0.0	1500	1500	1402	15.38+	400	56.8	12.7	30.8
5-6 PM	2615	0.0	1500	1500	1115	15.60+	400	59.7	12.7	30.8
6-7 PM	1936	0.0	1500	1500	436	15.80+	400	62.8	12.7	30.8
7-8 PM	1326	0.0	1499	1326	0	13.06+	329	63.9	14.8	30.8
8-9 PM	1191	0.0	1500	1191	0	2.97	86	64.1	36.5	35.7
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

+ 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	0.0162
'DIVERSION'	0.0114

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$94,070
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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