

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

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	245	0.0	1500	245	0	0.45	0	66.0	60.9	44.5
1-2 AM	157	0.0	1500	157	0	0.44	0	66.1	61.1	44.8
2-3 AM	170	0.0	1500	170	0	0.44	0	66.1	61.0	44.8
3-4 AM	148	0.0	1500	148	0	0.44	0	66.1	61.1	44.9
4-5 AM	466	0.0	1500	466	0	0.47	0	65.5	60.3	43.7
5-6 AM	880	0.0	OFF	880	0	0.00	0	64.8	64.8	64.8
6-7 AM	1840	0.0	OFF	1840	0	0.00	0	63.0	63.0	63.0
7-8 AM	2716	0.0	OFF	2716	0	0.00	0	58.7	58.7	58.7
8-9 AM	2095	0.0	OFF	2095	0	0.00	0	62.5	62.5	62.5
9-10 AM	1863	0.0	OFF	1863	0	0.00	0	62.9	62.9	62.9
10-11 AM	1982	0.0	OFF	1982	0	0.00	0	62.7	62.7	62.7
11AM-NOON	2053	0.0	OFF	2053	0	0.00	0	62.5	62.5	62.5
NOON-1PM	2215	0.0	OFF	2215	0	0.00	0	62.3	62.3	62.3
1-2 PM	2348	0.0	OFF	2348	0	0.00	0	62.0	62.0	62.0
2-3 PM	2347	0.0	OFF	2347	0	0.00	0	62.0	62.0	62.0
3-4 PM	2517	0.0	OFF	2517	0	0.00	0	60.7	60.7	60.7
4-5 PM	2762	0.0	OFF	2762	0	0.00	0	58.2	58.2	58.2
5-6 PM	2598	0.0	OFF	2598	0	0.00	0	59.9	59.9	59.9
6-7 PM	1861	0.0	OFF	1861	0	0.00	0	62.9	62.9	62.9
7-8 PM	1239	0.0	1500	1239	0	0.69	0	64.1	57.0	37.3
8-9 PM	956	0.0	1500	956	0	0.51	0	64.6	59.1	41.9
9-10 PM	818	0.0	1500	818	0	0.50	0	64.8	59.4	42.4
10-11 PM	742	0.0	1500	742	0	0.49	0	65.0	59.6	42.6
11PM-MID	531	0.0	1500	531	0	0.47	0	65.4	60.1	43.4

"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

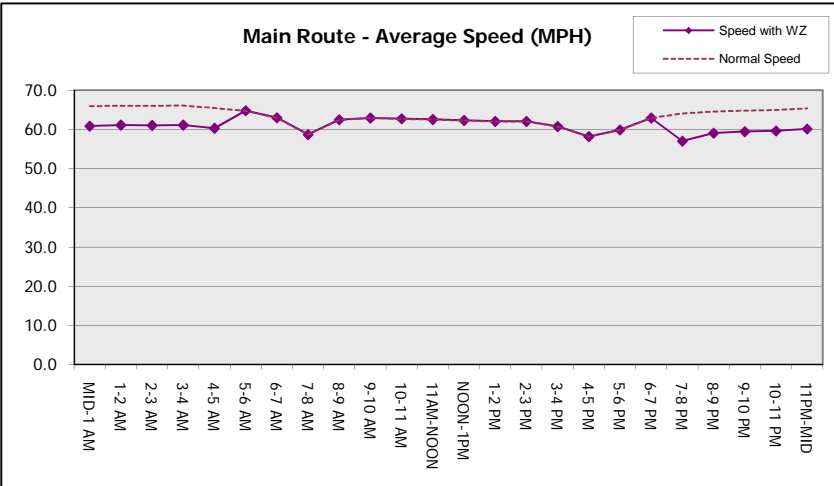
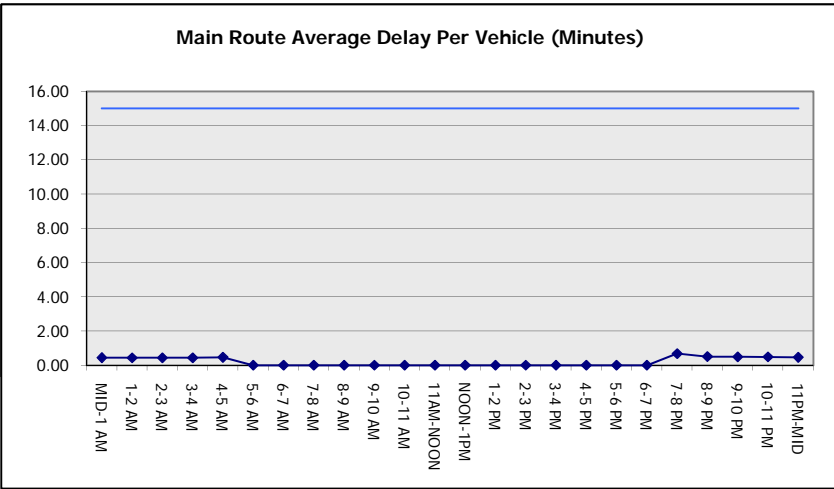
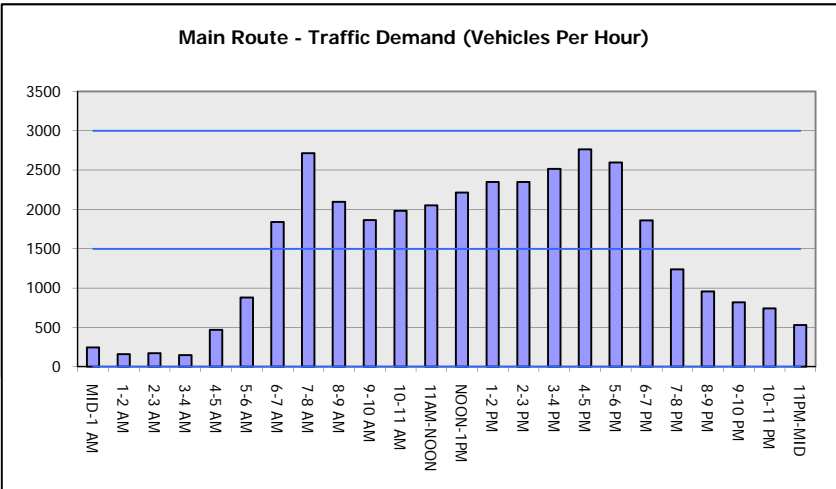
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0334
MAIN ROUTE WITH WORKS	0.0330
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$631
CONGESTED HOURS PER DAY*	0

*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	274	0.0	1500	274	0	0.45	0	65.9	60.8	44.4
1-2 AM	184	0.0	1500	184	0	0.44	0	66.0	61.0	44.8
2-3 AM	179	0.0	1500	179	0	0.44	0	66.1	61.0	44.8
3-4 AM	148	0.0	1500	148	0	0.44	0	66.1	61.1	44.9
4-5 AM	271	0.0	1500	271	0	0.45	0	65.9	60.8	44.4
5-6 AM	725	0.0	OFF	725	0	0.00	0	65.0	65.0	65.0
6-7 AM	1280	0.0	OFF	1280	0	0.00	0	64.0	64.0	64.0
7-8 AM	1812	0.0	OFF	1812	0	0.00	0	63.0	63.0	63.0
8-9 AM	1542	0.0	OFF	1542	0	0.00	0	63.5	63.5	63.5
9-10 AM	1594	0.0	OFF	1594	0	0.00	0	63.4	63.4	63.4
10-11 AM	1839	0.0	OFF	1839	0	0.00	0	63.0	63.0	63.0
11AM-NOON	2074	0.0	OFF	2074	0	0.00	0	62.5	62.5	62.5
NOON-1PM	2219	0.0	OFF	2219	0	0.00	0	62.2	62.2	62.2
1-2 PM	2433	0.0	OFF	2433	0	0.00	0	61.6	61.6	61.6
2-3 PM	2575	0.0	OFF	2575	0	0.00	0	60.1	60.1	60.1
3-4 PM	2877	0.0	OFF	2877	0	0.00	0	57.0	57.0	57.0
4-5 PM	3314	0.0	OFF	3314	0	0.00	0	52.5	52.5	52.5
5-6 PM	2815	0.0	OFF	2815	0	0.00	0	57.6	57.6	57.6
6-7 PM	2018	0.0	OFF	2018	0	0.00	0	62.6	62.6	62.6
7-8 PM	1454	0.0	1499	1454	0	1.15	5	63.7	52.7	32.2
8-9 PM	1363	0.0	1500	1363	0	0.85	0	63.8	55.4	33.8
9-10 PM	1159	0.0	1500	1159	0	0.58	0	64.2	58.1	39.8
10-11 PM	820	0.0	1500	820	0	0.50	0	64.8	59.4	42.3
11PM-MID	530	0.0	1500	530	0	0.47	0	65.4	60.1	43.4

"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	0.0334
MAIN ROUTE WITH WORKS	0.0329
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,007
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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