

USH 41: STH 15 TO STH 441 (OUTAGAMIE COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	147	0.0	OFF	147	0	0.00	0	66.1	66.1	66.1	
1-2 AM	141	0.0	OFF	141	0	0.00	0	66.1	66.1	66.1	
2-3 AM	157	0.0	OFF	157	0	0.00	0	66.1	66.1	66.1	
3-4 AM	157	0.0	OFF	157	0	0.00	0	66.1	66.1	66.1	
4-5 AM	442	0.0	OFF	442	0	0.00	0	65.6	65.6	65.6	
5-6 AM	944	0.0	OFF	944	0	0.00	0	64.6	64.6	64.6	
6-7 AM	2306	0.0	OFF	2306	0	0.00	0	62.1	62.1	62.1	
7-8 AM	3620	0.0	OFF	3620	0	0.00	0	49.4	49.4	49.4	
8-9 AM	2355	0.0	OFF	2355	0	0.00	0	62.0	62.0	62.0	
9-10 AM	1831	0.0	OFF	1831	0	0.00	0	63.0	63.0	63.0	
10-11 AM	1917	0.0	1499	1917	0	7.44	204	62.8	27.1	30.8	
11AM-NOON	1968	0.0	1499	1500	468	15.78+	399	62.7	16.5	30.8	
NOON-1PM	2138	0.0	1500	1500	638	15.75+	400	62.4	16.5	30.8	
1-2 PM	2220	0.0	1500	1500	720	15.73+	400	62.2	16.5	30.8	
2-3 PM	2335	0.0	1500	1500	835	15.71+	400	62.0	16.5	30.8	
3-4 PM	2750	0.0	OFF	2750	0	1.52	69	58.3	46.6	46.6	
4-5 PM	3081	0.0	OFF	3081	0	0.00	0	55.0	55.0	55.0	
5-6 PM	2755	0.0	OFF	2755	0	0.00	0	58.3	58.3	58.3	
6-7 PM	1950	0.0	OFF	1950	0	0.00	0	62.8	62.8	62.8	
7-8 PM	1268	0.0	OFF	1268	0	0.00	0	64.0	64.0	64.0	
8-9 PM	976	0.0	OFF	976	0	0.00	0	64.6	64.6	64.6	
9-10 PM	898	0.0	OFF	898	0	0.00	0	64.7	64.7	64.7	
10-11 PM	689	0.0	OFF	689	0	0.00	0	65.1	65.1	65.1	
11PM-MID	431	0.0	OFF	431	0	0.00	0	65.6	65.6	65.6	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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

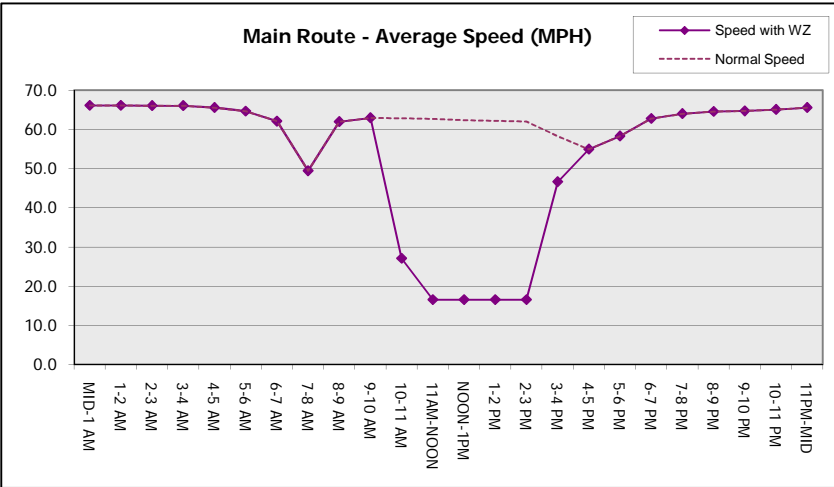
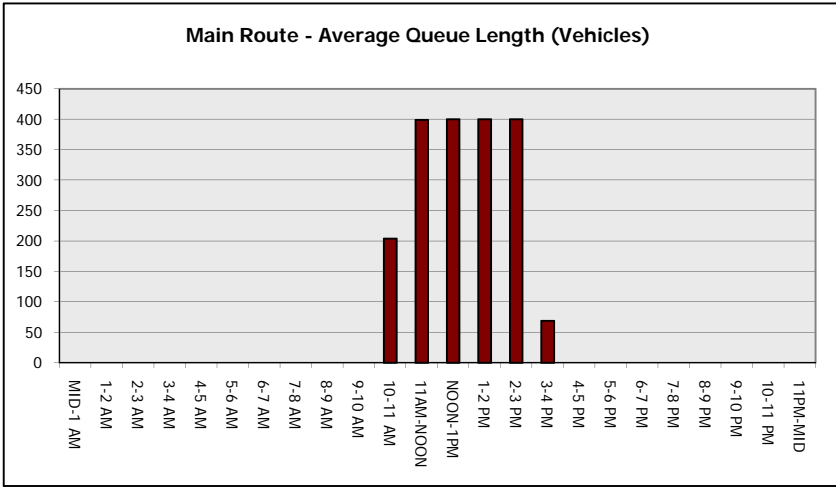
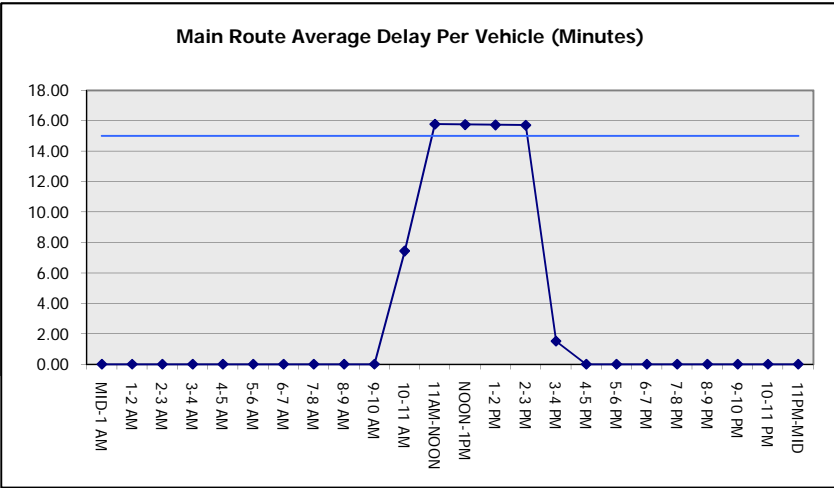
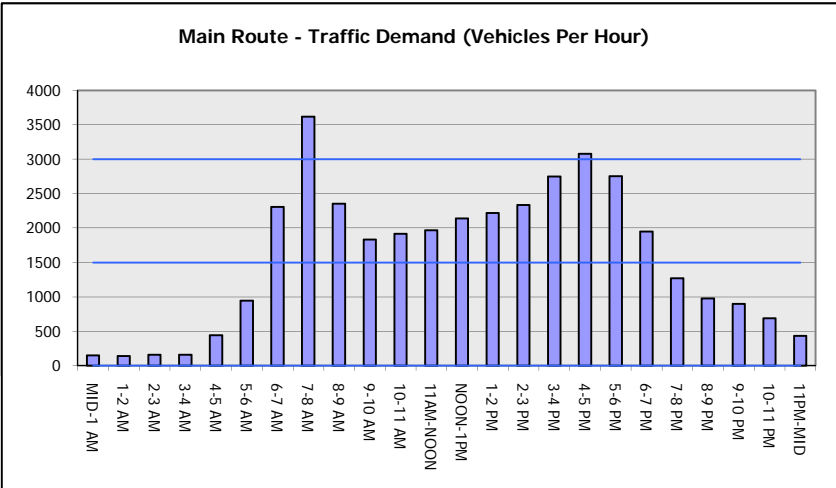
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0352
MAIN ROUTE WITH WORKS	0.0322
'DIVERSION'	0.0058
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$33,606
CONGESTED HOURS PER DAY*	4

*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	240	0.0	OFF	240	0	0.00	0	66.0	66.0	66.0
1-2 AM	141	0.0	OFF	141	0	0.00	0	66.1	66.1	66.1
2-3 AM	209	0.0	OFF	209	0	0.00	0	66.0	66.0	66.0
3-4 AM	114	0.0	OFF	114	0	0.00	0	66.2	66.2	66.2
4-5 AM	259	0.0	OFF	259	0	0.00	0	65.9	65.9	65.9
5-6 AM	708	0.0	OFF	708	0	0.00	0	65.1	65.1	65.1
6-7 AM	1458	0.0	OFF	1458	0	0.00	0	63.7	63.7	63.7
7-8 AM	2306	0.0	OFF	2306	0	0.00	0	62.1	62.1	62.1
8-9 AM	1813	0.0	OFF	1813	0	0.00	0	63.0	63.0	63.0
9-10 AM	1584	0.0	OFF	1584	0	0.00	0	63.4	63.4	63.4
10-11 AM	1874	0.0	1499	1874	0	6.39	172	62.9	29.4	30.8
11AM-NOON	2066	0.0	1499	1500	566	15.76+	399	62.5	16.5	30.8
NOON-1PM	2221	0.0	1500	1500	721	15.73+	400	62.2	16.5	30.8
1-2 PM	2394	0.0	1500	1500	894	15.70+	400	61.9	16.5	30.8
2-3 PM	2730	0.0	1499	1500	1230	15.37+	400	58.6	16.5	30.8
3-4 PM	3345	0.0	OFF	3345	0	2.14	107	52.2	39.7	39.7
4-5 PM	3637	0.0	OFF	3637	0	0.00	0	49.2	49.2	49.2
5-6 PM	3196	0.0	OFF	3196	0	0.00	0	53.8	53.8	53.8
6-7 PM	2323	0.0	OFF	2323	0	0.00	0	62.0	62.0	62.0
7-8 PM	1768	0.0	OFF	1768	0	0.00	0	63.1	63.1	63.1
8-9 PM	1473	0.0	OFF	1473	0	0.00	0	63.7	63.7	63.7
9-10 PM	1243	0.0	OFF	1243	0	0.00	0	64.1	64.1	64.1
10-11 PM	801	0.0	OFF	801	0	0.00	0	64.9	64.9	64.9
11PM-MID	485	0.0	OFF	485	0	0.00	0	65.5	65.5	65.5

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0361
MAIN ROUTE WITH WORKS	0.0323
'DIVERSION'	0.0074

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$36,081
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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