

USH 41: STH 15 TO STH 125 (OUTAGAMIE COUNTY) CONTINUOUS (24 HOUR) 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	232	0.0	3000	232	0	0.36	0	70.2	56.9	49.7	
1-2 AM	156	0.0	3000	156	0	0.36	0	70.2	56.9	49.7	
2-3 AM	169	0.0	3000	169	0	0.36	0	70.2	56.9	49.7	
3-4 AM	168	0.0	3000	168	0	0.36	0	70.2	56.9	49.7	
4-5 AM	306	0.0	3000	306	0	0.36	0	70.2	56.9	49.7	
5-6 AM	919	0.0	3000	919	0	0.35	0	69.6	56.8	49.7	
6-7 AM	1791	0.0	3000	1791	0	0.34	0	68.5	56.4	49.7	
7-8 AM	2739	0.0	3000	2739	0	0.56	0	67.3	49.9	41.7	
8-9 AM	1917	0.0	3000	1917	0	0.34	0	68.4	56.4	49.7	
9-10 AM	1585	0.0	3000	1585	0	0.34	0	68.7	56.5	49.7	
10-11 AM	1671	0.0	3000	1671	0	0.34	0	68.7	56.4	49.7	
11AM-NOON	1917	0.0	3000	1917	0	0.34	0	68.4	56.4	49.7	
NOON-1PM	2132	0.0	3000	2132	0	0.33	0	68.1	56.3	49.7	
1-2 PM	2398	0.0	3000	2398	0	0.34	0	67.8	56.0	49.4	
2-3 PM	2489	0.0	3000	2489	0	0.39	0	67.6	54.2	47.1	
3-4 PM	2617	0.0	3000	2617	0	0.48	0	67.5	52.0	44.2	
4-5 PM	2913	0.0	3000	2913	0	0.67	0	67.1	47.3	38.6	
5-6 PM	2604	0.0	3000	2604	0	0.47	0	67.5	52.2	44.5	
6-7 PM	1737	0.0	3000	1737	0	0.34	0	68.6	56.4	49.7	
7-8 PM	1311	0.0	3000	1311	0	0.35	0	69.1	56.6	49.7	
8-9 PM	1248	0.0	3000	1248	0	0.35	0	69.2	56.6	49.7	
9-10 PM	1149	0.0	3000	1149	0	0.35	0	69.3	56.6	49.7	
10-11 PM	851	0.0	3000	851	0	0.35	0	69.7	56.8	49.7	
11PM-MID	511	0.0	3000	511	0	0.36	0	70.1	56.9	49.7	

----- 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

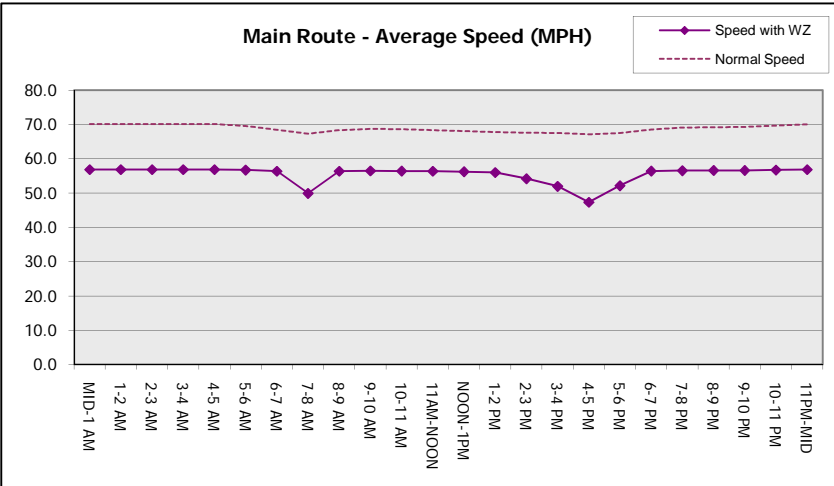
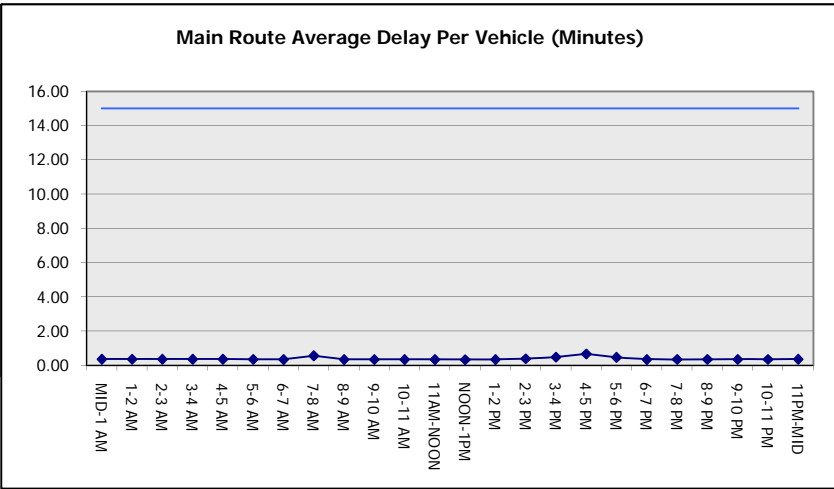
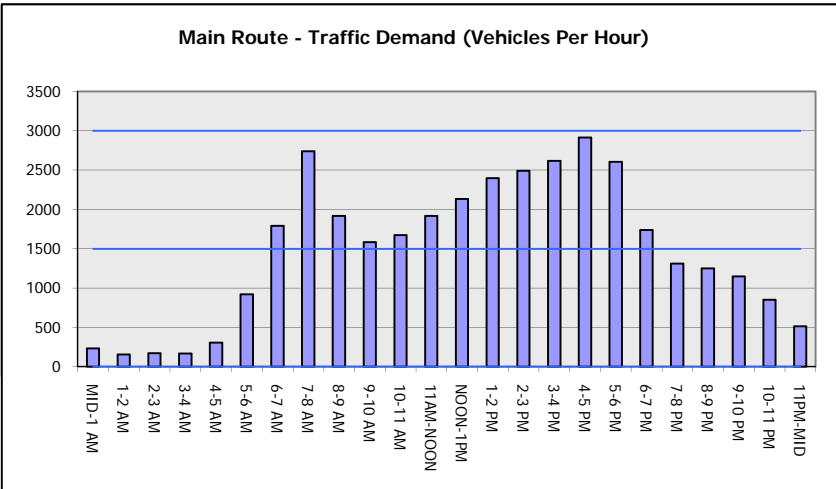
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0102
MAIN ROUTE WITH WORKS	0.0078
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$3,232
CONGESTED HOURS PER DAY*	0

*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	252	0.0	3000	252	0	0.36	0	70.2	56.9	49.7
1-2 AM	194	0.0	3000	194	0	0.36	0	70.2	56.9	49.7
2-3 AM	163	0.0	3000	163	0	0.36	0	70.2	56.9	49.7
3-4 AM	149	0.0	3000	149	0	0.36	0	70.2	56.9	49.7
4-5 AM	309	0.0	3000	309	0	0.36	0	70.2	56.9	49.7
5-6 AM	697	0.0	3000	697	0	0.36	0	69.9	56.8	49.7
6-7 AM	1429	0.0	3000	1429	0	0.34	0	68.9	56.6	49.7
7-8 AM	2442	0.0	3000	2442	0	0.36	0	67.7	55.1	48.3
8-9 AM	1966	0.0	3000	1966	0	0.34	0	68.3	56.3	49.7
9-10 AM	1814	0.0	3000	1814	0	0.34	0	68.5	56.4	49.7
10-11 AM	1997	0.0	3000	1997	0	0.33	0	68.2	56.3	49.7
11AM-NOON	2191	0.0	3000	2191	0	0.33	0	68.0	56.3	49.7
NOON-1PM	2256	0.0	3000	2256	0	0.33	0	67.9	56.3	49.7
1-2 PM	2239	0.0	3000	2239	0	0.33	0	67.9	56.3	49.7
2-3 PM	2640	0.0	2999	2640	0	0.49	0	67.4	51.6	43.8
3-4 PM	3015	0.0	2999	3015	0	0.91	13	67.0	42.7	37.8
4-5 PM	3361	0.0	3000	3361	0	4.64	236	66.6	18.3	37.3
5-6 PM	2906	0.0	2999	2906	0	8.01	402	67.1	13.5	37.3
6-7 PM	2241	0.0	2999	2241	0	1.18	83	67.9	39.1	46.5
7-8 PM	1721	0.0	3000	1721	0	0.34	0	68.6	56.4	49.7
8-9 PM	1300	0.0	3000	1300	0	0.35	0	69.1	56.6	49.7
9-10 PM	984	0.0	3000	984	0	0.35	0	69.5	56.7	49.7
10-11 PM	790	0.0	3000	790	0	0.35	0	69.7	56.8	49.7
11PM-MID	558	0.0	3000	558	0	0.36	0	70.0	56.9	49.7

----- 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	0.0108
MAIN ROUTE WITH WORKS	0.0083
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$11,907
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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