

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

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	359	0.0	OFF	359	0	0.00	0	65.7	65.7	65.7
1-2 AM	178	0.0	OFF	178	0	0.00	0	66.1	66.1	66.1
2-3 AM	204	0.0	OFF	204	0	0.00	0	66.0	66.0	66.0
3-4 AM	127	0.0	OFF	127	0	0.00	0	66.1	66.1	66.1
4-5 AM	125	0.0	OFF	125	0	0.00	0	66.1	66.1	66.1
5-6 AM	214	0.0	OFF	214	0	0.00	0	66.0	66.0	66.0
6-7 AM	326	0.0	OFF	326	0	0.00	0	65.8	65.8	65.8
7-8 AM	513	0.0	OFF	513	0	0.00	0	65.5	65.5	65.5
8-9 AM	845	0.0	OFF	845	0	0.00	0	64.8	64.8	64.8
9-10 AM	1229	0.0	1499	1229	0	0.67	0	64.1	57.1	37.8
10-11 AM	1691	0.0	1499	1691	0	3.69	81	63.2	38.1	30.8
11AM-NOON	1673	0.0	1499	1673	0	10.74	267	63.3	21.7	30.8
NOON-1PM	2009	0.0	1499	1500	509	15.77+	399	62.7	16.5	30.8
1-2 PM	1898	0.0	1500	1500	398	15.79+	400	62.8	16.5	30.8
2-3 PM	1793	0.0	1500	1504	289	15.79+	399	63.0	16.5	30.8
3-4 PM	1797	0.0	1499	1500	297	15.80+	399	63.0	16.5	30.8
4-5 PM	1726	0.0	1500	1509	217	15.77+	398	63.2	16.6	30.8
5-6 PM	1639	0.0	1499	1526	113	15.71+	396	63.3	16.6	30.8
6-7 PM	1275	0.0	1499	1275	0	12.13+	308	64.0	20.1	31.0
7-8 PM	1061	0.0	OFF	1061	0	0.11	5	64.4	63.2	63.2
8-9 PM	726	0.0	OFF	726	0	0.00	0	65.0	65.0	65.0
9-10 PM	586	0.0	OFF	586	0	0.00	0	65.3	65.3	65.3
10-11 PM	362	0.0	OFF	362	0	0.00	0	65.7	65.7	65.7
11PM-MID	216	0.0	OFF	216	0	0.00	0	66.0	66.0	66.0

"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	0.0
(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	0
(VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

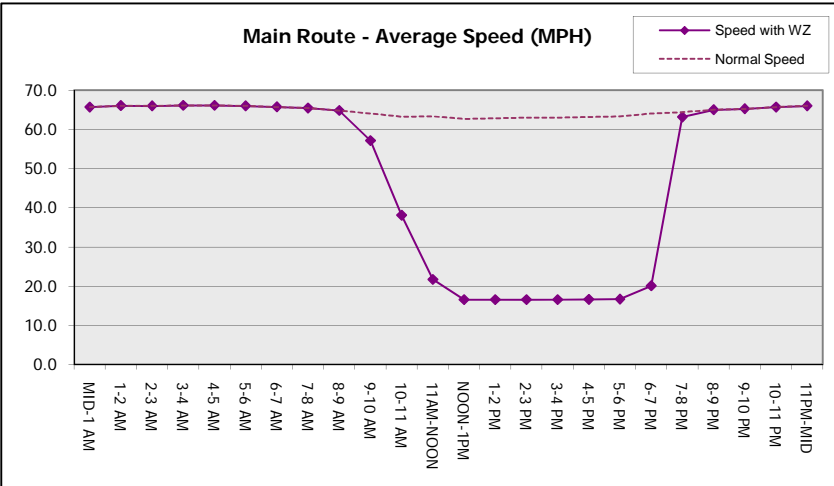
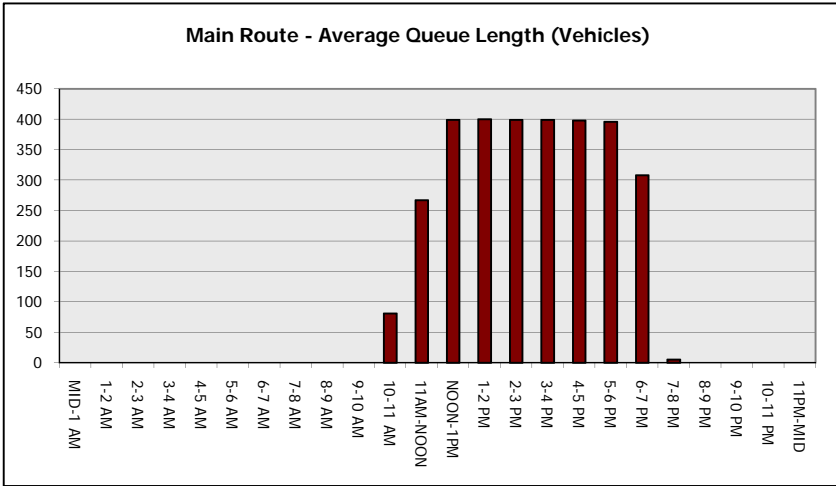
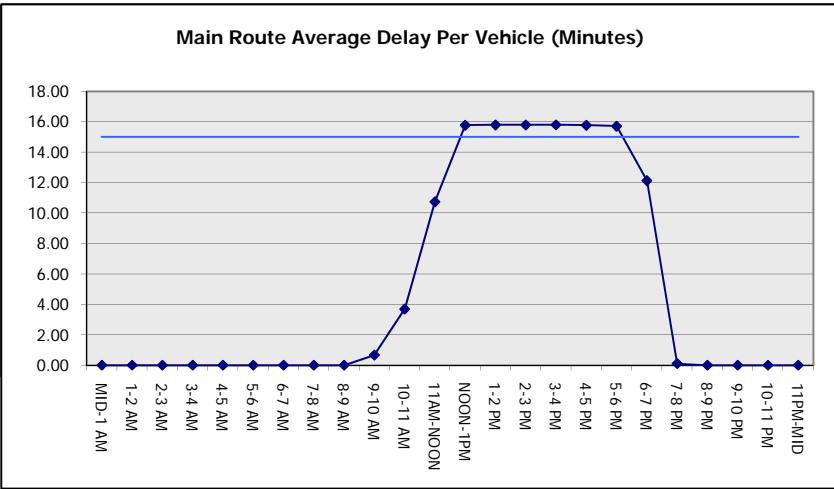
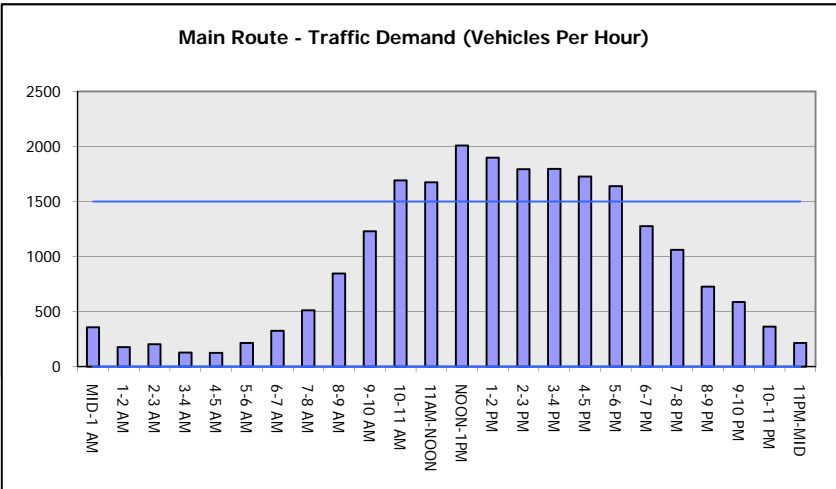
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0212
MAIN ROUTE WITH WORKS	0.0185
'DIVERSION'	0.0040
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$58,648
CONGESTED HOURS PER DAY*	7

*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	313	0.0	OFF	313	0	0.00	0	65.8	65.8	65.8
1-2 AM	198	0.0	OFF	198	0	0.00	0	66.0	66.0	66.0
2-3 AM	213	0.0	OFF	213	0	0.00	0	66.0	66.0	66.0
3-4 AM	108	0.0	OFF	108	0	0.00	0	66.2	66.2	66.2
4-5 AM	103	0.0	OFF	103	0	0.00	0	66.2	66.2	66.2
5-6 AM	181	0.0	OFF	181	0	0.00	0	66.1	66.1	66.1
6-7 AM	235	0.0	OFF	235	0	0.00	0	66.0	66.0	66.0
7-8 AM	407	0.0	OFF	407	0	0.00	0	65.6	65.6	65.6
8-9 AM	607	0.0	OFF	607	0	0.00	0	65.3	65.3	65.3
9-10 AM	951	0.0	1500	951	0	0.51	0	64.6	59.1	41.9
10-11 AM	1219	0.0	1499	1219	0	0.66	0	64.1	57.3	38.0
11AM-NOON	1504	0.0	1499	1504	0	1.30	9	63.6	51.5	31.5
NOON-1PM	1795	0.0	1500	1795	0	6.99	178	63.0	28.1	30.8
1-2 PM	1724	0.0	1499	1586	138	15.44+	390	63.2	16.8	30.8
2-3 PM	1861	0.0	1500	1500	361	15.79+	400	62.9	16.5	30.8
3-4 PM	1978	0.0	1500	1500	478	15.77+	400	62.7	16.5	30.8
4-5 PM	1893	0.0	1500	1500	393	15.79+	400	62.8	16.5	30.8
5-6 PM	1689	0.0	1500	1492	197	15.79+	399	63.2	16.6	30.8
6-7 PM	1487	0.0	1499	1452	36	15.44+	389	63.6	16.8	30.8
7-8 PM	1218	0.0	OFF	1218	0	0.41	23	64.1	59.6	59.6
8-9 PM	977	0.0	OFF	977	0	0.00	0	64.6	64.6	64.6
9-10 PM	577	0.0	OFF	577	0	0.00	0	65.3	65.3	65.3
10-11 PM	465	0.0	OFF	465	0	0.00	0	65.5	65.5	65.5
11PM-MID	236	0.0	OFF	236	0	0.00	0	66.0	66.0	66.0

"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	0.0
(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	0
(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	0.0206
MAIN ROUTE WITH WORKS	0.0181
'DIVERSION'	0.0035

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$50,642
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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