

USH 41: STH 125 TO USH 10 (WINNEBAGO AND OUTAGAMIE COUNTIES) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	416	0.0	1500	416	0	1.44	60	70.2	45.5	43.5	
1-2 AM	274	0.0	1500	274	0	0.51	0	70.2	58.9	44.4	
2-3 AM	253	0.0	1500	253	0	0.50	0	70.2	59.0	44.5	
3-4 AM	181	0.0	1500	181	0	0.49	0	70.2	59.1	44.8	
4-5 AM	249	0.0	1500	249	0	0.50	0	70.2	59.0	44.5	
5-6 AM	418	0.0	1500	418	0	0.52	0	70.2	58.6	43.8	
6-7 AM	644	0.0	1500	644	0	0.55	0	69.9	58.0	43.0	
7-8 AM	936	0.0	1500	936	0	0.58	0	69.6	57.2	41.9	
8-9 AM	1351	0.0	1499	1351	0	0.90	0	69.1	51.8	34.3	
9-10 AM	1742	0.0	1499	1742	0	4.01	96	68.6	27.6	30.8	
10-11 AM	2147	0.0	1500	1725	422	15.49+	381	68.1	10.2	30.8	
11AM-NOON	2387	0.0	1500	1500	887	16.33+	400	67.8	9.7	30.8	
NOON-1PM	2500	0.0	1500	1500	1000	16.33+	400	67.6	9.7	30.8	
1-2 PM	2519	0.0	1500	1500	1019	16.33+	400	67.6	9.7	30.8	
2-3 PM	2500	0.0	1500	1500	1000	16.33+	400	67.6	9.7	30.8	
3-4 PM	2476	0.0	1500	1500	976	16.33+	400	67.6	9.7	30.8	
4-5 PM	2434	0.0	1500	1500	934	16.33+	400	67.7	9.7	30.8	
5-6 PM	2214	0.0	1500	1486	728	16.29+	398	68.0	9.7	30.8	
6-7 PM	1809	0.0	1499	1470	339	16.25+	397	68.5	9.8	30.8	
7-8 PM	1596	0.0	1499	1483	112	16.30+	398	68.7	9.8	30.8	
8-9 PM	1491	0.0	1499	1476	15	16.11+	393	68.9	9.9	30.8	
9-10 PM	1463	0.0	1499	1463	0	14.91	361	68.9	10.6	30.8	
10-11 PM	1551	0.0	1500	1551	0	15.18+	369	68.8	10.4	30.8	
11PM-MID	1519	0.0	1499	1439	81	15.69+	382	68.9	10.1	30.8	

+ 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

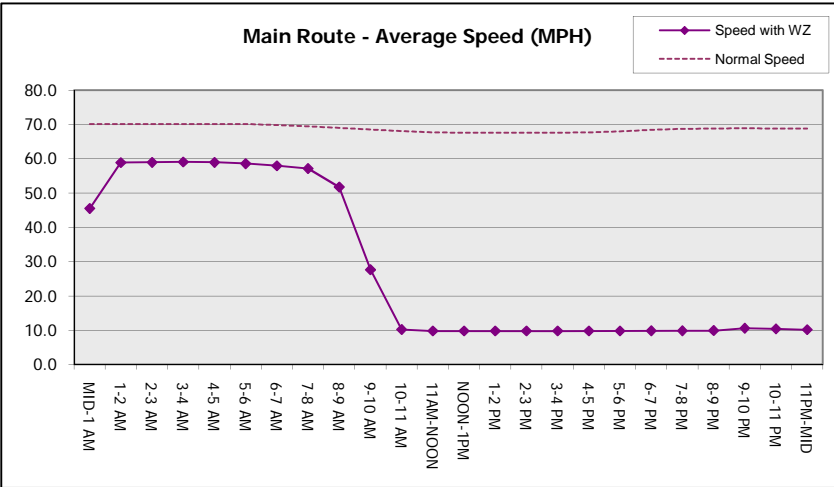
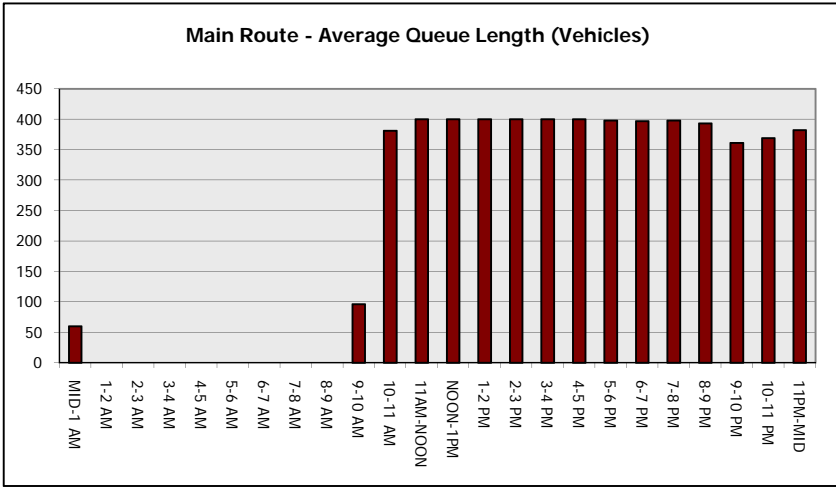
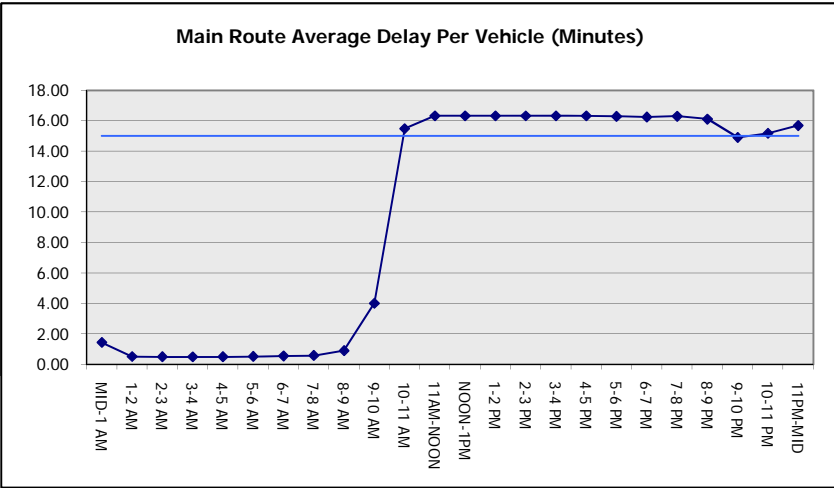
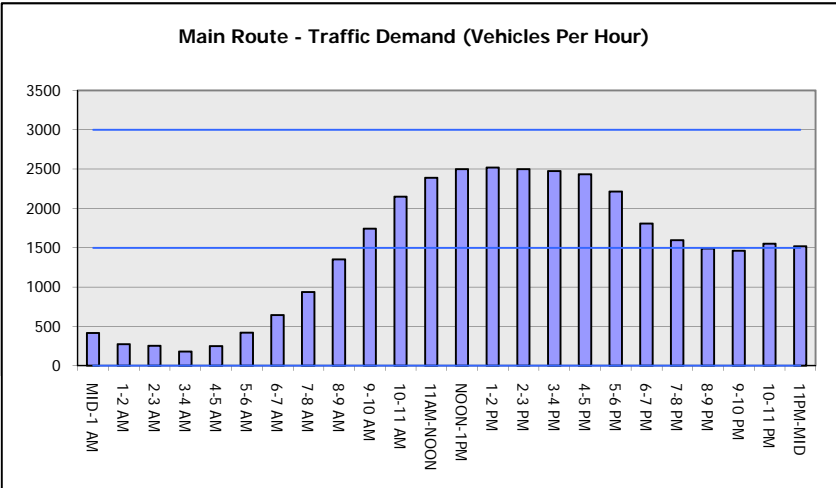
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0173
MAIN ROUTE WITH WORKS	0.0118
'DIVERSION'	0.0086
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$130,282
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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AUGUST
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



USH 41: STH 125 TO USH 10 (WINNEBAGO AND OUTAGAMIE COUNTIES) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	410	0.0	1500	410	0	0.52	0	70.2	58.6	43.8
1-2 AM	250	0.0	1500	250	0	0.50	0	70.2	59.0	44.5
2-3 AM	222	0.0	1500	222	0	0.50	0	70.2	59.1	44.6
3-4 AM	172	0.0	1500	172	0	0.49	0	70.2	59.2	44.8
4-5 AM	246	0.0	1500	246	0	0.50	0	70.2	59.0	44.5
5-6 AM	344	0.0	1500	344	0	0.51	0	70.2	58.7	44.1
6-7 AM	588	0.0	1500	588	0	0.54	0	70.0	58.1	43.2
7-8 AM	976	0.0	1499	976	0	0.58	0	69.5	57.1	41.8
8-9 AM	1489	0.0	1499	1489	0	1.46	14	68.9	44.7	32.4
9-10 AM	1990	0.0	1500	1907	83	9.41+	255	68.2	15.3	30.8
10-11 AM	2533	0.0	1500	1500	1033	16.33+	400	67.6	9.7	30.8
11AM-NOON	2787	0.0	1500	1500	1287	16.31+	400	67.3	9.7	30.8
NOON-1PM	2886	0.0	1500	1500	1386	16.31+	400	67.1	9.7	30.8
1-2 PM	2909	0.0	1500	1500	1409	16.31+	400	67.1	9.7	30.8
2-3 PM	2917	0.0	1500	1500	1417	16.31+	400	67.1	9.7	30.8
3-4 PM	2825	0.0	1500	1500	1325	16.31+	400	67.3	9.7	30.8
4-5 PM	2668	0.0	1500	1500	1168	16.32+	400	67.4	9.7	30.8
5-6 PM	2480	0.0	1500	1500	980	16.33+	400	67.6	9.7	30.8
6-7 PM	1818	0.0	1499	1446	371	16.16+	394	68.5	9.9	30.8
7-8 PM	1263	0.0	1499	1263	0	12.71+	316	69.2	12.0	31.2
8-9 PM	1052	0.0	1500	1052	0	1.49	38	69.4	44.6	39.7
9-10 PM	875	0.0	1500	875	0	0.57	0	69.7	57.3	42.1
10-11 PM	747	0.0	1500	747	0	0.56	0	69.8	57.7	42.6
11PM-MID	546	0.0	1500	546	0	0.54	0	70.0	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	0.0173
MAIN ROUTE WITH WORKS	0.0105
'DIVERSION'	0.0120

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$119,082
CONGESTED HOURS PER DAY*	11

*Delays Exceeding User-Specified Maximum

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