

USH 41: STH 441 TO STH 55 (OUTAGAMIE AND BROWN COUNTIES) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	314	0.0	OFF	314	0	0.00	0	65.8	65.8	65.8
1-2 AM	186	0.0	OFF	186	0	0.00	0	66.0	66.0	66.0
2-3 AM	173	0.0	OFF	173	0	0.00	0	66.1	66.1	66.1
3-4 AM	114	0.0	OFF	114	0	0.00	0	66.2	66.2	66.2
4-5 AM	191	0.0	OFF	191	0	0.00	0	66.0	66.0	66.0
5-6 AM	301	0.0	OFF	301	0	0.00	0	65.8	65.8	65.8
6-7 AM	484	0.0	OFF	484	0	0.00	0	65.5	65.5	65.5
7-8 AM	885	0.0	OFF	885	0	0.00	0	64.7	64.7	64.7
8-9 AM	1146	0.0	1500	1146	0	0.57	0	64.3	56.1	40.2
9-10 AM	1366	0.0	1499	1366	0	0.85	0	63.8	52.5	33.8
10-11 AM	1543	0.0	1499	1543	0	1.57	15	63.5	45.5	30.8
11AM-NOON	1557	0.0	1499	1557	0	3.61	70	63.5	33.2	30.8
NOON-1PM	1566	0.0	1500	1566	0	6.07	137	63.5	25.1	30.8
1-2 PM	1419	0.0	1499	1419	0	5.81	130	63.7	25.8	30.8
2-3 PM	1404	0.0	1499	1404	0	2.15	35	63.8	41.3	31.7
3-4 PM	1496	0.0	1500	1496	0	1.02	0	63.6	50.6	30.9
4-5 PM	1409	0.0	1500	1409	0	0.91	0	63.8	51.9	32.8
5-6 PM	1325	0.0	1500	1325	0	0.80	0	63.9	53.2	34.8
6-7 PM	1176	0.0	OFF	1176	0	0.00	0	64.2	64.2	64.2
7-8 PM	874	0.0	OFF	874	0	0.00	0	64.8	64.8	64.8
8-9 PM	752	0.0	OFF	752	0	0.00	0	65.0	65.0	65.0
9-10 PM	681	0.0	OFF	681	0	0.00	0	65.1	65.1	65.1
10-11 PM	529	0.0	OFF	529	0	0.00	0	65.4	65.4	65.4
11PM-MID	381	0.0	OFF	381	0	0.00	0	65.7	65.7	65.7

"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

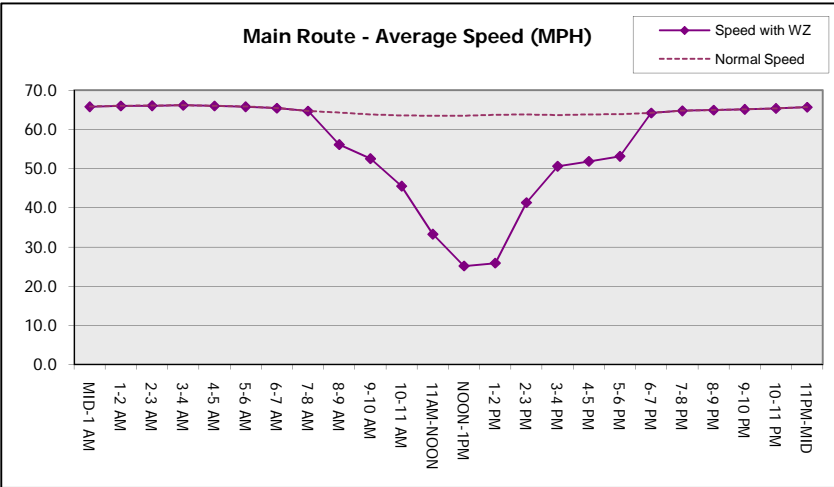
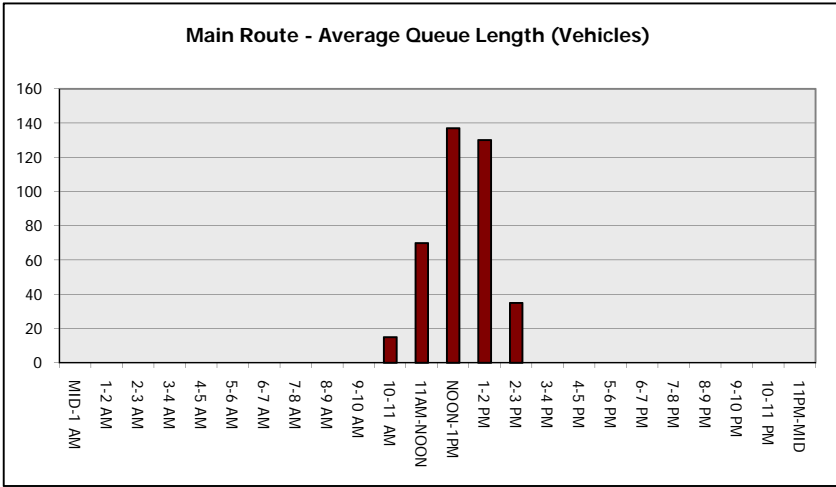
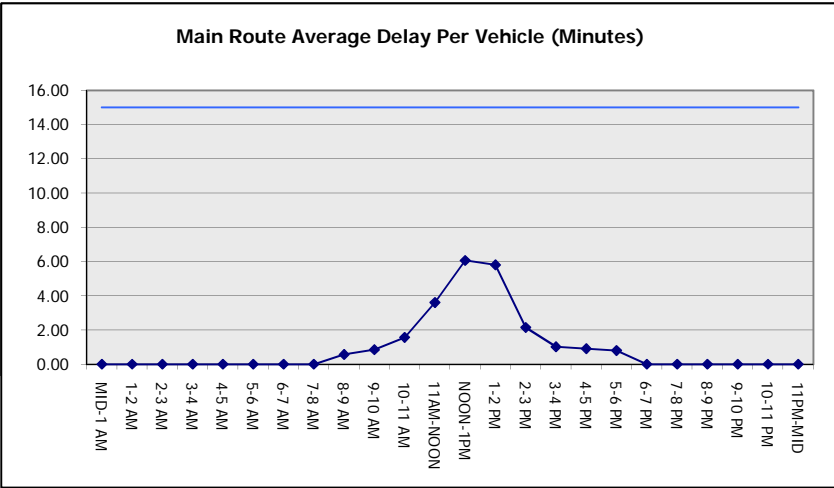
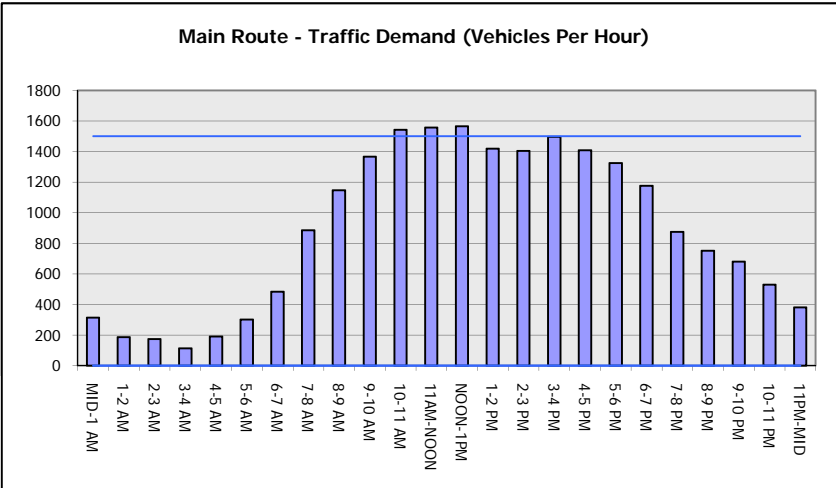
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0142
MAIN ROUTE WITH WORKS	0.0133
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$9,328
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



USH 41: STH 441 TO STH 55 (OUTAGAMIE AND BROWN COUNTIES) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	319	0.0	OFF	319	0	0.00	0	65.8	65.8	65.8
1-2 AM	182	0.0	OFF	182	0	0.00	0	66.1	66.1	66.1
2-3 AM	164	0.0	OFF	164	0	0.00	0	66.1	66.1	66.1
3-4 AM	102	0.0	OFF	102	0	0.00	0	66.2	66.2	66.2
4-5 AM	122	0.0	OFF	122	0	0.00	0	66.1	66.1	66.1
5-6 AM	270	0.0	OFF	270	0	0.00	0	65.9	65.9	65.9
6-7 AM	472	0.0	OFF	472	0	0.00	0	65.5	65.5	65.5
7-8 AM	814	0.0	OFF	814	0	0.00	0	64.9	64.9	64.9
8-9 AM	1017	0.0	1500	1017	0	0.52	0	64.5	56.9	41.6
9-10 AM	1118	0.0	1500	1118	0	0.53	0	64.3	56.6	41.3
10-11 AM	1426	0.0	1499	1426	0	0.93	0	63.7	51.6	32.4
11AM-NOON	1605	0.0	1499	1605	0	2.56	45	63.4	38.5	30.8
NOON-1PM	1640	0.0	1500	1640	0	7.35	175	63.3	22.2	30.8
1-2 PM	1577	0.0	1499	1577	0	11.48	283	63.5	16.3	30.8
2-3 PM	1625	0.0	1500	1567	59	14.95+	377	63.3	13.3	30.8
3-4 PM	1511	0.0	1500	1511	0	15.73+	396	63.6	12.8	30.8
4-5 PM	1520	0.0	1499	1500	20	15.85+	399	63.5	12.7	30.8
5-6 PM	1446	0.0	1500	1446	0	15.20+	382	63.7	13.2	30.8
6-7 PM	1178	0.0	OFF	1178	0	0.36	21	64.2	58.9	58.9
7-8 PM	955	0.0	OFF	955	0	0.00	0	64.6	64.6	64.6
8-9 PM	856	0.0	OFF	856	0	0.00	0	64.8	64.8	64.8
9-10 PM	815	0.0	OFF	815	0	0.00	0	64.9	64.9	64.9
10-11 PM	623	0.0	OFF	623	0	0.00	0	65.2	65.2	65.2
11PM-MID	505	0.0	OFF	505	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

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

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

MAIN ROUTE WITHOUT WORKS	0.0146
MAIN ROUTE WITH WORKS	0.0136
'DIVERSION'	0.0001

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$35,497
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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