

USH 41: STH 15 TO STH 125 (OUTAGAMIE COUNTY) CONTINUOUS (24 HOUR) 2 LANE 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	336	0.0	1500	336	0	0.51	0	70.2	52.6	44.2	
1-2 AM	211	0.0	1500	211	0	0.50	0	70.2	53.0	44.6	
2-3 AM	224	0.0	1500	224	0	0.50	0	70.2	53.0	44.6	
3-4 AM	125	0.0	1500	125	0	0.49	0	70.2	53.3	45.0	
4-5 AM	112	0.0	1500	112	0	0.49	0	70.2	53.3	45.0	
5-6 AM	180	0.0	1500	180	0	0.49	0	70.2	53.1	44.8	
6-7 AM	303	0.0	1500	303	0	0.51	0	70.2	52.7	44.3	
7-8 AM	447	0.0	1500	447	0	0.53	0	70.2	52.3	43.7	
8-9 AM	747	0.0	1500	747	0	0.56	0	69.8	51.3	42.6	
9-10 AM	1103	0.0	1500	1103	0	0.60	0	69.4	50.1	41.3	
10-11 AM	1417	0.0	1499	1417	0	0.99	0	69.0	42.4	32.7	
11AM-NOON	1701	0.0	1499	1701	0	3.61	82	68.6	20.9	30.8	
NOON-1PM	1976	0.0	1500	1721	254	14.71+	363	68.2	7.8	30.8	
1-2 PM	1957	0.0	1499	1499	458	16.98+	416	68.3	7.2	30.8	
2-3 PM	1965	0.0	1500	1499	466	16.98+	416	68.3	7.2	30.8	
3-4 PM	1992	0.0	1499	1500	492	16.98+	416	68.2	7.2	30.8	
4-5 PM	1987	0.0	1499	1500	487	16.98+	416	68.2	7.2	30.8	
5-6 PM	1824	0.0	1500	1500	325	16.98+	416	68.5	7.2	30.8	
6-7 PM	1444	0.0	1499	1429	15	16.32+	398	68.9	7.3	30.8	
7-8 PM	1190	0.0	1499	1190	0	8.03	212	69.2	11.9	33.0	
8-9 PM	860	0.0	1500	860	0	0.61	1	69.7	50.1	42.2	
9-10 PM	724	0.0	1500	724	0	0.56	0	69.9	51.4	42.7	
10-11 PM	488	0.0	1500	488	0	0.53	0	70.1	52.2	43.5	
11PM-MID	274	0.0	1500	274	0	0.51	0	70.2	52.8	44.4	

+ 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

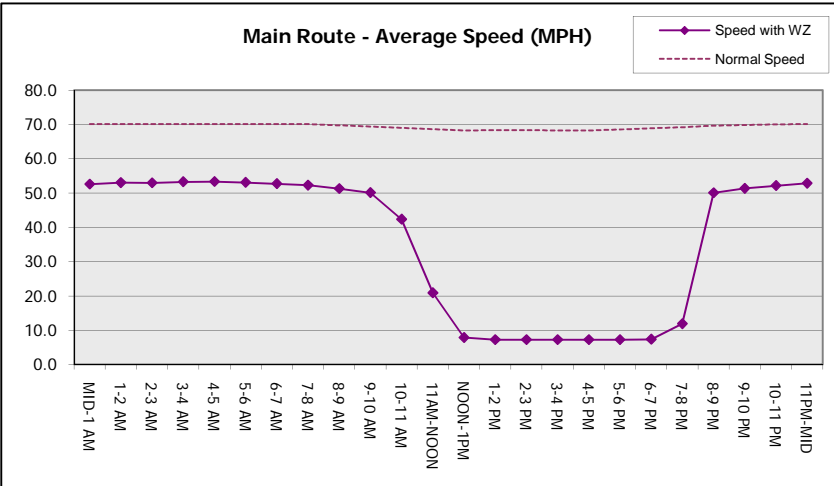
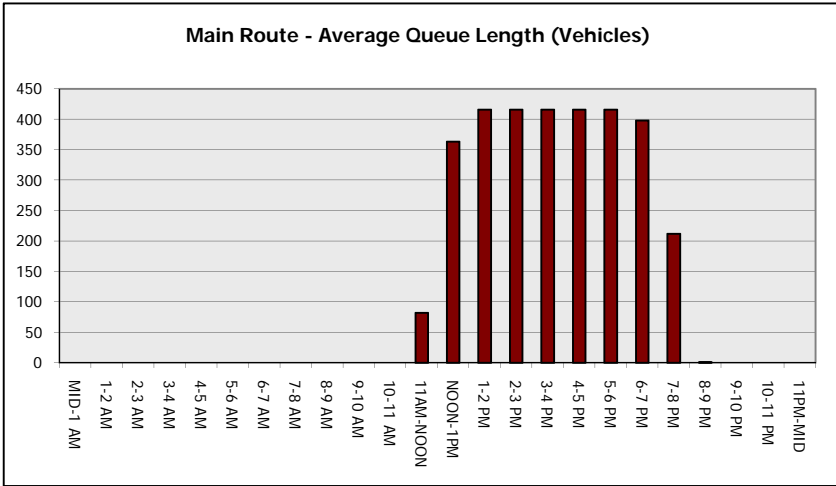
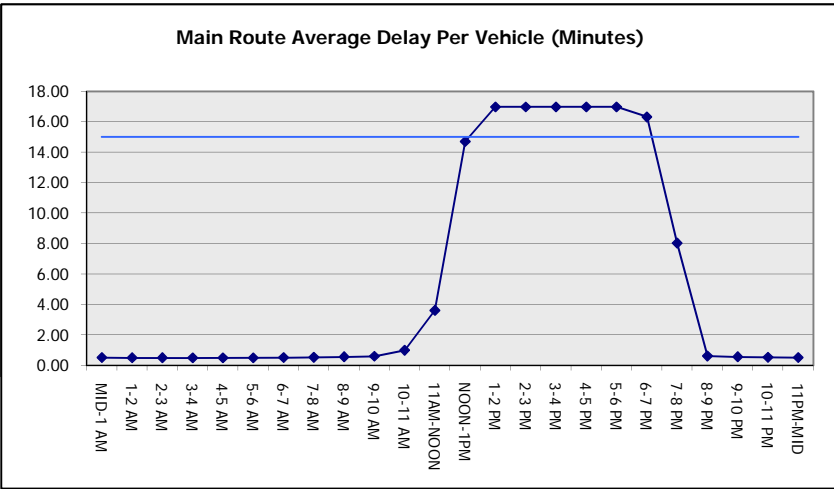
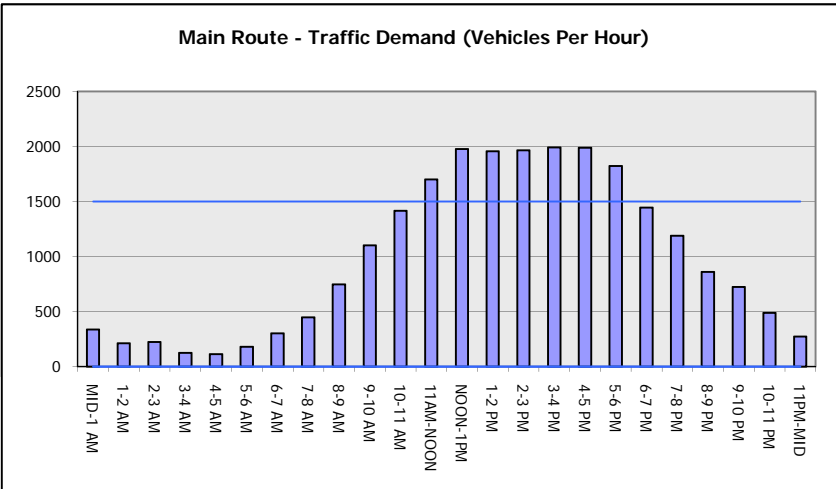
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0068
MAIN ROUTE WITH WORKS	0.0047
'DIVERSION'	0.0017
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$67,128
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



USH 41: STH 15 TO STH 125 (OUTAGAMIE COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	250	0.0	1500	250	0	0.50	0	70.2	52.9	44.5
1-2 AM	175	0.0	1500	175	0	0.49	0	70.2	53.2	44.8
2-3 AM	140	0.0	1500	140	0	0.49	0	70.2	53.2	44.9
3-4 AM	89	0.0	1500	89	0	0.48	0	70.2	53.4	45.1
4-5 AM	86	0.0	1500	86	0	0.48	0	70.2	53.1	44.8
5-6 AM	181	0.0	1500	181	0	0.49	0	70.2	52.2	44.5
6-7 AM	245	0.0	1500	245	0	0.53	0	70.2	51.6	43.7
7-8 AM	458	0.0	1500	458	0	0.55	0	69.9	49.2	40.3
8-9 AM	640	0.0	1500	640	0	0.64	0	68.9	36.2	31.5
9-10 AM	1080	0.0	1499	1080	0	1.42	11	68.6	13.3	30.8
10-11 AM	1510	0.0	1499	1510	0	6.72	165	68.5	7.4	30.8
11AM-NOON	1753	0.0	1500	1753	0	16.08+	394	68.6	7.2	30.8
NOON-1PM	1783	0.0	1500	1643	141	16.95+	415	68.7	7.2	30.8
1-2 PM	1714	0.0	1499	1491	223	16.93+	415	68.7	7.2	30.8
2-3 PM	1604	0.0	1499	1488	116	16.97+	415	68.8	7.2	30.8
3-4 PM	1619	0.0	1499	1499	120	15.90+	388	69.1	9.5	31.0
4-5 PM	1549	0.0	1499	1494	55	10.59	256	69.5	41.0	40.7
5-6 PM	1429	0.0	1499	1429	0	1.08	24	69.7	51.0	42.4
6-7 PM	1298	0.0	1499	1298	0	0.57	0	70.0	51.7	43.0
7-8 PM	1020	0.0	1500	1020	0	0.55	0	70.2	52.4	43.8
8-9 PM	818	0.0	1500	818	0	0.52	0	70.2	52.9	44.5
9-10 PM	621	0.0	1500	621	0	0.50	0			
10-11 PM	424	0.0	1500	424	0					
11PM-MID	248	0.0	1500	248	0					

+ 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	0.0059
MAIN ROUTE WITH WORKS	0.0044
'DIVERSION'	0.0004

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$54,410
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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