

USH 12/14: OLD SAUK RD TO GAMMON RD (DANE COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY WESTBOUND 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	462	0.0	1500	462	0	0.39	0	60.2	51.2	43.7
1-2 AM	274	0.0	1500	274	0	0.36	0	60.2	51.7	44.4
2-3 AM	163	0.0	1500	163	0	0.35	0	60.2	52.0	44.8
3-4 AM	144	0.0	1500	144	0	0.35	0	60.2	52.0	44.9
4-5 AM	108	0.0	1500	108	0	0.34	0	60.2	52.1	45.1
5-6 AM	101	0.0	1500	101	0	0.34	0	60.2	52.1	45.1
6-7 AM	179	0.0	1500	179	0	0.35	0	60.2	51.9	44.8
7-8 AM	378	0.0	1500	378	0	0.38	0	60.2	51.4	44.0
8-9 AM	741	0.0	OFF	741	0	0.00	0	60.2	60.2	60.2
9-10 AM	1085	0.0	OFF	1085	0	0.00	0	60.2	60.2	60.2
10-11 AM	1362	0.0	OFF	1362	0	0.00	0	60.2	60.2	60.2
11AM-NOON	1656	0.0	OFF	1656	0	0.00	0	60.2	60.2	60.2
NOON-1PM	1789	0.0	OFF	1789	0	0.00	0	60.2	60.2	60.2
1-2 PM	1786	0.0	OFF	1786	0	0.00	0	60.2	60.2	60.2
2-3 PM	1715	0.0	OFF	1715	0	0.00	0	60.2	60.2	60.2
3-4 PM	1637	0.0	OFF	1637	0	0.00	0	60.2	60.2	60.2
4-5 PM	1701	0.0	OFF	1701	0	0.00	0	60.2	60.2	60.2
5-6 PM	1725	0.0	OFF	1725	0	0.00	0	60.2	60.2	60.2
6-7 PM	1530	0.0	1499	1530	0	1.92	26	60.2	32.0	30.8
7-8 PM	1361	0.0	1500	1361	0	0.97	5	60.2	41.7	33.7
8-9 PM	1051	0.0	1500	1051	0	0.46	0	60.2	49.8	41.5
9-10 PM	920	0.0	1500	920	0	0.44	0	60.2	50.1	42.0
10-11 PM	771	0.0	1500	771	0	0.42	0	60.2	50.5	42.5
11PM-MID	581	0.0	1500	581	0	0.40	0	60.2	50.9	43.2

"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

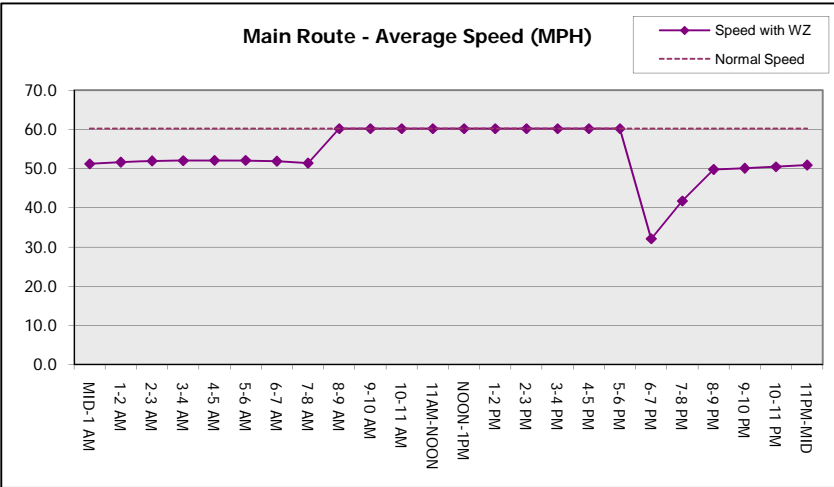
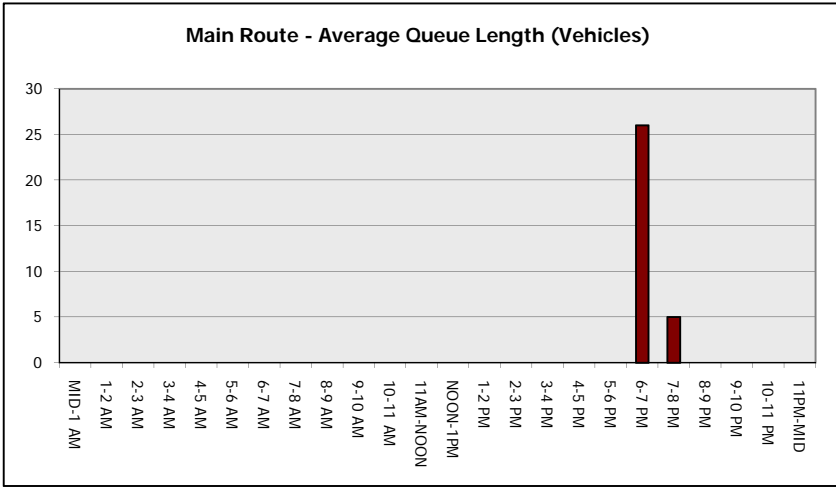
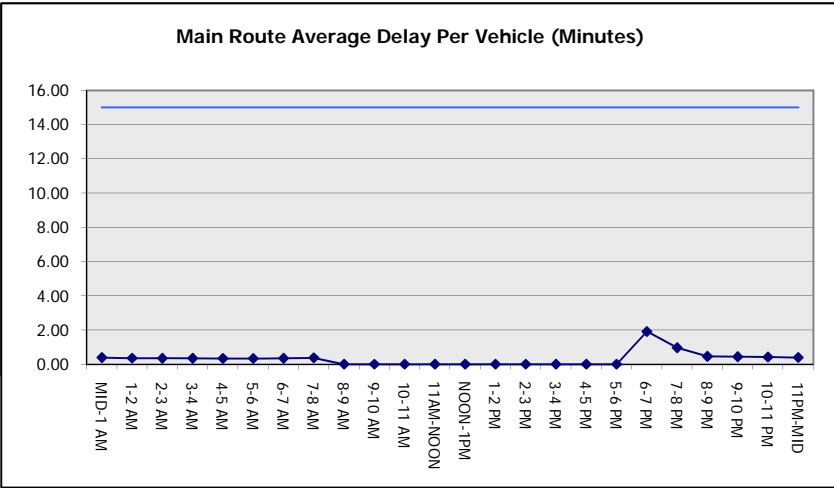
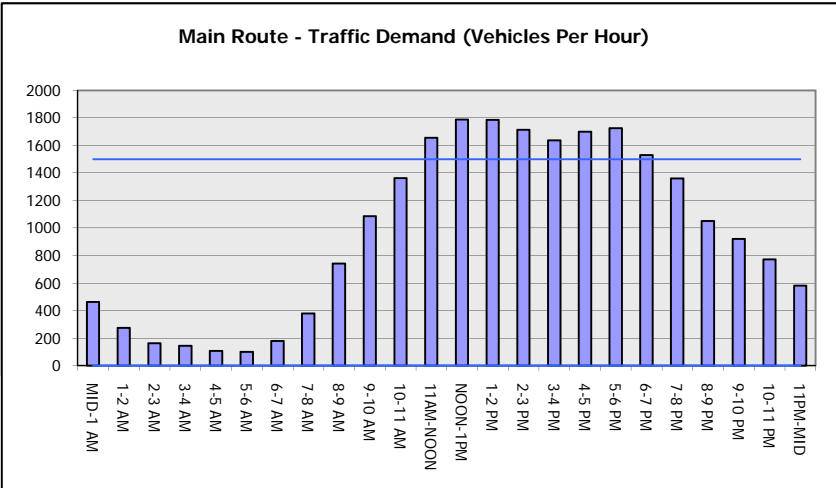
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0081
MAIN ROUTE WITH WORKS	0.0076
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,631
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



USH 12/14: OLD SAUK RD TO GAMMON RD (DANE COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY EASTBOUND 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	585	0.0	1500	585	0	0.40	0	60.2	50.9	43.2
1-2 AM	304	0.0	1500	304	0	0.37	0	60.2	51.6	44.3
2-3 AM	183	0.0	1500	183	0	0.35	0	60.2	51.9	44.8
3-4 AM	115	0.0	1500	115	0	0.34	0	60.2	52.1	45.0
4-5 AM	75	0.0	1500	75	0	0.34	0	60.2	52.2	45.2
5-6 AM	101	0.0	1500	101	0	0.34	0	60.2	52.1	45.1
6-7 AM	162	0.0	1500	162	0	0.35	0	60.2	52.0	44.8
7-8 AM	383	0.0	1500	383	0	0.38	0	60.2	51.4	44.0
8-9 AM	711	0.0	OFF	711	0	0.00	0	60.2	60.2	60.2
9-10 AM	1037	0.0	OFF	1037	0	0.00	0	60.2	60.2	60.2
10-11 AM	1286	0.0	OFF	1286	0	0.00	0	60.2	60.2	60.2
11AM-NOON	1524	0.0	OFF	1524	0	0.00	0	60.2	60.2	60.2
NOON-1PM	1691	0.0	OFF	1691	0	0.00	0	60.2	60.2	60.2
1-2 PM	1761	0.0	OFF	1761	0	0.00	0	60.2	60.2	60.2
2-3 PM	1749	0.0	OFF	1749	0	0.00	0	60.2	60.2	60.2
3-4 PM	1733	0.0	OFF	1733	0	0.00	0	60.2	60.2	60.2
4-5 PM	1639	0.0	OFF	1639	0	0.00	0	60.2	60.2	60.2
5-6 PM	1601	0.0	OFF	1601	0	0.00	0	60.2	60.2	60.2
6-7 PM	1500	0.0	1499	1500	0	1.28	8	60.2	38.0	31.0
7-8 PM	1320	0.0	1500	1320	0	0.73	0	60.2	45.1	35.0
8-9 PM	1124	0.0	1500	1124	0	0.47	0	60.2	49.5	41.0
9-10 PM	997	0.0	1500	997	0	0.45	0	60.2	49.9	41.7
10-11 PM	888	0.0	1500	888	0	0.44	0	60.2	50.2	42.0
11PM-MID	701	0.0	1500	701	0	0.41	0	60.2	50.6	42.7

"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	0.0081
MAIN ROUTE WITH WORKS	0.0076
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,345
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

