

USH 12/14: OLD SAUK RD TO GAMMON RD (DANE COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	469	0.0	OFF	469	0	0.00	0	60.2	60.2	60.2	
1-2 AM	282	0.0	OFF	282	0	0.00	0	60.2	60.2	60.2	
2-3 AM	188	0.0	OFF	188	0	0.00	0	60.2	60.2	60.2	
3-4 AM	160	0.0	OFF	160	0	0.00	0	60.2	60.2	60.2	
4-5 AM	111	0.0	OFF	111	0	0.00	0	60.2	60.2	60.2	
5-6 AM	101	0.0	OFF	101	0	0.00	0	60.2	60.2	60.2	
6-7 AM	183	0.0	OFF	183	0	0.00	0	60.2	60.2	60.2	
7-8 AM	421	0.0	OFF	421	0	0.00	0	60.2	60.2	60.2	
8-9 AM	704	0.0	1500	704	0	0.42	0	60.2	50.6	42.7	
9-10 AM	1114	0.0	1500	1114	0	0.47	0	60.2	49.7	41.3	
10-11 AM	1348	0.0	1499	1348	0	0.77	0	60.2	44.6	34.3	
11AM-NOON	1684	0.0	1499	1684	0	3.14	72	60.2	24.7	30.8	
NOON-1PM	1968	0.0	1500	1718	250	13.88+	358	60.2	9.8	30.8	
1-2 PM	1972	0.0	1500	1503	469	16.66+	424	60.2	8.9	30.8	
2-3 PM	1986	0.0	1500	1503	483	16.66+	425	60.2	8.9	30.8	
3-4 PM	1861	0.0	1500	1502	359	16.65+	424	60.2	8.9	30.8	
4-5 PM	1905	0.0	1500	1502	403	16.65+	424	60.2	8.9	30.8	
5-6 PM	1890	0.0	1500	1502	388	16.65+	424	60.2	8.9	30.8	
6-7 PM	1639	0.0	OFF	1639	0	0.55	36	60.2	48.2	48.2	
7-8 PM	1426	0.0	OFF	1426	0	0.00	0	60.2	60.2	60.2	
8-9 PM	1083	0.0	OFF	1083	0	0.00	0	60.2	60.2	60.2	
9-10 PM	955	0.0	OFF	955	0	0.00	0	60.2	60.2	60.2	
10-11 PM	807	0.0	OFF	807	0	0.00	0	60.2	60.2	60.2	
11PM-MID	641	0.0	OFF	641	0	0.00	0	60.2	60.2	60.2	

"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 (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

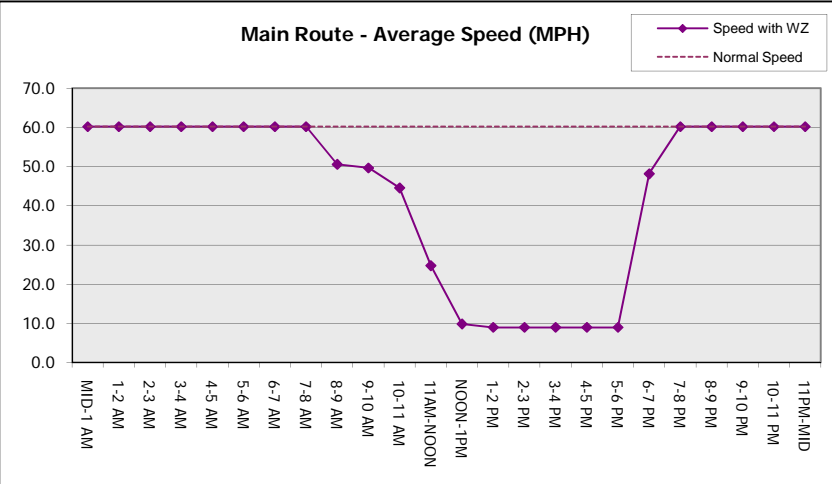
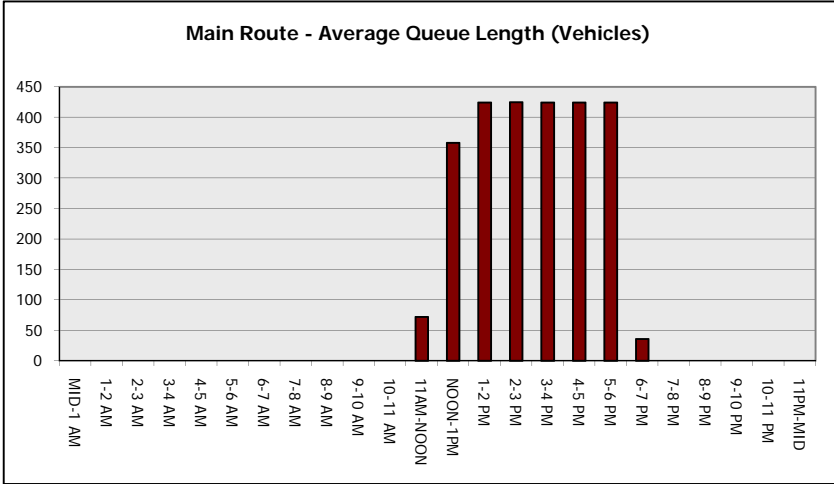
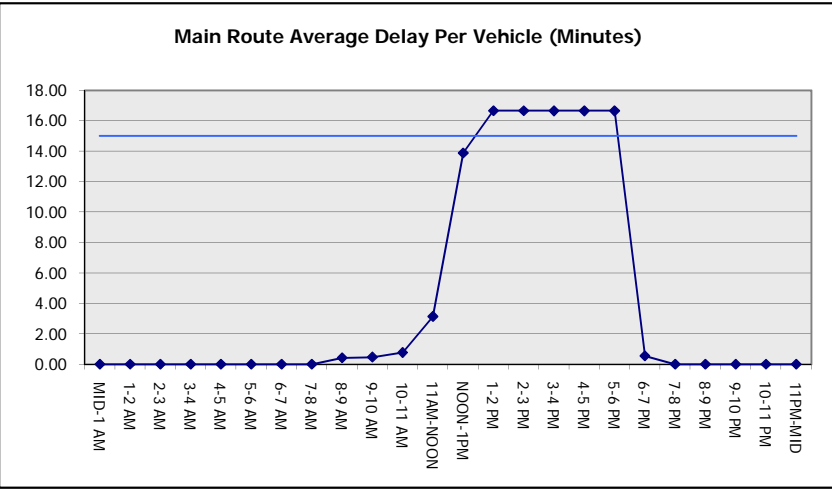
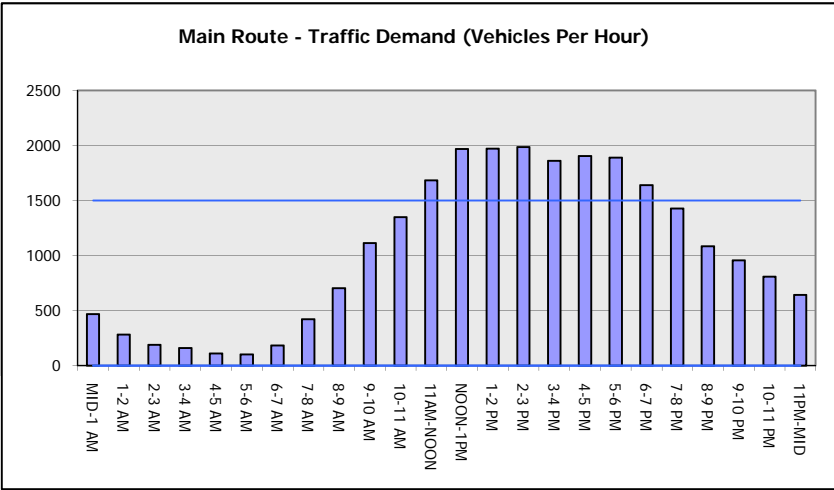
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0087
MAIN ROUTE WITH WORKS	0.0070
'DIVERSION'	0.0019
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$52,717
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



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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	625	0.0	OFF	625	0	0.00	0	60.2	60.2	60.2
1-2 AM	339	0.0	OFF	339	0	0.00	0	60.2	60.2	60.2
2-3 AM	190	0.0	OFF	190	0	0.00	0	60.2	60.2	60.2
3-4 AM	154	0.0	OFF	154	0	0.00	0	60.2	60.2	60.2
4-5 AM	99	0.0	OFF	99	0	0.00	0	60.2	60.2	60.2
5-6 AM	101	0.0	OFF	101	0	0.00	0	60.2	60.2	60.2
6-7 AM	167	0.0	OFF	167	0	0.00	0	60.2	60.2	60.2
7-8 AM	404	0.0	OFF	404	0	0.00	0	60.2	60.2	60.2
8-9 AM	709	0.0	1500	709	0	0.42	0	60.2	50.6	42.7
9-10 AM	954	0.0	1500	954	0	0.45	0	60.2	50.1	41.9
10-11 AM	1309	0.0	1499	1309	0	0.72	0	60.2	45.4	35.3
11AM-NOON	1521	0.0	1499	1521	0	1.25	9	60.2	38.3	31.1
NOON-1PM	1721	0.0	1500	1721	0	5.50	137	60.2	17.3	30.8
1-2 PM	1827	0.0	1500	1657	171	14.86+	380	60.2	9.5	30.8
2-3 PM	1846	0.0	1500	1502	344	16.64+	424	60.2	8.9	30.8
3-4 PM	1821	0.0	1500	1501	320	16.64+	424	60.2	8.9	30.8
4-5 PM	1759	0.0	1500	1501	258	16.64+	424	60.2	8.9	30.8
5-6 PM	1711	0.0	1500	1501	210	16.63+	424	60.2	8.9	30.8
6-7 PM	1579	0.0	OFF	1579	0	0.54	36	60.2	48.3	48.3
7-8 PM	1397	0.0	OFF	1397	0	0.00	0	60.2	60.2	60.2
8-9 PM	1151	0.0	OFF	1151	0	0.00	0	60.2	60.2	60.2
9-10 PM	1111	0.0	OFF	1111	0	0.00	0	60.2	60.2	60.2
10-11 PM	979	0.0	OFF	979	0	0.00	0	60.2	60.2	60.2
11PM-MID	692	0.0	OFF	692	0	0.00	0	60.2	60.2	60.2

"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 (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	0.0085
MAIN ROUTE WITH WORKS	0.0071
'DIVERSION'	0.0011

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$43,091
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

