

USH 12/14: OLD SAUK RD TO GAMMON RD (DANE COUNTY) OFF-PEAK DAY 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	OFF	462	0	0.00	0	60.2	60.2	60.2	
1-2 AM	274	0.0	OFF	274	0	0.00	0	60.2	60.2	60.2	
2-3 AM	163	0.0	OFF	163	0	0.00	0	60.2	60.2	60.2	
3-4 AM	144	0.0	OFF	144	0	0.00	0	60.2	60.2	60.2	
4-5 AM	108	0.0	OFF	108	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	179	0.0	OFF	179	0	0.00	0	60.2	60.2	60.2	
7-8 AM	378	0.0	OFF	378	0	0.00	0	60.2	60.2	60.2	
8-9 AM	741	0.0	1500	741	0	0.42	0	60.2	50.5	42.6	
9-10 AM	1085	0.0	1500	1085	0	0.46	0	60.2	49.7	41.4	
10-11 AM	1362	0.0	1499	1362	0	0.79	0	60.2	44.3	34.0	
11AM-NOON	1656	0.0	1499	1656	0	2.98	64	60.2	25.5	30.8	
NOON-1PM	1789	0.0	1500	1789	0	11.52+	297	60.2	10.8	30.8	
1-2 PM	1786	0.0	1499	1497	289	16.64+	424	60.2	8.9	30.8	
2-3 PM	1715	0.0	1499	1497	218	16.63+	424	60.2	8.9	30.8	
3-4 PM	1637	0.0	1499	1497	140	16.62+	424	60.2	9.0	30.8	
4-5 PM	1701	0.0	1499	1498	203	16.63+	424	60.2	9.0	30.8	
5-6 PM	1725	0.0	1499	1498	227	16.63+	424	60.2	8.9	30.8	
6-7 PM	1530	0.0	OFF	1530	0	0.57	37	60.2	47.8	47.8	
7-8 PM	1361	0.0	OFF	1361	0	0.00	0	60.2	60.2	60.2	
8-9 PM	1051	0.0	OFF	1051	0	0.00	0	60.2	60.2	60.2	
9-10 PM	920	0.0	OFF	920	0	0.00	0	60.2	60.2	60.2	
10-11 PM	771	0.0	OFF	771	0	0.00	0	60.2	60.2	60.2	
11PM-MID	581	0.0	OFF	581	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

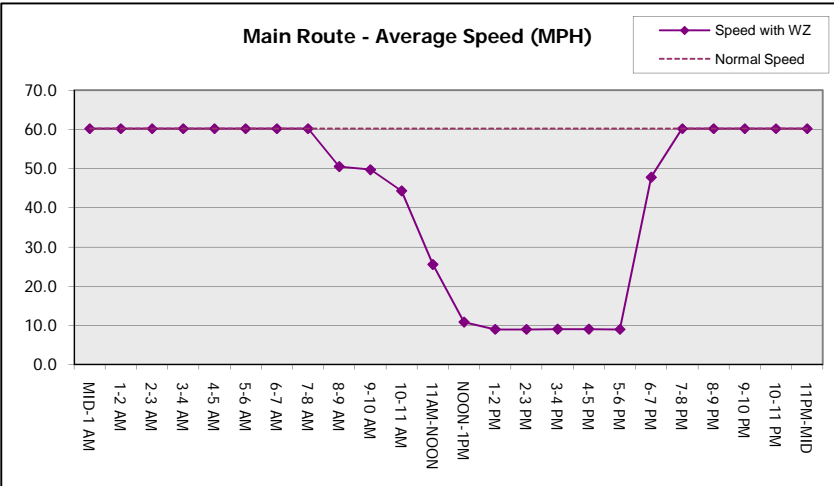
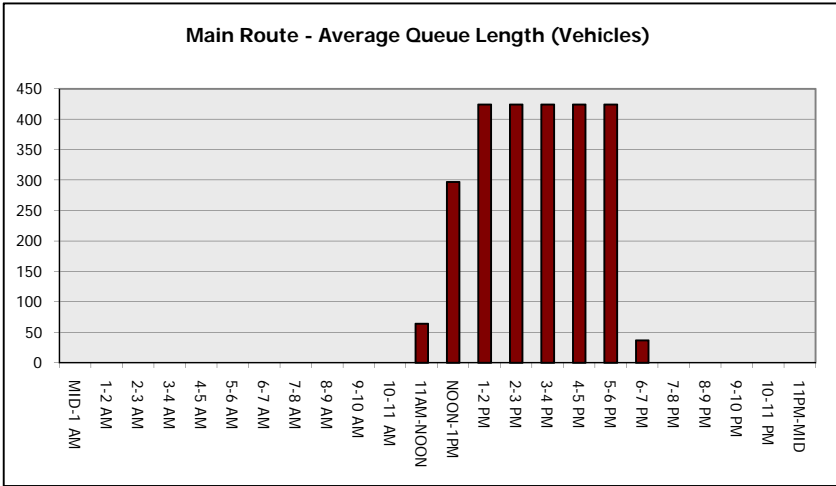
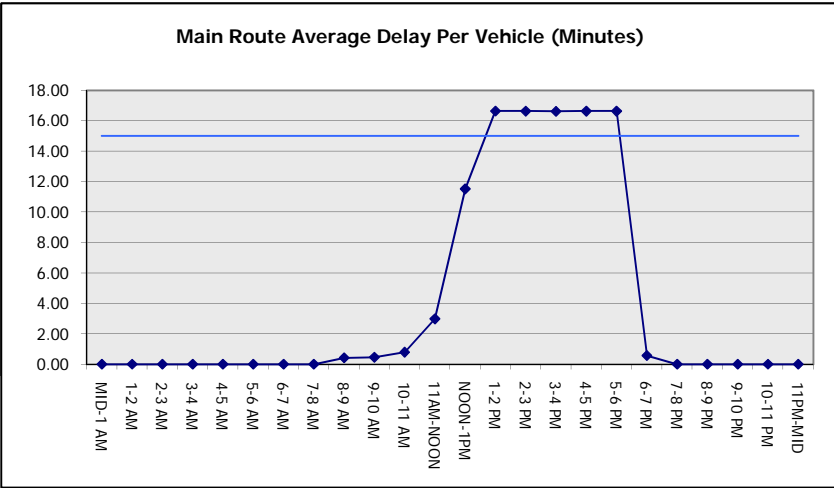
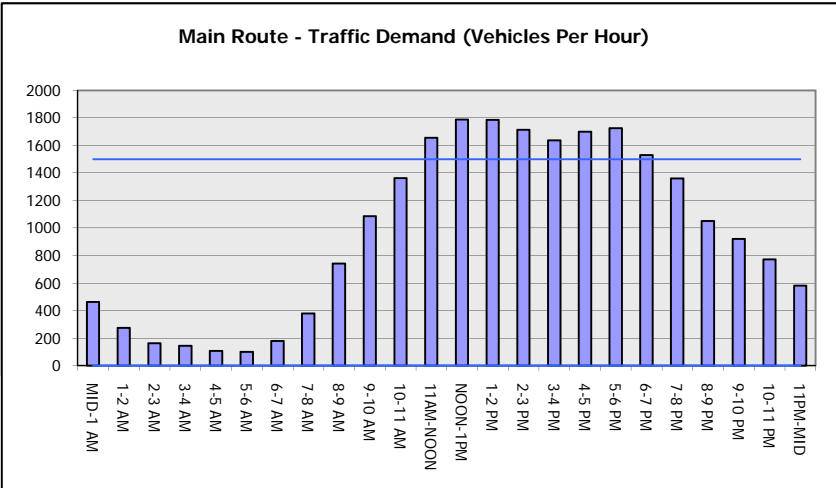
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0081
MAIN ROUTE WITH WORKS	0.0068
'DIVERSION'	0.0009
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$45,865
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



USH 12/14: OLD SAUK RD TO GAMMON RD (DANE COUNTY) OFF-PEAK DAY 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	OFF	585	0	0.00	0	60.2	60.2	60.2
1-2 AM	304	0.0	OFF	304	0	0.00	0	60.2	60.2	60.2
2-3 AM	183	0.0	OFF	183	0	0.00	0	60.2	60.2	60.2
3-4 AM	115	0.0	OFF	115	0	0.00	0	60.2	60.2	60.2
4-5 AM	75	0.0	OFF	75	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	162	0.0	OFF	162	0	0.00	0	60.2	60.2	60.2
7-8 AM	383	0.0	OFF	383	0	0.00	0	60.2	60.2	60.2
8-9 AM	711	0.0	1500	711	0	0.42	0	60.2	50.6	42.7
9-10 AM	1037	0.0	1500	1037	0	0.46	0	60.2	49.9	41.5
10-11 AM	1286	0.0	1499	1286	0	0.69	0	60.2	45.9	36.0
11AM-NOON	1524	0.0	1499	1524	0	1.26	9	60.2	38.3	31.1
NOON-1PM	1691	0.0	1500	1691	0	5.16	125	60.2	17.9	30.8
1-2 PM	1761	0.0	1500	1701	61	13.66+	349	60.2	9.9	30.8
2-3 PM	1749	0.0	1500	1499	250	16.64+	424	60.2	8.9	30.8
3-4 PM	1733	0.0	1500	1499	233	16.63+	424	60.2	8.9	30.8
4-5 PM	1639	0.0	1500	1499	139	16.63+	424	60.2	9.0	30.8
5-6 PM	1601	0.0	1500	1499	101	16.62+	424	60.2	9.0	30.8
6-7 PM	1500	0.0	OFF	1500	0	0.55	36	60.2	48.2	48.2
7-8 PM	1320	0.0	OFF	1320	0	0.00	0	60.2	60.2	60.2
8-9 PM	1124	0.0	OFF	1124	0	0.00	0	60.2	60.2	60.2
9-10 PM	997	0.0	OFF	997	0	0.00	0	60.2	60.2	60.2
10-11 PM	888	0.0	OFF	888	0	0.00	0	60.2	60.2	60.2
11PM-MID	701	0.0	OFF	701	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	0.0081
MAIN ROUTE WITH WORKS	0.0069
'DIVERSION'	0.0006

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$40,023
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

