

<b>USH 12/14: OLD SAUK RD TO GAMMON RD (DANE COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                  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	241	0.0	OFF	241	0	0.00	0	60.2	60.2	60.2	
1-2 AM	138	0.0	OFF	138	0	0.00	0	60.2	60.2	60.2	
2-3 AM	80	0.0	OFF	80	0	0.00	0	60.2	60.2	60.2	
3-4 AM	65	0.0	OFF	65	0	0.00	0	60.2	60.2	60.2	
4-5 AM	66	0.0	OFF	66	0	0.00	0	60.2	60.2	60.2	
5-6 AM	163	0.0	OFF	163	0	0.00	0	60.2	60.2	60.2	
6-7 AM	478	0.0	OFF	478	0	0.00	0	60.2	60.2	60.2	
7-8 AM	1516	0.0	OFF	1516	0	0.00	0	60.2	60.2	60.2	
8-9 AM	2410	0.0	OFF	2410	0	0.00	0	60.2	60.2	60.2	
9-10 AM	1966	0.0	OFF	1966	0	0.00	0	60.2	60.2	60.2	
10-11 AM	1503	0.0	1499	1503	0	1.56	16	60.2	35.1	31.1	
11AM-NOON	1487	0.0	1500	1487	0	0.99	1	60.2	41.5	31.1	
NOON-1PM	1671	0.0	1500	1671	0	3.41	77	60.2	23.5	30.8	
1-2 PM	1852	0.0	1500	1748	104	12.87+	332	60.2	10.2	30.8	
2-3 PM	1790	0.0	1500	1500	290	16.64+	424	60.2	8.9	30.8	
3-4 PM	1829	0.0	OFF	1829	0	0.62	41	60.2	47.0	47.0	
4-5 PM	2022	0.0	OFF	2022	0	0.00	0	60.2	60.2	60.2	
5-6 PM	2422	0.0	OFF	2422	0	0.00	0	60.2	60.2	60.2	
6-7 PM	2397	0.0	OFF	2397	0	0.00	0	60.2	60.2	60.2	
7-8 PM	1715	0.0	OFF	1715	0	0.00	0	60.2	60.2	60.2	
8-9 PM	1246	0.0	OFF	1246	0	0.00	0	60.2	60.2	60.2	
9-10 PM	1015	0.0	OFF	1015	0	0.00	0	60.2	60.2	60.2	
10-11 PM	738	0.0	OFF	738	0	0.00	0	60.2	60.2	60.2	
11PM-MID	472	0.0	OFF	472	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

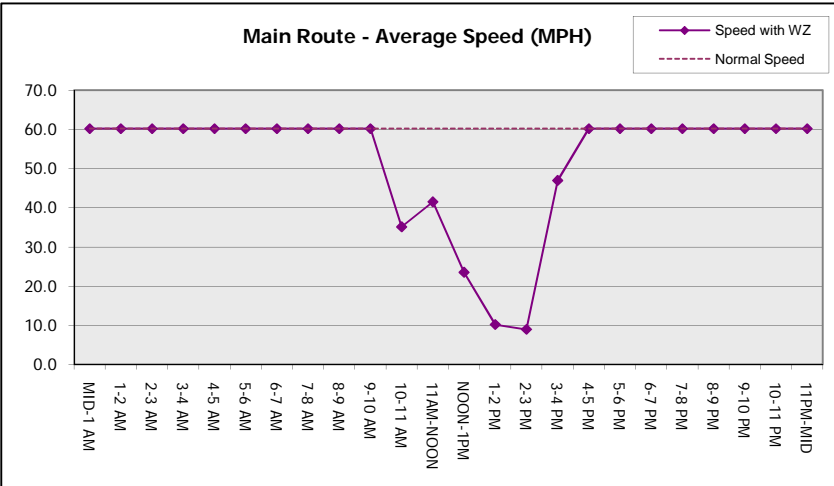
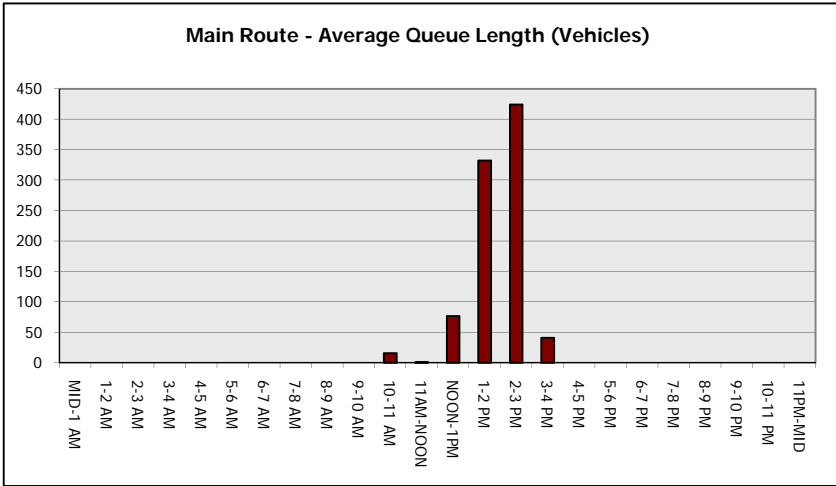
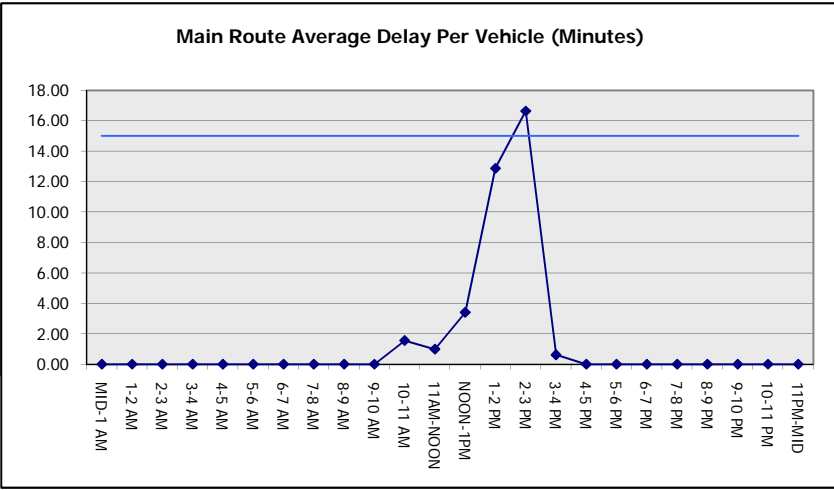
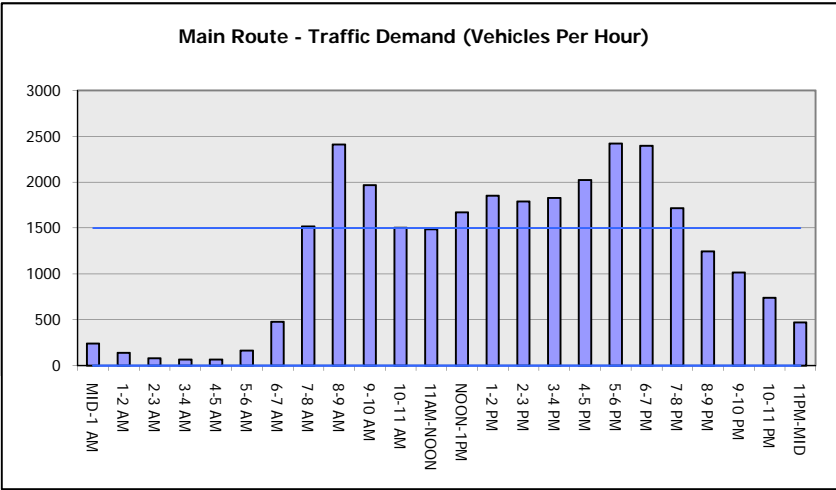
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0103
MAIN ROUTE WITH WORKS	0.0096
'DIVERSION'	0.0003
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$13,140
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding User-Specified Maximum

**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

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR WESTBOUND DIRECTION**



<b>USH 12/14: OLD SAUK RD TO GAMMON RD (DANE COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	340	0.0	OFF	340	0	0.00	0	60.2	60.2	60.2
1-2 AM	175	0.0	OFF	175	0	0.00	0	60.2	60.2	60.2
2-3 AM	97	0.0	OFF	97	0	0.00	0	60.2	60.2	60.2
3-4 AM	78	0.0	OFF	78	0	0.00	0	60.2	60.2	60.2
4-5 AM	78	0.0	OFF	78	0	0.00	0	60.2	60.2	60.2
5-6 AM	140	0.0	OFF	140	0	0.00	0	60.2	60.2	60.2
6-7 AM	503	0.0	OFF	503	0	0.00	0	60.2	60.2	60.2
7-8 AM	1367	0.0	OFF	1367	0	0.00	0	60.2	60.2	60.2
8-9 AM	2235	0.0	OFF	2235	0	0.00	0	60.2	60.2	60.2
9-10 AM	1821	0.0	OFF	1821	0	0.00	0	60.2	60.2	60.2
10-11 AM	1419	0.0	1500	1419	0	0.86	0	60.2	43.2	32.5
11AM-NOON	1448	0.0	1499	1448	0	0.90	0	60.2	42.7	31.9
NOON-1PM	1748	0.0	1499	1748	0	4.34	111	60.2	20.2	30.8
1-2 PM	1849	0.0	1500	1671	178	14.81+	378	60.2	9.5	30.8
2-3 PM	1818	0.0	1500	1501	317	16.64+	424	60.2	8.9	30.8
3-4 PM	1961	0.0	OFF	1961	0	0.65	43	60.2	46.5	46.5
4-5 PM	2266	0.0	OFF	2266	0	0.00	0	60.2	60.2	60.2
5-6 PM	2566	0.0	OFF	2566	0	0.00	0	60.2	60.2	60.2
6-7 PM	2352	0.0	OFF	2352	0	0.00	0	60.2	60.2	60.2
7-8 PM	1656	0.0	OFF	1656	0	0.00	0	60.2	60.2	60.2
8-9 PM	1281	0.0	OFF	1281	0	0.00	0	60.2	60.2	60.2
9-10 PM	1138	0.0	OFF	1138	0	0.00	0	60.2	60.2	60.2
10-11 PM	885	0.0	OFF	885	0	0.00	0	60.2	60.2	60.2
11PM-MID	560	0.0	OFF	560	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	0.0104
MAIN ROUTE WITH WORKS	0.0097
'DIVERSION'	0.0004

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$14,111
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding User-Specified Maximum

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**MAY**  
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Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR EASTBOUND DIRECTION**

