

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

FRIDAY 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	321	0.0	OFF	321	0	0.00	0	60.2	60.2	60.2	
1-2 AM	171	0.0	OFF	171	0	0.00	0	60.2	60.2	60.2	
2-3 AM	105	0.0	OFF	105	0	0.00	0	60.2	60.2	60.2	
3-4 AM	92	0.0	OFF	92	0	0.00	0	60.2	60.2	60.2	
4-5 AM	76	0.0	OFF	76	0	0.00	0	60.2	60.2	60.2	
5-6 AM	171	0.0	OFF	171	0	0.00	0	60.2	60.2	60.2	
6-7 AM	487	0.0	OFF	487	0	0.00	0	60.2	60.2	60.2	
7-8 AM	1583	0.0	OFF	1583	0	0.00	0	60.2	60.2	60.2	
8-9 AM	2664	0.0	OFF	2664	0	0.00	0	59.2	59.2	59.2	
9-10 AM	2131	0.0	OFF	2131	0	0.00	0	60.2	60.2	60.2	
10-11 AM	1731	0.0	1499	1731	0	5.13	128	60.2	18.1	30.8	
11AM-NOON	1709	0.0	1500	1709	0	12.95+	329	60.2	10.1	30.8	
NOON-1PM	1902	0.0	1499	1498	405	16.65+	424	60.2	8.9	30.8	
1-2 PM	2198	0.0	1499	1498	700	16.68+	425	60.2	8.9	30.8	
2-3 PM	2034	0.0	1499	1498	536	16.66+	425	60.2	8.9	30.8	
3-4 PM	2157	0.0	OFF	2157	0	0.78	51	60.2	44.5	44.5	
4-5 PM	2348	0.0	OFF	2348	0	0.00	0	60.2	60.2	60.2	
5-6 PM	2610	0.0	OFF	2610	0	0.00	0	59.7	59.7	59.7	
6-7 PM	2390	0.0	OFF	2390	0	0.00	0	60.2	60.2	60.2	
7-8 PM	1872	0.0	OFF	1872	0	0.00	0	60.2	60.2	60.2	
8-9 PM	1460	0.0	OFF	1460	0	0.00	0	60.2	60.2	60.2	
9-10 PM	1158	0.0	OFF	1158	0	0.00	0	60.2	60.2	60.2	
10-11 PM	897	0.0	OFF	897	0	0.00	0	60.2	60.2	60.2	
11PM-MID	658	0.0	OFF	658	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

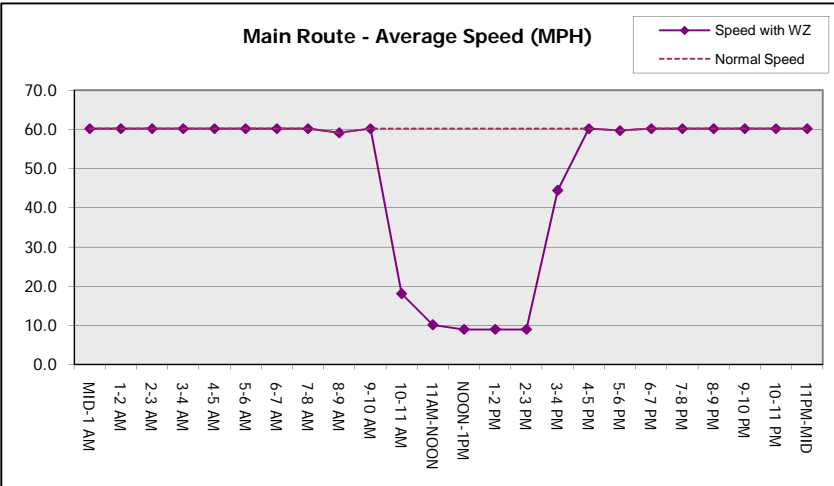
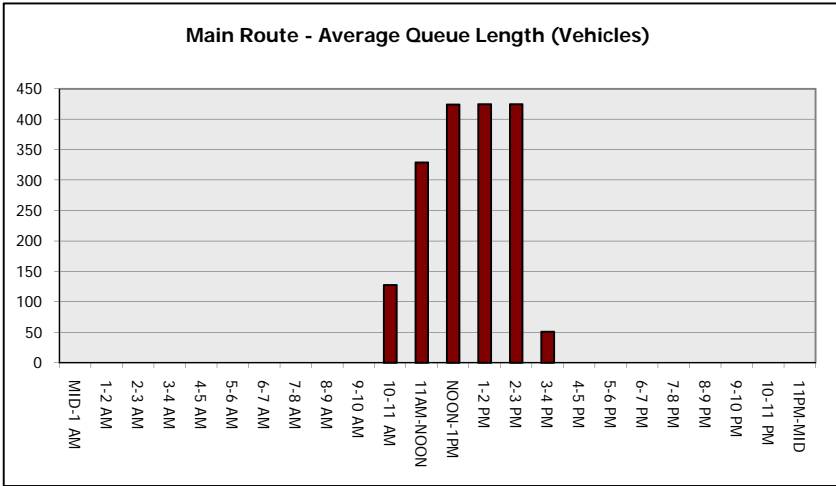
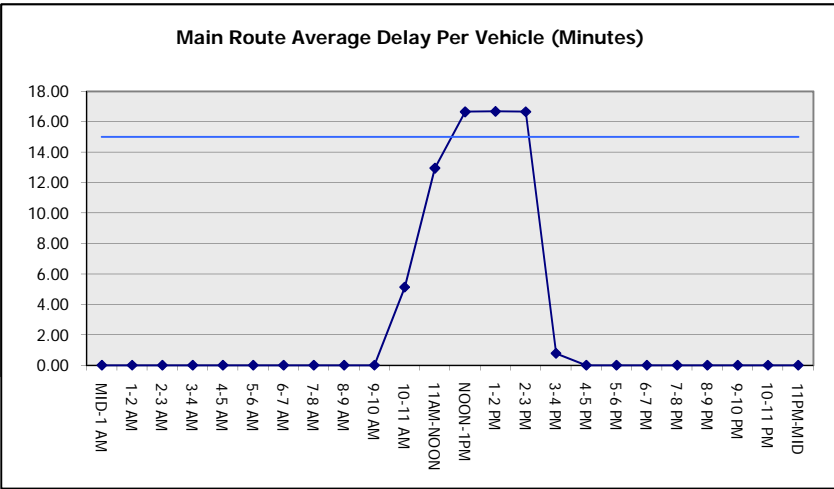
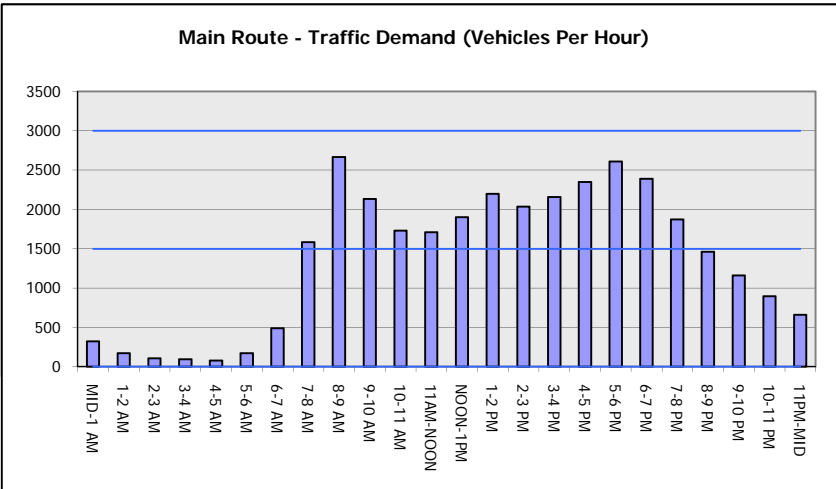
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0115
MAIN ROUTE WITH WORKS	0.0104
'DIVERSION'	0.0013
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$29,324
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY 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

FRIDAY 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	448	0.0	OFF	448	0	0.00	0	60.2	60.2	60.2
1-2 AM	231	0.0	OFF	231	0	0.00	0	60.2	60.2	60.2
2-3 AM	135	0.0	OFF	135	0	0.00	0	60.2	60.2	60.2
3-4 AM	128	0.0	OFF	128	0	0.00	0	60.2	60.2	60.2
4-5 AM	98	0.0	OFF	98	0	0.00	0	60.2	60.2	60.2
5-6 AM	154	0.0	OFF	154	0	0.00	0	60.2	60.2	60.2
6-7 AM	492	0.0	OFF	492	0	0.00	0	60.2	60.2	60.2
7-8 AM	1364	0.0	OFF	1364	0	0.00	0	60.2	60.2	60.2
8-9 AM	2238	0.0	OFF	2238	0	0.00	0	60.2	60.2	60.2
9-10 AM	1910	0.0	OFF	1910	0	0.00	0	60.2	60.2	60.2
10-11 AM	1551	0.0	1499	1551	0	2.21	35	60.2	29.9	30.8
11AM-NOON	1612	0.0	1500	1612	0	4.31	95	60.2	20.3	30.8
NOON-1PM	1944	0.0	1500	1714	230	13.08+	340	60.2	10.2	30.8
1-2 PM	2097	0.0	1500	1507	590	16.67+	425	60.2	8.9	30.8
2-3 PM	2072	0.0	1500	1506	566	16.66+	425	60.2	8.9	30.8
3-4 PM	2139	0.0	OFF	2139	0	0.61	40	60.2	47.1	47.1
4-5 PM	2356	0.0	OFF	2356	0	0.00	0	60.2	60.2	60.2
5-6 PM	2378	0.0	OFF	2378	0	0.00	0	60.2	60.2	60.2
6-7 PM	2079	0.0	OFF	2079	0	0.00	0	60.2	60.2	60.2
7-8 PM	1673	0.0	OFF	1673	0	0.00	0	60.2	60.2	60.2
8-9 PM	1376	0.0	OFF	1376	0	0.00	0	60.2	60.2	60.2
9-10 PM	1259	0.0	OFF	1259	0	0.00	0	60.2	60.2	60.2
10-11 PM	1054	0.0	OFF	1054	0	0.00	0	60.2	60.2	60.2
11PM-MID	763	0.0	OFF	763	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	0.0110
MAIN ROUTE WITH WORKS	0.0100
'DIVERSION'	0.0011

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$23,167
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

