

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

SUNDAY 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	429	0.0	OFF	429	0	0.00	0	60.2	60.2	60.2	
1-2 AM	254	0.0	OFF	254	0	0.00	0	60.2	60.2	60.2	
2-3 AM	168	0.0	OFF	168	0	0.00	0	60.2	60.2	60.2	
3-4 AM	161	0.0	OFF	161	0	0.00	0	60.2	60.2	60.2	
4-5 AM	89	0.0	OFF	89	0	0.00	0	60.2	60.2	60.2	
5-6 AM	73	0.0	OFF	73	0	0.00	0	60.2	60.2	60.2	
6-7 AM	109	0.0	OFF	109	0	0.00	0	60.2	60.2	60.2	
7-8 AM	197	0.0	OFF	197	0	0.00	0	60.2	60.2	60.2	
8-9 AM	411	0.0	OFF	411	0	0.00	0	60.2	60.2	60.2	
9-10 AM	645	0.0	1500	645	0	0.41	0	60.2	50.8	43.0	
10-11 AM	912	0.0	1500	912	0	0.44	0	60.2	50.1	42.0	
11AM-NOON	1316	0.0	1499	1316	0	0.72	0	60.2	45.3	35.2	
NOON-1PM	1475	0.0	1499	1475	0	1.02	2	60.2	41.1	31.5	
1-2 PM	1687	0.0	1500	1687	0	4.33	103	60.2	20.2	30.8	
2-3 PM	1514	0.0	1499	1514	0	8.72	209	60.2	12.4	30.8	
3-4 PM	1537	0.0	1500	1537	0	9.34	227	60.2	11.9	30.8	
4-5 PM	1639	0.0	1500	1639	0	12.72	320	60.2	10.2	30.8	
5-6 PM	1486	0.0	1499	1486	0	15.41+	391	60.2	9.3	30.8	
6-7 PM	1316	0.0	1499	1316	0	11.62	293	60.2	10.7	30.8	
7-8 PM	1116	0.0	OFF	1116	0	0.09	6	60.2	57.8	57.8	
8-9 PM	859	0.0	OFF	859	0	0.00	0	60.2	60.2	60.2	
9-10 PM	711	0.0	OFF	711	0	0.00	0	60.2	60.2	60.2	
10-11 PM	513	0.0	OFF	513	0	0.00	0	60.2	60.2	60.2	
11PM-MID	378	0.0	OFF	378	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	0.0066
MAIN ROUTE WITH WORKS	0.0058
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$26,830
CONGESTED HOURS PER DAY*	1

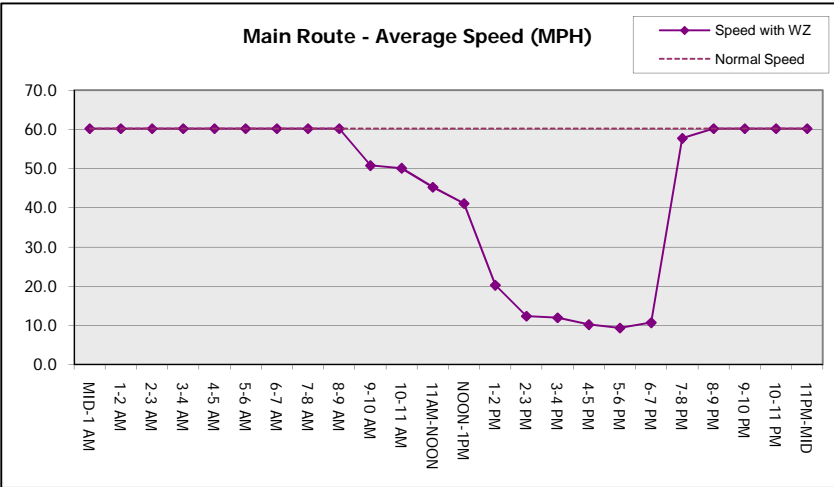
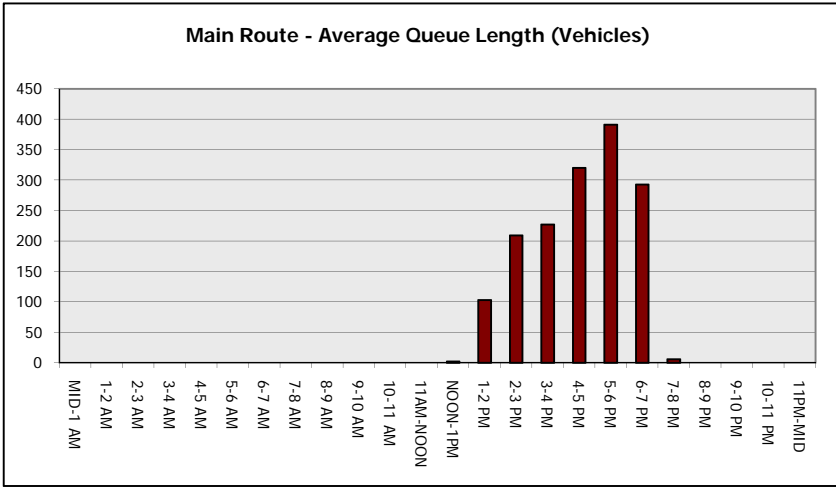
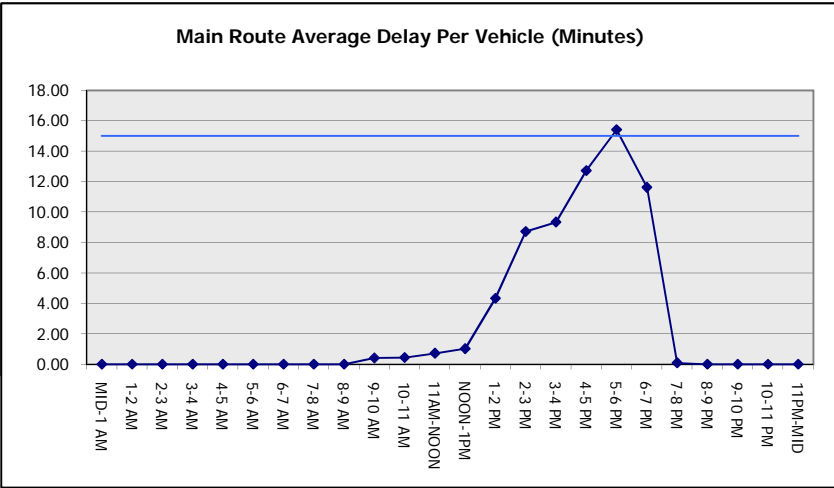
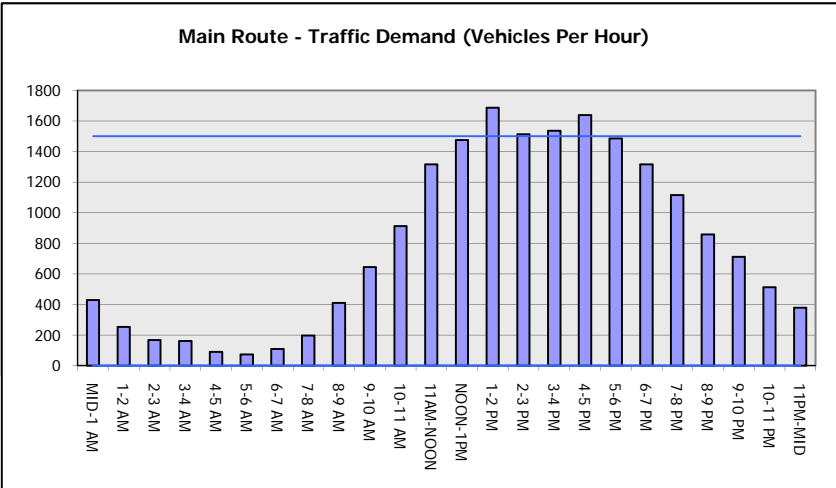
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY 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

SUNDAY 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	509	0.0	OFF	509	0	0.00	0	60.2	60.2	60.2
1-2 AM	317	0.0	OFF	317	0	0.00	0	60.2	60.2	60.2
2-3 AM	179	0.0	OFF	179	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	84	0.0	OFF	84	0	0.00	0	60.2	60.2	60.2
5-6 AM	64	0.0	OFF	64	0	0.00	0	60.2	60.2	60.2
6-7 AM	123	0.0	OFF	123	0	0.00	0	60.2	60.2	60.2
7-8 AM	283	0.0	OFF	283	0	0.00	0	60.2	60.2	60.2
8-9 AM	378	0.0	OFF	378	0	0.00	0	60.2	60.2	60.2
9-10 AM	630	0.0	1500	630	0	0.41	0	60.2	50.8	43.0
10-11 AM	962	0.0	1500	962	0	0.45	0	60.2	50.1	41.8
11AM-NOON	1281	0.0	1499	1281	0	0.68	0	60.2	46.0	36.1
NOON-1PM	1456	0.0	1499	1456	0	0.94	0	60.2	42.2	31.9
1-2 PM	1695	0.0	1500	1695	0	3.96	94	60.2	21.4	30.8
2-3 PM	1653	0.0	1499	1653	0	11.08	277	60.2	10.9	30.8
3-4 PM	1614	0.0	1499	1559	55	15.73+	400	60.2	9.2	30.8
4-5 PM	1707	0.0	1500	1502	205	16.63+	424	60.2	9.0	30.8
5-6 PM	1546	0.0	1500	1506	40	16.48+	420	60.2	9.0	30.8
6-7 PM	1421	0.0	1499	1421	0	15.40+	391	60.2	9.3	30.8
7-8 PM	1152	0.0	OFF	1152	0	0.30	20	60.2	52.9	52.9
8-9 PM	947	0.0	OFF	947	0	0.00	0	60.2	60.2	60.2
9-10 PM	813	0.0	OFF	813	0	0.00	0	60.2	60.2	60.2
10-11 PM	599	0.0	OFF	599	0	0.00	0	60.2	60.2	60.2
11PM-MID	414	0.0	OFF	414	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	0.0070
MAIN ROUTE WITH WORKS	0.0060
'DIVERSION'	0.0002

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$35,758
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

