

**USH 12/14: USH 14 TO OLD SAUK RD (DANE COUNTY)
NIGHTTIME CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

OCTOBER
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	235	0.0	1500	235	0	0.36	0	60.2	49.2	44.5
1-2 AM	141	0.0	1500	141	0	0.35	0	60.2	49.5	44.9
2-3 AM	103	0.0	1500	103	0	0.34	0	60.2	49.6	45.1
3-4 AM	103	0.0	1500	103	0	0.34	0	60.2	49.6	45.1
4-5 AM	97	0.0	1500	97	0	0.34	0	60.2	49.6	45.1
5-6 AM	162	0.0	1500	162	0	0.35	0	60.2	49.4	44.8
6-7 AM	313	0.0	1500	313	0	0.37	0	60.2	48.9	44.2
7-8 AM	681	0.0	1500	681	0	0.41	0	60.2	47.8	42.8
8-9 AM	1069	0.0	OFF	1069	0	0.00	0	60.2	60.2	60.2
9-10 AM	1324	0.0	OFF	1324	0	0.00	0	60.2	60.2	60.2
10-11 AM	1620	0.0	OFF	1620	0	0.00	0	60.2	60.2	60.2
11AM-NOON	1707	0.0	OFF	1707	0	0.00	0	60.2	60.2	60.2
NOON-1PM	1810	0.0	OFF	1810	0	0.00	0	60.2	60.2	60.2
1-2 PM	1786	0.0	OFF	1786	0	0.00	0	60.2	60.2	60.2
2-3 PM	1777	0.0	OFF	1777	0	0.00	0	60.2	60.2	60.2
3-4 PM	1823	0.0	OFF	1823	0	0.00	0	60.2	60.2	60.2
4-5 PM	1756	0.0	OFF	1756	0	0.00	0	60.2	60.2	60.2
5-6 PM	1613	0.0	OFF	1613	0	0.00	0	60.2	60.2	60.2
6-7 PM	1353	0.0	1500	1353	0	0.78	0	60.2	40.5	34.2
7-8 PM	1048	0.0	1500	1048	0	0.46	0	60.2	46.8	41.5
8-9 PM	835	0.0	1500	835	0	0.43	0	60.2	47.4	42.3
9-10 PM	762	0.0	1500	762	0	0.42	0	60.2	47.6	42.5
10-11 PM	522	0.0	1500	522	0	0.39	0	60.2	48.3	43.4
11PM-MID	420	0.0	1500	420	0	0.38	0	60.2	48.6	43.8

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0059
MAIN ROUTE WITH WORKS	0.0054
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$805
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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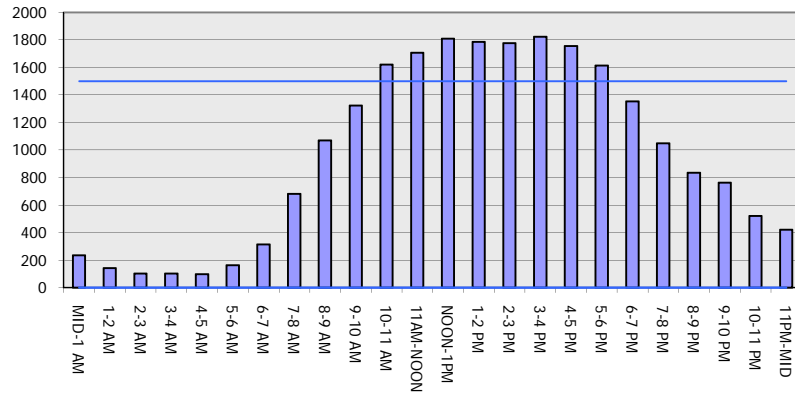
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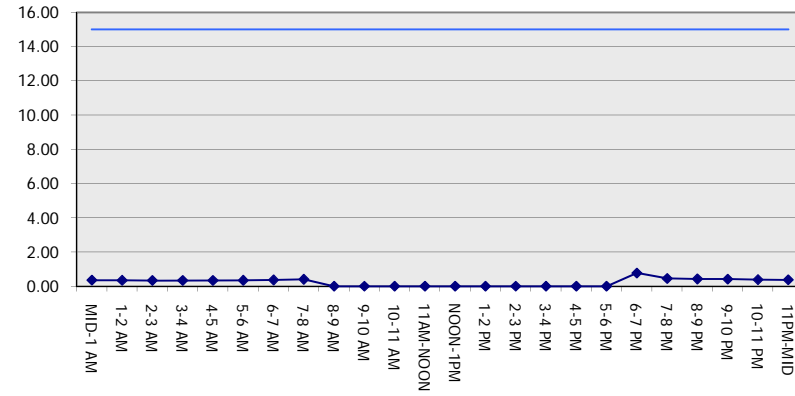
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY WESTBOUND DIRECTION

Main Route - Traffic Demand (Vehicles Per Hour)



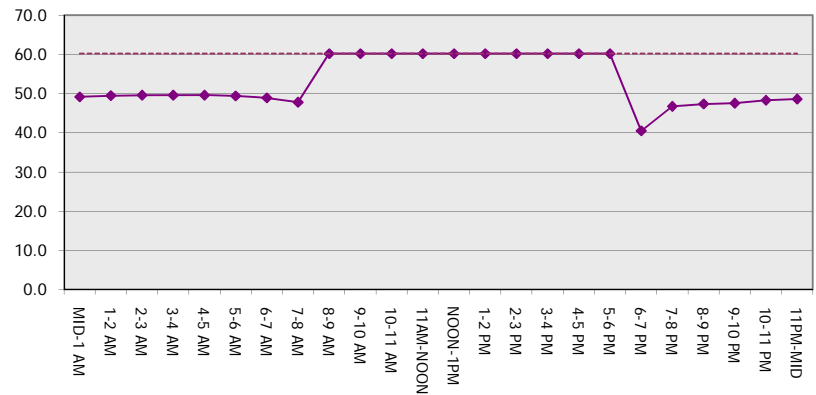
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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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	240	0.0	1500	240	0	0.36	0	60.2	49.2	44.5
1-2 AM	155	0.0	1500	155	0	0.35	0	60.2	49.4	44.8
2-3 AM	186	0.0	1500	186	0	0.35	0	60.2	49.3	44.7
3-4 AM	103	0.0	1500	103	0	0.34	0	60.2	49.6	45.1
4-5 AM	108	0.0	1500	108	0	0.34	0	60.2	49.6	45.1
5-6 AM	175	0.0	1500	175	0	0.35	0	60.2	49.4	44.8
6-7 AM	409	0.0	1500	409	0	0.38	0	60.2	48.6	43.8
7-8 AM	679	0.0	1500	679	0	0.41	0	60.2	47.8	42.8
8-9 AM	1108	0.0	OFF	1108	0	0.00	0	60.2	60.2	60.2
9-10 AM	1428	0.0	OFF	1428	0	0.00	0	60.2	60.2	60.2
10-11 AM	1660	0.0	OFF	1660	0	0.00	0	60.2	60.2	60.2
11AM-NOON	1727	0.0	OFF	1727	0	0.00	0	60.2	60.2	60.2
NOON-1PM	1707	0.0	OFF	1707	0	0.00	0	60.2	60.2	60.2
1-2 PM	1611	0.0	OFF	1611	0	0.00	0	60.2	60.2	60.2
2-3 PM	1658	0.0	OFF	1658	0	0.00	0	60.2	60.2	60.2
3-4 PM	1706	0.0	OFF	1706	0	0.00	0	60.2	60.2	60.2
4-5 PM	1671	0.0	OFF	1671	0	0.00	0	60.2	60.2	60.2
5-6 PM	1567	0.0	OFF	1567	0	0.00	0	60.2	60.2	60.2
6-7 PM	1394	0.0	1500	1394	0	0.83	0	60.2	39.6	33.1
7-8 PM	1137	0.0	1500	1137	0	0.49	0	60.2	46.0	40.6
8-9 PM	867	0.0	1500	867	0	0.44	0	60.2	47.3	42.2
9-10 PM	704	0.0	1500	704	0	0.42	0	60.2	47.8	42.7
10-11 PM	566	0.0	1500	566	0	0.40	0	60.2	48.2	43.3
11PM-MID	381	0.0	1500	381	0	0.38	0	60.2	48.7	44.0

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(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	0.0058
MAIN ROUTE WITH WORKS	0.0054
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$870
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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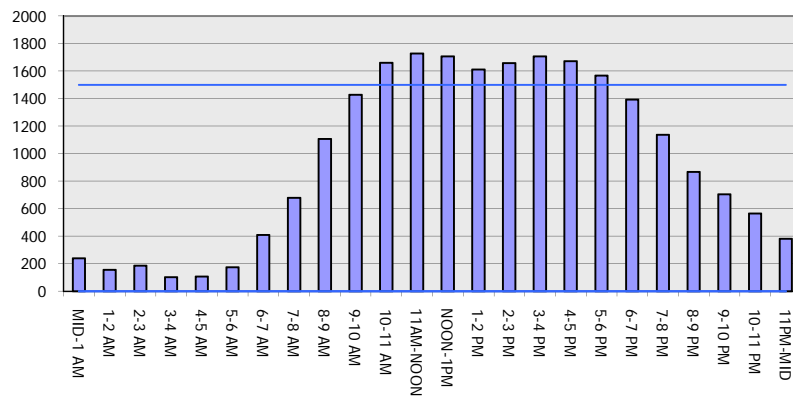
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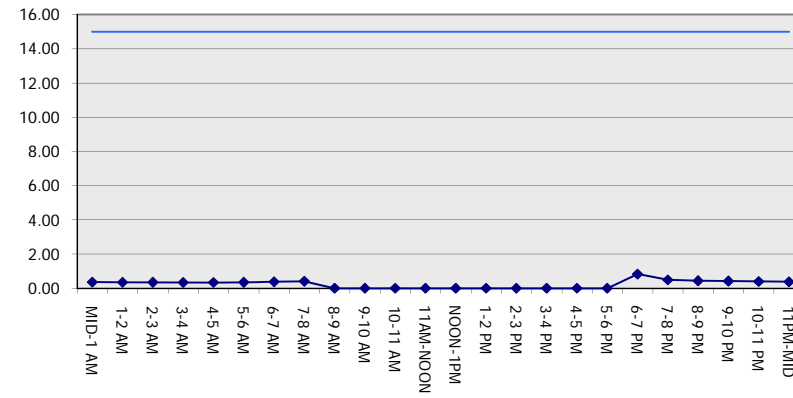
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY EASTBOUND DIRECTION

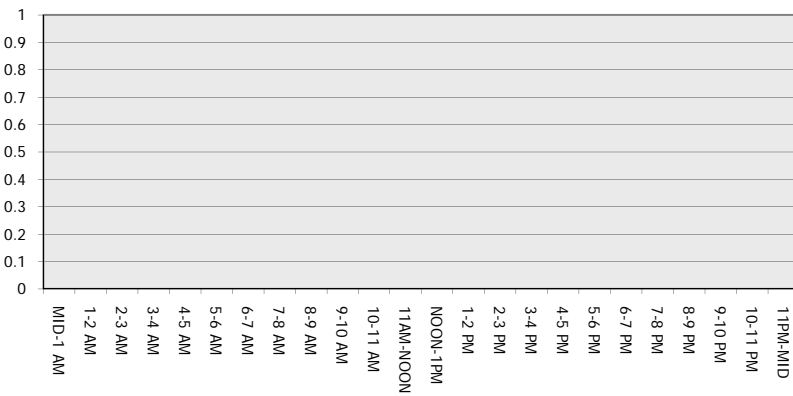
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

