

USH 12/14: USH 14 TO OLD SAUK RD (DANE COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	166	0.0	1500	166	0	0.35	0	60.2	49.4	44.8
1-2 AM	99	0.0	1500	99	0	0.34	0	60.2	49.6	45.1
2-3 AM	76	0.0	1500	76	0	0.34	0	60.2	49.7	45.2
3-4 AM	67	0.0	1500	67	0	0.34	0	60.2	49.7	45.2
4-5 AM	146	0.0	1500	146	0	0.35	0	60.2	49.4	44.9
5-6 AM	421	0.0	OFF	421	0	0.00	0	60.2	60.2	60.2
6-7 AM	1087	0.0	OFF	1087	0	0.00	0	60.2	60.2	60.2
7-8 AM	1699	0.0	OFF	1699	0	0.00	0	60.2	60.2	60.2
8-9 AM	1510	0.0	OFF	1510	0	0.00	0	60.2	60.2	60.2
9-10 AM	1358	0.0	OFF	1358	0	0.00	0	60.2	60.2	60.2
10-11 AM	1508	0.0	OFF	1508	0	0.00	0	60.2	60.2	60.2
11AM-NOON	1821	0.0	OFF	1821	0	0.00	0	60.2	60.2	60.2
NOON-1PM	2062	0.0	OFF	2062	0	0.00	0	60.2	60.2	60.2
1-2 PM	2059	0.0	OFF	2059	0	0.00	0	60.2	60.2	60.2
2-3 PM	2354	0.0	OFF	2354	0	0.00	0	60.2	60.2	60.2
3-4 PM	2635	0.0	OFF	2635	0	0.00	0	59.5	59.5	59.5
4-5 PM	3034	0.0	OFF	3034	0	0.00	0	55.4	55.4	55.4
5-6 PM	2865	0.0	OFF	2865	0	0.00	0	57.1	57.1	57.1
6-7 PM	1938	0.0	OFF	1938	0	0.00	0	60.2	60.2	60.2
7-8 PM	1404	0.0	1499	1404	0	0.88	1	60.2	38.8	33.2
8-9 PM	1087	0.0	1500	1087	0	0.46	0	60.2	46.6	41.4
9-10 PM	934	0.0	1500	934	0	0.44	0	60.2	47.1	41.9
10-11 PM	611	0.0	1500	611	0	0.40	0	60.2	48.1	43.1
11PM-MID	431	0.0	1500	431	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	0.0080
MAIN ROUTE WITH WORKS	0.0076
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$615
CONGESTED HOURS PER DAY*	0

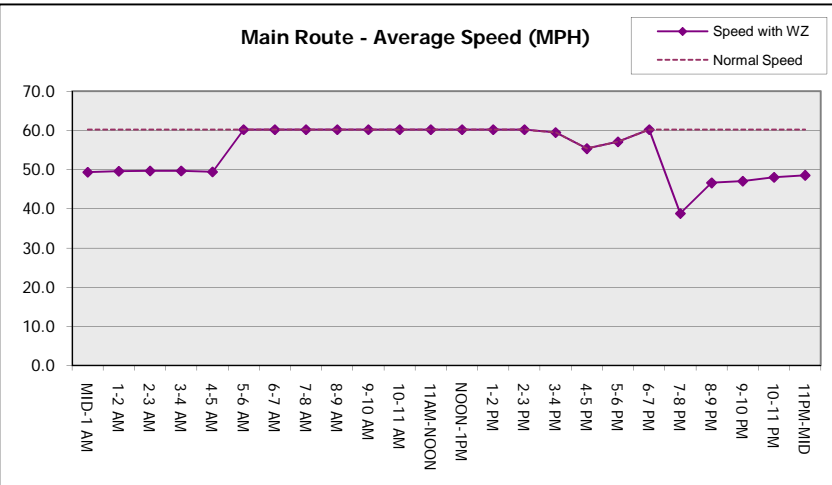
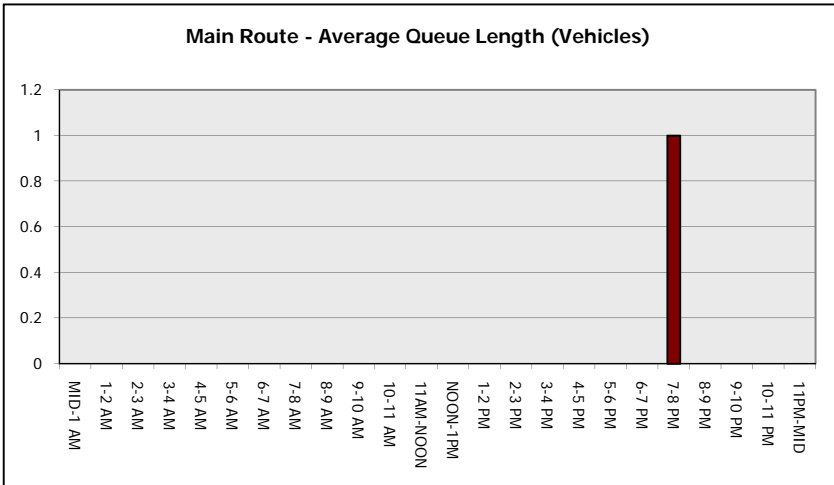
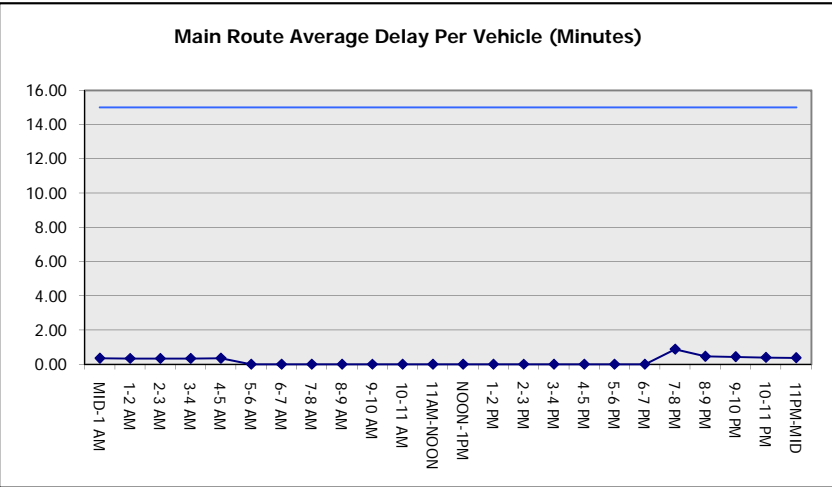
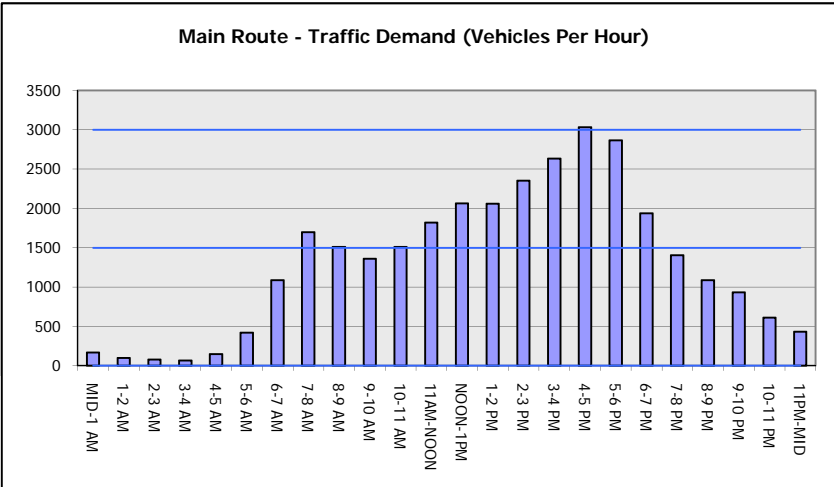
*Delays Exceeding User-Specified Maximum

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NIGHTTIME CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION



USH 12/14: USH 14 TO OLD SAUK RD (DANE COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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	206	0.0	1500	206	0	0.35	0	60.2	49.2	44.6
1-2 AM	115	0.0	1500	115	0	0.34	0	60.2	49.6	45.0
2-3 AM	93	0.0	1500	93	0	0.34	0	60.2	49.6	45.1
3-4 AM	92	0.0	1500	92	0	0.34	0	60.2	49.6	45.1
4-5 AM	153	0.0	1500	153	0	0.35	0	60.2	49.4	44.9
5-6 AM	569	0.0	OFF	569	0	0.00	0	60.2	60.2	60.2
6-7 AM	1575	0.0	OFF	1575	0	0.00	0	60.2	60.2	60.2
7-8 AM	2647	0.0	OFF	2647	0	0.00	0	59.4	59.4	59.4
8-9 AM	2069	0.0	OFF	2069	0	0.00	0	60.2	60.2	60.2
9-10 AM	1579	0.0	OFF	1579	0	0.00	0	60.2	60.2	60.2
10-11 AM	1619	0.0	OFF	1619	0	0.00	0	60.2	60.2	60.2
11AM-NOON	1789	0.0	OFF	1789	0	0.00	0	60.2	60.2	60.2
NOON-1PM	1933	0.0	OFF	1933	0	0.00	0	60.2	60.2	60.2
1-2 PM	1888	0.0	OFF	1888	0	0.00	0	60.2	60.2	60.2
2-3 PM	1908	0.0	OFF	1908	0	0.00	0	60.2	60.2	60.2
3-4 PM	2004	0.0	OFF	2004	0	0.00	0	60.2	60.2	60.2
4-5 PM	2045	0.0	OFF	2045	0	0.00	0	60.2	60.2	60.2
5-6 PM	1881	0.0	OFF	1881	0	0.00	0	60.2	60.2	60.2
6-7 PM	1575	0.0	OFF	1575	0	0.00	0	60.2	60.2	60.2
7-8 PM	1234	0.0	1500	1234	0	0.62	0	60.2	43.3	37.4
8-9 PM	981	0.0	1500	981	0	0.45	0	60.2	46.9	41.7
9-10 PM	834	0.0	1500	834	0	0.43	0	60.2	47.4	42.3
10-11 PM	631	0.0	1500	631	0	0.41	0	60.2	48.0	43.0
11PM-MID	486	0.0	1500	486	0	0.39	0	60.2	48.4	43.5

"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	0.0076
MAIN ROUTE WITH WORKS	0.0073
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$501
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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NIGHTTIME CLOSURE
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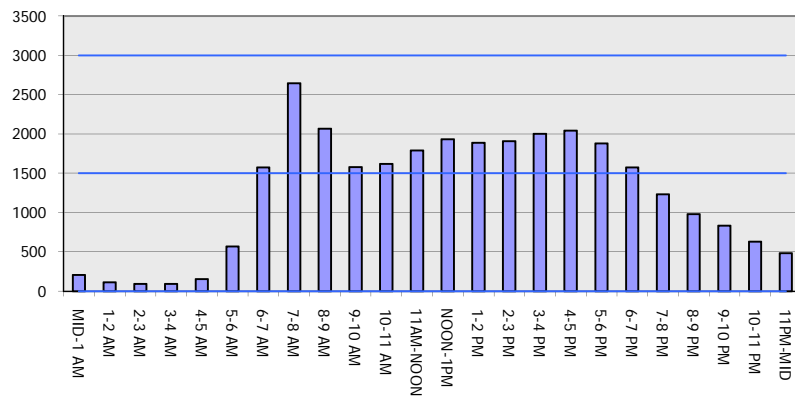
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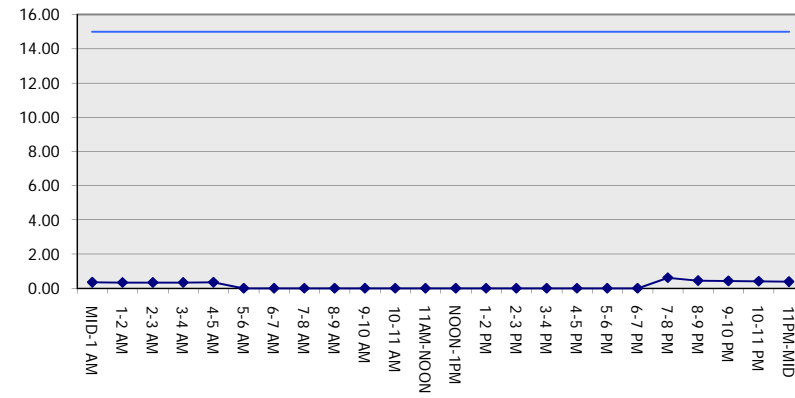
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY EASTBOUND DIRECTION

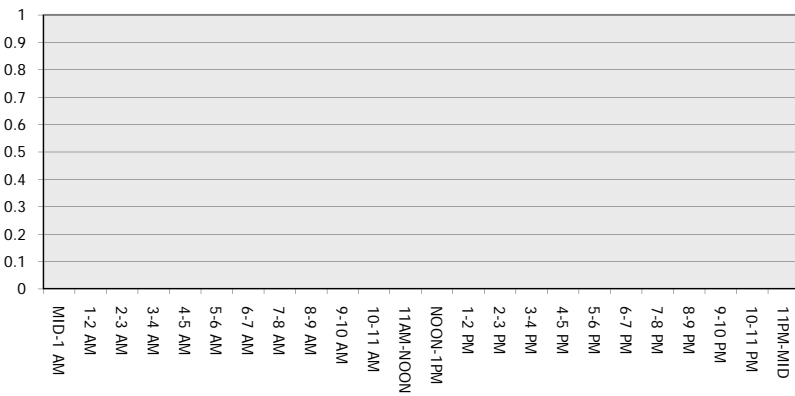
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

