

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

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	130	0.0	1500	130	0	0.34	0	60.2	49.5	45.0
1-2 AM	77	0.0	1500	77	0	0.34	0	60.2	49.7	45.2
2-3 AM	65	0.0	1500	65	0	0.34	0	60.2	49.7	45.2
3-4 AM	61	0.0	1500	61	0	0.34	0	60.2	49.7	45.3
4-5 AM	150	0.0	1500	150	0	0.35	0	60.2	49.4	44.9
5-6 AM	425	0.0	OFF	425	0	0.00	0	60.2	60.2	60.2
6-7 AM	1154	0.0	OFF	1154	0	0.00	0	60.2	60.2	60.2
7-8 AM	1767	0.0	OFF	1767	0	0.00	0	60.2	60.2	60.2
8-9 AM	1509	0.0	OFF	1509	0	0.00	0	60.2	60.2	60.2
9-10 AM	1237	0.0	OFF	1237	0	0.00	0	60.2	60.2	60.2
10-11 AM	1319	0.0	OFF	1319	0	0.00	0	60.2	60.2	60.2
11AM-NOON	1532	0.0	OFF	1532	0	0.00	0	60.2	60.2	60.2
NOON-1PM	1668	0.0	OFF	1668	0	0.00	0	60.2	60.2	60.2
1-2 PM	1667	0.0	OFF	1667	0	0.00	0	60.2	60.2	60.2
2-3 PM	1877	0.0	OFF	1877	0	0.00	0	60.2	60.2	60.2
3-4 PM	2275	0.0	OFF	2275	0	0.00	0	60.2	60.2	60.2
4-5 PM	3008	0.0	OFF	3008	0	0.00	0	55.7	55.7	55.7
5-6 PM	3009	0.0	OFF	3009	0	0.00	0	55.7	55.7	55.7
6-7 PM	1833	0.0	OFF	1833	0	0.00	0	60.2	60.2	60.2
7-8 PM	1296	0.0	1500	1296	0	0.70	0	60.2	41.8	35.6
8-9 PM	1087	0.0	1500	1087	0	0.46	0	60.2	46.6	41.4
9-10 PM	816	0.0	1500	816	0	0.43	0	60.2	47.4	42.4
10-11 PM	442	0.0	1500	442	0	0.38	0	60.2	48.6	43.7
11PM-MID	265	0.0	1500	265	0	0.36	0	60.2	49.1	44.4

"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	0.0073
MAIN ROUTE WITH WORKS	0.0070
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$472
CONGESTED HOURS PER DAY*	0

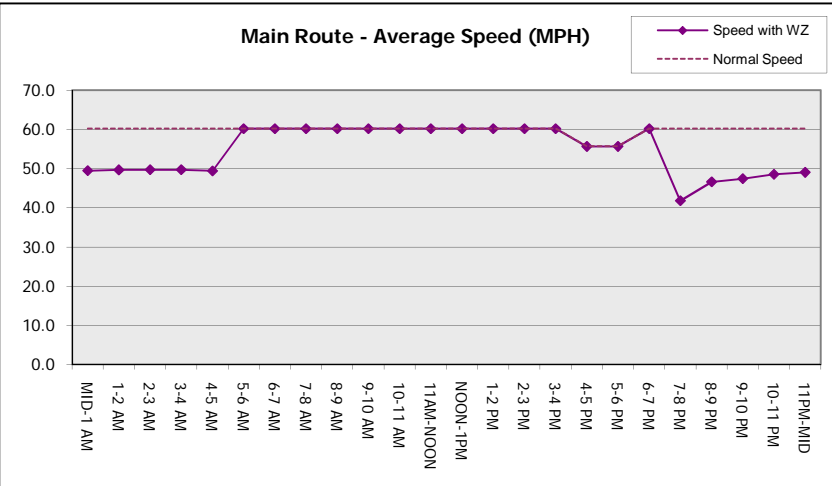
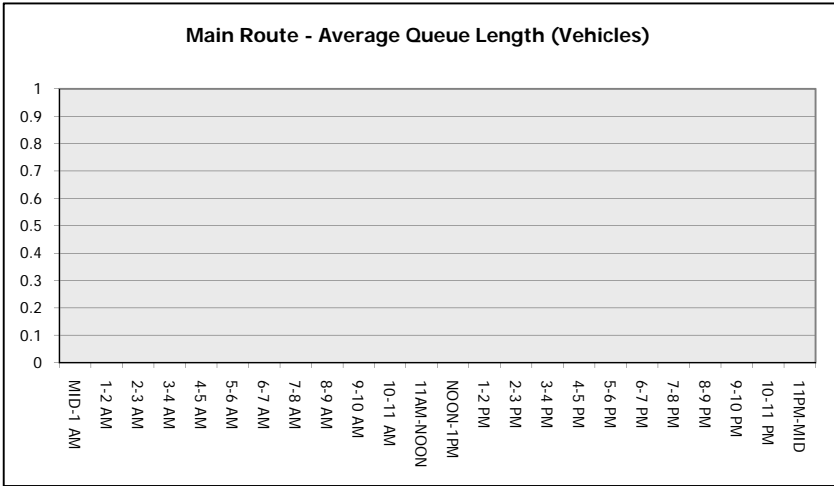
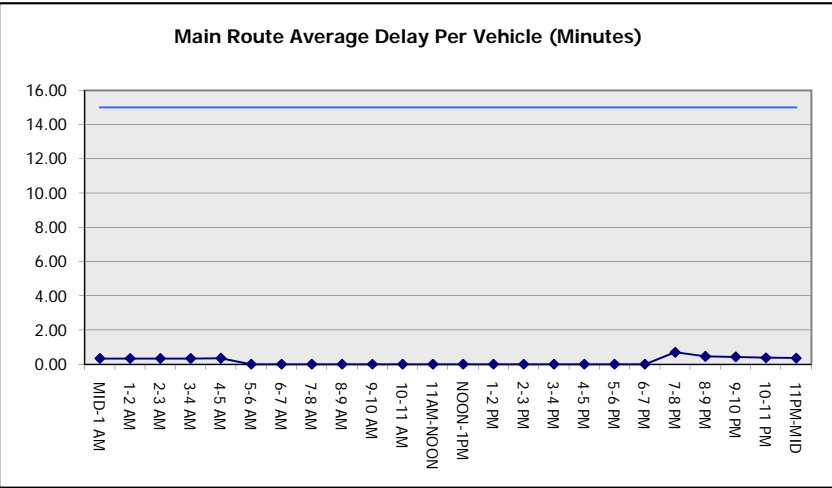
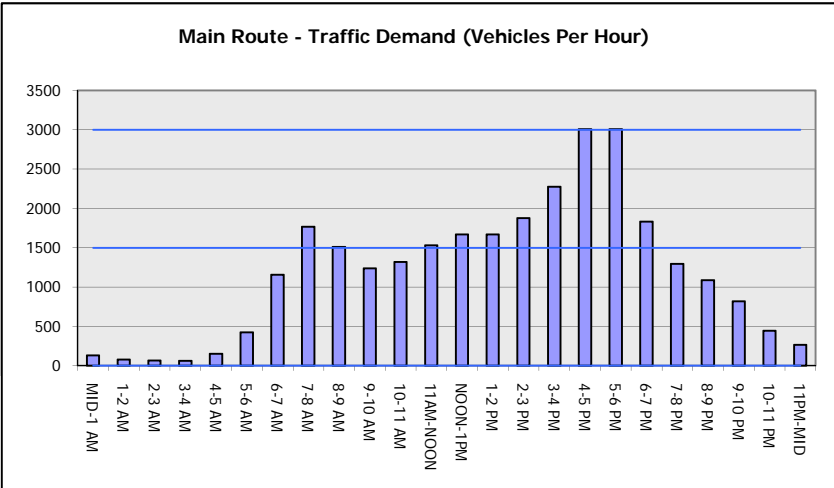
*Delays Exceeding User-Specified Maximum

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AUGUST
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR 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

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	145	0.0	1500	145	0	0.35	0	60.2	49.4	44.9
1-2 AM	100	0.0	1500	100	0	0.34	0	60.2	49.6	45.1
2-3 AM	67	0.0	1500	67	0	0.34	0	60.2	49.7	45.2
3-4 AM	81	0.0	1500	81	0	0.34	0	60.2	49.7	45.1
4-5 AM	160	0.0	1500	160	0	0.35	0	60.2	49.4	44.8
5-6 AM	604	0.0	OFF	604	0	0.00	0	60.2	60.2	60.2
6-7 AM	1657	0.0	OFF	1657	0	0.00	0	60.2	60.2	60.2
7-8 AM	2854	0.0	OFF	2854	0	0.00	0	57.3	57.3	57.3
8-9 AM	2267	0.0	OFF	2267	0	0.00	0	60.2	60.2	60.2
9-10 AM	1548	0.0	OFF	1548	0	0.00	0	60.2	60.2	60.2
10-11 AM	1505	0.0	OFF	1505	0	0.00	0	60.2	60.2	60.2
11AM-NOON	1649	0.0	OFF	1649	0	0.00	0	60.2	60.2	60.2
NOON-1PM	1753	0.0	OFF	1753	0	0.00	0	60.2	60.2	60.2
1-2 PM	1681	0.0	OFF	1681	0	0.00	0	60.2	60.2	60.2
2-3 PM	1709	0.0	OFF	1709	0	0.00	0	60.2	60.2	60.2
3-4 PM	1989	0.0	OFF	1989	0	0.00	0	60.2	60.2	60.2
4-5 PM	2107	0.0	OFF	2107	0	0.00	0	60.2	60.2	60.2
5-6 PM	2044	0.0	OFF	2044	0	0.00	0	60.2	60.2	60.2
6-7 PM	1502	0.0	OFF	1502	0	0.00	0	60.2	60.2	60.2
7-8 PM	1159	0.0	1500	1159	0	0.52	0	60.2	45.4	39.8
8-9 PM	991	0.0	1500	991	0	0.45	0	60.2	46.9	41.7
9-10 PM	736	0.0	1500	736	0	0.42	0	60.2	47.7	42.6
10-11 PM	507	0.0	1500	507	0	0.39	0	60.2	48.4	43.5
11PM-MID	350	0.0	1500	350	0	0.37	0	60.2	48.8	44.1

"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	0.0074
MAIN ROUTE WITH WORKS	0.0071
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$405
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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NIGHTTIME CLOSURE
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AUGUST

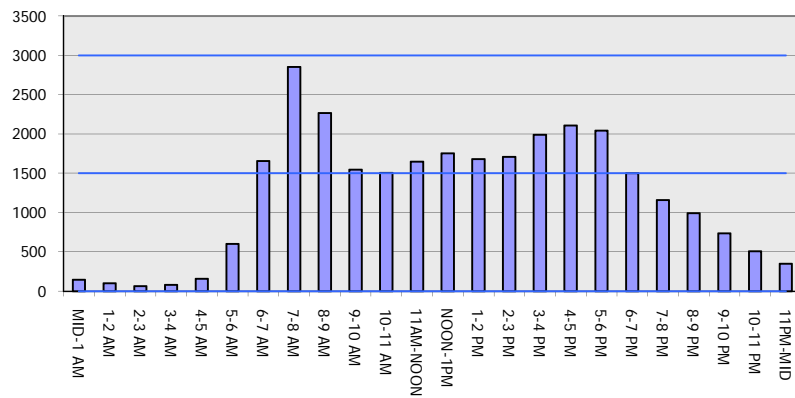
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

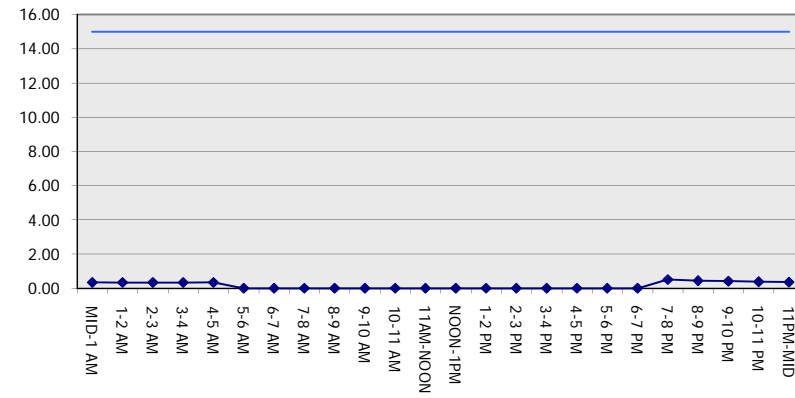
MON-THUR

EASTBOUND DIRECTION

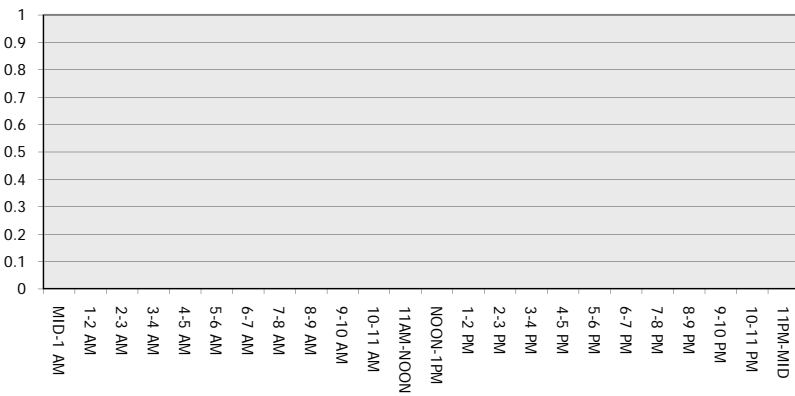
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

