

USH 12/14: USH 14 TO OLD SAUK RD (DANE COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	248	0.0	OFF	248	0	0.00	0	60.2	60.2	60.2	
1-2 AM	155	0.0	OFF	155	0	0.00	0	60.2	60.2	60.2	
2-3 AM	115	0.0	OFF	115	0	0.00	0	60.2	60.2	60.2	
3-4 AM	91	0.0	OFF	91	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	149	0.0	OFF	149	0	0.00	0	60.2	60.2	60.2	
6-7 AM	317	0.0	OFF	317	0	0.00	0	60.2	60.2	60.2	
7-8 AM	641	0.0	OFF	641	0	0.00	0	60.2	60.2	60.2	
8-9 AM	942	0.0	1500	942	0	0.44	0	60.2	47.1	41.9	
9-10 AM	1223	0.0	1499	1223	0	0.60	0	60.2	43.7	37.8	
10-11 AM	1463	0.0	1499	1463	0	0.98	1	60.2	37.3	31.7	
11AM-NOON	1649	0.0	1500	1649	0	3.44	76	60.2	19.3	30.8	
NOON-1PM	1655	0.0	1499	1655	0	9.48	234	60.2	10.6	30.8	
1-2 PM	1658	0.0	1500	1623	35	15.30+	390	60.2	8.5	30.8	
2-3 PM	1563	0.0	1500	1500	63	17.03+	435	60.2	8.1	30.8	
3-4 PM	1581	0.0	1500	1500	81	17.04+	435	60.2	8.1	30.8	
4-5 PM	1554	0.0	1500	1500	54	17.03+	435	60.2	8.1	30.8	
5-6 PM	1419	0.0	1499	1419	0	15.97+	407	60.2	8.3	30.8	
6-7 PM	1165	0.0	OFF	1165	0	0.33	22	60.2	49.8	49.8	
7-8 PM	969	0.0	OFF	969	0	0.00	0	60.2	60.2	60.2	
8-9 PM	862	0.0	OFF	862	0	0.00	0	60.2	60.2	60.2	
9-10 PM	765	0.0	OFF	765	0	0.00	0	60.2	60.2	60.2	
10-11 PM	539	0.0	OFF	539	0	0.00	0	60.2	60.2	60.2	
11PM-MID	408	0.0	OFF	408	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	0.0054
MAIN ROUTE WITH WORKS	0.0044
'DIVERSION'	0.0001
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$41,361
CONGESTED HOURS PER DAY*	5

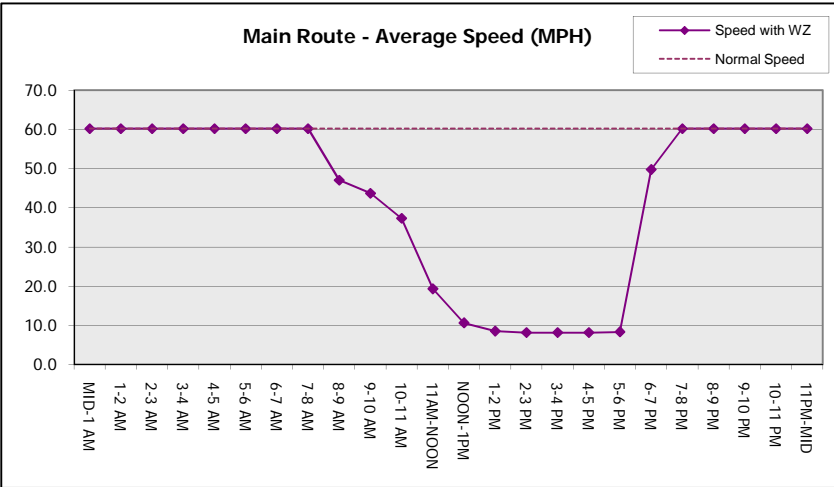
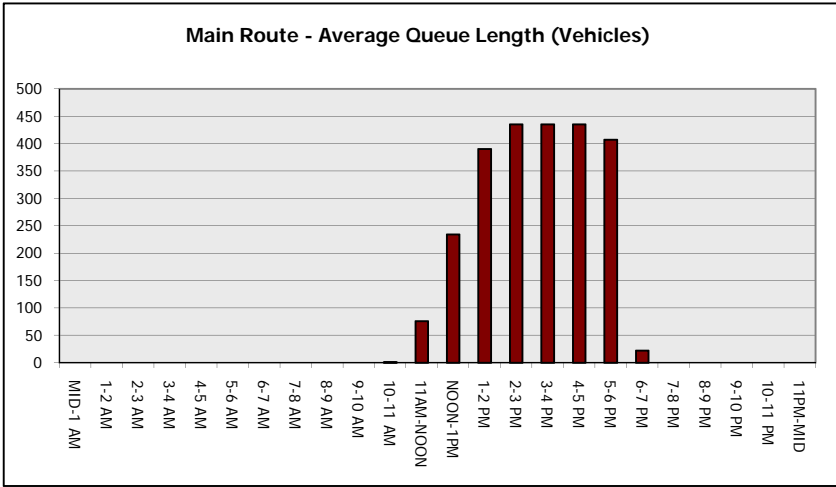
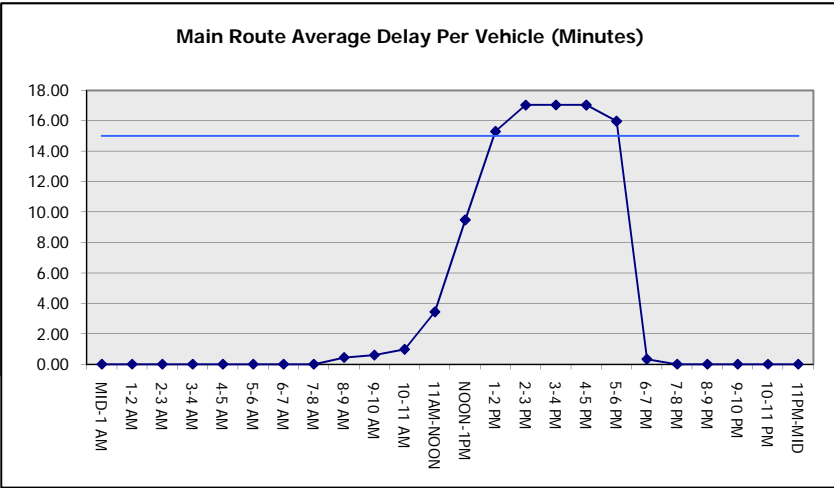
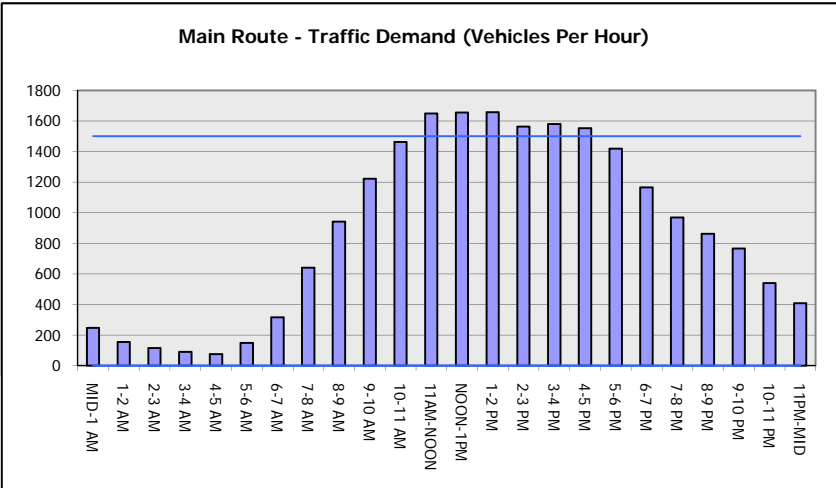
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY WESTBOUND DIRECTION



USH 12/14: USH 14 TO OLD SAUK RD (DANE COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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	275	0.0	OFF	275	0	0.00	0	60.2	60.2	60.2
1-2 AM	166	0.0	OFF	166	0	0.00	0	60.2	60.2	60.2
2-3 AM	186	0.0	OFF	186	0	0.00	0	60.2	60.2	60.2
3-4 AM	85	0.0	OFF	85	0	0.00	0	60.2	60.2	60.2
4-5 AM	102	0.0	OFF	102	0	0.00	0	60.2	60.2	60.2
5-6 AM	167	0.0	OFF	167	0	0.00	0	60.2	60.2	60.2
6-7 AM	395	0.0	OFF	395	0	0.00	0	60.2	60.2	60.2
7-8 AM	609	0.0	OFF	609	0	0.00	0	60.2	60.2	60.2
8-9 AM	895	0.0	1500	895	0	0.44	0	60.2	47.2	42.0
9-10 AM	1237	0.0	1499	1237	0	0.62	0	60.2	43.3	37.4
10-11 AM	1491	0.0	1499	1491	0	1.09	4	60.2	35.8	31.4
11AM-NOON	1611	0.0	1500	1611	0	3.30	68	60.2	19.6	30.8
NOON-1PM	1653	0.0	1500	1653	0	8.37	204	60.2	11.3	30.8
1-2 PM	1655	0.0	1500	1655	0	14.33+	364	60.2	8.8	30.8
2-3 PM	1523	0.0	1499	1495	28	17.01+	434	60.2	8.1	30.8
3-4 PM	1501	0.0	1500	1501	0	17.01+	434	60.2	8.1	30.8
4-5 PM	1494	0.0	1500	1494	0	16.94+	432	60.2	8.1	30.8
5-6 PM	1434	0.0	1499	1434	0	15.78+	401	60.2	8.4	30.8
6-7 PM	1268	0.0	OFF	1268	0	0.36	23	60.2	49.1	49.1
7-8 PM	1017	0.0	OFF	1017	0	0.00	0	60.2	60.2	60.2
8-9 PM	871	0.0	OFF	871	0	0.00	0	60.2	60.2	60.2
9-10 PM	768	0.0	OFF	768	0	0.00	0	60.2	60.2	60.2
10-11 PM	548	0.0	OFF	548	0	0.00	0	60.2	60.2	60.2
11PM-MID	499	0.0	OFF	499	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

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

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

MAIN ROUTE WITHOUT WORKS	0.0055
MAIN ROUTE WITH WORKS	0.0045
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$39,490
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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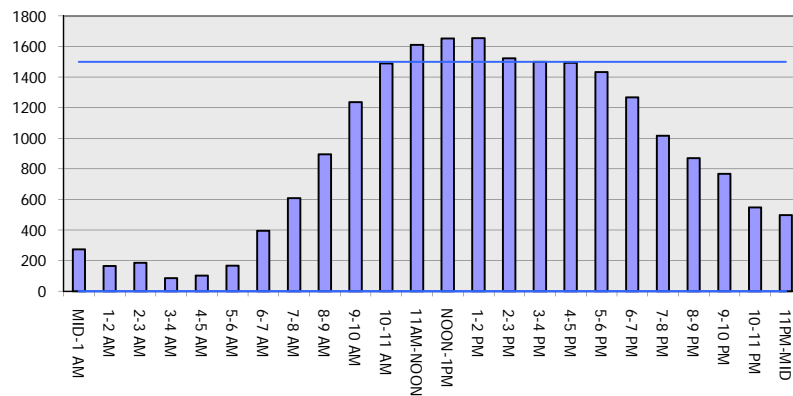
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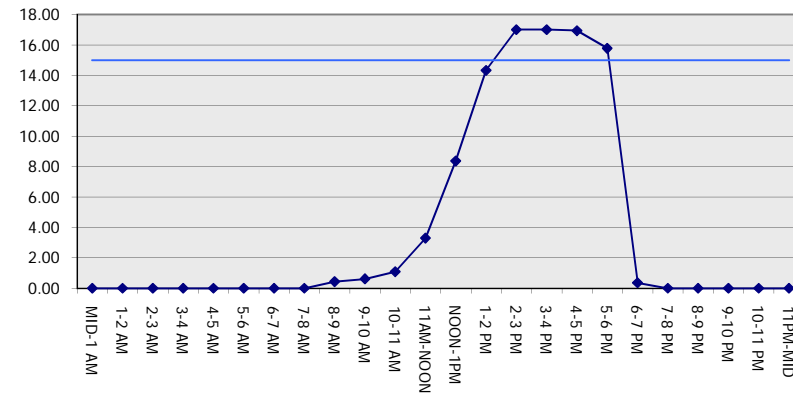
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY EASTBOUND DIRECTION

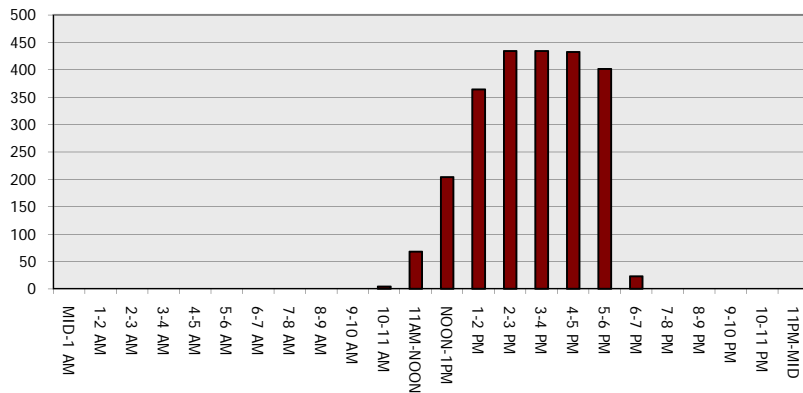
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

