

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

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	OFF	130	0	0.00	0	60.2	60.2	60.2	
1-2 AM	77	0.0	OFF	77	0	0.00	0	60.2	60.2	60.2	
2-3 AM	65	0.0	OFF	65	0	0.00	0	60.2	60.2	60.2	
3-4 AM	61	0.0	OFF	61	0	0.00	0	60.2	60.2	60.2	
4-5 AM	150	0.0	OFF	150	0	0.00	0	60.2	60.2	60.2	
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	1499	1319	0	0.73	0	60.2	41.3	35.0	
11AM-NOON	1532	0.0	1499	1532	0	1.27	9	60.2	33.5	30.9	
NOON-1PM	1668	0.0	1500	1668	0	4.97	117	60.2	15.3	30.8	
1-2 PM	1667	0.0	1499	1667	0	11.24	281	60.2	9.7	30.8	
2-3 PM	1877	0.0	1499	1556	321	16.82+	429	60.2	8.1	30.8	
3-4 PM	2275	0.0	OFF	2275	0	0.83	53	60.2	39.5	39.5	
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	OFF	1296	0	0.00	0	60.2	60.2	60.2	
8-9 PM	1087	0.0	OFF	1087	0	0.00	0	60.2	60.2	60.2	
9-10 PM	816	0.0	OFF	816	0	0.00	0	60.2	60.2	60.2	
10-11 PM	442	0.0	OFF	442	0	0.00	0	60.2	60.2	60.2	
11PM-MID	265	0.0	OFF	265	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	0.0073
MAIN ROUTE WITH WORKS	0.0067
'DIVERSION'	0.0002
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$13,047
CONGESTED HOURS PER DAY*	1

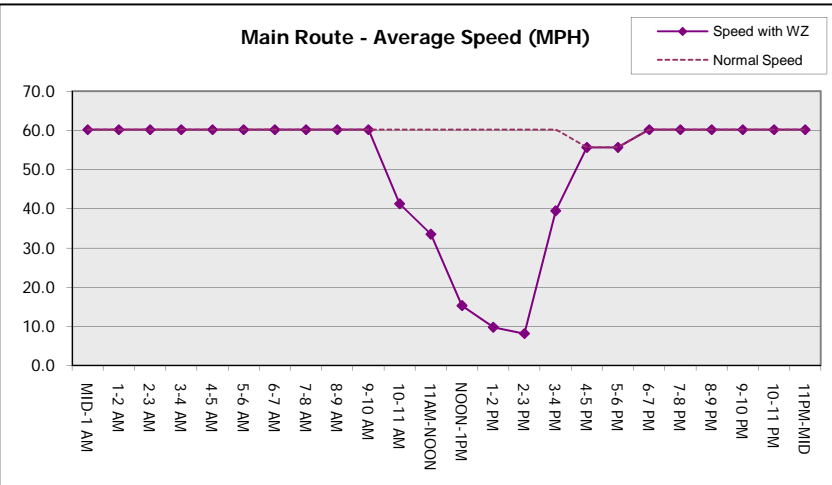
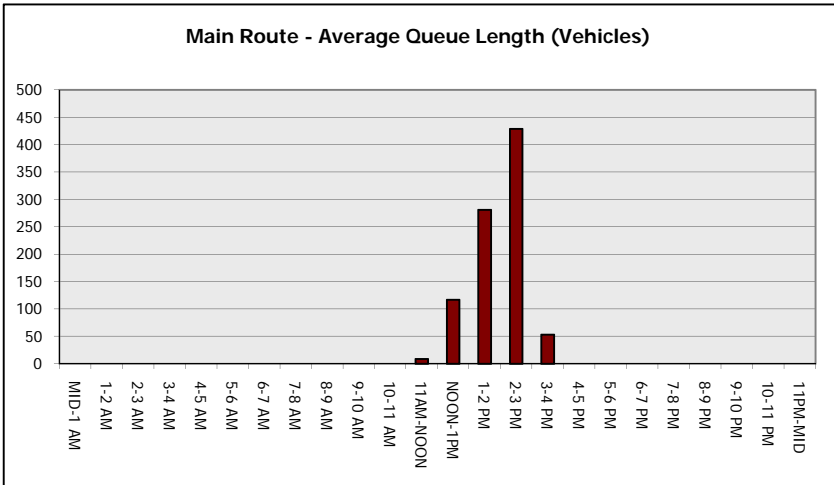
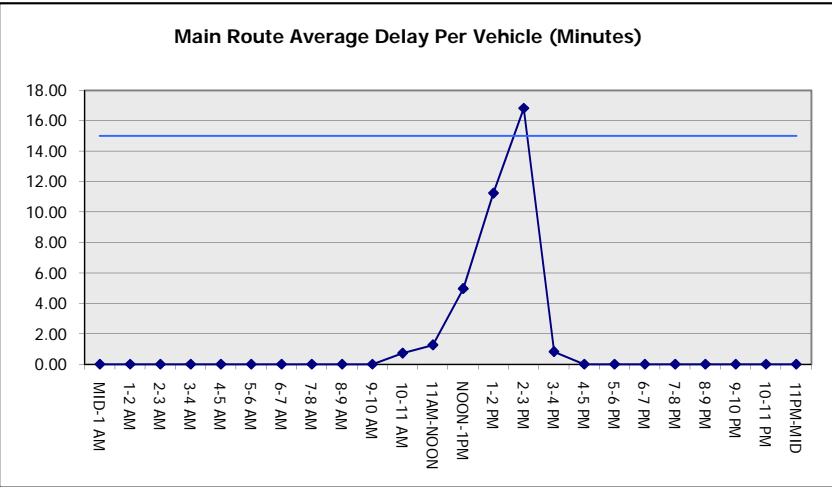
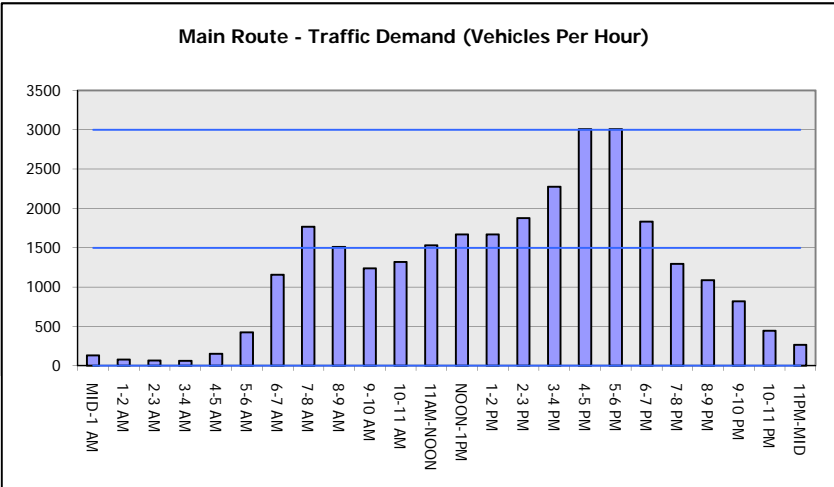
*Delays Exceeding User-Specified Maximum

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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) OFF-PEAK DAY 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	OFF	145	0	0.00	0	60.2	60.2	60.2
1-2 AM	100	0.0	OFF	100	0	0.00	0	60.2	60.2	60.2
2-3 AM	67	0.0	OFF	67	0	0.00	0	60.2	60.2	60.2
3-4 AM	81	0.0	OFF	81	0	0.00	0	60.2	60.2	60.2
4-5 AM	160	0.0	OFF	160	0	0.00	0	60.2	60.2	60.2
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	1499	1505	0	1.04	2	60.2	36.4	30.9
11AM-NOON	1649	0.0	1500	1649	0	3.40	75	60.2	19.4	30.8
NOON-1PM	1753	0.0	1500	1753	0	11.12	283	60.2	9.9	30.8
1-2 PM	1681	0.0	1499	1505	176	17.05+	435	60.2	8.1	30.8
2-3 PM	1709	0.0	1500	1504	205	17.05+	435	60.2	8.1	30.8
3-4 PM	1989	0.0	OFF	1989	0	0.66	43	60.2	42.6	42.6
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	OFF	1159	0	0.00	0	60.2	60.2	60.2
8-9 PM	991	0.0	OFF	991	0	0.00	0	60.2	60.2	60.2
9-10 PM	736	0.0	OFF	736	0	0.00	0	60.2	60.2	60.2
10-11 PM	507	0.0	OFF	507	0	0.00	0	60.2	60.2	60.2
11PM-MID	350	0.0	OFF	350	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	0.0074
MAIN ROUTE WITH WORKS	0.0068
'DIVERSION'	0.0002
<small>PIA: Personal Injury Accidents</small>	
ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$17,654
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

