

USH 12/14: USH 14 TO OLD SAUK RD (DANE COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	133	0.0	OFF	133	0	0.00	0	60.2	60.2	60.2	
1-2 AM	85	0.0	OFF	85	0	0.00	0	60.2	60.2	60.2	
2-3 AM	77	0.0	OFF	77	0	0.00	0	60.2	60.2	60.2	
3-4 AM	67	0.0	OFF	67	0	0.00	0	60.2	60.2	60.2	
4-5 AM	161	0.0	OFF	161	0	0.00	0	60.2	60.2	60.2	
5-6 AM	397	0.0	OFF	397	0	0.00	0	60.2	60.2	60.2	
6-7 AM	1104	0.0	OFF	1104	0	0.00	0	60.2	60.2	60.2	
7-8 AM	1892	0.0	OFF	1892	0	0.00	0	60.2	60.2	60.2	
8-9 AM	1434	0.0	OFF	1434	0	0.00	0	60.2	60.2	60.2	
9-10 AM	1258	0.0	OFF	1258	0	0.00	0	60.2	60.2	60.2	
10-11 AM	1388	0.0	1499	1388	0	0.82	0	60.2	39.7	33.3	
11AM-NOON	1673	0.0	1499	1673	0	3.03	69	60.2	21.1	30.8	
NOON-1PM	1936	0.0	1500	1711	225	13.71+	355	60.2	9.0	30.8	
1-2 PM	1887	0.0	1500	1519	368	17.03+	435	60.2	8.1	30.8	
2-3 PM	2132	0.0	1500	1507	625	17.11+	437	60.2	8.1	30.8	
3-4 PM	2524	0.0	OFF	2524	0	0.96	56	60.2	37.6	37.6	
4-5 PM	2917	0.0	OFF	2917	0	0.00	0	56.6	56.6	56.6	
5-6 PM	2736	0.0	OFF	2736	0	0.00	0	58.5	58.5	58.5	
6-7 PM	1925	0.0	OFF	1925	0	0.00	0	60.2	60.2	60.2	
7-8 PM	1449	0.0	OFF	1449	0	0.00	0	60.2	60.2	60.2	
8-9 PM	1198	0.0	OFF	1198	0	0.00	0	60.2	60.2	60.2	
9-10 PM	981	0.0	OFF	981	0	0.00	0	60.2	60.2	60.2	
10-11 PM	641	0.0	OFF	641	0	0.00	0	60.2	60.2	60.2	
11PM-MID	418	0.0	OFF	418	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

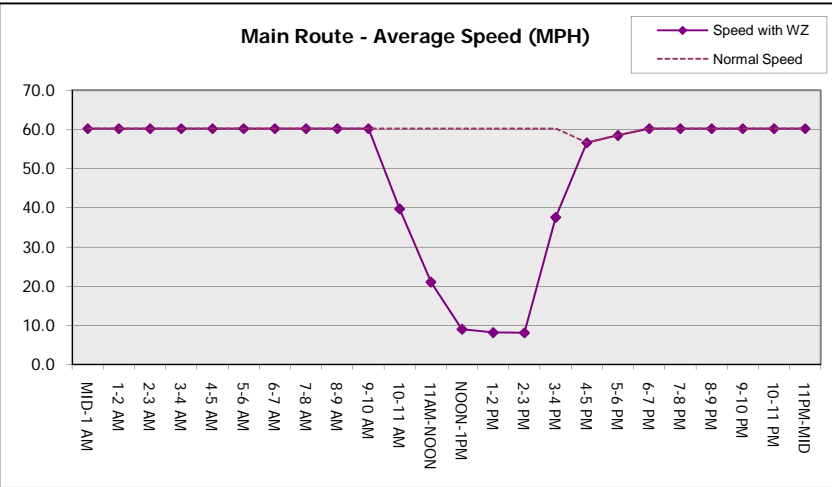
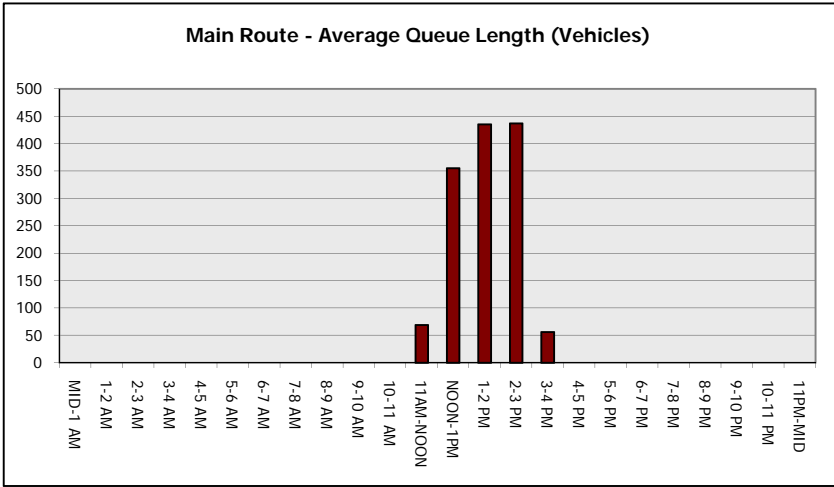
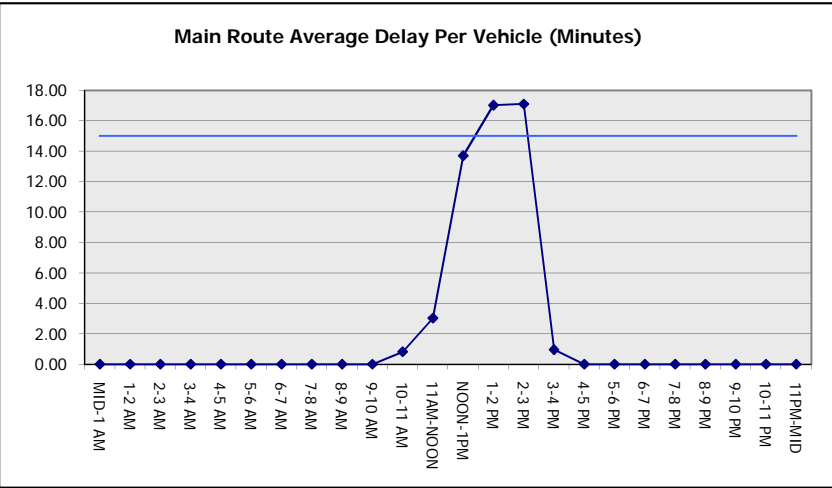
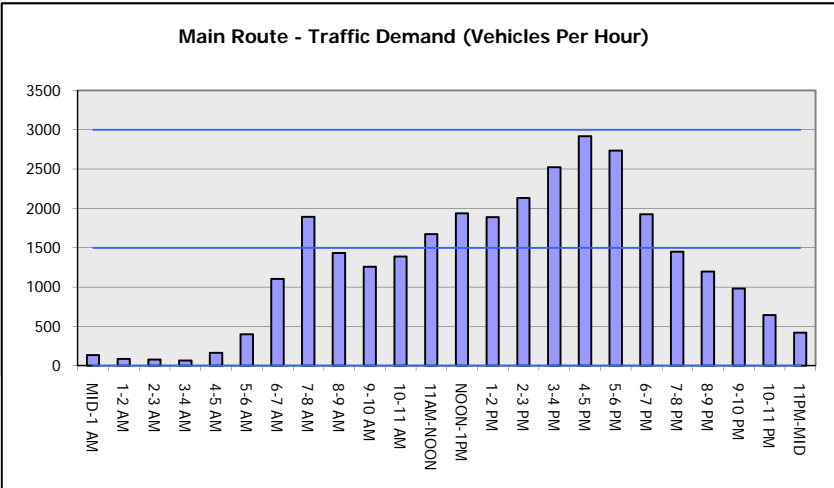
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0077
MAIN ROUTE WITH WORKS	0.0069
'DIVERSION'	0.0007
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$22,140
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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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) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	171	0.0	OFF	171	0	0.00	0	60.2	60.2	60.2
1-2 AM	116	0.0	OFF	116	0	0.00	0	60.2	60.2	60.2
2-3 AM	79	0.0	OFF	79	0	0.00	0	60.2	60.2	60.2
3-4 AM	79	0.0	OFF	79	0	0.00	0	60.2	60.2	60.2
4-5 AM	155	0.0	OFF	155	0	0.00	0	60.2	60.2	60.2
5-6 AM	501	0.0	OFF	501	0	0.00	0	60.2	60.2	60.2
6-7 AM	1618	0.0	OFF	1618	0	0.00	0	60.2	60.2	60.2
7-8 AM	2715	0.0	OFF	2715	0	0.00	0	58.7	58.7	58.7
8-9 AM	2240	0.0	OFF	2240	0	0.00	0	60.2	60.2	60.2
9-10 AM	1572	0.0	OFF	1572	0	0.00	0	60.2	60.2	60.2
10-11 AM	1497	0.0	1499	1497	0	0.98	0	60.2	37.2	30.9
11AM-NOON	1636	0.0	1500	1636	0	2.92	61	60.2	21.3	30.8
NOON-1PM	1763	0.0	1500	1763	0	10.52	268	60.2	10.1	30.8
1-2 PM	1673	0.0	1499	1524	148	16.94+	432	60.2	8.1	30.8
2-3 PM	1743	0.0	1500	1502	240	17.06+	435	60.2	8.1	30.8
3-4 PM	2004	0.0	OFF	2004	0	0.69	45	60.2	42.0	42.0
4-5 PM	1906	0.0	OFF	1906	0	0.00	0	60.2	60.2	60.2
5-6 PM	1860	0.0	OFF	1860	0	0.00	0	60.2	60.2	60.2
6-7 PM	1545	0.0	OFF	1545	0	0.00	0	60.2	60.2	60.2
7-8 PM	1225	0.0	OFF	1225	0	0.00	0	60.2	60.2	60.2
8-9 PM	987	0.0	OFF	987	0	0.00	0	60.2	60.2	60.2
9-10 PM	839	0.0	OFF	839	0	0.00	0	60.2	60.2	60.2
10-11 PM	583	0.0	OFF	583	0	0.00	0	60.2	60.2	60.2
11PM-MID	443	0.0	OFF	443	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	0.0067
'DIVERSION'	0.0002

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$17,973
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

