

USH 12/14: USH 14 TO OLD SAUK RD (DANE COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	113	0.0	1500	113	0	0.34	0	60.2	49.6	45.0	
1-2 AM	62	0.0	1500	62	0	0.34	0	60.2	49.7	45.3	
2-3 AM	51	0.0	1500	51	0	0.33	0	60.2	49.7	45.3	
3-4 AM	58	0.0	1500	58	0	0.34	0	60.2	49.7	45.3	
4-5 AM	149	0.0	1500	149	0	0.35	0	60.2	49.4	44.9	
5-6 AM	398	0.0	OFF	398	0	0.00	0	60.2	60.2	60.2	
6-7 AM	1102	0.0	OFF	1102	0	0.00	0	60.2	60.2	60.2	
7-8 AM	1791	0.0	OFF	1791	0	0.00	0	60.2	60.2	60.2	
8-9 AM	1330	0.0	OFF	1330	0	0.00	0	60.2	60.2	60.2	
9-10 AM	1108	0.0	OFF	1108	0	0.00	0	60.2	60.2	60.2	
10-11 AM	1197	0.0	OFF	1197	0	0.00	0	60.2	60.2	60.2	
11AM-NOON	1427	0.0	OFF	1427	0	0.00	0	60.2	60.2	60.2	
NOON-1PM	1551	0.0	OFF	1551	0	0.00	0	60.2	60.2	60.2	
1-2 PM	1556	0.0	OFF	1556	0	0.00	0	60.2	60.2	60.2	
2-3 PM	1696	0.0	OFF	1696	0	0.00	0	60.2	60.2	60.2	
3-4 PM	2129	0.0	OFF	2129	0	0.00	0	60.2	60.2	60.2	
4-5 PM	2849	0.0	OFF	2849	0	0.00	0	57.3	57.3	57.3	
5-6 PM	2769	0.0	OFF	2769	0	0.00	0	58.1	58.1	58.1	
6-7 PM	1751	0.0	OFF	1751	0	0.00	0	60.2	60.2	60.2	
7-8 PM	1254	0.0	1500	1254	0	0.65	0	60.2	42.8	36.8	
8-9 PM	1024	0.0	1500	1024	0	0.45	0	60.2	46.8	41.6	
9-10 PM	731	0.0	1500	731	0	0.42	0	60.2	47.7	42.7	
10-11 PM	405	0.0	1500	405	0	0.38	0	60.2	48.7	43.9	
11PM-MID	225	0.0	1500	225	0	0.36	0	60.2	49.2	44.6	

"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

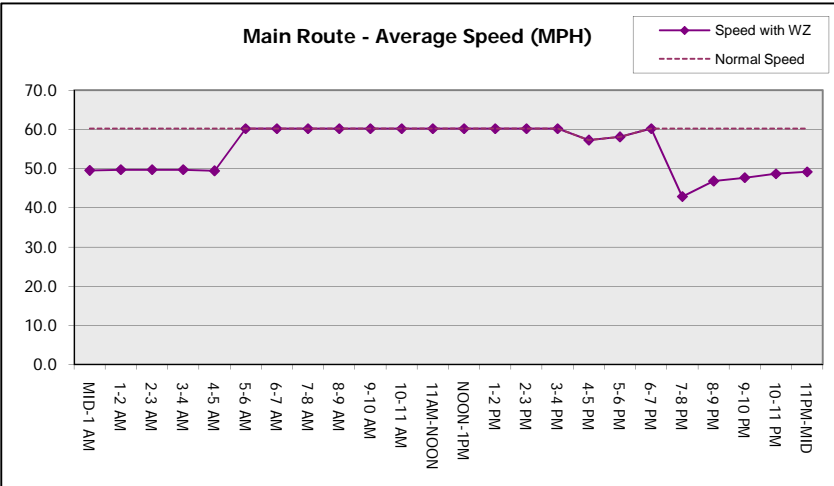
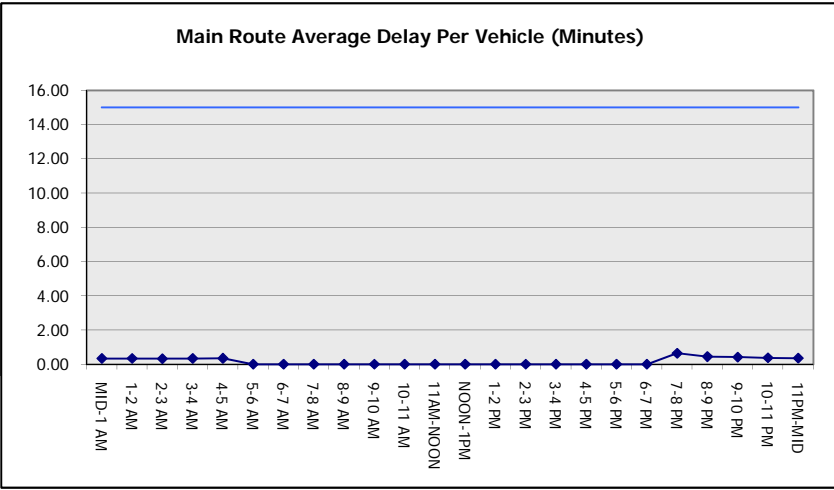
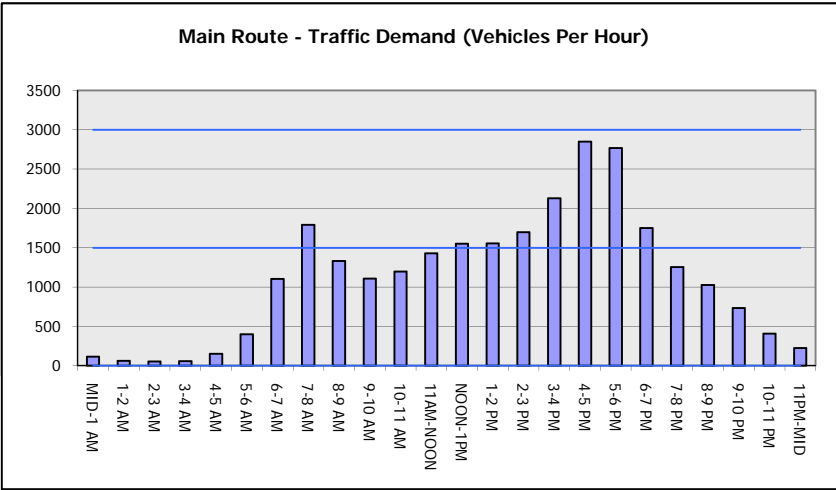
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0068
MAIN ROUTE WITH WORKS	0.0065
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$422
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



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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	132	0.0	1500	132	0	0.34	0	60.2	49.5	45.0
1-2 AM	79	0.0	1500	79	0	0.34	0	60.2	49.7	45.1
2-3 AM	71	0.0	1500	71	0	0.34	0	60.2	49.7	45.2
3-4 AM	72	0.0	1500	72	0	0.34	0	60.2	49.7	45.2
4-5 AM	148	0.0	1500	148	0	0.35	0	60.2	49.4	44.9
5-6 AM	528	0.0	OFF	528	0	0.00	0	60.2	60.2	60.2
6-7 AM	1650	0.0	OFF	1650	0	0.00	0	60.2	60.2	60.2
7-8 AM	2800	0.0	OFF	2800	0	0.00	0	57.8	57.8	57.8
8-9 AM	2159	0.0	OFF	2159	0	0.00	0	60.2	60.2	60.2
9-10 AM	1439	0.0	OFF	1439	0	0.00	0	60.2	60.2	60.2
10-11 AM	1378	0.0	OFF	1378	0	0.00	0	60.2	60.2	60.2
11AM-NOON	1476	0.0	OFF	1476	0	0.00	0	60.2	60.2	60.2
NOON-1PM	1559	0.0	OFF	1559	0	0.00	0	60.2	60.2	60.2
1-2 PM	1487	0.0	OFF	1487	0	0.00	0	60.2	60.2	60.2
2-3 PM	1582	0.0	OFF	1582	0	0.00	0	60.2	60.2	60.2
3-4 PM	1955	0.0	OFF	1955	0	0.00	0	60.2	60.2	60.2
4-5 PM	1957	0.0	OFF	1957	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	1448	0.0	OFF	1448	0	0.00	0	60.2	60.2	60.2
7-8 PM	1076	0.0	1500	1076	0	0.46	0	60.2	46.7	41.4
8-9 PM	898	0.0	1500	898	0	0.44	0	60.2	47.2	42.0
9-10 PM	681	0.0	1500	681	0	0.41	0	60.2	47.8	42.8
10-11 PM	436	0.0	1500	436	0	0.38	0	60.2	48.6	43.8
11PM-MID	277	0.0	1500	277	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	0.0069
MAIN ROUTE WITH WORKS	0.0066
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$345
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

