

USH 12/14: USH 14 TO OLD SAUK RD (DANE) CONTINUOUS (24 HOUR) 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	1500	398	0	0.38	0	60.2	48.7	43.9	
6-7 AM	1102	0.0	1499	1102	0	0.55	0	60.2	44.7	39.1	
7-8 AM	1791	0.0	1499	1791	0	5.28	138	60.2	15.2	30.8	
8-9 AM	1330	0.0	1499	1330	0	9.13	227	60.2	10.9	31.2	
9-10 AM	1108	0.0	1500	1108	0	0.88	19	60.2	38.9	40.1	
10-11 AM	1197	0.0	1500	1197	0	0.57	0	60.2	44.3	38.6	
11AM-NOON	1427	0.0	1499	1427	0	0.87	0	60.2	38.9	32.4	
NOON-1PM	1551	0.0	1499	1551	0	1.70	21	60.2	29.1	30.8	
1-2 PM	1556	0.0	1499	1556	0	3.68	74	60.2	18.2	30.8	
2-3 PM	1696	0.0	1500	1696	0	7.63	187	60.2	11.9	30.8	
3-4 PM	2129	0.0	1499	1662	467	16.43+	420	60.2	8.3	30.8	
4-5 PM	2849	0.0	1499	1485	1364	17.41+	449	57.3	8.0	30.8	
5-6 PM	2769	0.0	1500	1494	1275	17.33+	445	58.1	8.0	30.8	
6-7 PM	1751	0.0	1500	1495	256	17.05+	435	60.2	8.1	30.8	
7-8 PM	1254	0.0	1499	1254	0	13.19+	339	60.2	9.1	31.1	
8-9 PM	1024	0.0	1500	1024	0	1.31	45	60.2	33.3	39.6	
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	

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

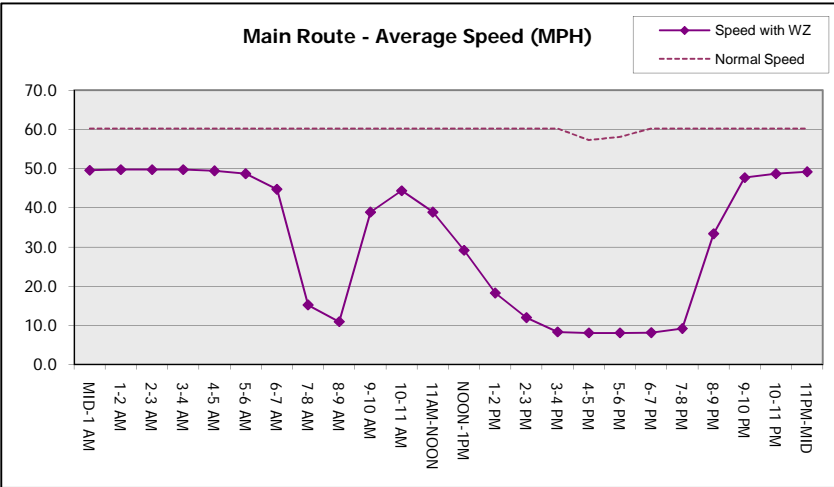
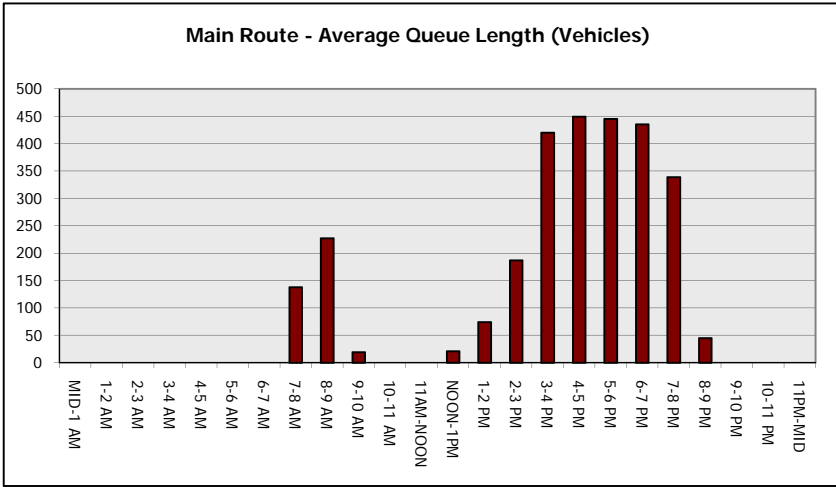
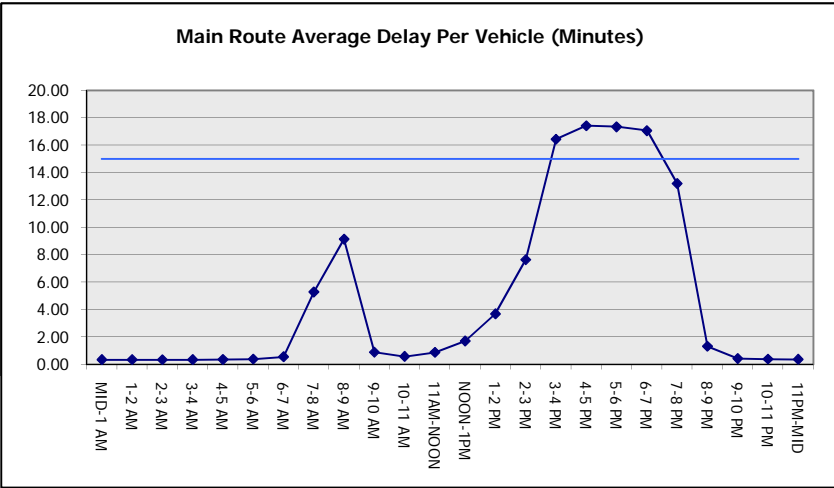
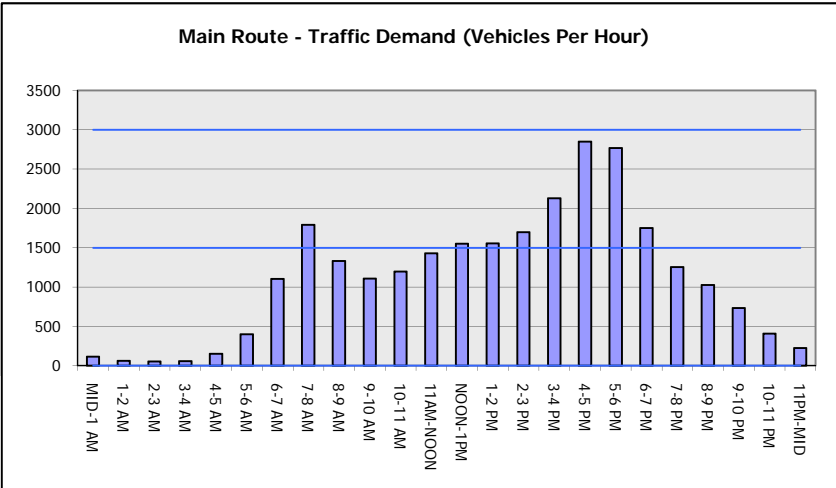
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0068
MAIN ROUTE WITH WORKS	0.0044
'DIVERSION'	0.0020
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$50,070
CONGESTED HOURS PER DAY*	5

*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) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	1500	528	0	0.39	0	60.2	48.3	43.4
6-7 AM	1650	0.0	1499	1650	0	1.92	54	60.2	27.6	32.3
7-8 AM	2800	0.0	1499	1739	1061	16.46+	425	57.8	8.2	30.8
8-9 AM	2159	0.0	1500	1496	663	17.11+	437	60.2	8.1	30.8
9-10 AM	1439	0.0	1499	1395	44	16.02+	408	60.2	8.3	30.8
10-11 AM	1378	0.0	1500	1378	0	11.42	285	60.2	9.7	30.8
11AM-NOON	1476	0.0	1500	1476	0	8.63	207	60.2	11.1	30.8
NOON-1PM	1559	0.0	1500	1559	0	9.47	230	60.2	10.6	30.8
1-2 PM	1487	0.0	1499	1487	0	10.34	253	60.2	10.1	30.8
2-3 PM	1582	0.0	1500	1582	0	11.07	274	60.2	9.8	30.8
3-4 PM	1955	0.0	1499	1620	335	16.56+	423	60.2	8.2	30.8
4-5 PM	1957	0.0	1499	1497	460	17.09+	436	60.2	8.1	30.8
5-6 PM	1881	0.0	1499	1498	383	17.08+	436	60.2	8.1	30.8
6-7 PM	1448	0.0	1499	1415	34	16.29+	415	60.2	8.3	30.8
7-8 PM	1076	0.0	1499	1076	0	4.34	168	60.2	18.3	36.1
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

+ 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	0.0069
MAIN ROUTE WITH WORKS	0.0046
'DIVERSION'	0.0018

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$68,849
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

