

USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR SOUTHBOUND 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	544	0.0	1500	544	0	0.54	0	70.0	52.7	43.3	
1-2 AM	758	0.0	1500	758	0	0.56	0	69.8	52.0	42.5	
2-3 AM	1792	0.0	1499	1792	0	2.47	74	68.5	27.6	30.9	
3-4 AM	3175	0.0	1499	1536	1639	16.96+	419	66.8	7.3	32.8	
4-5 AM	3603	0.0	1500	1516	2087	17.09+	421	66.3	7.3	31.4	
5-6 AM	4271	0.0	OFF	4271	0	0.43	35	61.7	50.1	50.1	
6-7 AM	5051	0.0	OFF	5051	0	0.00	0	56.3	56.3	56.3	
7-8 AM	5052	0.0	OFF	5052	0	0.00	0	56.3	56.3	56.3	
8-9 AM	4578	0.0	OFF	4578	0	0.00	0	59.6	59.6	59.6	
9-10 AM	4158	0.0	OFF	4158	0	0.00	0	62.5	62.5	62.5	
10-11 AM	4298	0.0	OFF	4298	0	0.00	0	61.5	61.5	61.5	
11AM-NOON	4908	0.0	OFF	4908	0	0.00	0	57.3	57.3	57.3	
NOON-1PM	4787	0.0	OFF	4787	0	0.00	0	58.1	58.1	58.1	
1-2 PM	4512	0.0	OFF	4512	0	0.00	0	60.1	60.1	60.1	
2-3 PM	4772	0.0	OFF	4772	0	0.00	0	58.2	58.2	58.2	
3-4 PM	4466	0.0	OFF	4466	0	0.00	0	60.4	60.4	60.4	
4-5 PM	3613	0.0	OFF	3613	0	0.00	0	66.2	66.2	66.2	
5-6 PM	3228	0.0	OFF	3228	0	0.00	0	66.7	66.7	66.7	
6-7 PM	2606	0.0	OFF	2606	0	0.00	0	67.5	67.5	67.5	
7-8 PM	2004	0.0	1499	1929	75	10.43+	275	68.2	10.2	30.8	
8-9 PM	1507	0.0	1500	1443	64	16.60+	405	68.9	7.5	30.8	
9-10 PM	1109	0.0	1499	1109	0	6.11	196	69.4	15.2	34.8	
10-11 PM	879	0.0	1500	879	0	0.57	0	69.6	51.5	42.1	
11PM-MID	617	0.0	1500	617	0	0.55	0	70.0	52.4	43.0	

"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	0.0231
MAIN ROUTE WITH WORKS	0.0211
'DIVERSION'	0.0027
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$35,733
CONGESTED HOURS PER DAY*	4

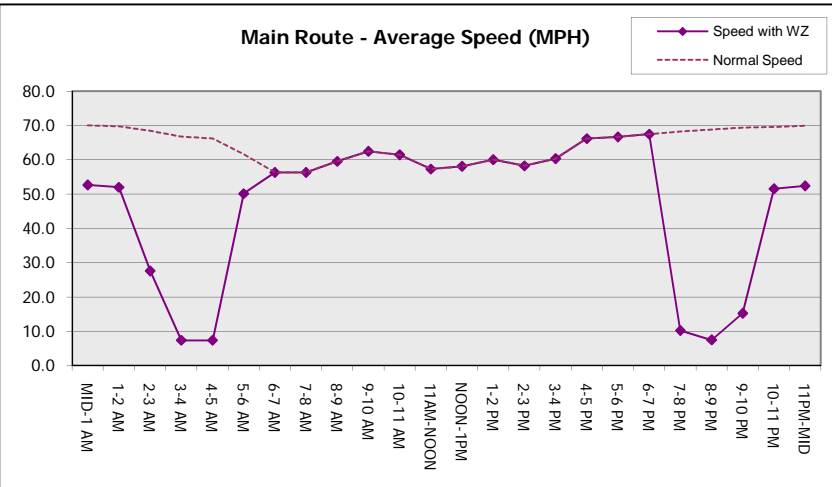
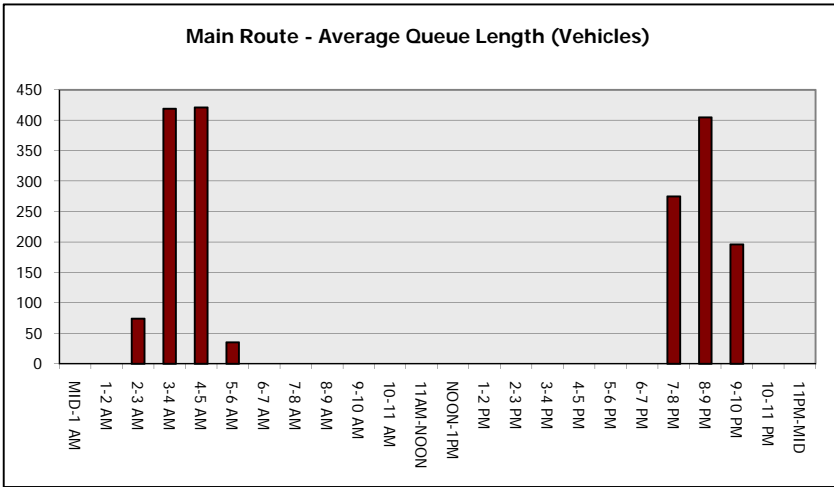
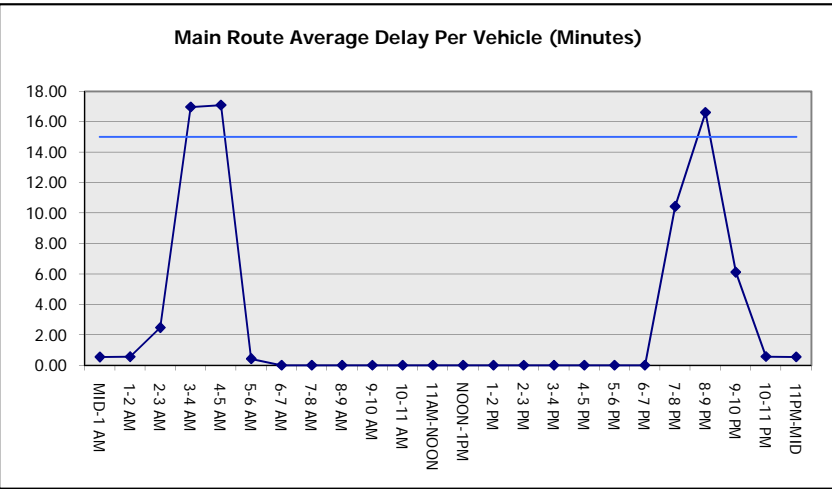
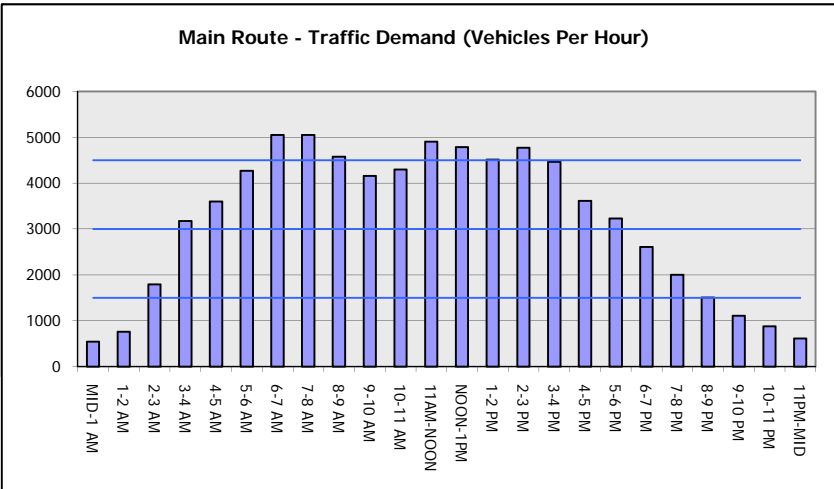
*Delays Exceeding User-Specified Maximum

USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY)
NIGHTTIME 2 LANE CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR SOUTHBOUND DIRECTION



USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR NORTHBOUND 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	1323	0.0	1499	1323	0	10.97	263	69.1	9.5	30.8
1-2 AM	1684	0.0	1500	1684	0	9.57	229	68.6	10.4	30.8
2-3 AM	2767	0.0	1499	1522	1245	17.03+	418	67.3	7.3	30.8
3-4 AM	3781	0.0	1499	1500	2281	17.16+	423	65.0	7.3	30.8
4-5 AM	4476	0.0	1500	1500	2976	16.99+	423	60.3	7.3	30.8
5-6 AM	4827	0.0	OFF	4827	0	0.74	64	57.9	42.1	42.1
6-7 AM	5189	0.0	OFF	5189	0	0.00	0	55.4	55.4	55.4
7-8 AM	5230	0.0	OFF	5230	0	0.00	0	55.1	55.1	55.1
8-9 AM	4718	0.0	OFF	4718	0	0.00	0	58.6	58.6	58.6
9-10 AM	4486	0.0	OFF	4486	0	0.00	0	60.2	60.2	60.2
10-11 AM	4704	0.0	OFF	4704	0	0.00	0	58.7	58.7	58.7
11AM-NOON	5179	0.0	OFF	5179	0	0.00	0	55.5	55.5	55.5
NOON-1PM	5650	0.0	OFF	5650	0	0.00	0	52.2	52.2	52.2
1-2 PM	5883	0.0	OFF	5883	0	0.00	0	50.7	50.7	50.7
2-3 PM	5845	0.0	OFF	5845	0	0.00	0	50.9	50.9	50.9
3-4 PM	5066	0.0	OFF	5066	0	0.00	0	56.3	56.3	56.3
4-5 PM	4678	0.0	OFF	4678	0	0.00	0	58.9	58.9	58.9
5-6 PM	4286	0.0	OFF	4286	0	0.00	0	61.5	61.5	61.5
6-7 PM	3531	0.0	OFF	3531	0	0.00	0	66.3	66.3	66.3
7-8 PM	2852	0.0	1499	1597	1255	16.02+	399	67.2	7.6	36.3
8-9 PM	2354	0.0	1500	1769	585	14.34+	365	67.8	8.2	32.7
9-10 PM	2126	0.0	1499	1504	622	16.91+	414	68.1	7.3	30.8
10-11 PM	1686	0.0	1500	1539	147	16.72+	409	68.6	7.4	30.8
11PM-MID	1450	0.0	1500	1450	0	16.20+	395	68.9	7.5	30.8

"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	0.0284
MAIN ROUTE WITH WORKS	0.0246
'DIVERSION'	0.0064

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$79,073
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

**USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY)
NIGHTTIME 2 LANE CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

MAY
Analyzed for 2009
Construction Season

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

