

USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY) NIGHTTIME 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	3000	544	0	0.36	0	70.0	57.4	49.7
1-2 AM	758	0.0	3000	758	0	0.35	0	69.8	57.3	49.7
2-3 AM	1792	0.0	3000	1792	0	0.34	0	68.5	56.9	49.7
3-4 AM	3175	0.0	2999	3175	0	1.36	50	66.8	37.2	37.6
4-5 AM	3603	0.0	3000	3603	0	8.69	467	66.3	13.4	37.3
5-6 AM	4271	0.0	OFF	4271	0	2.05	186	61.7	29.2	29.2
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	3000	2004	0	0.33	0	68.2	56.9	49.7
8-9 PM	1507	0.0	3000	1507	0	0.34	0	68.9	57.1	49.7
9-10 PM	1109	0.0	3000	1109	0	0.35	0	69.4	57.2	49.7
10-11 PM	879	0.0	3000	879	0	0.35	0	69.6	57.3	49.7
11PM-MID	617	0.0	3000	617	0	0.36	0	70.0	57.4	49.7

"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

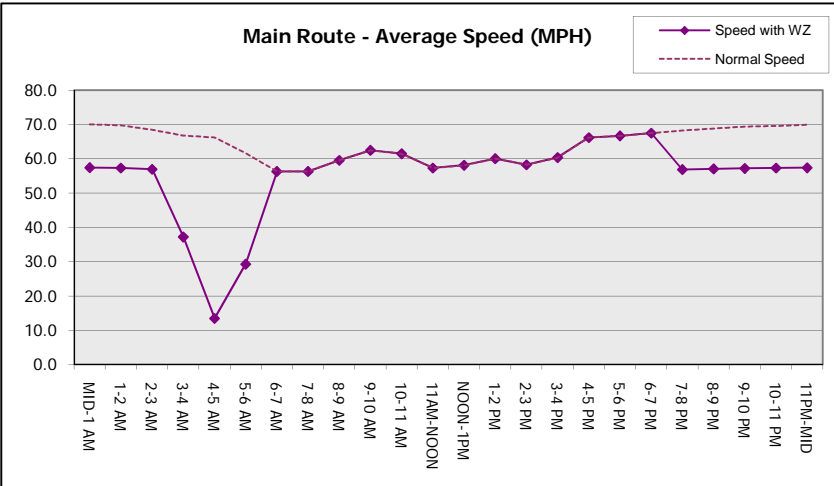
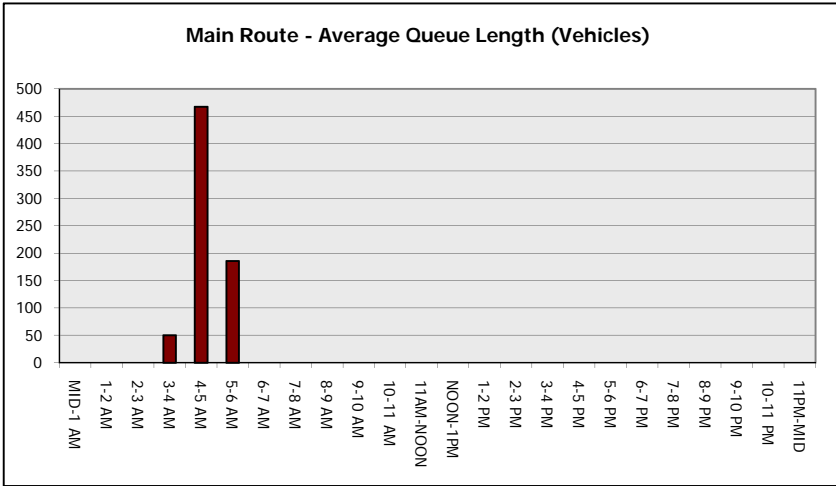
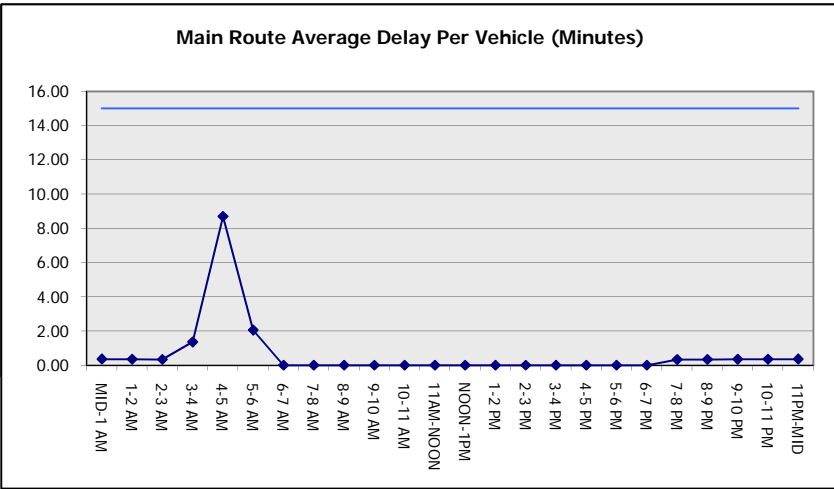
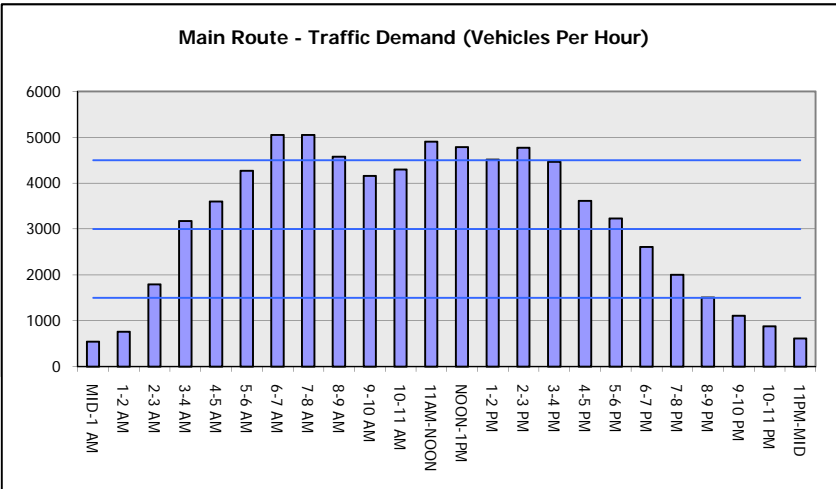
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0231
MAIN ROUTE WITH WORKS	0.0220
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$6,781
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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



USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	3000	1323	0	0.35	0	69.1	57.1	49.7
1-2 AM	1684	0.0	3000	1684	0	0.34	0	68.6	57.0	49.7
2-3 AM	2767	0.0	2999	2767	0	0.61	3	67.3	49.5	42.0
3-4 AM	3781	0.0	3000	3781	0	5.88	351	65.0	17.0	37.3
4-5 AM	4476	0.0	2999	3170	1306	17.51+	944	60.3	9.8	37.3
5-6 AM	4827	0.0	OFF	4827	0	4.23	397	57.9	18.4	18.4
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	3000	2852	0	0.63	0	67.2	48.9	39.6
8-9 PM	2354	0.0	3000	2354	0	0.33	0	67.8	56.7	49.7
9-10 PM	2126	0.0	3000	2126	0	0.33	0	68.1	56.8	49.7
10-11 PM	1686	0.0	3000	1686	0	0.34	0	68.6	57.0	49.7
11PM-MID	1450	0.0	3000	1450	0	0.34	0	68.9	57.1	49.7

"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	0.0284
MAIN ROUTE WITH WORKS	0.0264
'DIVERSION'	0.0009

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$18,269
CONGESTED HOURS PER DAY*	1

*Delays Exceeding User-Specified Maximum

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