

USH 45: STH 145 TO CTH E (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	345	0.0	3000	345	0	0.36	0	70.2	59.3	49.7
1-2 AM	223	0.0	3000	223	0	0.36	0	70.2	59.3	49.7
2-3 AM	224	0.0	3000	224	0	0.36	0	70.2	59.3	49.7
3-4 AM	348	0.0	3000	348	0	0.36	0	70.2	59.3	49.7
4-5 AM	695	0.0	3000	695	0	0.36	0	69.9	59.2	49.7
5-6 AM	2134	0.0	OFF	2134	0	0.00	0	68.1	68.1	68.1
6-7 AM	4533	0.0	OFF	4533	0	0.00	0	59.9	59.9	59.9
7-8 AM	5538	0.0	OFF	5538	0	0.00	0	53.0	53.0	53.0
8-9 AM	4385	0.0	OFF	4385	0	0.00	0	60.9	60.9	60.9
9-10 AM	3346	0.0	OFF	3346	0	0.00	0	66.6	66.6	66.6
10-11 AM	3242	0.0	OFF	3242	0	0.00	0	66.7	66.7	66.7
11AM-NOON	3367	0.0	OFF	3367	0	0.00	0	66.6	66.6	66.6
NOON-1PM	3354	0.0	OFF	3354	0	0.00	0	66.6	66.6	66.6
1-2 PM	3366	0.0	OFF	3366	0	0.00	0	66.6	66.6	66.6
2-3 PM	3991	0.0	OFF	3991	0	0.00	0	63.6	63.6	63.6
3-4 PM	4463	0.0	OFF	4463	0	0.00	0	60.4	60.4	60.4
4-5 PM	4386	0.0	OFF	4386	0	0.00	0	60.9	60.9	60.9
5-6 PM	4262	0.0	OFF	4262	0	0.00	0	61.7	61.7	61.7
6-7 PM	3096	0.0	OFF	3096	0	0.00	0	66.9	66.9	66.9
7-8 PM	2104	0.0	3000	2104	0	0.33	0	68.1	58.5	49.7
8-9 PM	1746	0.0	3000	1746	0	0.34	0	68.6	58.7	49.7
9-10 PM	1452	0.0	3000	1452	0	0.34	0	68.9	58.8	49.7
10-11 PM	1053	0.0	3000	1053	0	0.35	0	69.4	59.1	49.7
11PM-MID	875	0.0	3000	875	0	0.35	0	69.7	59.1	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

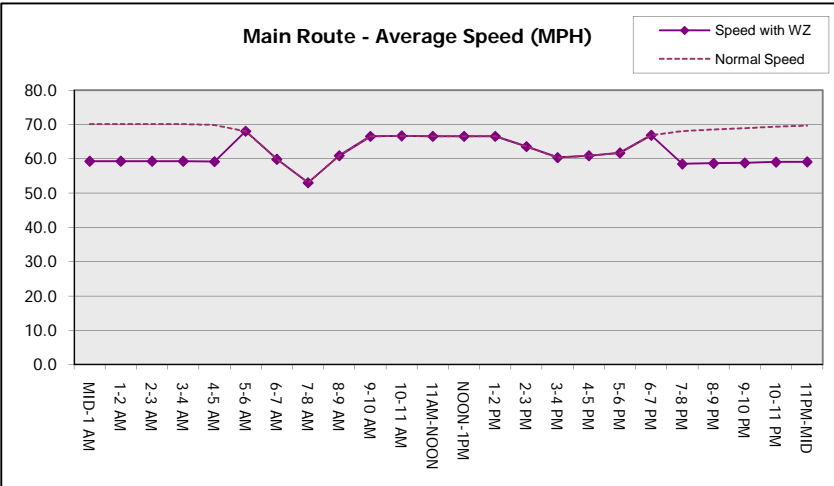
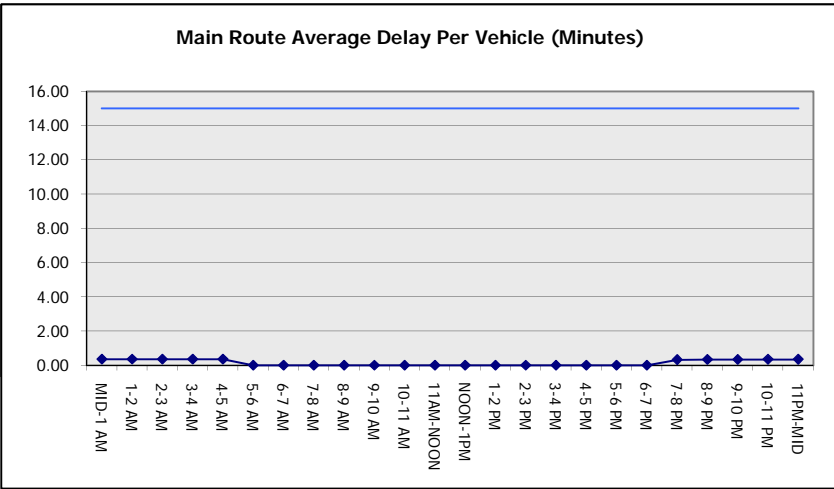
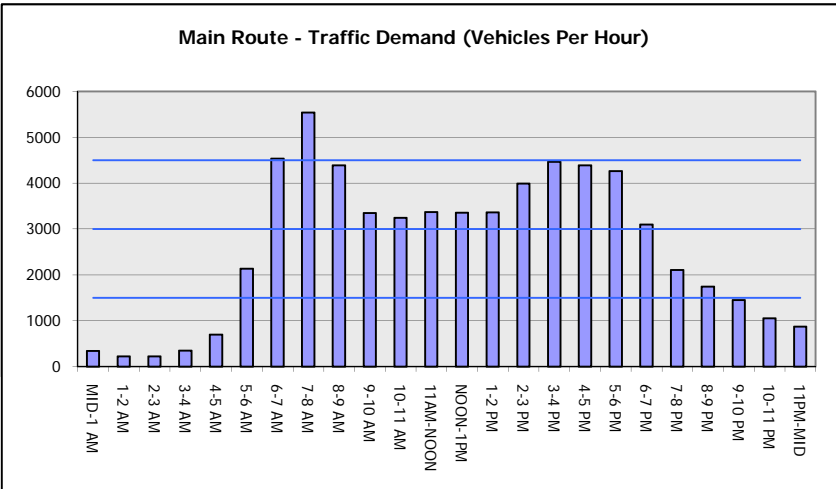
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0229
MAIN ROUTE WITH WORKS	0.0223
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$620
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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



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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	431	0.0	3000	431	0	0.36	0	70.2	59.3	49.7
1-2 AM	291	0.0	3000	291	0	0.36	0	70.2	59.3	49.7
2-3 AM	254	0.0	3000	254	0	0.36	0	70.2	59.3	49.7
3-4 AM	314	0.0	3000	314	0	0.36	0	70.2	59.3	49.7
4-5 AM	608	0.0	3000	608	0	0.36	0	70.0	59.2	49.7
5-6 AM	1935	0.0	OFF	1935	0	0.00	0	68.3	68.3	68.3
6-7 AM	3702	0.0	OFF	3702	0	0.00	0	65.6	65.6	65.6
7-8 AM	4603	0.0	OFF	4603	0	0.00	0	59.4	59.4	59.4
8-9 AM	3959	0.0	OFF	3959	0	0.00	0	63.8	63.8	63.8
9-10 AM	2933	0.0	OFF	2933	0	0.00	0	67.1	67.1	67.1
10-11 AM	2811	0.0	OFF	2811	0	0.00	0	67.3	67.3	67.3
11AM-NOON	3038	0.0	OFF	3038	0	0.00	0	66.9	66.9	66.9
NOON-1PM	3216	0.0	OFF	3216	0	0.00	0	66.8	66.8	66.8
1-2 PM	3441	0.0	OFF	3441	0	0.00	0	66.4	66.4	66.4
2-3 PM	4213	0.0	OFF	4213	0	0.00	0	62.1	62.1	62.1
3-4 PM	5022	0.0	OFF	5022	0	0.00	0	56.6	56.6	56.6
4-5 PM	5640	0.0	OFF	5640	0	0.00	0	52.4	52.4	52.4
5-6 PM	5573	0.0	OFF	5573	0	0.00	0	52.8	52.8	52.8
6-7 PM	3441	0.0	OFF	3441	0	0.00	0	66.4	66.4	66.4
7-8 PM	2353	0.0	3000	2353	0	0.33	0	67.8	58.4	49.7
8-9 PM	2053	0.0	3000	2053	0	0.33	0	68.2	58.5	49.7
9-10 PM	1853	0.0	3000	1853	0	0.34	0	68.4	58.6	49.7
10-11 PM	1520	0.0	3000	1520	0	0.34	0	68.9	58.8	49.7
11PM-MID	852	0.0	3000	852	0	0.35	0	69.7	59.1	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	0.0234
MAIN ROUTE WITH WORKS	0.0227
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$713
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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