

**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
FRIDAY 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	415	0.0	3000	415	0	0.36	0	70.2	59.3	49.7
1-2 AM	272	0.0	3000	272	0	0.36	0	70.2	59.3	49.7
2-3 AM	258	0.0	3000	258	0	0.36	0	70.2	59.3	49.7
3-4 AM	361	0.0	3000	361	0	0.36	0	70.2	59.3	49.7
4-5 AM	723	0.0	3000	723	0	0.35	0	69.9	59.2	49.7
5-6 AM	2116	0.0	OFF	2116	0	0.00	0	68.1	68.1	68.1
6-7 AM	4338	0.0	OFF	4338	0	0.00	0	61.2	61.2	61.2
7-8 AM	5600	0.0	OFF	5600	0	0.00	0	52.6	52.6	52.6
8-9 AM	4333	0.0	OFF	4333	0	0.00	0	61.2	61.2	61.2
9-10 AM	3498	0.0	OFF	3498	0	0.00	0	66.4	66.4	66.4
10-11 AM	3392	0.0	OFF	3392	0	0.00	0	66.5	66.5	66.5
11AM-NOON	3633	0.0	OFF	3633	0	0.00	0	66.0	66.0	66.0
NOON-1PM	3725	0.0	OFF	3725	0	0.00	0	65.4	65.4	65.4
1-2 PM	3633	0.0	OFF	3633	0	0.00	0	66.0	66.0	66.0
2-3 PM	4322	0.0	OFF	4322	0	0.00	0	61.4	61.4	61.4
3-4 PM	4753	0.0	OFF	4753	0	0.00	0	58.4	58.4	58.4
4-5 PM	4691	0.0	OFF	4691	0	0.00	0	58.8	58.8	58.8
5-6 PM	4437	0.0	OFF	4437	0	0.00	0	60.5	60.5	60.5
6-7 PM	3422	0.0	OFF	3422	0	0.00	0	66.5	66.5	66.5
7-8 PM	2386	0.0	3000	2386	0	0.33	0	67.8	58.4	49.7
8-9 PM	1764	0.0	3000	1764	0	0.34	0	68.6	58.7	49.7
9-10 PM	1649	0.0	3000	1649	0	0.34	0	68.7	58.7	49.7
10-11 PM	1326	0.0	3000	1326	0	0.35	0	69.1	58.9	49.7
11PM-MID	1118	0.0	3000	1118	0	0.35	0	69.4	59.0	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

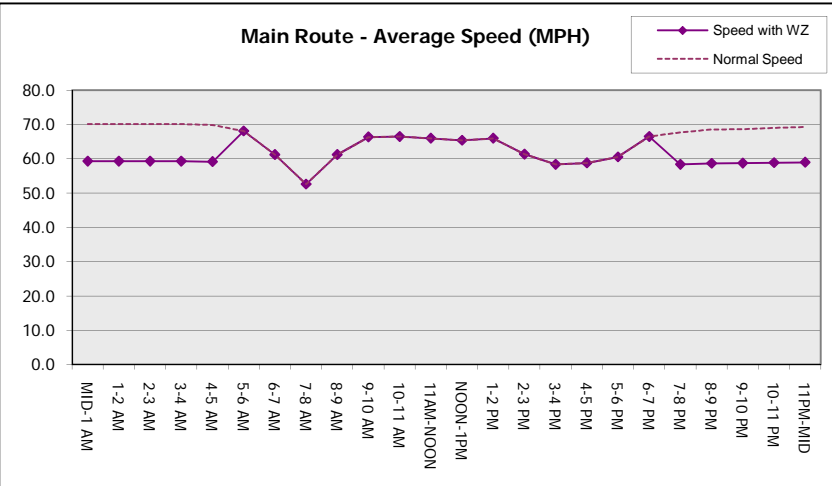
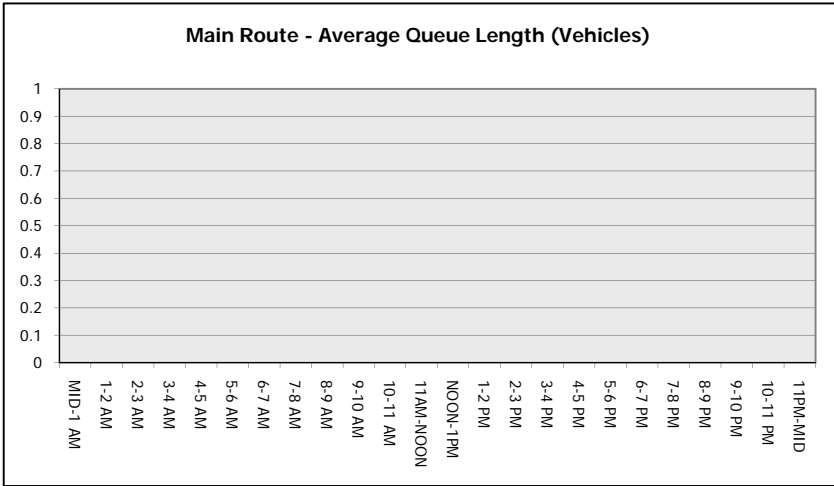
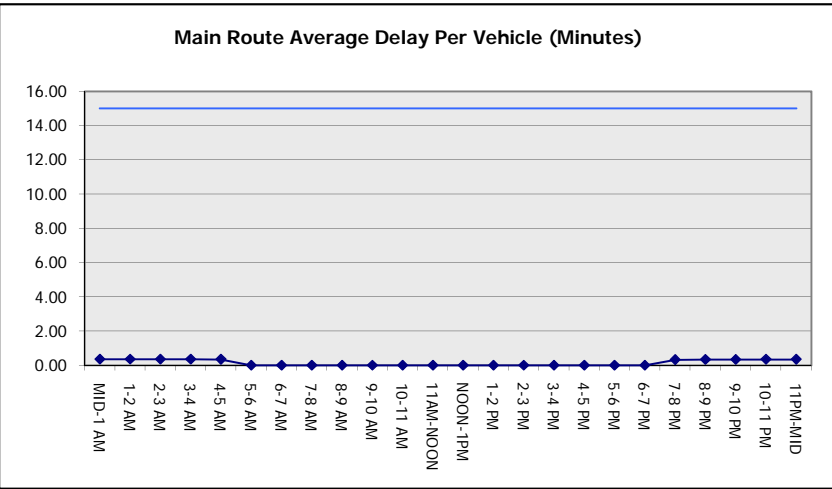
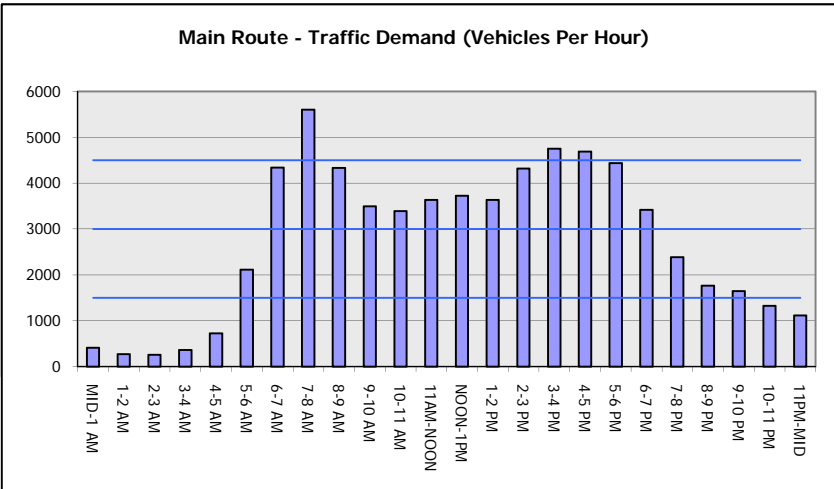
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0242
MAIN ROUTE WITH WORKS	0.0235
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$727
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

**USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY)
NIGHTTIME CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

MAY
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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

FRIDAY 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	585	0.0	3000	585	0	0.36	0	70.0	59.2	49.7
1-2 AM	374	0.0	3000	374	0	0.36	0	70.2	59.3	49.7
2-3 AM	323	0.0	3000	323	0	0.36	0	70.2	59.3	49.7
3-4 AM	373	0.0	3000	373	0	0.36	0	70.2	59.3	49.7
4-5 AM	667	0.0	3000	667	0	0.36	0	69.9	59.2	49.7
5-6 AM	1955	0.0	OFF	1955	0	0.00	0	68.3	68.3	68.3
6-7 AM	3849	0.0	OFF	3849	0	0.00	0	64.6	64.6	64.6
7-8 AM	4705	0.0	OFF	4705	0	0.00	0	58.7	58.7	58.7
8-9 AM	3889	0.0	OFF	3889	0	0.00	0	64.3	64.3	64.3
9-10 AM	3394	0.0	OFF	3394	0	0.00	0	66.5	66.5	66.5
10-11 AM	3309	0.0	OFF	3309	0	0.00	0	66.6	66.6	66.6
11AM-NOON	3618	0.0	OFF	3618	0	0.00	0	66.1	66.1	66.1
NOON-1PM	3893	0.0	OFF	3893	0	0.00	0	64.3	64.3	64.3
1-2 PM	4211	0.0	OFF	4211	0	0.00	0	62.1	62.1	62.1
2-3 PM	4913	0.0	OFF	4913	0	0.00	0	57.3	57.3	57.3
3-4 PM	5606	0.0	OFF	5606	0	0.00	0	52.5	52.5	52.5
4-5 PM	6129	0.0	OFF	6129	0	0.00	0	49.0	49.0	49.0
5-6 PM	5744	0.0	OFF	5744	0	0.00	0	51.6	51.6	51.6
6-7 PM	4024	0.0	OFF	4024	0	0.00	0	63.3	63.3	63.3
7-8 PM	2784	0.0	2999	2784	0	0.59	0	67.3	52.4	41.2
8-9 PM	2273	0.0	3000	2273	0	0.33	0	67.9	58.4	49.7
9-10 PM	2252	0.0	3000	2252	0	0.33	0	67.9	58.4	49.7
10-11 PM	2031	0.0	3000	2031	0	0.33	0	68.2	58.6	49.7
11PM-MID	1350	0.0	3000	1350	0	0.35	0	69.1	58.9	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	0.0264
MAIN ROUTE WITH WORKS	0.0256
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,055
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

**USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY)
NIGHTTIME CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

MAY
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

