

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

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	879	0.0	3000	879	0	0.35	0	69.6	57.3	49.7
1-2 AM	510	0.0	3000	510	0	0.36	0	70.1	57.4	49.7
2-3 AM	459	0.0	3000	459	0	0.36	0	70.2	57.4	49.7
3-4 AM	377	0.0	3000	377	0	0.36	0	70.2	57.4	49.7
4-5 AM	467	0.0	3000	467	0	0.36	0	70.2	57.4	49.7
5-6 AM	935	0.0	3000	935	0	0.35	0	69.6	57.3	49.7
6-7 AM	1622	0.0	3000	1622	0	0.34	0	68.7	57.0	49.7
7-8 AM	2205	0.0	3000	2205	0	0.33	0	68.0	56.8	49.7
8-9 AM	2701	0.0	OFF	2701	0	0.00	0	67.4	67.4	67.4
9-10 AM	3404	0.0	OFF	3404	0	0.00	0	66.5	66.5	66.5
10-11 AM	4095	0.0	OFF	4095	0	0.00	0	62.9	62.9	62.9
11AM-NOON	4560	0.0	OFF	4560	0	0.00	0	59.7	59.7	59.7
NOON-1PM	4846	0.0	OFF	4846	0	0.00	0	57.8	57.8	57.8
1-2 PM	4488	0.0	OFF	4488	0	0.00	0	60.2	60.2	60.2
2-3 PM	4525	0.0	OFF	4525	0	0.00	0	59.9	59.9	59.9
3-4 PM	4527	0.0	OFF	4527	0	0.00	0	59.9	59.9	59.9
4-5 PM	4309	0.0	OFF	4309	0	0.00	0	61.4	61.4	61.4
5-6 PM	3950	0.0	OFF	3950	0	0.00	0	63.9	63.9	63.9
6-7 PM	3310	0.0	2999	3310	0	3.90	192	66.6	20.8	37.3
7-8 PM	2747	0.0	2999	2747	0	4.28	212	67.3	19.6	38.5
8-9 PM	2379	0.0	3000	2379	0	0.40	3	67.8	54.8	48.6
9-10 PM	2081	0.0	3000	2081	0	0.33	0	68.1	56.8	49.7
10-11 PM	1870	0.0	3000	1870	0	0.34	0	68.4	56.9	49.7
11PM-MID	1473	0.0	3000	1473	0	0.34	0	68.9	57.1	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

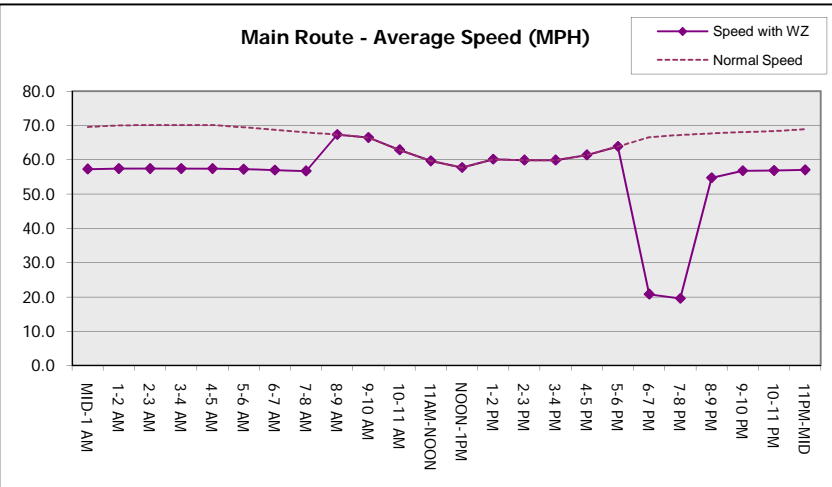
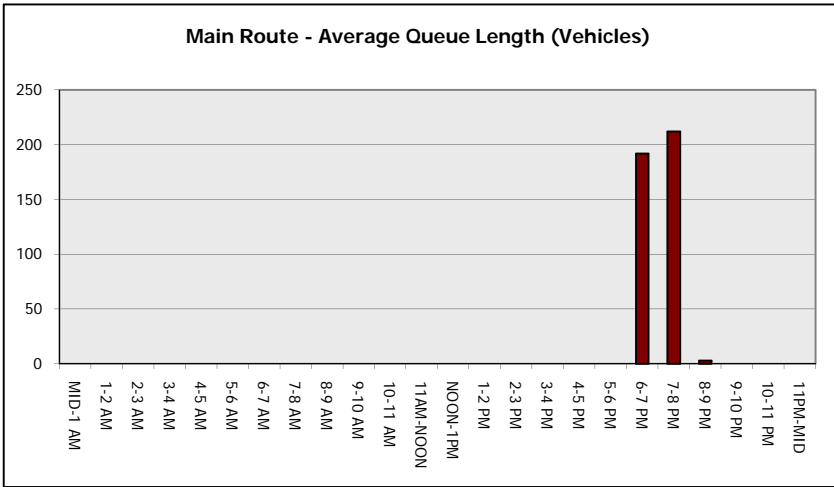
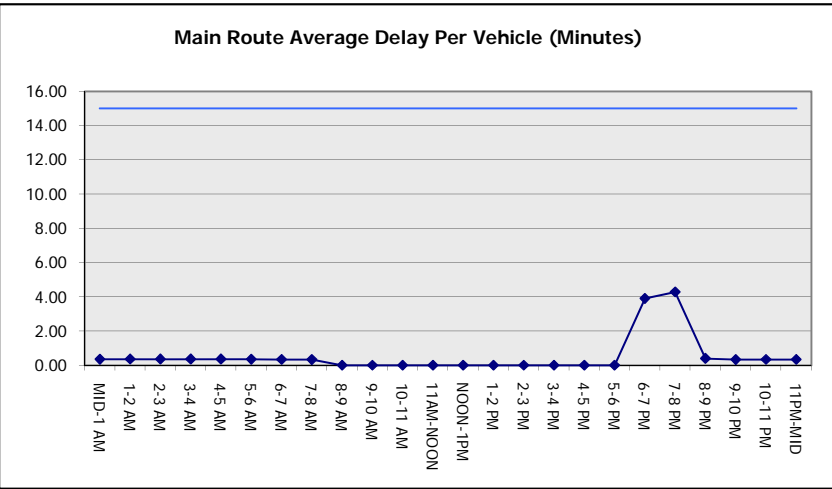
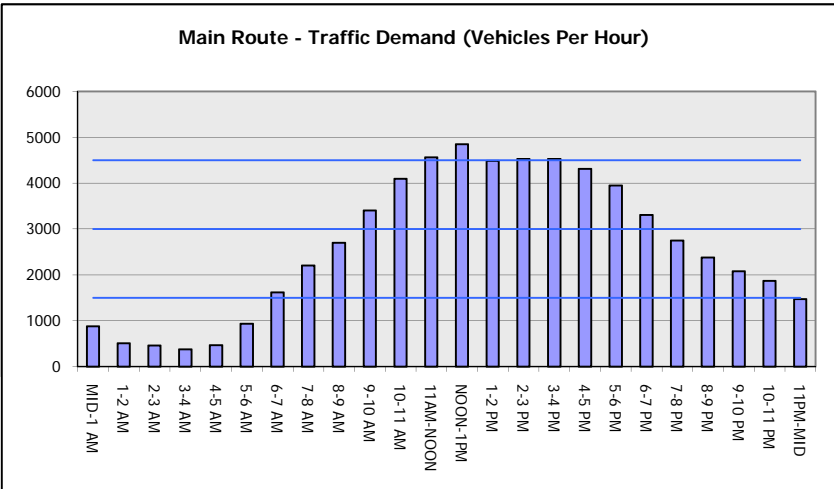
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0190
MAIN ROUTE WITH WORKS	0.0176
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$8,138
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	1388	0.0	3000	1388	0	0.34	0	69.0	57.1	49.7
1-2 AM	924	0.0	3000	924	0	0.35	0	69.6	57.3	49.7
2-3 AM	843	0.0	3000	843	0	0.35	0	69.7	57.3	49.7
3-4 AM	639	0.0	3000	639	0	0.36	0	69.9	57.4	49.7
4-5 AM	853	0.0	3000	853	0	0.35	0	69.7	57.3	49.7
5-6 AM	1292	0.0	3000	1292	0	0.35	0	69.1	57.1	49.7
6-7 AM	1945	0.0	3000	1945	0	0.34	0	68.3	56.9	49.7
7-8 AM	2575	0.0	2999	2575	0	0.45	0	67.6	53.4	45.3
8-9 AM	3044	0.0	OFF	3044	0	0.00	0	66.9	66.9	66.9
9-10 AM	3432	0.0	OFF	3432	0	0.00	0	66.4	66.4	66.4
10-11 AM	3797	0.0	OFF	3797	0	0.00	0	64.9	64.9	64.9
11AM-NOON	4257	0.0	OFF	4257	0	0.00	0	61.8	61.8	61.8
NOON-1PM	4508	0.0	OFF	4508	0	0.00	0	60.1	60.1	60.1
1-2 PM	4458	0.0	OFF	4458	0	0.00	0	60.4	60.4	60.4
2-3 PM	4524	0.0	OFF	4524	0	0.00	0	59.9	59.9	59.9
3-4 PM	4507	0.0	OFF	4507	0	0.00	0	60.1	60.1	60.1
4-5 PM	4104	0.0	OFF	4104	0	0.00	0	62.8	62.8	62.8
5-6 PM	3828	0.0	OFF	3828	0	0.00	0	64.7	64.7	64.7
6-7 PM	3234	0.0	2999	3234	0	3.21	149	66.7	23.2	37.3
7-8 PM	2802	0.0	2999	2802	0	3.21	149	67.3	23.2	38.1
8-9 PM	2800	0.0	3000	2800	0	0.65	3	67.3	48.6	40.4
9-10 PM	2904	0.0	3000	2904	0	0.67	0	67.1	48.3	38.8
10-11 PM	2605	0.0	3000	2605	0	0.47	0	67.5	52.8	44.4
11PM-MID	2091	0.0	3000	2091	0	0.33	0	68.1	56.8	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	0.0204
MAIN ROUTE WITH WORKS	0.0186
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$7,850
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY NORTHBOUND DIRECTION

