

USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	362	0.0	1500	362	0	0.52	0	70.2	55.6	44.0	
1-2 AM	250	0.0	1500	250	0	0.50	0	70.2	55.9	44.5	
2-3 AM	253	0.0	1500	253	0	0.50	0	70.2	55.9	44.5	
3-4 AM	373	0.0	1500	373	0	0.52	0	70.2	55.5	44.0	
4-5 AM	772	0.0	1500	772	0	0.56	0	69.8	54.3	42.5	
5-6 AM	2222	0.0	1499	2089	133	6.27+	215	68.0	17.1	30.8	
6-7 AM	4558	0.0	1500	1424	3134	16.10+	407	59.7	8.1	34.7	
7-8 AM	5694	0.0	1500	1500	4194	16.02+	411	52.0	7.9	32.0	
8-9 AM	4583	0.0	1500	1498	3085	16.38+	411	59.6	7.9	32.0	
9-10 AM	3595	0.0	1499	1484	2111	16.61+	409	66.3	7.9	31.7	
10-11 AM	3456	0.0	1499	1484	1971	16.67+	409	66.4	7.9	30.9	
11AM-NOON	3453	0.0	1499	1488	1964	16.68+	410	66.4	7.9	30.8	
NOON-1PM	3388	0.0	1499	1490	1897	16.69+	410	66.5	7.9	30.8	
1-2 PM	3305	0.0	1499	1491	1814	16.70+	410	66.6	7.9	30.8	
2-3 PM	3821	0.0	1499	1500	2321	16.67+	411	64.8	7.9	30.8	
3-4 PM	4210	0.0	1500	1500	2710	16.57+	411	62.1	7.9	30.8	
4-5 PM	4108	0.0	1500	1500	2608	16.59+	411	62.8	7.9	30.8	
5-6 PM	3932	0.0	1500	1500	2432	16.64+	411	64.0	7.9	30.8	
6-7 PM	2937	0.0	1499	1490	1447	16.68+	409	67.1	7.9	30.8	
7-8 PM	2059	0.0	1499	1499	560	16.62+	406	68.2	7.9	30.8	
8-9 PM	1732	0.0	1499	1468	264	16.50+	403	68.6	8.0	30.8	
9-10 PM	1421	0.0	1499	1419	2	15.83+	386	69.0	8.2	30.8	
10-11 PM	1067	0.0	1499	1067	0	3.46	136	69.4	25.3	37.0	
11PM-MID	919	0.0	1500	919	0	0.58	0	69.6	53.8	42.0	

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

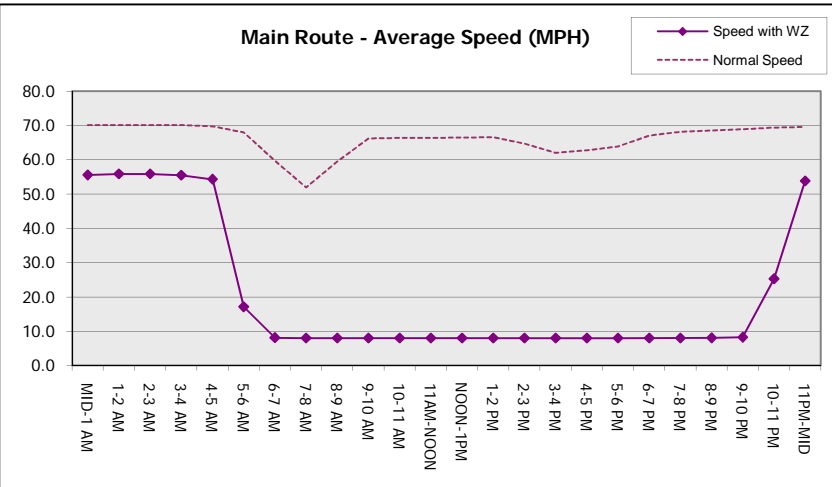
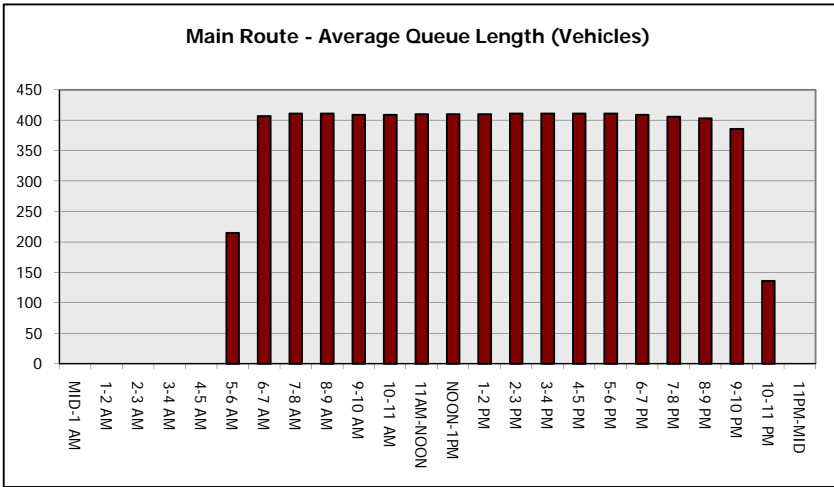
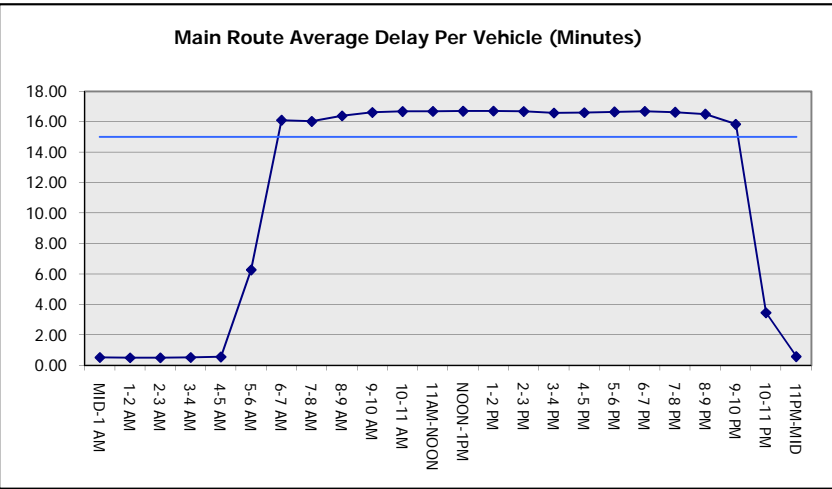
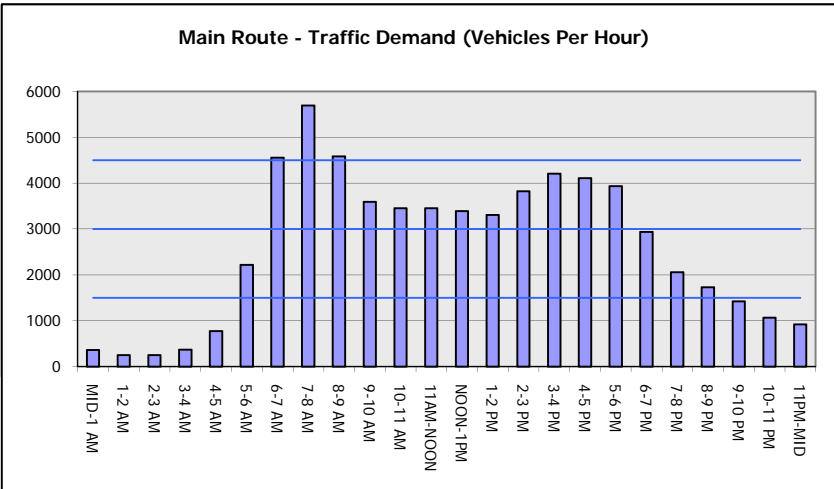
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0229
MAIN ROUTE WITH WORKS	0.0089
'DIVERSION'	0.0277
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$206,804
CONGESTED HOURS PER DAY*	17

*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	537	0.0	1500	537	0	0.54	0	70.0	55.0	43.3
1-2 AM	331	0.0	1500	331	0	0.51	0	70.2	55.6	44.2
2-3 AM	281	0.0	1500	281	0	0.51	0	70.2	55.8	44.3
3-4 AM	326	0.0	1500	326	0	0.51	0	70.2	55.6	44.2
4-5 AM	660	0.0	1500	660	0	0.55	0	69.9	54.6	42.9
5-6 AM	1986	0.0	1499	1986	0	4.21	148	68.2	22.1	30.8
6-7 AM	3683	0.0	1499	1492	2191	16.67+	410	65.7	7.9	30.8
7-8 AM	4760	0.0	1500	1500	3260	16.41+	411	58.3	7.9	30.8
8-9 AM	3884	0.0	1500	1497	2387	16.64+	410	64.3	7.9	30.8
9-10 AM	3076	0.0	1499	1484	1592	16.68+	409	66.9	7.9	30.8
10-11 AM	3023	0.0	1499	1485	1538	16.69+	409	67.0	7.9	30.8
11AM-NOON	3166	0.0	1499	1492	1674	16.71+	410	66.8	7.9	30.8
NOON-1PM	3352	0.0	1499	1499	1853	16.72+	411	66.6	7.9	30.8
1-2 PM	3657	0.0	1500	1500	2157	16.70+	411	65.9	7.9	30.8
2-3 PM	4440	0.0	1500	1500	2940	16.50+	411	60.5	7.9	30.8
3-4 PM	5068	0.0	1500	1500	3568	16.31+	411	56.3	7.9	30.8
4-5 PM	5902	0.0	1500	1500	4402	16.01+	411	50.5	7.9	30.8
5-6 PM	5713	0.0	1500	1500	4213	16.09+	411	51.9	7.9	30.8
6-7 PM	3668	0.0	1500	1498	2169	16.70+	411	65.8	7.9	30.8
7-8 PM	2497	0.0	1499	1496	1001	16.63+	407	67.6	7.9	30.8
8-9 PM	2180	0.0	1499	1499	681	16.62+	406	68.0	7.9	30.8
9-10 PM	1970	0.0	1499	1499	471	16.62+	406	68.3	7.9	30.8
10-11 PM	1686	0.0	1499	1475	211	16.52+	404	68.6	8.0	30.8
11PM-MID	1075	0.0	1499	1075	0	6.82	226	69.4	15.8	35.6

+ 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	0.0245
MAIN ROUTE WITH WORKS	0.0092
'DIVERSION'	0.0308

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$225,982
CONGESTED HOURS PER DAY*	17

*Delays Exceeding User-Specified Maximum

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