

USH 45: STH 190 TO NORTH AVE (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 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	619	0.0	3000	619	0	0.36	0	70.0	58.4	49.7
1-2 AM	423	0.0	3000	423	0	0.36	0	70.2	58.5	49.7
2-3 AM	388	0.0	3000	388	0	0.36	0	70.2	58.5	49.7
3-4 AM	471	0.0	3000	471	0	0.36	0	70.2	58.4	49.7
4-5 AM	853	0.0	3000	853	0	0.35	0	69.7	58.3	49.7
5-6 AM	2452	0.0	2999	2452	0	0.51	0	67.7	53.2	43.6
6-7 AM	5092	0.0	2999	3828	1264	11.67+	680	56.1	12.0	37.3
7-8 AM	6055	0.0	2999	3000	3055	16.90+	953	49.5	10.0	37.5
8-9 AM	5431	0.0	3000	3036	2395	17.16+	948	53.8	10.0	37.4
9-10 AM	4648	0.0	3000	3076	1572	17.30+	936	59.1	10.1	37.3
10-11 AM	4368	0.0	3000	2984	1384	17.21+	925	61.0	10.1	37.3
11AM-NOON	4688	0.0	2999	3021	1666	17.53+	950	58.8	10.0	37.3
NOON-1PM	4570	0.0	3000	3000	1569	17.52+	946	59.6	10.0	37.3
1-2 PM	4644	0.0	3000	3001	1643	17.55+	949	59.1	10.0	37.3
2-3 PM	5178	0.0	3000	3000	2178	17.37+	953	55.5	10.0	37.3
3-4 PM	4504	0.0	3000	2977	1526	17.45+	941	60.1	10.1	37.3
4-5 PM	4189	0.0	2999	2974	1215	16.95+	907	62.2	10.2	37.3
5-6 PM	4021	0.0	3000	2998	1023	16.79+	894	63.4	10.2	37.3
6-7 PM	4255	0.0	2999	3002	1252	17.00+	911	61.8	10.1	37.3
7-8 PM	3073	0.0	3000	2928	145	16.59+	874	66.9	10.3	37.3
8-9 PM	2558	0.0	2999	2558	0	12.06+	635	67.6	11.8	37.3
9-10 PM	2120	0.0	2999	2120	0	1.27	96	68.1	40.5	47.8
10-11 PM	1652	0.0	3000	1652	0	0.34	0	68.7	57.9	49.7
11PM-MID	1281	0.0	3000	1281	0	0.35	0	69.1	58.1	49.7

+ 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

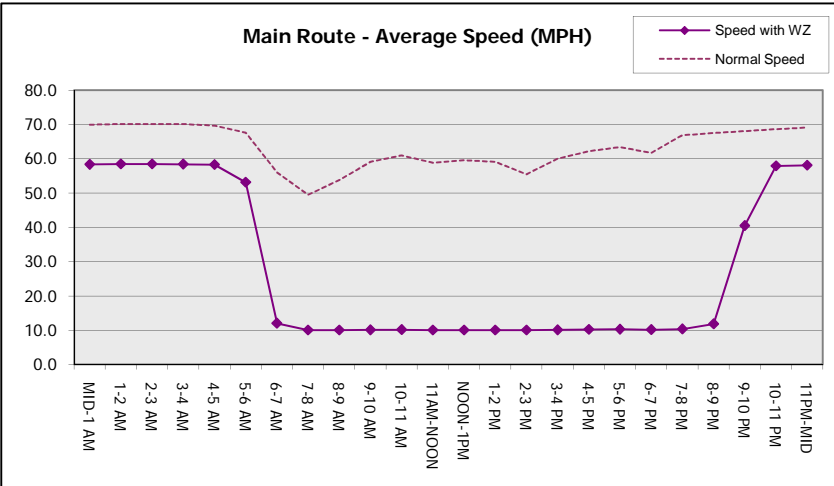
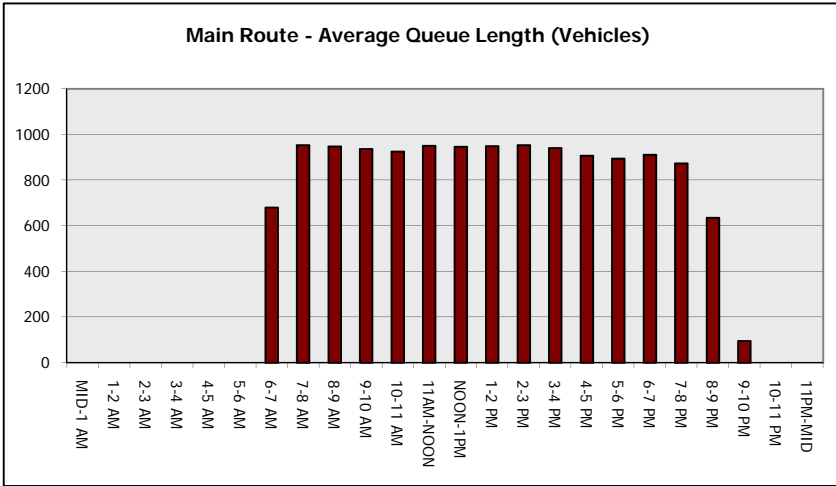
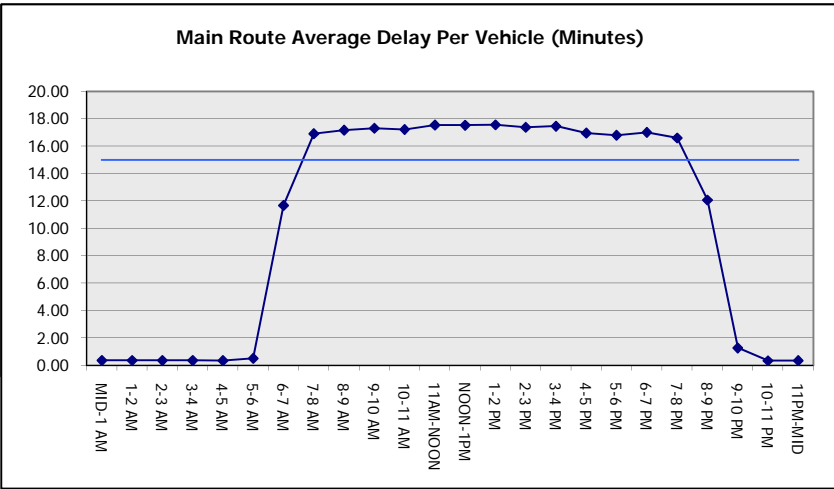
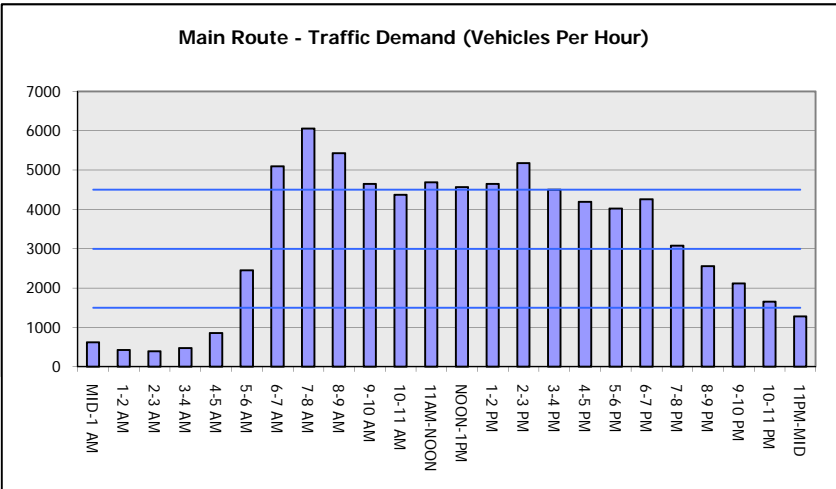
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0259
MAIN ROUTE WITH WORKS	0.0149
'DIVERSION'	0.0169
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$246,285
CONGESTED HOURS PER DAY*	15

*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	966	0.0	3000	966	0	0.35	0	69.6	58.2	49.7	
1-2 AM	667	0.0	3000	667	0	0.36	0	69.9	58.4	49.7	
2-3 AM	644	0.0	3000	644	0	0.36	0	69.9	58.4	49.7	
3-4 AM	697	0.0	3000	697	0	0.36	0	69.9	58.4	49.7	
4-5 AM	1290	0.0	3000	1290	0	0.35	0	69.1	58.1	49.7	
5-6 AM	3256	0.0	2999	3256	0	1.59	95	66.7	36.2	39.4	
6-7 AM	5373	0.0	3000	3635	1738	15.50+	866	54.2	10.4	37.3	
7-8 AM	6326	0.0	2999	3000	3326	16.75+	953	47.6	10.0	37.3	
8-9 AM	5307	0.0	3000	2963	2344	17.26+	950	54.6	10.0	37.3	
9-10 AM	4215	0.0	2999	2921	1293	17.14+	918	62.0	10.1	37.3	
10-11 AM	4128	0.0	2999	2998	1130	16.82+	898	62.7	10.2	37.3	
11AM-NOON	4440	0.0	2999	3036	1404	17.23+	927	60.5	10.1	37.3	
NOON-1PM	4468	0.0	3000	3007	1461	17.33+	934	60.4	10.1	37.3	
1-2 PM	4996	0.0	2999	3000	1996	17.46+	953	56.7	10.0	37.3	
2-3 PM	5629	0.0	3000	3000	2630	17.15+	953	52.4	10.0	37.3	
3-4 PM	5583	0.0	3000	3000	2583	17.17+	953	52.7	10.0	37.3	
4-5 PM	6398	0.0	3000	3000	3398	16.70+	953	47.1	10.0	37.3	
5-6 PM	6274	0.0	3000	3000	3274	16.78+	953	48.0	10.0	37.3	
6-7 PM	4596	0.0	3000	2966	1630	17.30+	935	59.4	10.1	37.3	
7-8 PM	3390	0.0	3000	2991	400	16.83+	888	66.5	10.2	37.3	
8-9 PM	3006	0.0	2999	2966	40	16.67+	878	67.0	10.3	37.3	
9-10 PM	3071	0.0	2999	3015	56	16.76+	883	66.9	10.2	37.3	
10-11 PM	2801	0.0	3000	2801	0	15.69+	825	67.3	10.6	37.3	
11PM-MID	1653	0.0	2999	1653	0	1.86	206	68.7	35.2	48.7	

+ 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	0.0298
MAIN ROUTE WITH WORKS	0.0162
'DIVERSION'	0.0222

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$298,690
CONGESTED HOURS PER DAY*	17

*Delays Exceeding User-Specified Maximum

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