

STH 441: RACINE ST TO USH 10 (CALUMET AND OUTAGAMIE COUNTIES) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY WESTBOUND 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	285	0.0	1500	285	0	0.45	0	65.8	56.0	44.3
1-2 AM	166	0.0	1500	166	0	0.44	0	66.1	56.4	44.8
2-3 AM	126	0.0	1500	126	0	0.43	0	66.1	56.5	45.0
3-4 AM	116	0.0	1500	116	0	0.43	0	66.2	56.5	45.0
4-5 AM	95	0.0	1500	95	0	0.43	0	66.2	56.6	45.1
5-6 AM	219	0.0	1500	219	0	0.44	0	66.0	56.2	44.6
6-7 AM	312	0.0	1500	312	0	0.45	0	65.8	55.9	44.2
7-8 AM	367	0.0	1500	367	0	0.46	0	65.7	55.7	44.0
8-9 AM	586	0.0	1500	586	0	0.48	0	65.3	55.0	43.2
9-10 AM	818	0.0	1500	818	0	0.50	0	64.8	54.3	42.4
10-11 AM	1113	0.0	1500	1113	0	0.53	0	64.3	53.5	41.3
11AM-NOON	1201	0.0	1500	1201	0	0.64	0	64.1	51.6	38.4
NOON-1PM	1362	0.0	1500	1362	0	0.85	0	63.8	48.3	33.9
1-2 PM	1252	0.0	1500	1252	0	0.70	0	64.0	50.5	36.9
2-3 PM	1174	0.0	1500	1174	0	0.60	0	64.2	52.2	39.3
3-4 PM	1222	0.0	1500	1222	0	0.66	0	64.1	51.1	37.8
4-5 PM	1132	0.0	1500	1132	0	0.55	0	64.3	53.1	40.7
5-6 PM	1084	0.0	1500	1084	0	0.53	0	64.3	53.5	41.4
6-7 PM	839	0.0	1500	839	0	0.50	0	64.8	54.3	42.2
7-8 PM	682	0.0	1500	682	0	0.49	0	65.1	54.8	42.8
8-9 PM	593	0.0	1500	593	0	0.48	0	65.3	55.0	43.2
9-10 PM	464	0.0	1500	464	0	0.47	0	65.5	55.4	43.7
10-11 PM	302	0.0	1500	302	0	0.45	0	65.8	56.0	44.3
11PM-MID	147	0.0	1500	147	0	0.44	0	66.1	56.4	44.9

----- 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	0.0070
MAIN ROUTE WITH WORKS	0.0059
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,553
CONGESTED HOURS PER DAY*	0

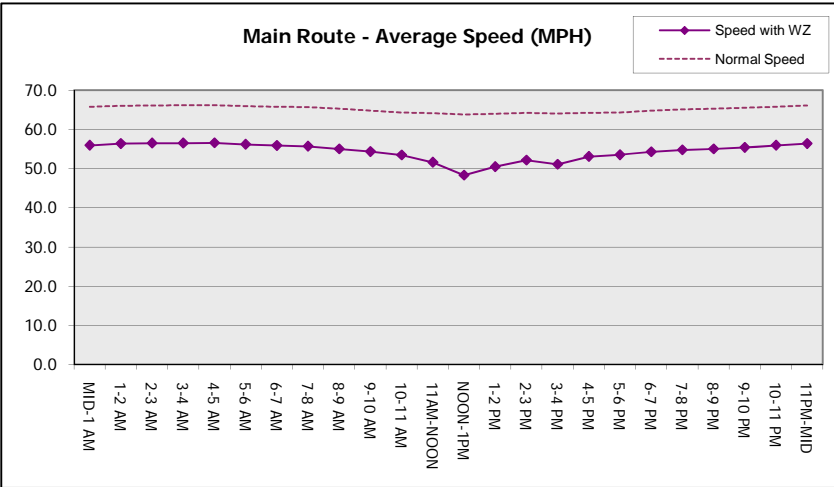
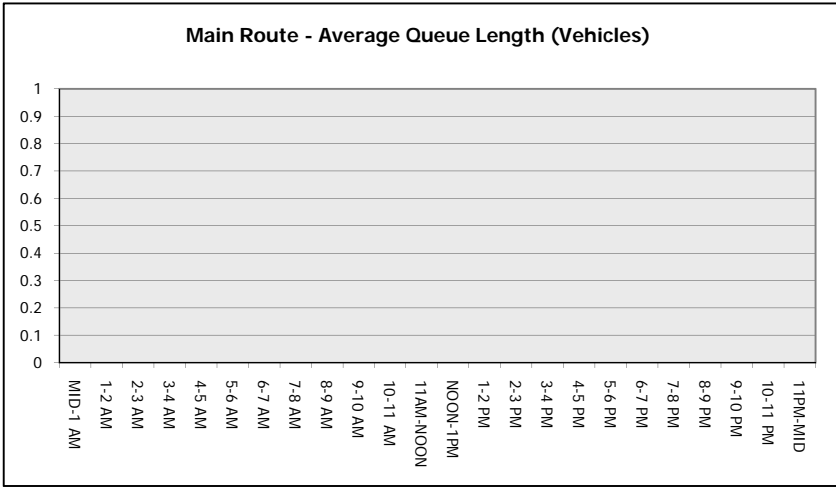
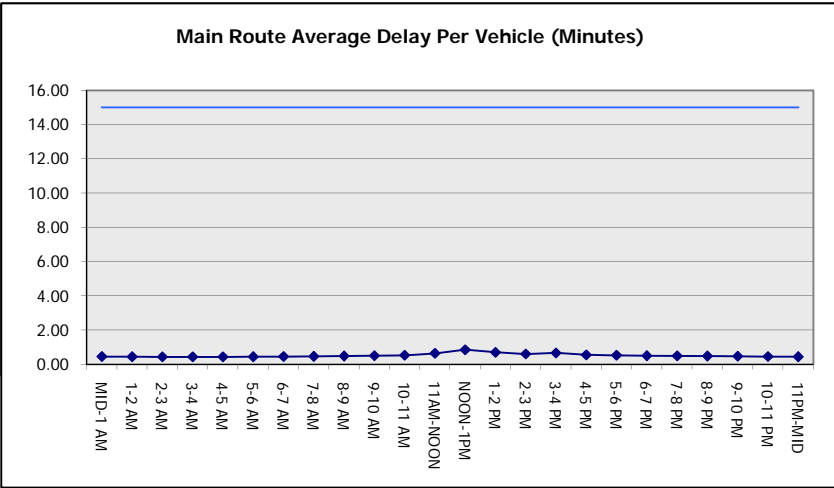
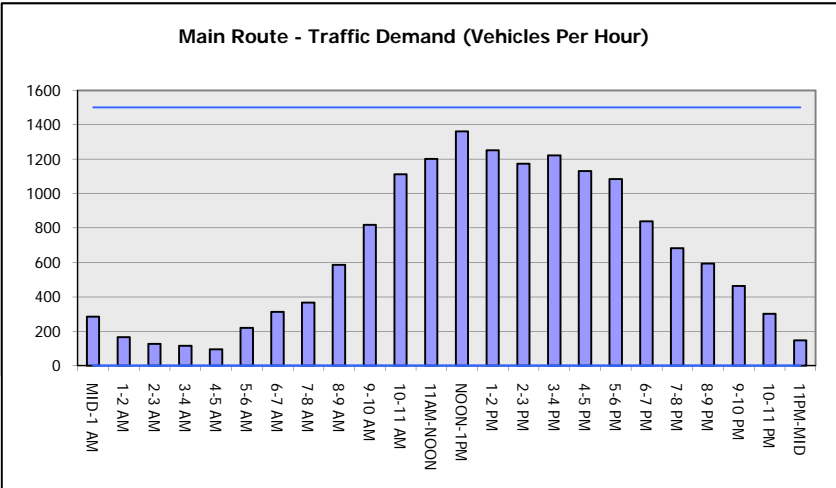
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION



STH 441: RACINE ST TO USH 10 (CALUMET AND OUTAGAMIE COUNTIES) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY EASTBOUND 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	305	0.0	1500	305	0	0.45	0	65.8	55.9	44.3
1-2 AM	192	0.0	1500	192	0	0.44	0	66.0	56.3	44.7
2-3 AM	168	0.0	1500	168	0	0.44	0	66.1	56.3	44.8
3-4 AM	110	0.0	1500	110	0	0.43	0	66.2	56.5	45.0
4-5 AM	84	0.0	1500	84	0	0.43	0	66.2	56.6	45.1
5-6 AM	196	0.0	1500	196	0	0.44	0	66.0	56.3	44.7
6-7 AM	377	0.0	1500	377	0	0.46	0	65.7	55.7	44.0
7-8 AM	359	0.0	1500	359	0	0.46	0	65.7	55.8	44.0
8-9 AM	615	0.0	1500	615	0	0.48	0	65.3	55.0	43.1
9-10 AM	852	0.0	1500	852	0	0.50	0	64.8	54.2	42.2
10-11 AM	1168	0.0	1500	1168	0	0.60	0	64.2	52.3	39.5
11AM-NOON	1184	0.0	1499	1184	0	0.61	0	64.1	52.0	39.0
NOON-1PM	1486	0.0	1499	1486	0	1.10	3	63.6	44.9	31.3
1-2 PM	1492	0.0	1499	1492	0	1.29	7	63.6	42.7	30.8
2-3 PM	1515	0.0	1500	1515	0	1.34	8	63.6	42.2	30.8
3-4 PM	1587	0.0	1500	1587	0	3.11	59	63.4	29.2	30.8
4-5 PM	1622	0.0	1500	1622	0	7.02	166	63.3	17.4	30.8
5-6 PM	1639	0.0	1500	1639	0	12.18	304	63.3	11.6	30.8
6-7 PM	1434	0.0	1499	1434	0	14.02	351	63.7	10.7	30.8
7-8 PM	1114	0.0	1499	1114	0	3.65	131	64.3	26.8	36.3
8-9 PM	956	0.0	1500	956	0	0.51	0	64.6	53.9	41.9
9-10 PM	627	0.0	1500	627	0	0.48	0	65.2	54.9	43.0
10-11 PM	475	0.0	1500	475	0	0.47	0	65.5	55.4	43.6
11PM-MID	219	0.0	1500	219	0	0.44	0	66.0	56.2	44.6

----- 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	0.0088
MAIN ROUTE WITH WORKS	0.0075
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS

ROAD USER COSTS PER DAY	\$19,883
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

