

<b>STH 441: RACINE ST TO USH 10 (CALUMET AND OUTAGAMIE COUNTIES)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	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	249	0.0	1500	249	0	0.45	0	66.0	56.1	44.5
1-2 AM	163	0.0	1500	163	0	0.44	0	66.1	56.4	44.8
2-3 AM	137	0.0	1500	137	0	0.44	0	66.1	56.4	45.0
3-4 AM	99	0.0	1500	99	0	0.43	0	66.2	56.6	45.1
4-5 AM	103	0.0	1500	103	0	0.43	0	66.2	56.6	45.1
5-6 AM	208	0.0	1500	208	0	0.44	0	66.0	56.2	44.6
6-7 AM	281	0.0	1500	281	0	0.45	0	65.9	56.0	44.3
7-8 AM	312	0.0	1500	312	0	0.45	0	65.8	55.9	44.2
8-9 AM	456	0.0	1500	456	0	0.47	0	65.5	55.5	43.7
9-10 AM	667	0.0	1500	667	0	0.49	0	65.1	54.8	42.8
10-11 AM	1025	0.0	1500	1025	0	0.52	0	64.5	53.7	41.6
11AM-NOON	1141	0.0	1500	1141	0	0.56	0	64.3	52.9	40.4
NOON-1PM	1248	0.0	1500	1248	0	0.70	0	64.1	50.6	37.0
1-2 PM	1214	0.0	1500	1214	0	0.65	0	64.1	51.3	38.0
2-3 PM	1190	0.0	1500	1190	0	0.62	0	64.1	51.9	38.8
3-4 PM	1102	0.0	1500	1102	0	0.53	0	64.3	53.5	41.3
4-5 PM	988	0.0	1500	988	0	0.52	0	64.5	53.8	41.7
5-6 PM	958	0.0	1500	958	0	0.52	0	64.6	53.9	41.9
6-7 PM	852	0.0	1500	852	0	0.50	0	64.8	54.2	42.2
7-8 PM	635	0.0	1500	635	0	0.48	0	65.2	54.9	43.0
8-9 PM	532	0.0	1500	532	0	0.47	0	65.4	55.2	43.4
9-10 PM	507	0.0	1500	507	0	0.47	0	65.5	55.3	43.5
10-11 PM	363	0.0	1500	363	0	0.46	0	65.7	55.7	44.0
11PM-MID	317	0.0	1500	317	0	0.45	0	65.8	55.9	44.2

*----- 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

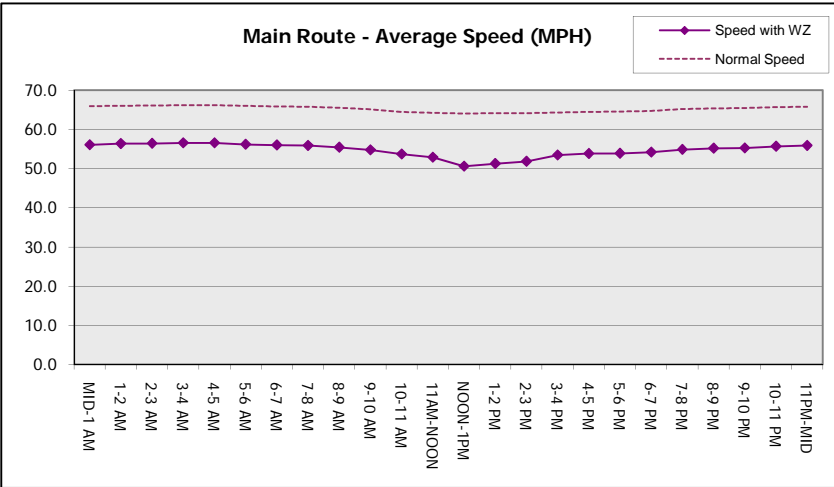
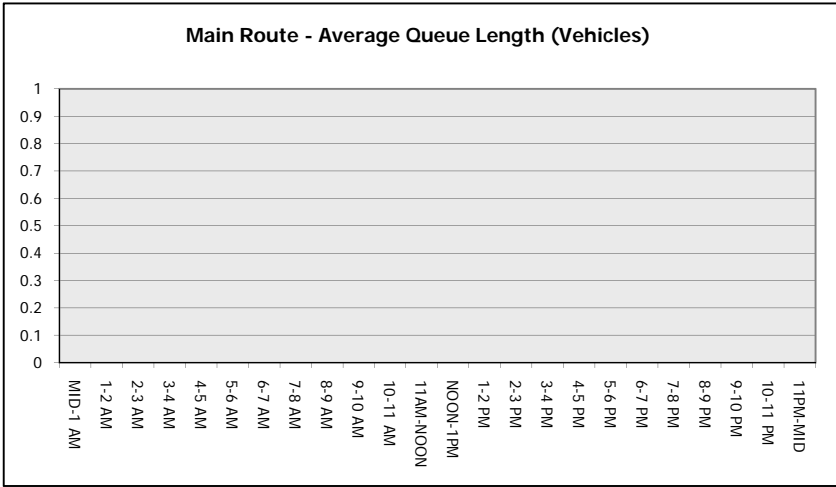
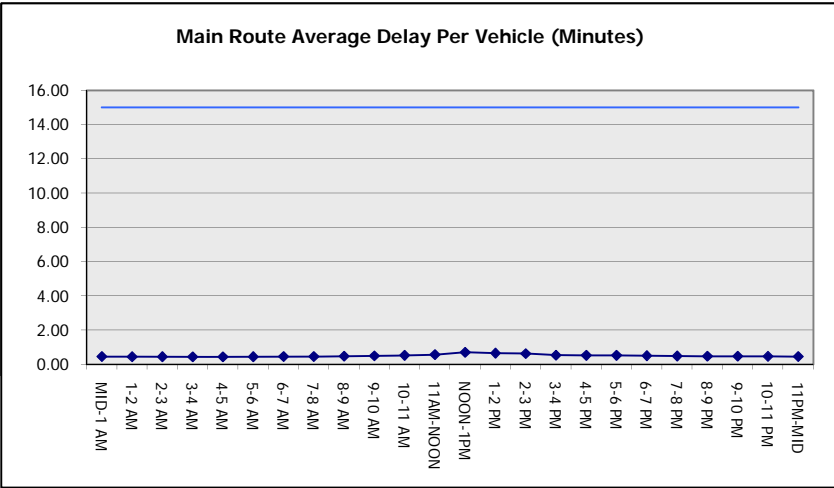
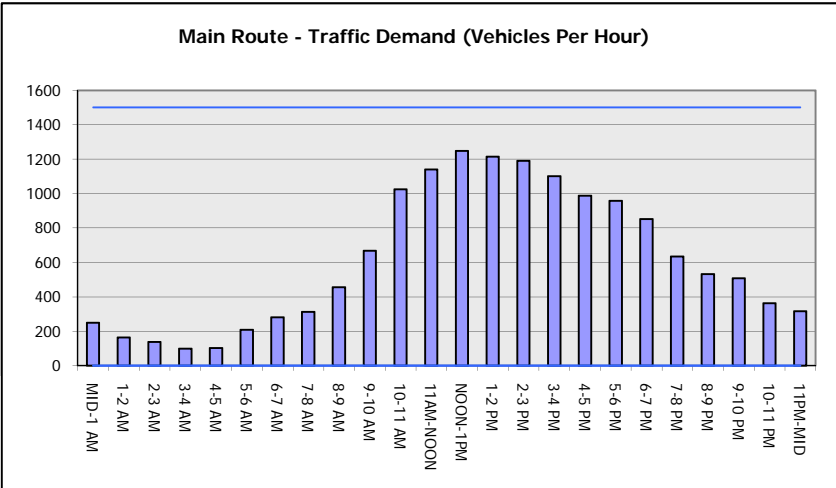
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0066
MAIN ROUTE WITH WORKS	0.0056
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,214
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**AUGUST**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY WESTBOUND DIRECTION**



<b>STH 441: RACINE ST TO USH 10 (CALUMET AND OUTAGAMIE COUNTIES)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
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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	342	0.0	1500	342	0	0.46	0	65.8	55.8	44.1
1-2 AM	211	0.0	1500	211	0	0.44	0	66.0	56.2	44.6
2-3 AM	157	0.0	1500	157	0	0.44	0	66.1	56.4	44.8
3-4 AM	108	0.0	1500	108	0	0.43	0	66.2	56.6	45.1
4-5 AM	89	0.0	1500	89	0	0.43	0	66.2	56.6	45.1
5-6 AM	156	0.0	1500	156	0	0.44	0	66.1	56.4	44.8
6-7 AM	323	0.0	1500	323	0	0.45	0	65.8	55.8	44.2
7-8 AM	260	0.0	1500	260	0	0.45	0	65.9	56.1	44.5
8-9 AM	459	0.0	1500	459	0	0.47	0	65.5	55.5	43.7
9-10 AM	709	0.0	1500	709	0	0.49	0	65.1	54.6	42.7
10-11 AM	1025	0.0	1500	1025	0	0.52	0	64.5	53.7	41.6
11AM-NOON	1254	0.0	1500	1254	0	0.71	0	64.0	50.5	36.8
NOON-1PM	1310	0.0	1499	1310	0	0.78	0	64.0	49.3	35.2
1-2 PM	1480	0.0	1499	1480	0	1.00	0	63.7	46.1	31.2
2-3 PM	1471	0.0	1500	1471	0	0.99	0	63.7	46.3	31.4
3-4 PM	1619	0.0	1499	1619	0	2.90	56	63.3	30.3	30.8
4-5 PM	1570	0.0	1499	1570	0	6.77	156	63.5	17.8	30.8
5-6 PM	1543	0.0	1500	1543	0	8.95	214	63.5	14.5	30.8
6-7 PM	1448	0.0	1499	1448	0	9.09	218	63.7	14.3	30.8
7-8 PM	1159	0.0	1499	1159	0	1.92	57	64.2	37.1	37.4
8-9 PM	972	0.0	1500	972	0	0.52	0	64.6	53.9	41.8
9-10 PM	745	0.0	1500	745	0	0.49	0	65.0	54.6	42.6
10-11 PM	502	0.0	1500	502	0	0.47	0	65.5	55.3	43.5
11PM-MID	289	0.0	1500	289	0	0.45	0	65.8	56.0	44.3

*----- 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	0.0086
MAIN ROUTE WITH WORKS	0.0073
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$14,646
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**SUNDAY EASTBOUND DIRECTION**

