

<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>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY 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	245	0.0	1500	245	0	0.45	0	66.0	56.1	44.5
1-2 AM	142	0.0	1500	142	0	0.44	0	66.1	56.4	44.9
2-3 AM	154	0.0	1500	154	0	0.44	0	66.1	56.4	44.8
3-4 AM	121	0.0	1500	121	0	0.43	0	66.1	56.5	45.0
4-5 AM	208	0.0	1500	208	0	0.44	0	66.0	56.2	44.6
5-6 AM	356	0.0	1500	356	0	0.46	0	65.7	55.8	44.1
6-7 AM	540	0.0	1500	540	0	0.47	0	65.4	55.2	43.3
7-8 AM	748	0.0	1500	748	0	0.49	0	65.0	54.5	42.6
8-9 AM	1069	0.0	1500	1069	0	0.53	0	64.4	53.6	41.4
9-10 AM	1198	0.0	1500	1198	0	0.63	0	64.1	51.7	38.5
10-11 AM	1265	0.0	1500	1265	0	0.72	0	64.0	50.2	36.5
11AM-NOON	1258	0.0	1500	1258	0	0.71	0	64.0	50.4	36.7
NOON-1PM	1325	0.0	1500	1325	0	0.80	0	63.9	49.1	34.8
1-2 PM	1237	0.0	1500	1237	0	0.68	0	64.1	50.8	37.3
2-3 PM	1159	0.0	1500	1159	0	0.58	0	64.2	52.5	39.8
3-4 PM	1170	0.0	1500	1170	0	0.60	0	64.2	52.2	39.4
4-5 PM	1064	0.0	1500	1064	0	0.53	0	64.4	53.6	41.5
5-6 PM	1058	0.0	1500	1058	0	0.52	0	64.4	53.7	41.5
6-7 PM	911	0.0	1500	911	0	0.51	0	64.7	54.1	42.0
7-8 PM	734	0.0	1500	734	0	0.49	0	65.0	54.6	42.6
8-9 PM	672	0.0	1500	672	0	0.49	0	65.1	54.8	42.8
9-10 PM	581	0.0	1500	581	0	0.48	0	65.3	55.1	43.2
10-11 PM	451	0.0	1500	451	0	0.47	0	65.5	55.5	43.7
11PM-MID	346	0.0	1500	346	0	0.46	0	65.8	55.8	44.1

*----- 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

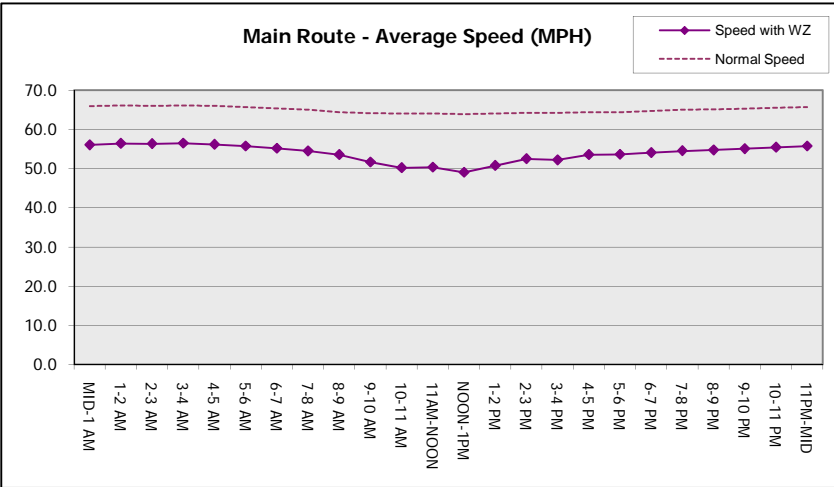
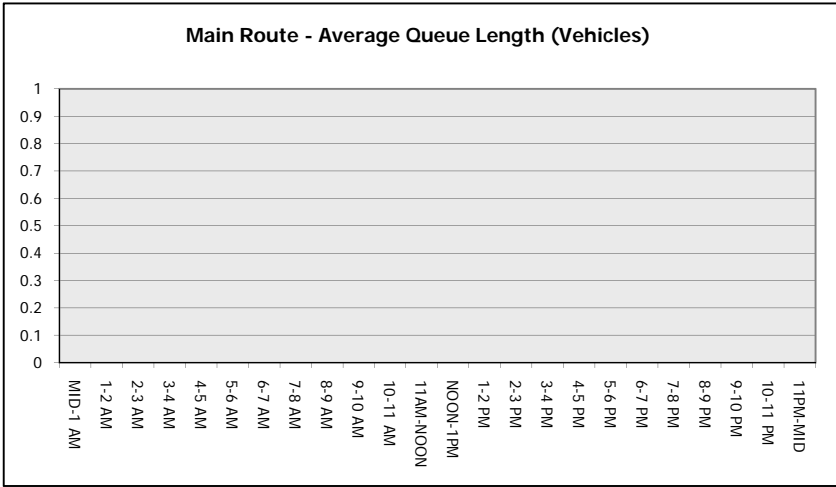
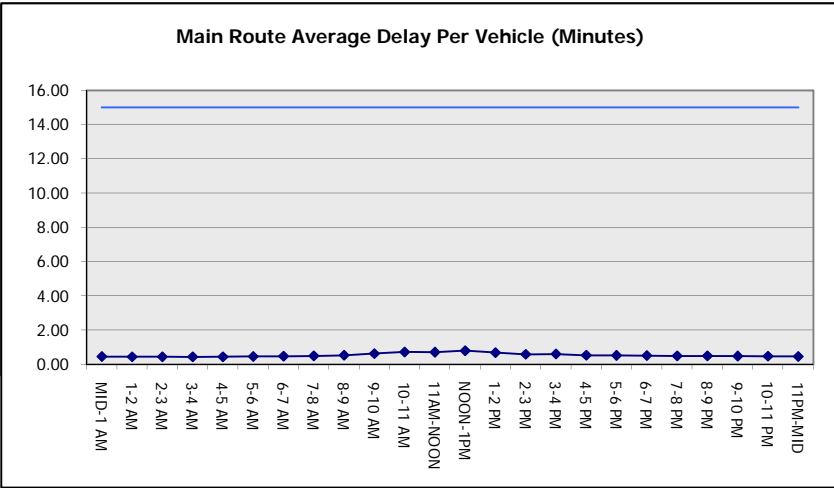
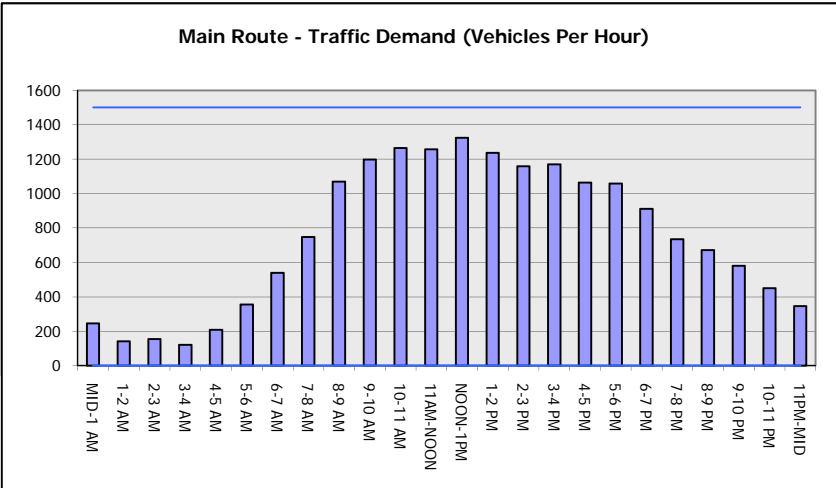
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0080
MAIN ROUTE WITH WORKS	0.0068
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,910
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

**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

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY 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>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY 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	176	0.0	1500	176	0	0.44	0	66.1	56.3	44.8
2-3 AM	177	0.0	1500	177	0	0.44	0	66.1	56.3	44.8
3-4 AM	105	0.0	1500	105	0	0.43	0	66.2	56.6	45.1
4-5 AM	132	0.0	1500	132	0	0.44	0	66.1	56.4	45.0
5-6 AM	266	0.0	1500	266	0	0.45	0	65.9	56.0	44.4
6-7 AM	520	0.0	1500	520	0	0.47	0	65.4	55.3	43.4
7-8 AM	662	0.0	1500	662	0	0.49	0	65.1	54.8	42.9
8-9 AM	860	0.0	1500	860	0	0.51	0	64.8	54.2	42.2
9-10 AM	1072	0.0	1500	1072	0	0.53	0	64.4	53.6	41.4
10-11 AM	1291	0.0	1499	1291	0	0.75	0	64.0	49.7	35.8
11AM-NOON	1474	0.0	1499	1474	0	1.02	1	63.7	45.8	31.4
NOON-1PM	1570	0.0	1500	1570	0	2.28	36	63.5	34.1	30.8
1-2 PM	1571	0.0	1499	1571	0	5.01	109	63.5	21.9	30.8
2-3 PM	1581	0.0	1500	1581	0	7.90	187	63.5	16.0	30.8
3-4 PM	1521	0.0	1499	1521	0	9.82	237	63.5	13.5	30.8
4-5 PM	1566	0.0	1500	1566	0	11.32	278	63.5	12.1	30.8
5-6 PM	1583	0.0	1500	1583	0	14.33+	360	63.5	10.6	30.8
6-7 PM	1406	0.0	1499	1406	0	14.43+	362	63.8	10.6	30.8
7-8 PM	1174	0.0	1499	1174	0	4.95	152	64.2	22.2	34.2
8-9 PM	1012	0.0	1500	1012	0	0.52	0	64.5	53.8	41.6
9-10 PM	860	0.0	1500	860	0	0.51	0	64.8	54.2	42.2
10-11 PM	754	0.0	1500	754	0	0.50	0	65.0	54.5	42.5
11PM-MID	480	0.0	1500	480	0	0.47	0	65.5	55.4	43.6

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

*----- 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	0.0099
MAIN ROUTE WITH WORKS	0.0084
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$30,952
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding User-Specified Maximum

**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

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY EASTBOUND DIRECTION**

