

**USH 45: USH 10 TO STH 116 (WINNEBAGO COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 116 - CTH M - CTH II**

MAY
Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY SOUTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR								AVERAGE SPEEDS IN MPH						
	MAIN ROUTE		ALTERNATE ROUTE		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		ALTERNATE ROUTE		
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN	SITE	WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	42	0.0	9	0.0	1500	42	0	9	0.50	0	63.8	59.3	41.9	24.8	24.8
1-2 AM	29	0.0	5	0.0	1500	29	0	5	0.50	0	63.8	59.3	41.9	24.8	24.8
2-3 AM	23	0.0	4	0.0	1500	23	0	4	0.50	0	63.8	59.4	41.9	24.8	24.8
3-4 AM	26	0.0	5	0.0	1500	26	0	5	0.50	0	63.8	59.3	41.9	24.8	24.8
4-5 AM	43	0.0	9	0.0	1500	43	0	9	0.50	0	63.8	59.3	41.9	24.8	24.8
5-6 AM	70	0.0	14	0.0	1500	70	0	14	0.51	0	63.8	59.2	41.7	24.7	24.7
6-7 AM	113	0.0	23	0.0	1500	113	0	23	0.51	0	63.7	59.1	41.6	24.7	24.7
7-8 AM	220	0.0	43	0.0	1500	220	0	43	0.52	0	63.5	58.9	41.2	24.5	24.5
8-9 AM	287	0.0	57	0.0	1500	287	0	57	0.53	0	63.3	58.7	41.0	24.4	24.4
9-10 AM	345	0.0	68	0.0	1500	345	0	68	0.53	0	63.3	58.6	40.8	24.3	24.3
10-11 AM	365	0.0	72	0.0	1500	365	0	72	0.53	0	63.2	58.5	40.7	24.3	24.3
11A-NOON	405	0.0	80	0.0	1500	405	0	80	0.54	0	63.2	58.4	40.6	24.2	24.2
NOON-1PM	359	0.0	71	0.0	1500	359	0	71	0.53	0	63.2	58.6	40.7	24.3	24.3
1-2 PM	393	0.0	78	0.0	1500	393	0	78	0.54	0	63.2	58.4	40.7	24.2	24.2
2-3 PM	357	0.0	71	0.0	1500	357	0	71	0.53	0	63.2	58.6	40.7	24.3	24.3
3-4 PM	414	0.0	82	0.0	1500	414	0	82	0.54	0	63.2	58.4	40.6	24.2	24.2
4-5 PM	334	0.0	66	0.0	1500	334	0	66	0.53	0	63.3	58.6	40.9	24.3	24.3
5-6 PM	318	0.0	63	0.0	1500	318	0	63	0.53	0	63.3	58.6	40.9	24.3	24.3
6-7 PM	277	0.0	55	0.0	1500	277	0	55	0.53	0	63.4	58.7	41.0	24.4	24.4
7-8 PM	235	0.0	47	0.0	1500	235	0	47	0.52	0	63.5	58.8	41.2	24.5	24.5
8-9 PM	204	0.0	40	0.0	1500	204	0	40	0.52	0	63.5	58.9	41.3	24.5	24.5
9-10 PM	169	0.0	34	0.0	1500	169	0	34	0.51	0	63.6	59.0	41.4	24.6	24.6
10-11 PM	113	0.0	23	0.0	1500	113	0	23	0.51	0	63.7	59.1	41.6	24.7	24.7
11PM-MID	70	0.0	14	0.0	1500	70	0	14	0.51	0	63.8	59.2	41.7	24.7	24.7

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0060
MAIN ROUTE WITH WORKS	0.0066
DIVERSION	0.0120

PIA: Personal Injury Accidents

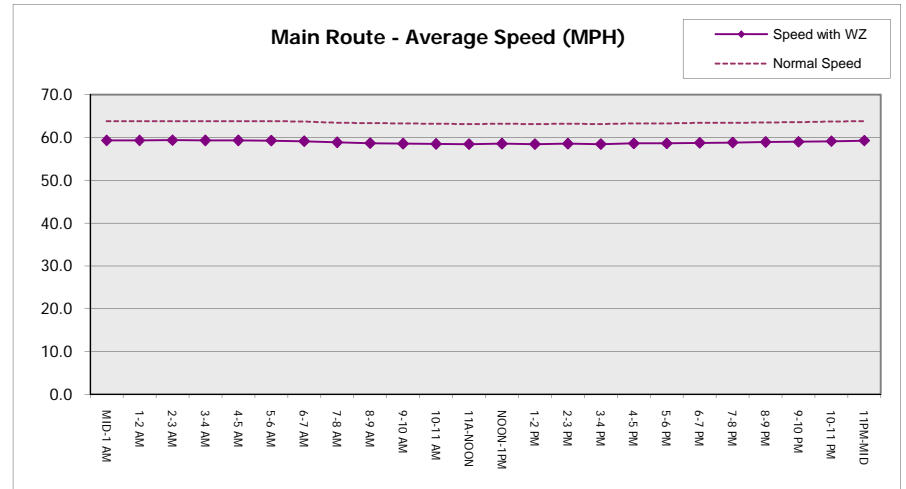
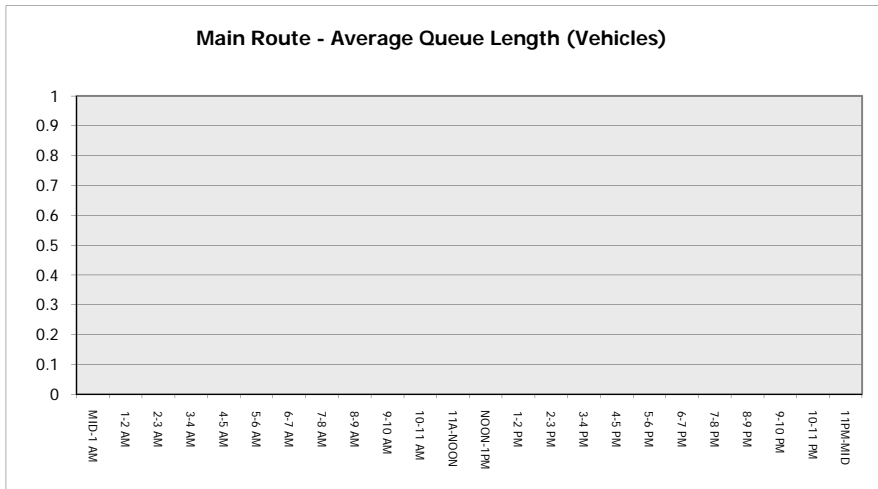
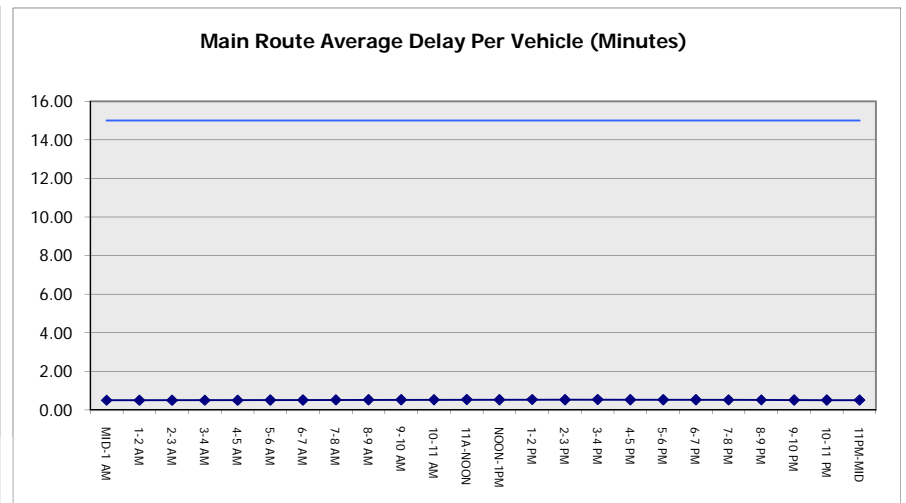
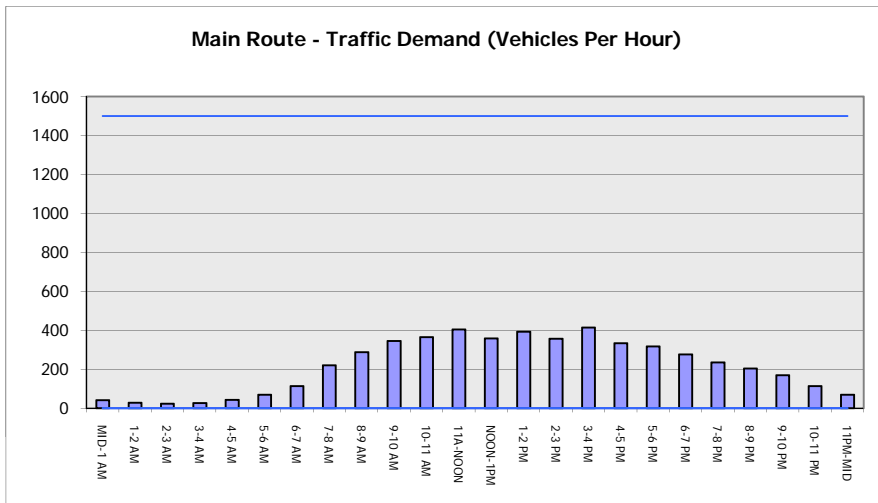
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$699
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

**USH 45: USH 10 TO STH 116 (WINNEBAGO COUNTY)
 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: STH 116 - CTH M - CTH II**

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



USH 45: USH 10 TO STH 116 (WINNEBAGO COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 116 - CTH M - CTH II	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR								AVERAGE SPEEDS IN MPH						
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	ALTERNATE ROUTE	
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN		WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	86	0.0	17	0.0	1500	86	0	17	0.51	0	63.7	59.2	41.7	24.7	24.7
1-2 AM	48	0.0	10	0.0	1500	48	0	10	0.50	0	63.8	59.3	41.9	24.8	24.8
2-3 AM	49	0.0	10	0.0	1500	49	0	10	0.50	0	63.8	59.3	41.9	24.8	24.8
3-4 AM	39	0.0	8	0.0	1500	39	0	8	0.50	0	63.8	59.3	41.9	24.8	24.8
4-5 AM	55	0.0	11	0.0	1500	55	0	11	0.50	0	63.8	59.2	41.8	24.8	24.8
5-6 AM	111	0.0	22	0.0	1500	111	0	22	0.51	0	63.7	59.1	41.6	24.7	24.7
6-7 AM	191	0.0	38	0.0	1500	191	0	38	0.52	0	63.5	58.9	41.4	24.5	24.5
7-8 AM	300	0.0	59	0.0	1500	300	0	59	0.53	0	63.3	58.7	41.0	24.4	24.4
8-9 AM	416	0.0	82	0.0	1500	416	0	82	0.54	0	63.2	58.4	40.6	24.2	24.2
9-10 AM	486	0.0	96	0.0	1500	486	0	96	0.54	0	63.0	58.2	40.4	24.1	24.1
10-11 AM	516	0.0	103	0.0	1500	516	0	103	0.55	0	63.0	58.2	40.2	24.0	24.0
11A-NOON	482	0.0	95	0.0	1500	482	0	95	0.54	0	63.0	58.2	40.4	24.1	24.1
NOON-1PM	451	0.0	90	0.0	1500	451	0	90	0.54	0	63.0	58.3	40.4	24.2	24.2
1-2 PM	422	0.0	84	0.0	1500	422	0	84	0.54	0	63.1	58.4	40.6	24.2	24.2
2-3 PM	400	0.0	80	0.0	1500	400	0	80	0.54	0	63.2	58.4	40.6	24.2	24.2
3-4 PM	354	0.0	70	0.0	1500	354	0	70	0.53	0	63.2	58.6	40.8	24.3	24.3
4-5 PM	373	0.0	75	0.0	1500	373	0	75	0.53	0	63.2	58.5	40.7	24.3	24.3
5-6 PM	326	0.0	65	0.0	1500	326	0	65	0.53	0	63.3	58.6	40.9	24.3	24.3
6-7 PM	262	0.0	52	0.0	1500	262	0	52	0.52	0	63.4	58.7	41.1	24.5	24.5
7-8 PM	224	0.0	44	0.0	1500	224	0	44	0.52	0	63.5	58.9	41.2	24.5	24.5
8-9 PM	187	0.0	37	0.0	1500	187	0	37	0.52	0	63.5	58.9	41.4	24.5	24.5
9-10 PM	164	0.0	32	0.0	1500	164	0	32	0.51	0	63.6	59.0	41.4	24.6	24.6
10-11 PM	134	0.0	27	0.0	1500	134	0	27	0.51	0	63.7	59.1	41.5	24.7	24.7
11PM-MID	85	0.0	17	0.0	1500	85	0	17	0.51	0	63.7	59.2	41.7	24.7	24.7

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0071
MAIN ROUTE WITH WORKS	0.0078
DIVERSION	0.0142

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$833
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

**USH 45: USH 10 TO STH 116 (WINNEBAGO COUNTY)
 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: STH 116 - CTH M - CTH II**

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY NORTHBOUND DIRECTION

