

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

AUGUST

Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	61	0.0	12	0.0	1500	61	0	12	0.50	0	63.8	59.2	41.8	24.8	24.8
1-2 AM	40	0.0	8	0.0	1500	40	0	8	0.50	0	63.8	59.3	41.9	24.8	24.8
2-3 AM	20	0.0	4	0.0	1500	20	0	4	0.50	0	63.8	59.4	41.9	24.8	24.8
3-4 AM	24	0.0	4	0.0	1500	24	0	4	0.50	0	63.8	59.4	41.9	24.8	24.8
4-5 AM	36	0.0	8	0.0	1500	36	0	8	0.50	0	63.8	59.3	41.9	24.8	24.8
5-6 AM	56	0.0	11	0.0	1500	56	0	11	0.50	0	63.8	59.2	41.8	24.8	24.8
6-7 AM	77	0.0	15	0.0	1500	77	0	15	0.51	0	63.8	59.2	41.7	24.7	24.7
7-8 AM	156	0.0	31	0.0	1500	156	0	31	0.51	0	63.6	59.0	41.4	24.6	24.6
8-9 AM	251	0.0	50	0.0	1500	251	0	50	0.52	0	63.4	58.8	41.1	24.5	24.5
9-10 AM	433	0.0	86	0.0	1500	433	0	86	0.54	0	63.1	58.4	40.5	24.2	24.2
10-11 AM	645	0.0	128	0.0	1500	645	0	128	0.56	0	62.7	57.9	39.8	23.8	23.8
11A-NOON	769	0.0	152	0.0	1500	769	0	152	0.57	0	62.5	57.6	39.4	23.7	23.7
NOON-1PM	855	0.0	170	0.0	1500	855	0	170	0.58	0	62.3	57.4	39.2	23.5	23.5
1-2 PM	953	0.0	189	0.0	1500	953	0	189	0.59	0	62.1	57.1	38.9	23.4	23.4
2-3 PM	991	0.0	197	0.0	1500	991	0	197	0.59	0	62.0	57.1	38.8	23.3	23.3
3-4 PM	1043	0.0	208	0.0	1500	1043	0	208	0.60	0	62.0	56.9	38.6	23.2	23.2
4-5 PM	1025	0.0	203	0.0	1500	1025	0	203	0.60	0	62.0	57.0	38.6	23.3	23.3
5-6 PM	916	0.0	182	0.0	1500	916	0	182	0.59	0	62.2	57.3	39.0	23.5	23.5
6-7 PM	717	0.0	143	0.0	1500	717	0	143	0.57	0	62.5	57.7	39.6	23.7	23.7
7-8 PM	600	0.0	119	0.0	1500	600	0	119	0.56	0	62.8	57.9	40.0	23.9	23.9
8-9 PM	409	0.0	81	0.0	1500	409	0	81	0.54	0	63.2	58.4	40.6	24.2	24.2
9-10 PM	246	0.0	49	0.0	1500	246	0	49	0.52	0	63.5	58.8	41.2	24.5	24.5
10-11 PM	133	0.0	26	0.0	1500	133	0	26	0.51	0	63.7	59.1	41.5	24.7	24.7
11PM-MID	73	0.0	14	0.0	1500	73	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	0.0122
MAIN ROUTE WITH WORKS	0.0133
DIVERSION	0.0243

PIA: Personal Injury Accidents

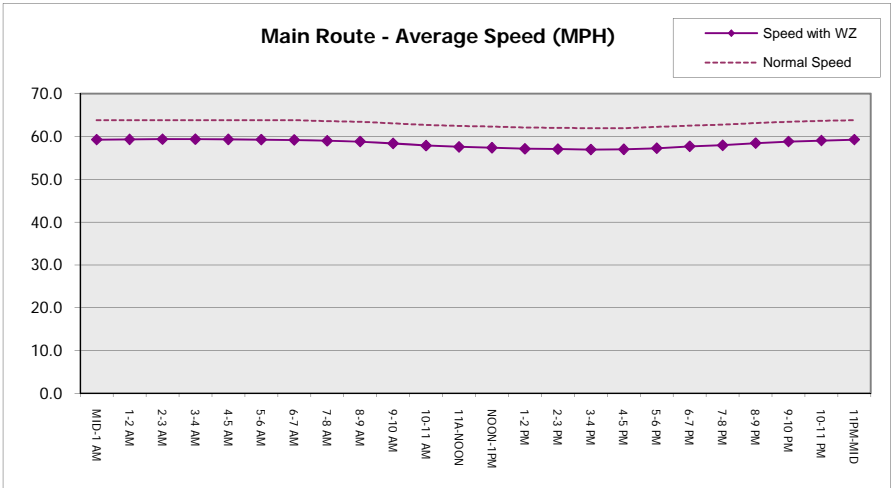
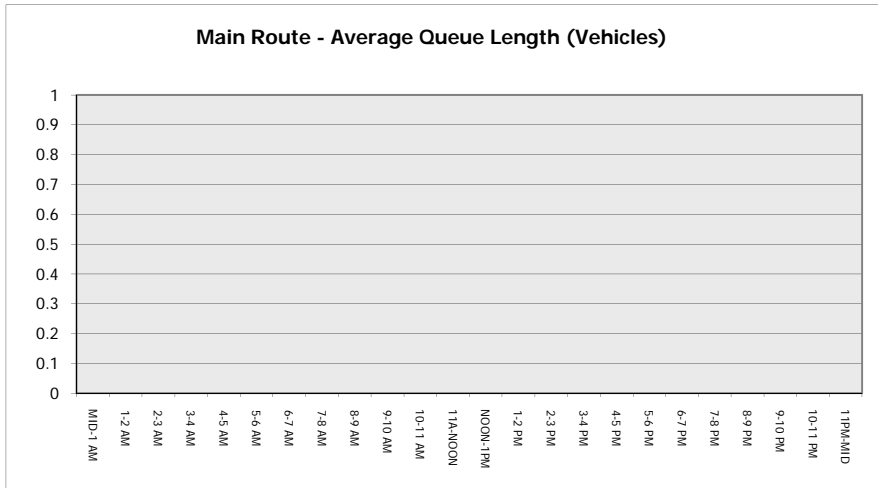
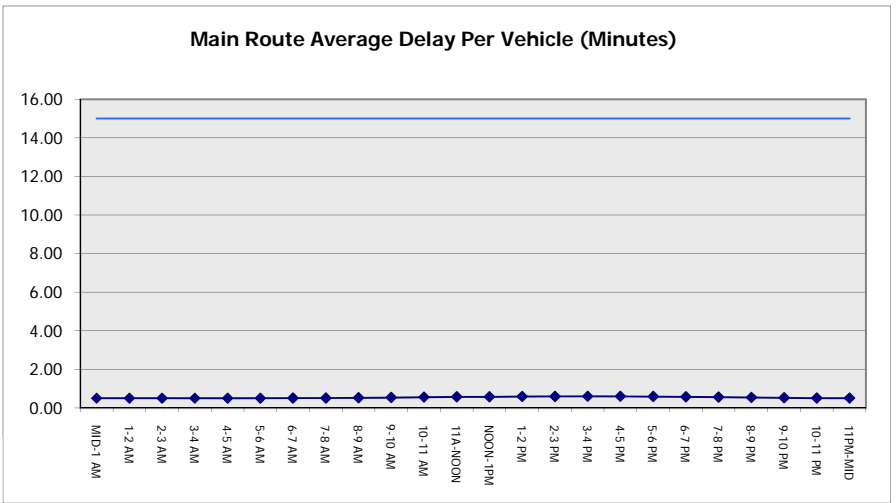
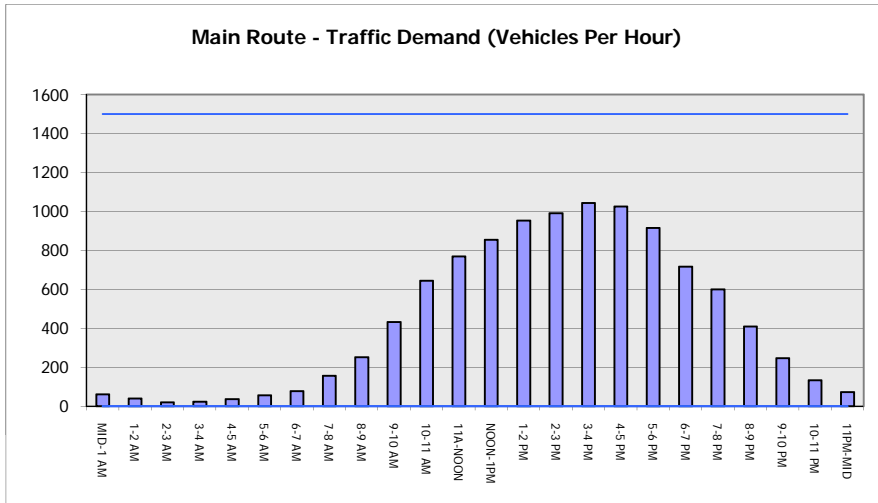
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,573
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 116 - CTH M - CTH II

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	64	0.0	13	0.0	1500	64	0	13	0.50	0	63.8	59.2	41.8	24.7	24.7
1-2 AM	30	0.0	5	0.0	1500	30	0	5	0.50	0	63.8	59.3	41.9	24.8	24.8
2-3 AM	28	0.0	5	0.0	1500	28	0	5	0.50	0	63.8	59.3	41.9	24.8	24.8
3-4 AM	13	0.0	3	0.0	1500	13	0	3	0.50	0	63.9	59.4	42.0	24.8	24.8
4-5 AM	22	0.0	4	0.0	1500	22	0	4	0.50	0	63.8	59.4	41.9	24.8	24.8
5-6 AM	38	0.0	8	0.0	1500	38	0	8	0.50	0	63.8	59.3	41.9	24.8	24.8
6-7 AM	61	0.0	12	0.0	1500	61	0	12	0.50	0	63.8	59.2	41.8	24.8	24.8
7-8 AM	113	0.0	23	0.0	1500	113	0	23	0.51	0	63.7	59.1	41.6	24.7	24.7
8-9 AM	192	0.0	38	0.0	1500	192	0	38	0.52	0	63.5	58.9	41.3	24.5	24.5
9-10 AM	284	0.0	56	0.0	1500	284	0	56	0.53	0	63.3	58.7	41.0	24.4	24.4
10-11 AM	407	0.0	81	0.0	1500	407	0	81	0.54	0	63.2	58.4	40.6	24.2	24.2
11A-NOON	457	0.0	91	0.0	1500	457	0	91	0.54	0	63.0	58.3	40.4	24.2	24.2
NOON-1PM	444	0.0	89	0.0	1500	444	0	89	0.54	0	63.1	58.3	40.5	24.2	24.2
1-2 PM	431	0.0	85	0.0	1500	431	0	85	0.54	0	63.1	58.4	40.5	24.2	24.2
2-3 PM	449	0.0	89	0.0	1500	449	0	89	0.54	0	63.1	58.3	40.5	24.2	24.2
3-4 PM	434	0.0	86	0.0	1500	434	0	86	0.54	0	63.1	58.4	40.5	24.2	24.2
4-5 PM	445	0.0	89	0.0	1500	445	0	89	0.54	0	63.1	58.3	40.5	24.2	24.2
5-6 PM	412	0.0	82	0.0	1500	412	0	82	0.54	0	63.2	58.4	40.6	24.2	24.2
6-7 PM	350	0.0	69	0.0	1500	350	0	69	0.53	0	63.3	58.6	40.8	24.3	24.3
7-8 PM	302	0.0	59	0.0	1500	302	0	59	0.53	0	63.3	58.7	40.9	24.4	24.4
8-9 PM	250	0.0	50	0.0	1500	250	0	50	0.52	0	63.4	58.8	41.1	24.5	24.5
9-10 PM	141	0.0	28	0.0	1500	141	0	28	0.51	0	63.7	59.1	41.5	24.7	24.7
10-11 PM	92	0.0	18	0.0	1500	92	0	18	0.51	0	63.7	59.2	41.7	24.7	24.7
11PM-MID	58	0.0	12	0.0	1500	58	0	12	0.50	0	63.8	59.2	41.8	24.8	24.8

----- 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	0.0064
MAIN ROUTE WITH WORKS	0.0070
DIVERSION	0.0127

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$767
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: STH 116 - CTH M - CTH II**

AUGUST
 Analyzed for 2009
 Construction Season

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SUNDAY NORTHBOUND DIRECTION

