

**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

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	47	0.0	10	0.0	1500	47	0	10	0.50	0	63.8	59.3	41.9	24.8	24.8
1-2 AM	37	0.0	8	0.0	1500	37	0	8	0.50	0	63.8	59.3	41.9	24.8	24.8
2-3 AM	27	0.0	5	0.0	1500	27	0	5	0.50	0	63.8	59.3	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	51	0.0	10	0.0	1500	51	0	10	0.50	0	63.8	59.2	41.8	24.8	24.8
5-6 AM	59	0.0	12	0.0	1500	59	0	12	0.50	0	63.8	59.2	41.8	24.8	24.8
6-7 AM	122	0.0	25	0.0	1500	122	0	25	0.51	0	63.7	59.1	41.5	24.7	24.7
7-8 AM	200	0.0	40	0.0	1500	200	0	40	0.52	0	63.5	58.9	41.3	24.5	24.5
8-9 AM	308	0.0	62	0.0	1500	308	0	62	0.53	0	63.3	58.7	40.9	24.3	24.3
9-10 AM	380	0.0	76	0.0	1500	380	0	76	0.53	0	63.2	58.5	40.7	24.3	24.3
10-11 AM	482	0.0	95	0.0	1500	482	0	95	0.54	0	63.0	58.2	40.4	24.1	24.1
11A-NOON	549	0.0	109	0.0	1500	549	0	109	0.55	0	62.9	58.1	40.1	24.0	24.0
NOON-1PM	572	0.0	114	0.0	1500	572	0	114	0.55	0	62.8	58.1	40.1	24.0	24.0
1-2 PM	551	0.0	109	0.0	1500	551	0	109	0.55	0	62.8	58.1	40.1	24.0	24.0
2-3 PM	513	0.0	102	0.0	1500	513	0	102	0.55	0	63.0	58.2	40.2	24.0	24.0
3-4 PM	473	0.0	94	0.0	1500	473	0	94	0.54	0	63.0	58.2	40.4	24.1	24.1
4-5 PM	449	0.0	90	0.0	1500	449	0	90	0.54	0	63.1	58.3	40.5	24.2	24.2
5-6 PM	392	0.0	78	0.0	1500	392	0	78	0.54	0	63.2	58.4	40.7	24.2	24.2
6-7 PM	317	0.0	63	0.0	1500	317	0	63	0.53	0	63.3	58.6	40.9	24.3	24.3
7-8 PM	274	0.0	54	0.0	1500	274	0	54	0.52	0	63.4	58.7	41.0	24.4	24.4
8-9 PM	232	0.0	46	0.0	1500	232	0	46	0.52	0	63.5	58.8	41.2	24.5	24.5
9-10 PM	190	0.0	38	0.0	1500	190	0	38	0.52	0	63.5	58.9	41.4	24.5	24.5
10-11 PM	138	0.0	27	0.0	1500	138	0	27	0.51	0	63.7	59.1	41.5	24.7	24.7
11PM-MID	97	0.0	19	0.0	1500	97	0	19	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	0.0075
MAIN ROUTE WITH WORKS	0.0082
DIVERSION	0.0150

PIA: Personal Injury Accidents

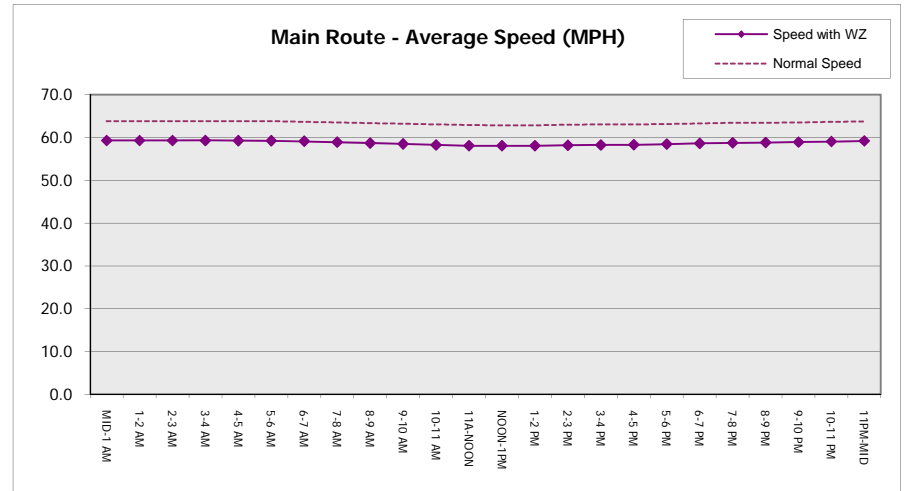
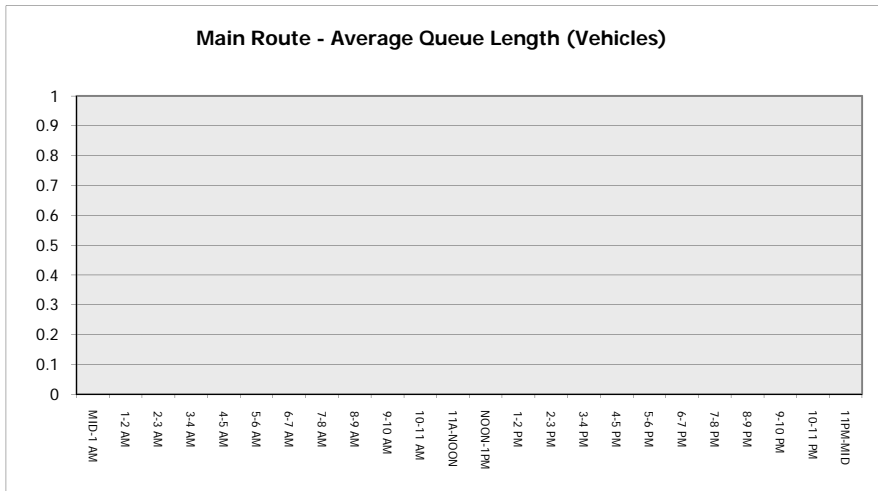
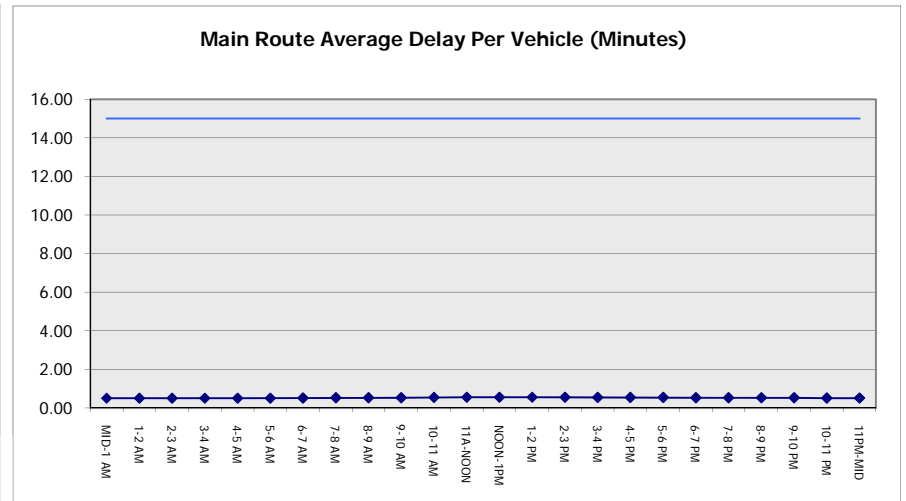
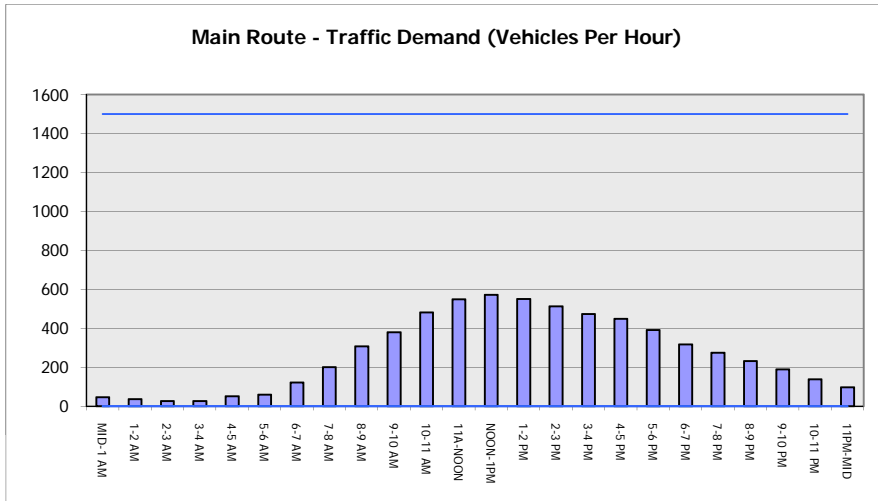
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$892
CONGESTED HOURS PER DAY*	0

*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

AUGUST
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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	AUGUST
	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	92	0.0	18	0.0	1500	92	0	18	0.51	0	63.7	59.2	41.7	24.7	24.7
1-2 AM	51	0.0	10	0.0	1500	51	0	10	0.50	0	63.8	59.2	41.8	24.8	24.8
2-3 AM	40	0.0	8	0.0	1500	40	0	8	0.50	0	63.8	59.3	41.9	24.8	24.8
3-4 AM	33	0.0	6	0.0	1500	33	0	6	0.50	0	63.8	59.3	41.9	24.8	24.8
4-5 AM	49	0.0	10	0.0	1500	49	0	10	0.50	0	63.8	59.3	41.9	24.8	24.8
5-6 AM	101	0.0	21	0.0	1500	101	0	21	0.51	0	63.7	59.2	41.7	24.7	24.7
6-7 AM	172	0.0	35	0.0	1500	172	0	35	0.52	0	63.6	59.0	41.4	24.6	24.6
7-8 AM	279	0.0	55	0.0	1500	279	0	55	0.53	0	63.4	58.7	41.0	24.4	24.4
8-9 AM	410	0.0	81	0.0	1500	410	0	81	0.54	0	63.2	58.4	40.6	24.2	24.2
9-10 AM	574	0.0	114	0.0	1500	574	0	114	0.55	0	62.8	58.0	40.1	24.0	24.0
10-11 AM	696	0.0	138	0.0	1500	696	0	138	0.56	0	62.6	57.8	39.7	23.8	23.8
11A-NOON	670	0.0	133	0.0	1500	670	0	133	0.56	0	62.7	57.8	39.7	23.8	23.8
NOON-1PM	556	0.0	110	0.0	1500	556	0	110	0.55	0	62.8	58.1	40.1	24.0	24.0
1-2 PM	486	0.0	96	0.0	1500	486	0	96	0.54	0	63.0	58.2	40.4	24.1	24.1
2-3 PM	450	0.0	90	0.0	1500	450	0	90	0.54	0	63.1	58.3	40.5	24.2	24.2
3-4 PM	392	0.0	78	0.0	1500	392	0	78	0.54	0	63.2	58.4	40.7	24.2	24.2
4-5 PM	369	0.0	74	0.0	1500	369	0	74	0.53	0	63.2	58.5	40.7	24.3	24.3
5-6 PM	362	0.0	72	0.0	1500	362	0	72	0.53	0	63.2	58.5	40.7	24.3	24.3
6-7 PM	277	0.0	55	0.0	1500	277	0	55	0.52	0	63.4	58.7	41.0	24.4	24.4
7-8 PM	234	0.0	46	0.0	1500	234	0	46	0.52	0	63.5	58.8	41.2	24.5	24.5
8-9 PM	202	0.0	40	0.0	1500	202	0	40	0.52	0	63.5	58.9	41.3	24.5	24.5
9-10 PM	165	0.0	32	0.0	1500	165	0	32	0.51	0	63.6	59.0	41.4	24.6	24.6
10-11 PM	138	0.0	27	0.0	1500	138	0	27	0.51	0	63.7	59.1	41.5	24.7	24.7
11PM-MID	98	0.0	19	0.0	1500	98	0	19	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	0.0080
MAIN ROUTE WITH WORKS	0.0087
DIVERSION	0.0159

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$952
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
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 Construction Season

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SATURDAY NORTHBOUND DIRECTION

