

USH 45: USH 10 TO STH 116 (WINNEBAGO COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 116 - CTH M - CTH II	OCTOBER
	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	44	0.0	9	0.0	1500	44	0	9	0.50	0	63.8	59.3	41.9	24.8	24.8
1-2 AM	33	0.0	6	0.0	1500	33	0	6	0.50	0	63.8	59.3	41.9	24.8	24.8
2-3 AM	24	0.0	4	0.0	1500	24	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	33	0.0	6	0.0	1500	33	0	6	0.50	0	63.8	59.3	41.9	24.8	24.8
5-6 AM	42	0.0	9	0.0	1500	42	0	9	0.50	0	63.8	59.3	41.9	24.8	24.8
6-7 AM	63	0.0	13	0.0	1500	63	0	13	0.50	0	63.8	59.2	41.8	24.7	24.7
7-8 AM	111	0.0	22	0.0	1500	111	0	22	0.51	0	63.7	59.1	41.6	24.7	24.7
8-9 AM	196	0.0	39	0.0	1500	196	0	39	0.52	0	63.5	58.9	41.3	24.5	24.5
9-10 AM	333	0.0	66	0.0	1500	333	0	66	0.53	0	63.3	58.6	40.9	24.3	24.3
10-11 AM	537	0.0	107	0.0	1500	537	0	107	0.55	0	62.9	58.1	40.2	24.0	24.0
11A-NOON	734	0.0	146	0.0	1500	734	0	146	0.57	0	62.5	57.6	39.6	23.7	23.7
NOON-1PM	832	0.0	165	0.0	1500	832	0	165	0.58	0	62.3	57.4	39.2	23.6	23.6
1-2 PM	860	0.0	171	0.0	1500	860	0	171	0.58	0	62.3	57.4	39.1	23.5	23.5
2-3 PM	911	0.0	181	0.0	1500	911	0	181	0.58	0	62.2	57.3	39.0	23.5	23.5
3-4 PM	1013	0.0	201	0.0	1500	1013	0	201	0.59	0	62.0	57.0	38.7	23.3	23.3
4-5 PM	926	0.0	184	0.0	1500	926	0	184	0.59	0	62.2	57.2	38.9	23.4	23.4
5-6 PM	843	0.0	168	0.0	1500	843	0	168	0.58	0	62.3	57.4	39.2	23.5	23.5
6-7 PM	642	0.0	128	0.0	1500	642	0	128	0.56	0	62.7	57.9	39.8	23.8	23.8
7-8 PM	529	0.0	105	0.0	1500	529	0	105	0.55	0	62.9	58.1	40.2	24.0	24.0
8-9 PM	349	0.0	69	0.0	1500	349	0	69	0.53	0	63.3	58.6	40.8	24.3	24.3
9-10 PM	182	0.0	36	0.0	1500	182	0	36	0.52	0	63.6	58.9	41.4	24.6	24.6
10-11 PM	111	0.0	22	0.0	1500	111	0	22	0.51	0	63.7	59.1	41.6	24.7	24.7
11PM-MID	57	0.0	11	0.0	1500	57	0	11	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 (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	0.0109
MAIN ROUTE WITH WORKS	0.0119
DIVERSION	0.0217

PIA: Personal Injury Accidents

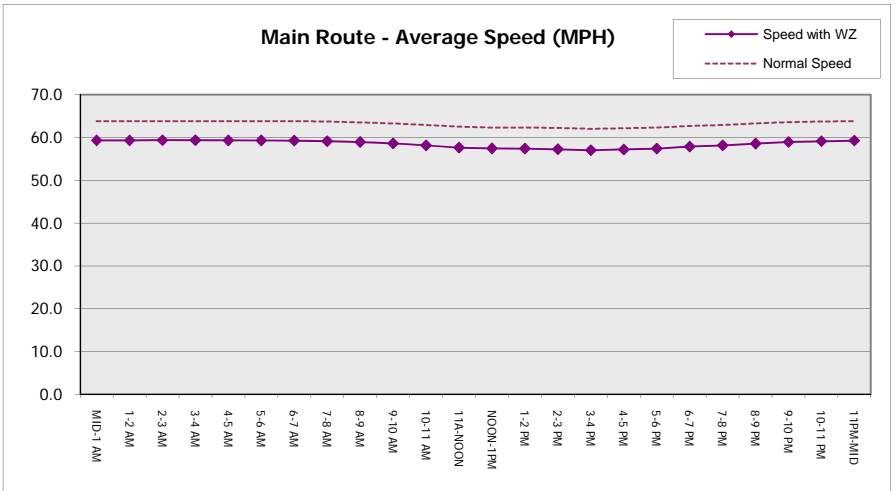
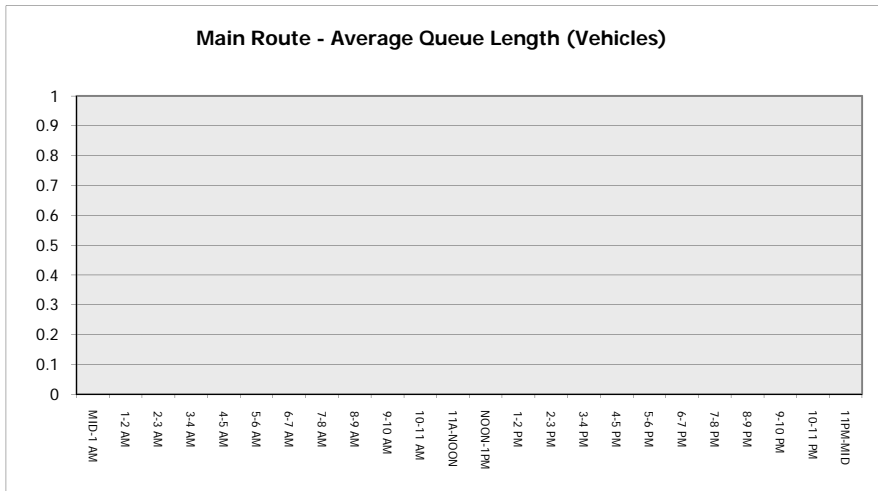
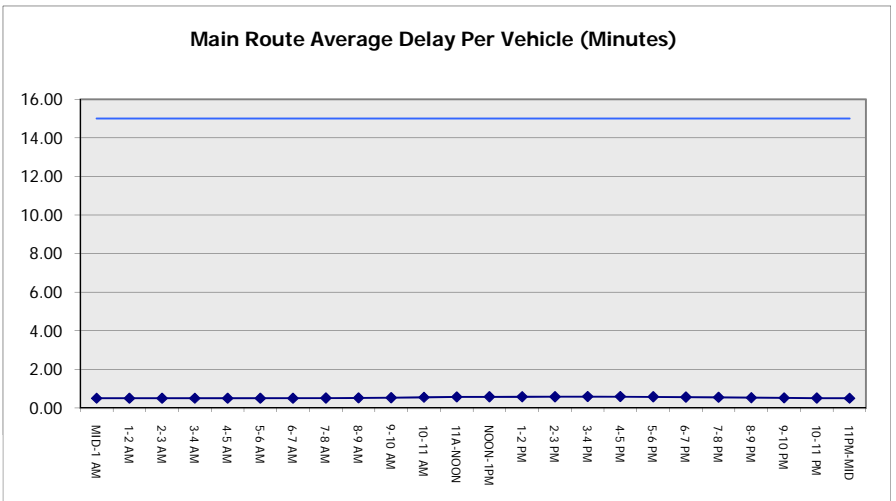
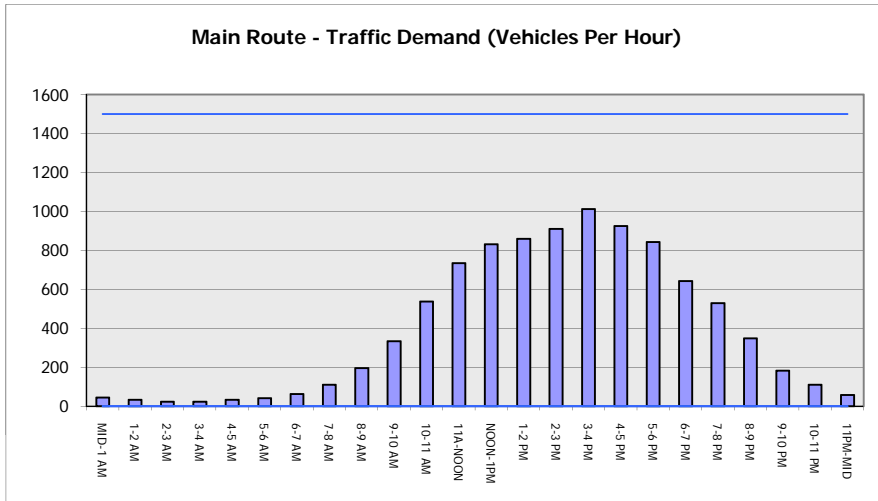
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,396
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
 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	OCTOBER
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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	49	0.0	10	0.0	1500	49	0	10	0.50	0	63.8	59.3	41.9	24.8	24.8
1-2 AM	26	0.0	5	0.0	1500	26	0	5	0.50	0	63.8	59.3	41.9	24.8	24.8
2-3 AM	30	0.0	5	0.0	1500	30	0	5	0.50	0	63.8	59.3	41.9	24.8	24.8
3-4 AM	19	0.0	3	0.0	1500	19	0	3	0.50	0	63.8	59.4	41.9	24.8	24.8
4-5 AM	28	0.0	5	0.0	1500	28	0	5	0.50	0	63.8	59.3	41.9	24.8	24.8
5-6 AM	58	0.0	12	0.0	1500	58	0	12	0.50	0	63.8	59.2	41.8	24.8	24.8
6-7 AM	59	0.0	12	0.0	1500	59	0	12	0.50	0	63.8	59.2	41.8	24.8	24.8
7-8 AM	119	0.0	24	0.0	1500	119	0	24	0.51	0	63.7	59.1	41.6	24.7	24.7
8-9 AM	188	0.0	38	0.0	1500	188	0	38	0.52	0	63.5	58.9	41.4	24.5	24.5
9-10 AM	234	0.0	46	0.0	1500	234	0	46	0.52	0	63.5	58.8	41.2	24.5	24.5
10-11 AM	314	0.0	63	0.0	1500	314	0	63	0.53	0	63.3	58.6	40.9	24.3	24.3
11A-NOON	369	0.0	74	0.0	1500	369	0	74	0.53	0	63.2	58.5	40.7	24.3	24.3
NOON-1PM	365	0.0	72	0.0	1500	365	0	72	0.53	0	63.2	58.5	40.7	24.3	24.3
1-2 PM	369	0.0	74	0.0	1500	369	0	74	0.53	0	63.2	58.5	40.7	24.3	24.3
2-3 PM	362	0.0	72	0.0	1500	362	0	72	0.53	0	63.2	58.5	40.7	24.3	24.3
3-4 PM	385	0.0	77	0.0	1500	385	0	77	0.54	0	63.2	58.5	40.7	24.3	24.3
4-5 PM	384	0.0	76	0.0	1500	384	0	76	0.54	0	63.2	58.5	40.7	24.3	24.3
5-6 PM	358	0.0	71	0.0	1500	358	0	71	0.53	0	63.2	58.6	40.7	24.3	24.3
6-7 PM	310	0.0	62	0.0	1500	310	0	62	0.53	0	63.3	58.6	40.9	24.3	24.3
7-8 PM	249	0.0	50	0.0	1500	249	0	50	0.52	0	63.5	58.8	41.1	24.5	24.5
8-9 PM	146	0.0	29	0.0	1500	146	0	29	0.51	0	63.7	59.1	41.5	24.6	24.6
9-10 PM	107	0.0	22	0.0	1500	107	0	22	0.51	0	63.7	59.1	41.6	24.7	24.7
10-11 PM	68	0.0	13	0.0	1500	68	0	13	0.51	0	63.8	59.2	41.7	24.7	24.7
11PM-MID	42	0.0	9	0.0	1500	42	0	9	0.50	0	63.8	59.3	41.9	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	0.0054
MAIN ROUTE WITH WORKS	0.0059
DIVERSION	0.0107

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$638
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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SUNDAY NORTHBOUND DIRECTION

