

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

MON-THUR 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	35	0.0	6	0.0	1500	35	0	6	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	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	54	0.0	11	0.0	1500	54	0	11	0.50	0	63.8	59.2	41.8	24.8	24.8
4-5 AM	100	0.0	19	0.0	1500	100	0	19	0.51	0	63.7	59.2	41.7	24.7	24.7
5-6 AM	196	0.0	39	0.0	1500	196	0	39	0.52	0	63.5	58.9	41.3	24.5	24.5
6-7 AM	323	0.0	64	0.0	1500	323	0	64	0.53	0	63.3	58.6	40.9	24.3	24.3
7-8 AM	383	0.0	76	0.0	1500	383	0	76	0.54	0	63.2	58.5	40.7	24.3	24.3
8-9 AM	309	0.0	62	0.0	1500	309	0	62	0.53	0	63.3	58.7	40.9	24.3	24.3
9-10 AM	322	0.0	64	0.0	1500	322	0	64	0.53	0	63.3	58.6	40.9	24.3	24.3
10-11 AM	338	0.0	67	0.0	1500	338	0	67	0.53	0	63.3	58.6	40.9	24.3	24.3
11A-NOON	352	0.0	70	0.0	1500	352	0	70	0.53	0	63.2	58.6	40.8	24.3	24.3
NOON-1PM	368	0.0	74	0.0	1500	368	0	74	0.53	0	63.2	58.5	40.7	24.3	24.3
1-2 PM	396	0.0	79	0.0	1500	396	0	79	0.54	0	63.2	58.4	40.6	24.2	24.2
2-3 PM	412	0.0	82	0.0	1500	412	0	82	0.54	0	63.2	58.4	40.6	24.2	24.2
3-4 PM	420	0.0	84	0.0	1500	420	0	84	0.54	0	63.1	58.4	40.6	24.2	24.2
4-5 PM	462	0.0	92	0.0	1500	462	0	92	0.54	0	63.0	58.3	40.4	24.2	24.2
5-6 PM	423	0.0	84	0.0	1500	423	0	84	0.54	0	63.1	58.4	40.6	24.2	24.2
6-7 PM	305	0.0	61	0.0	1500	305	0	61	0.53	0	63.3	58.7	40.9	24.4	24.4
7-8 PM	233	0.0	46	0.0	1500	233	0	46	0.52	0	63.5	58.8	41.2	24.5	24.5
8-9 PM	177	0.0	36	0.0	1500	177	0	36	0.52	0	63.6	59.0	41.4	24.6	24.6
9-10 PM	132	0.0	26	0.0	1500	132	0	26	0.51	0	63.7	59.1	41.5	24.7	24.7
10-11 PM	96	0.0	19	0.0	1500	96	0	19	0.51	0	63.7	59.2	41.7	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	0.0069
MAIN ROUTE WITH WORKS	0.0075
DIVERSION	0.0137

PIA: Personal Injury Accidents

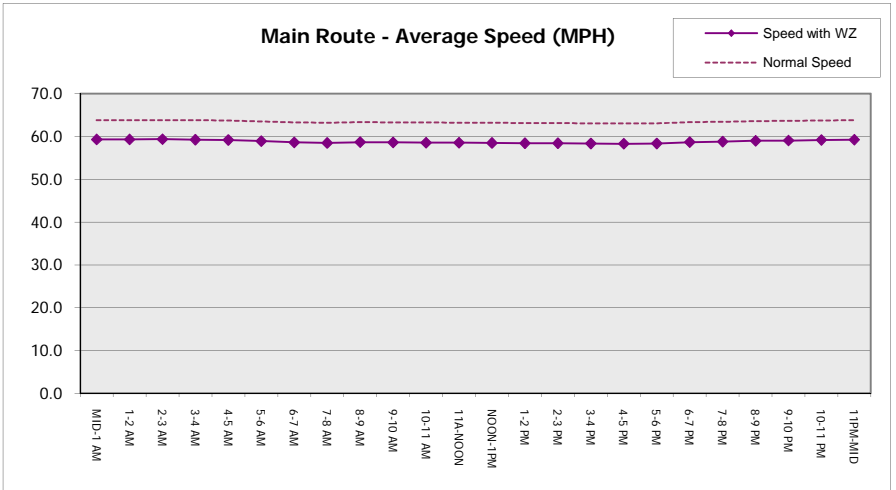
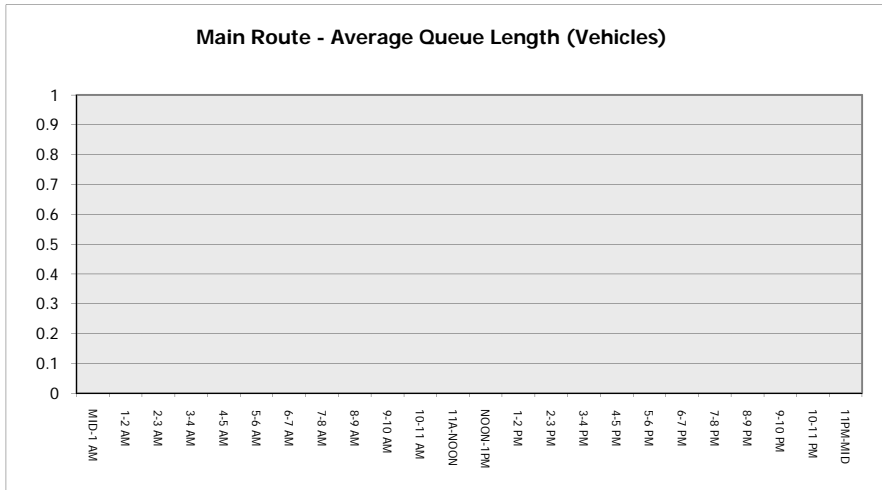
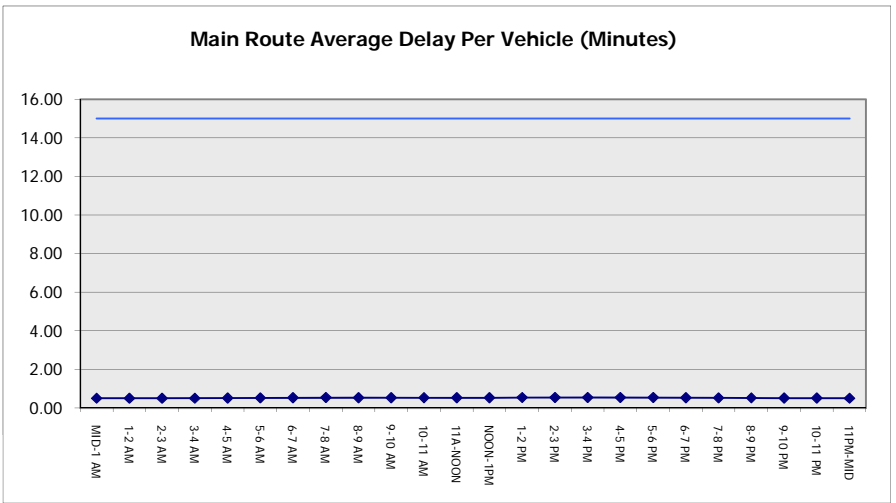
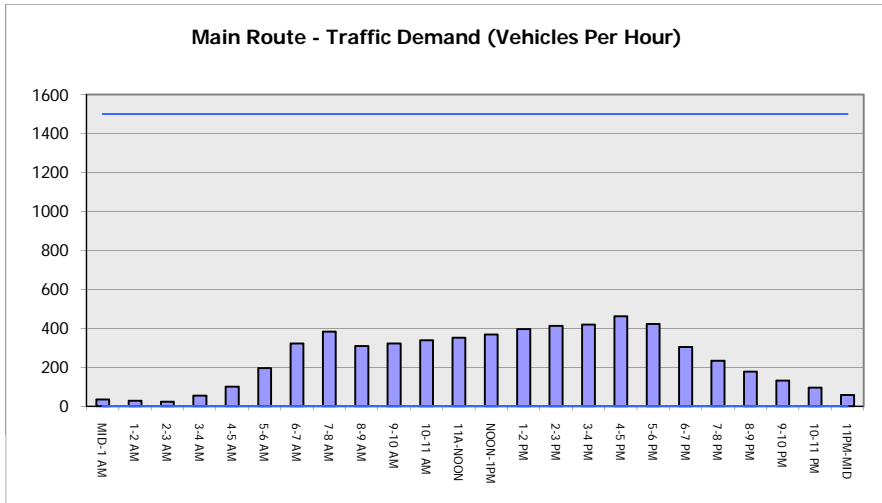
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$637
CONGESTED HOURS PER DAY*	0

*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
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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

MON-THUR 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	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	31	0.0	6	0.0	1500	31	0	6	0.50	0	63.8	59.3	41.9	24.8	24.8
2-3 AM	37	0.0	8	0.0	1500	37	0	8	0.50	0	63.8	59.3	41.9	24.8	24.8
3-4 AM	34	0.0	6	0.0	1500	34	0	6	0.50	0	63.8	59.3	41.9	24.8	24.8
4-5 AM	58	0.0	12	0.0	1500	58	0	12	0.50	0	63.8	59.2	41.8	24.8	24.8
5-6 AM	145	0.0	29	0.0	1500	145	0	29	0.51	0	63.7	59.1	41.5	24.6	24.6
6-7 AM	238	0.0	48	0.0	1500	238	0	48	0.52	0	63.5	58.8	41.2	24.5	24.5
7-8 AM	329	0.0	66	0.0	1500	329	0	66	0.53	0	63.3	58.6	40.9	24.3	24.3
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	324	0.0	65	0.0	1500	324	0	65	0.53	0	63.3	58.6	40.9	24.3	24.3
10-11 AM	344	0.0	68	0.0	1500	344	0	68	0.53	0	63.3	58.6	40.8	24.3	24.3
11A-NOON	341	0.0	67	0.0	1500	341	0	67	0.53	0	63.3	58.6	40.8	24.3	24.3
NOON-1PM	329	0.0	65	0.0	1500	329	0	65	0.53	0	63.3	58.6	40.9	24.3	24.3
1-2 PM	340	0.0	67	0.0	1500	340	0	67	0.53	0	63.3	58.6	40.8	24.3	24.3
2-3 PM	383	0.0	76	0.0	1500	383	0	76	0.54	0	63.2	58.5	40.7	24.3	24.3
3-4 PM	446	0.0	89	0.0	1500	446	0	89	0.54	0	63.1	58.3	40.5	24.2	24.2
4-5 PM	506	0.0	101	0.0	1500	506	0	101	0.55	0	63.0	58.2	40.3	24.1	24.1
5-6 PM	428	0.0	84	0.0	1500	428	0	84	0.54	0	63.1	58.4	40.6	24.2	24.2
6-7 PM	325	0.0	64	0.0	1500	325	0	64	0.53	0	63.3	58.6	40.9	24.3	24.3
7-8 PM	249	0.0	49	0.0	1500	249	0	49	0.52	0	63.5	58.8	41.1	24.5	24.5
8-9 PM	208	0.0	40	0.0	1500	208	0	40	0.52	0	63.5	58.9	41.3	24.5	24.5
9-10 PM	157	0.0	31	0.0	1500	157	0	31	0.51	0	63.6	59.0	41.4	24.6	24.6
10-11 PM	108	0.0	21	0.0	1500	108	0	21	0.51	0	63.7	59.1	41.6	24.7	24.7
11PM-MID	82	0.0	16	0.0	1500	82	0	16	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	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	0.0067
MAIN ROUTE WITH WORKS	0.0073
DIVERSION	0.0133

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$620
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
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR NORTHBOUND DIRECTION

