

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

AUGUST
Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT
SUNDAY WESTBOUND 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	78	0.0	42	0.0	1500	78	0	42	0.43	0	66.3	63.3	45.2	34.3	34.3
1-2 AM	52	0.0	28	0.0	1500	52	0	28	0.43	0	66.3	63.4	45.3	34.5	34.5
2-3 AM	38	0.0	21	0.0	1500	38	0	21	0.43	0	66.3	63.5	45.3	34.5	34.5
3-4 AM	24	0.0	13	0.0	1500	24	0	13	0.42	0	66.3	63.5	45.4	34.7	34.7
4-5 AM	24	0.0	13	0.0	1500	24	0	13	0.42	0	66.3	63.5	45.4	34.7	34.7
5-6 AM	54	0.0	29	0.0	1500	54	0	29	0.43	0	66.3	63.4	45.3	34.5	34.5
6-7 AM	102	0.0	55	0.0	1500	102	0	55	0.43	0	66.2	63.3	45.1	34.2	34.2
7-8 AM	162	0.0	87	0.0	1500	162	0	87	0.44	0	66.1	63.2	44.8	33.8	33.8
8-9 AM	292	0.0	156	0.0	1500	292	0	156	0.45	0	65.8	62.9	44.3	33.0	33.0
9-10 AM	438	0.0	236	0.0	1500	438	0	236	0.46	0	65.6	62.5	43.7	32.2	32.2
10-11 AM	637	0.0	342	0.0	1500	637	0	342	0.48	0	65.2	62.1	43.0	31.1	31.1
11A-NOON	753	0.0	403	0.0	1500	753	0	403	0.50	0	65.0	61.9	42.5	30.4	30.4
NOON-1PM	764	0.0	411	0.0	1500	764	0	411	0.50	0	65.0	61.8	42.5	30.3	30.3
1-2 PM	716	0.0	384	0.0	1500	716	0	384	0.49	0	65.1	61.9	42.7	30.6	30.6
2-3 PM	686	0.0	368	0.0	1500	686	0	368	0.49	0	65.1	62.0	42.8	30.7	30.7
3-4 PM	637	0.0	342	0.0	1500	637	0	342	0.48	0	65.2	62.1	43.0	31.1	31.1
4-5 PM	593	0.0	318	0.0	1500	593	0	318	0.48	0	65.3	62.2	43.2	31.3	31.3
5-6 PM	560	0.0	301	0.0	1500	560	0	301	0.48	0	65.3	62.3	43.3	31.5	31.5
6-7 PM	458	0.0	246	0.0	1500	458	0	246	0.47	0	65.5	62.5	43.7	32.1	32.1
7-8 PM	412	0.0	221	0.0	1500	412	0	221	0.46	0	65.6	62.6	43.8	32.4	32.4
8-9 PM	321	0.0	172	0.0	1500	321	0	172	0.45	0	65.8	62.8	44.2	32.9	32.9
9-10 PM	218	0.0	117	0.0	1500	218	0	117	0.44	0	66.0	63.0	44.6	33.5	33.5
10-11 PM	139	0.0	75	0.0	1500	139	0	75	0.44	0	66.1	63.2	45.0	34.0	34.0
11PM-MID	117	0.0	63	0.0	1500	117	0	63	0.43	0	66.1	63.3	45.0	34.1	34.1

----- 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	0.0138
MAIN ROUTE WITH WORKS	0.0133
DIVERSION	0.0611

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

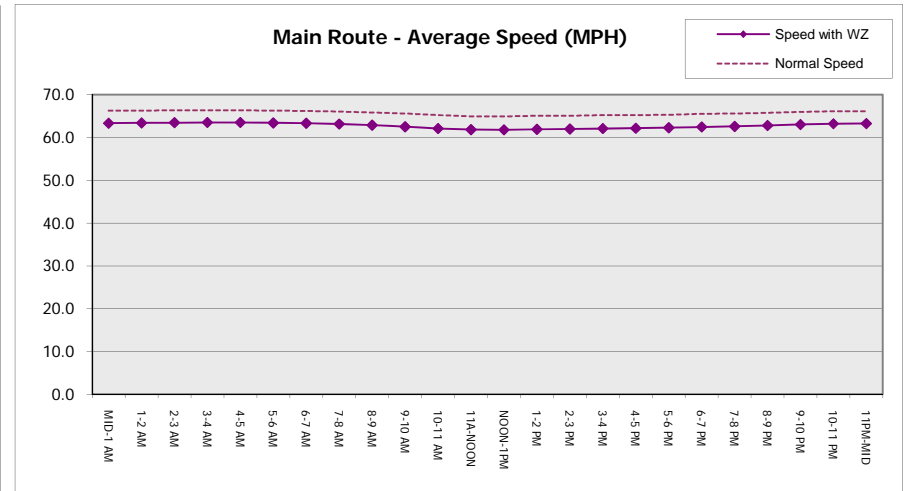
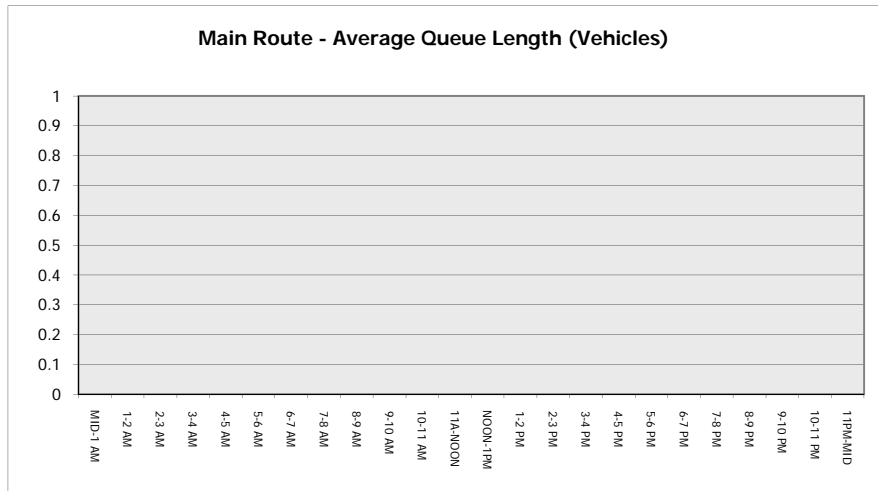
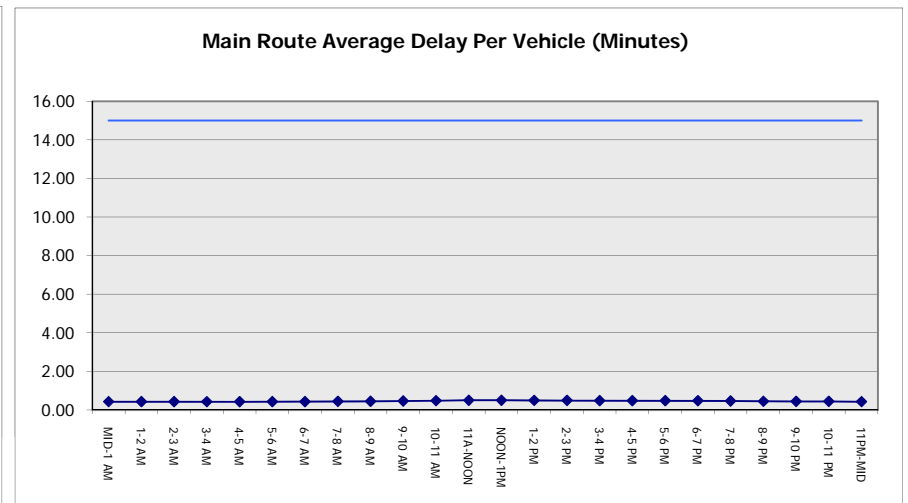
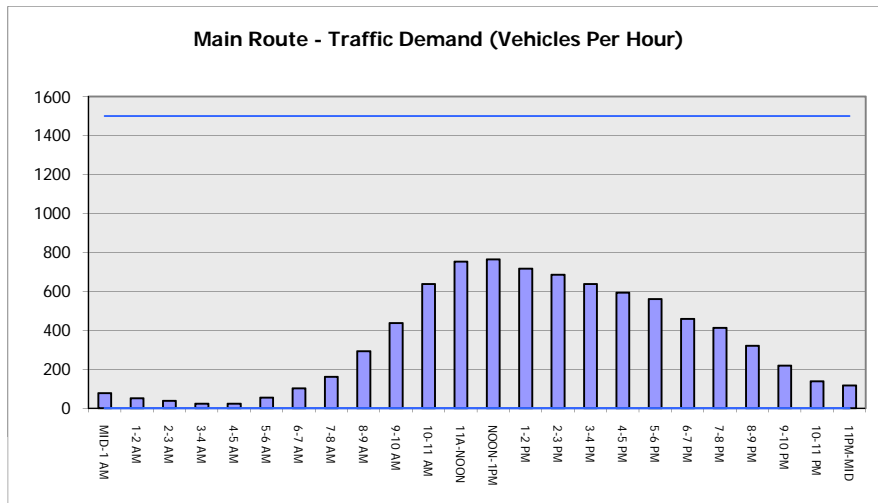
ROAD USER COSTS PER DAY (DOLLARS)	\$1,015
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: CTH CB - CTH II**

AUGUST
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



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

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY EASTBOUND 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	87	0.0	46	0.0	1500	87	0	46	0.43	0	66.2	63.3	45.1	34.3	34.3
1-2 AM	53	0.0	29	0.0	1500	53	0	29	0.43	0	66.3	63.4	45.3	34.5	34.5
2-3 AM	42	0.0	22	0.0	1500	42	0	22	0.43	0	66.3	63.5	45.3	34.5	34.5
3-4 AM	38	0.0	20	0.0	1500	38	0	20	0.43	0	66.3	63.5	45.3	34.6	34.6
4-5 AM	36	0.0	19	0.0	1500	36	0	19	0.43	0	66.3	63.5	45.3	34.6	34.6
5-6 AM	65	0.0	35	0.0	1500	65	0	35	0.43	0	66.3	63.4	45.2	34.4	34.4
6-7 AM	96	0.0	51	0.0	1500	96	0	51	0.43	0	66.2	63.3	45.1	34.2	34.2
7-8 AM	161	0.0	86	0.0	1500	161	0	86	0.44	0	66.1	63.2	44.8	33.8	33.8
8-9 AM	308	0.0	166	0.0	1500	308	0	166	0.45	0	65.8	62.8	44.3	33.0	33.0
9-10 AM	498	0.0	268	0.0	1500	498	0	268	0.47	0	65.5	62.4	43.5	31.9	31.9
10-11 AM	733	0.0	393	0.0	1500	733	0	393	0.49	0	65.0	61.9	42.7	30.5	30.5
11A-NOON	908	0.0	488	0.0	1500	908	0	488	0.51	0	64.7	61.5	42.0	29.4	29.4
NOON-1PM	937	0.0	503	0.0	1500	937	0	503	0.51	0	64.6	61.4	41.9	29.2	29.2
1-2 PM	1015	0.0	544	0.0	1500	1015	0	544	0.52	0	64.5	61.2	41.6	28.8	28.8
2-3 PM	1091	0.0	586	0.0	1500	1091	0	586	0.53	0	64.3	61.0	41.4	28.4	28.4
3-4 PM	1159	0.0	622	0.0	1500	1159	0	622	0.58	0	64.2	60.6	39.8	27.9	27.9
4-5 PM	1151	0.0	618	0.0	1500	1151	0	618	0.57	0	64.2	60.7	40.1	28.0	28.0
5-6 PM	1095	0.0	588	0.0	1500	1095	0	588	0.53	0	64.3	61.0	41.4	28.3	28.3
6-7 PM	977	0.0	524	0.0	1500	977	0	524	0.52	0	64.6	61.3	41.7	29.1	29.1
7-8 PM	813	0.0	436	0.0	1500	813	0	436	0.50	0	64.9	61.7	42.4	30.0	30.0
8-9 PM	623	0.0	334	0.0	1500	623	0	334	0.48	0	65.2	62.1	43.0	31.1	31.1
9-10 PM	406	0.0	218	0.0	1500	406	0	218	0.46	0	65.6	62.6	43.8	32.4	32.4
10-11 PM	225	0.0	121	0.0	1500	225	0	121	0.44	0	66.0	63.0	44.6	33.5	33.5
11PM-MID	120	0.0	64	0.0	1500	120	0	64	0.43	0	66.1	63.3	45.0	34.1	34.1

----- 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	0.0211
MAIN ROUTE WITH WORKS	0.0203
DIVERSION	0.0932

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,675
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: CTH CB - CTH II**

AUGUST
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

