

**USH 151: STH 22 TO USH 141 (CONTO COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 141 - STH 22**

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	32	0.0	19	0.0	1500	32	0	19	0.50	0	63.8	61.1	41.9	39.5	39.5
1-2 AM	20	0.0	12	0.0	1500	20	0	12	0.50	0	63.8	61.1	41.9	39.6	39.6
2-3 AM	14	0.0	8	0.0	1500	14	0	8	0.50	0	63.9	61.1	42.0	39.6	39.6
3-4 AM	19	0.0	10	0.0	1500	19	0	10	0.50	0	63.8	61.1	41.9	39.6	39.6
4-5 AM	32	0.0	19	0.0	1500	32	0	19	0.50	0	63.8	61.1	41.9	39.5	39.5
5-6 AM	53	0.0	30	0.0	1500	53	0	30	0.50	0	63.8	61.0	41.8	39.4	39.4
6-7 AM	67	0.0	39	0.0	1500	67	0	39	0.51	0	63.8	61.0	41.8	39.2	39.2
7-8 AM	116	0.0	67	0.0	1500	116	0	67	0.51	0	63.7	60.9	41.6	38.9	38.9
8-9 AM	231	0.0	134	0.0	1500	231	0	134	0.52	0	63.5	60.6	41.2	38.1	38.1
9-10 AM	381	0.0	221	0.0	1500	381	0	221	0.53	0	63.2	60.3	40.7	37.0	37.0
10-11 AM	460	0.0	266	0.0	1500	460	0	266	0.54	0	63.0	60.1	40.4	36.5	36.5
11A-NOON	475	0.0	274	0.0	1500	475	0	274	0.54	0	63.0	60.1	40.4	36.3	36.3
NOON-1PM	500	0.0	289	0.0	1500	500	0	289	0.55	0	63.0	60.1	40.3	36.1	36.1
1-2 PM	480	0.0	277	0.0	1500	480	0	277	0.54	0	63.0	60.1	40.4	36.3	36.3
2-3 PM	478	0.0	276	0.0	1500	478	0	276	0.54	0	63.0	60.1	40.4	36.3	36.3
3-4 PM	455	0.0	263	0.0	1500	455	0	263	0.54	0	63.0	60.2	40.4	36.5	36.5
4-5 PM	451	0.0	260	0.0	1500	451	0	260	0.54	0	63.0	60.2	40.4	36.5	36.5
5-6 PM	417	0.0	241	0.0	1500	417	0	241	0.54	0	63.1	60.2	40.6	36.8	36.8
6-7 PM	330	0.0	190	0.0	1500	330	0	190	0.53	0	63.3	60.4	40.9	37.4	37.4
7-8 PM	269	0.0	155	0.0	1500	269	0	155	0.52	0	63.4	60.5	41.0	37.8	37.8
8-9 PM	194	0.0	112	0.0	1500	194	0	112	0.52	0	63.5	60.7	41.3	38.4	38.4
9-10 PM	107	0.0	62	0.0	1500	107	0	62	0.51	0	63.7	60.9	41.6	39.0	39.0
10-11 PM	64	0.0	37	0.0	1500	64	0	37	0.50	0	63.8	61.0	41.8	39.3	39.3
11PM-MID	32	0.0	19	0.0	1500	32	0	19	0.50	0	63.8	61.1	41.9	39.5	39.5

----- 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	0.0110
MAIN ROUTE WITH WORKS	0.0117
DIVERSION	0.0570

PIA: Personal Injury Accidents

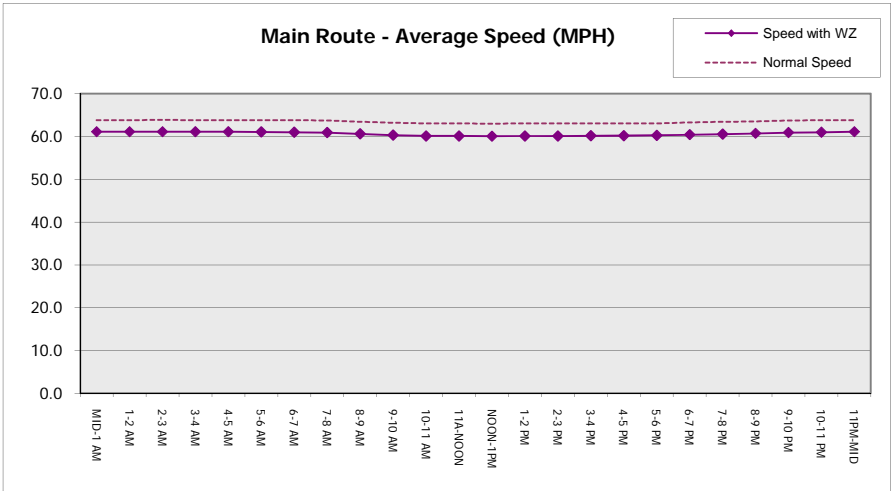
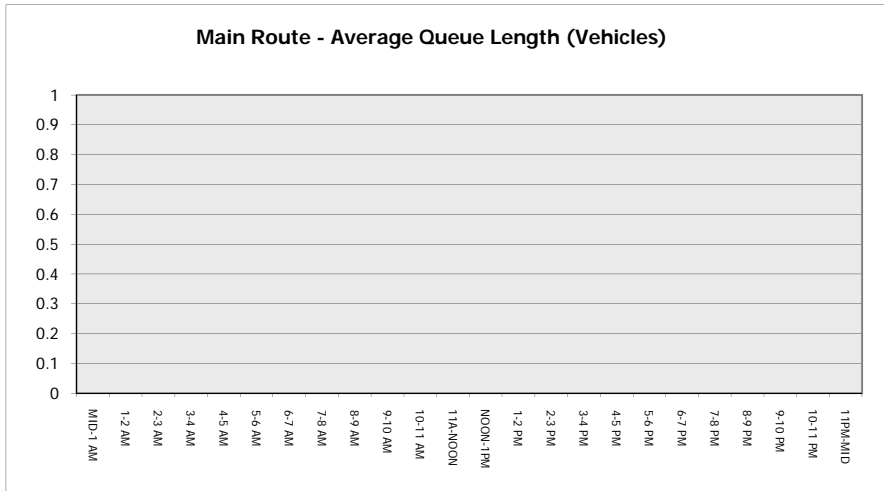
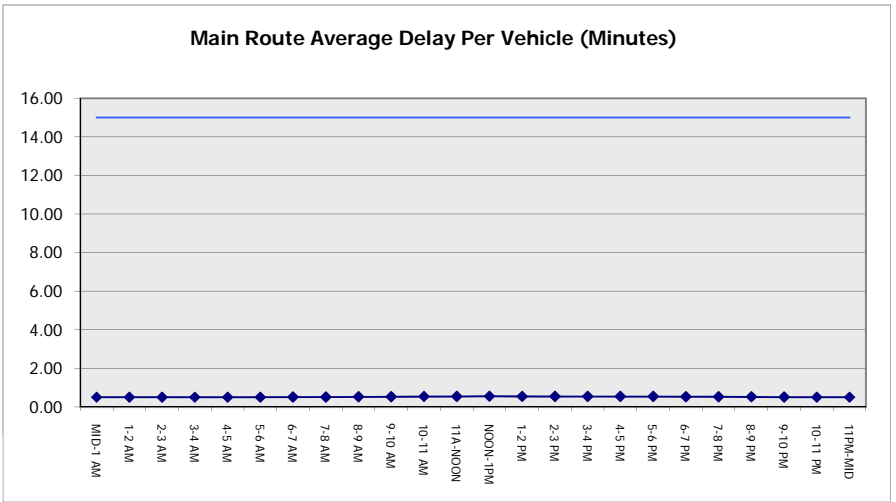
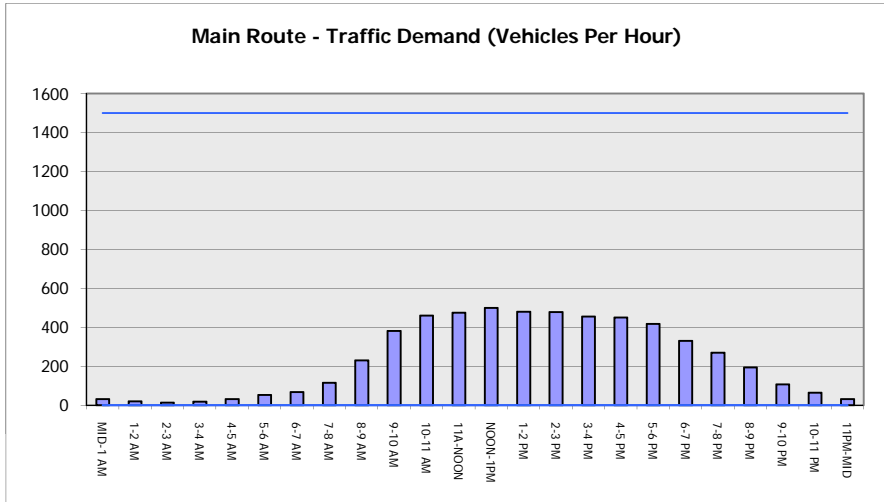
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$787
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

USH 151: STH 22 TO USH 141 (OCONTO COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 141 - STH 22

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



USH 151: STH 22 TO USH 141 (OCONTO COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 141 - STH 22	OCTOBER
	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	75	0.0	43	0.0	1500	75	0	43	0.51	0	63.8	61.0	41.7	39.2	39.2
1-2 AM	31	0.0	18	0.0	1500	31	0	18	0.50	0	63.8	61.1	41.9	39.5	39.5
2-3 AM	32	0.0	19	0.0	1500	32	0	19	0.50	0	63.8	61.1	41.9	39.5	39.5
3-4 AM	23	0.0	14	0.0	1500	23	0	14	0.50	0	63.8	61.1	41.9	39.6	39.6
4-5 AM	32	0.0	19	0.0	1500	32	0	19	0.50	0	63.8	61.1	41.9	39.5	39.5
5-6 AM	34	0.0	20	0.0	1500	34	0	20	0.50	0	63.8	61.0	41.9	39.5	39.5
6-7 AM	70	0.0	40	0.0	1500	70	0	40	0.51	0	63.8	61.0	41.7	39.2	39.2
7-8 AM	88	0.0	50	0.0	1500	88	0	50	0.51	0	63.7	61.0	41.7	39.1	39.1
8-9 AM	141	0.0	82	0.0	1500	141	0	82	0.51	0	63.7	60.9	41.5	38.8	38.8
9-10 AM	179	0.0	104	0.0	1500	179	0	104	0.52	0	63.6	60.7	41.4	38.4	38.4
10-11 AM	249	0.0	144	0.0	1500	249	0	144	0.52	0	63.5	60.6	41.1	37.9	37.9
11A-NOON	298	0.0	173	0.0	1500	298	0	173	0.53	0	63.3	60.5	41.0	37.6	37.6
NOON-1PM	323	0.0	187	0.0	1500	323	0	187	0.53	0	63.3	60.4	40.9	37.4	37.4
1-2 PM	333	0.0	192	0.0	1500	333	0	192	0.53	0	63.3	60.4	40.9	37.4	37.4
2-3 PM	337	0.0	195	0.0	1500	337	0	195	0.53	0	63.3	60.4	40.9	37.3	37.3
3-4 PM	485	0.0	280	0.0	1500	485	0	280	0.54	0	63.0	60.1	40.4	36.3	36.3
4-5 PM	448	0.0	258	0.0	1500	448	0	258	0.54	0	63.1	60.2	40.5	36.5	36.5
5-6 PM	349	0.0	202	0.0	1500	349	0	202	0.53	0	63.3	60.4	40.8	37.3	37.3
6-7 PM	307	0.0	178	0.0	1500	307	0	178	0.53	0	63.3	60.5	40.9	37.5	37.5
7-8 PM	204	0.0	118	0.0	1500	204	0	118	0.52	0	63.5	60.7	41.3	38.3	38.3
8-9 PM	149	0.0	86	0.0	1500	149	0	86	0.51	0	63.7	60.8	41.5	38.7	38.7
9-10 PM	97	0.0	56	0.0	1500	97	0	56	0.51	0	63.7	60.9	41.7	39.1	39.1
10-11 PM	75	0.0	43	0.0	1500	75	0	43	0.51	0	63.8	61.0	41.7	39.2	39.2
11PM-MID	60	0.0	35	0.0	1500	60	0	35	0.50	0	63.8	61.0	41.8	39.3	39.3

----- 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	0.0086
MAIN ROUTE WITH WORKS	0.0091
DIVERSION	0.0444

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$604
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 141 - STH 22

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY NORTHBOUND DIRECTION

