

**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

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	38	0.0	22	0.0	1500	38	0	22	0.50	0	63.8	61.0	41.9	39.5	39.5
1-2 AM	24	0.0	14	0.0	1500	24	0	14	0.50	0	63.8	61.1	41.9	39.6	39.6
2-3 AM	20	0.0	12	0.0	1500	20	0	12	0.50	0	63.8	61.1	41.9	39.6	39.6
3-4 AM	30	0.0	18	0.0	1500	30	0	18	0.50	0	63.8	61.1	41.9	39.5	39.5
4-5 AM	45	0.0	26	0.0	1500	45	0	26	0.50	0	63.8	61.0	41.9	39.4	39.4
5-6 AM	79	0.0	45	0.0	1500	79	0	45	0.51	0	63.8	61.0	41.7	39.2	39.2
6-7 AM	122	0.0	70	0.0	1500	122	0	70	0.51	0	63.7	60.9	41.5	38.9	38.9
7-8 AM	176	0.0	103	0.0	1500	176	0	103	0.52	0	63.6	60.7	41.4	38.4	38.4
8-9 AM	261	0.0	151	0.0	1500	261	0	151	0.52	0	63.4	60.5	41.1	37.9	37.9
9-10 AM	375	0.0	217	0.0	1500	375	0	217	0.53	0	63.2	60.3	40.7	37.1	37.1
10-11 AM	435	0.0	251	0.0	1500	435	0	251	0.54	0	63.1	60.2	40.5	36.6	36.6
11A-NOON	433	0.0	250	0.0	1500	433	0	250	0.54	0	63.1	60.2	40.5	36.6	36.6
NOON-1PM	401	0.0	231	0.0	1500	401	0	231	0.54	0	63.2	60.2	40.6	36.9	36.9
1-2 PM	365	0.0	211	0.0	1500	365	0	211	0.53	0	63.2	60.4	40.7	37.1	37.1
2-3 PM	365	0.0	211	0.0	1500	365	0	211	0.53	0	63.2	60.4	40.7	37.1	37.1
3-4 PM	347	0.0	201	0.0	1500	347	0	201	0.53	0	63.3	60.4	40.8	37.3	37.3
4-5 PM	359	0.0	207	0.0	1500	359	0	207	0.53	0	63.2	60.4	40.7	37.2	37.2
5-6 PM	305	0.0	177	0.0	1500	305	0	177	0.53	0	63.3	60.5	40.9	37.6	37.6
6-7 PM	235	0.0	136	0.0	1500	235	0	136	0.52	0	63.5	60.6	41.2	38.1	38.1
7-8 PM	207	0.0	119	0.0	1500	207	0	119	0.52	0	63.5	60.7	41.3	38.3	38.3
8-9 PM	164	0.0	95	0.0	1500	164	0	95	0.51	0	63.6	60.8	41.4	38.6	38.6
9-10 PM	121	0.0	70	0.0	1500	121	0	70	0.51	0	63.7	60.9	41.5	38.9	38.9
10-11 PM	101	0.0	59	0.0	1500	101	0	59	0.51	0	63.7	60.9	41.7	39.0	39.0
11PM-MID	77	0.0	44	0.0	1500	77	0	44	0.51	0	63.8	61.0	41.7	39.2	39.2

----- 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	0.0099
MAIN ROUTE WITH WORKS	0.0104
DIVERSION	0.0511

PIA: Personal Injury Accidents

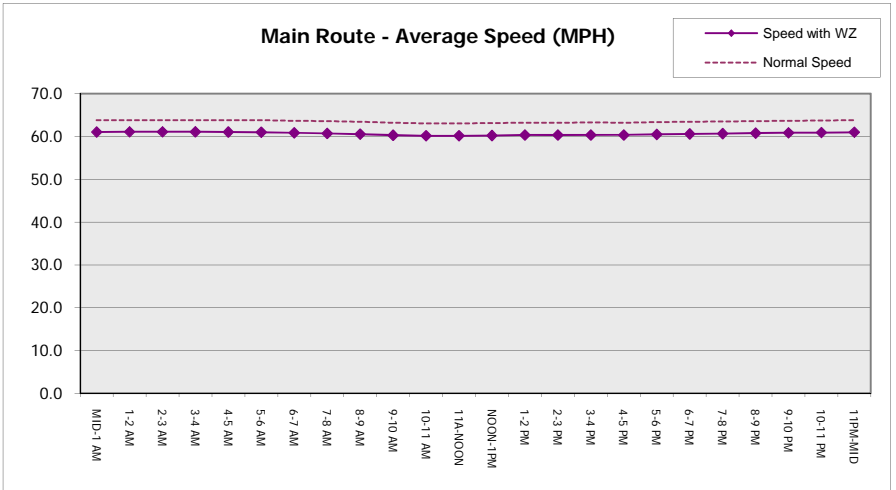
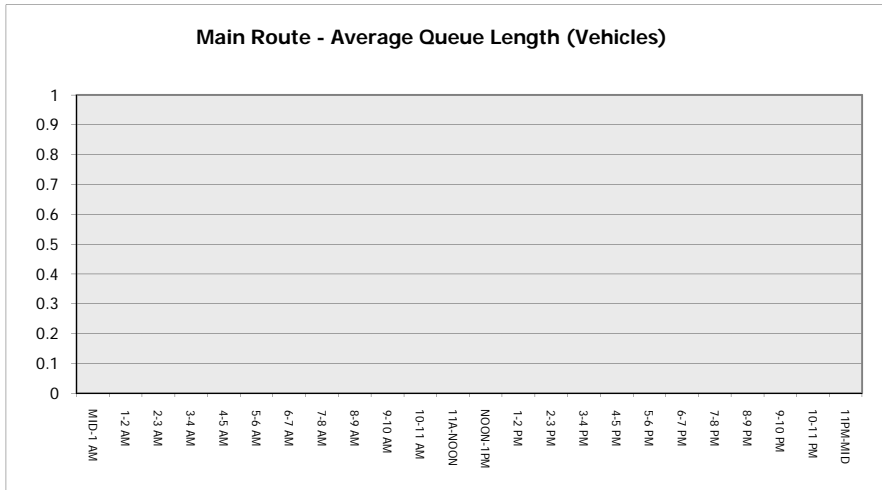
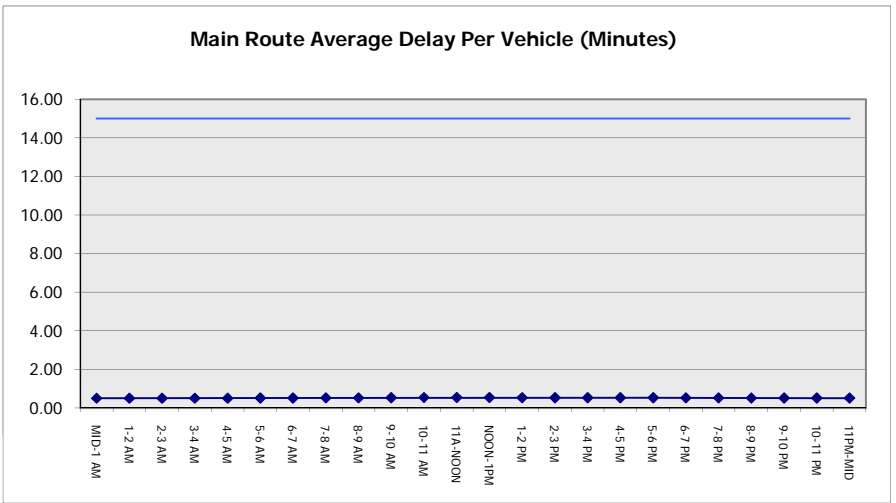
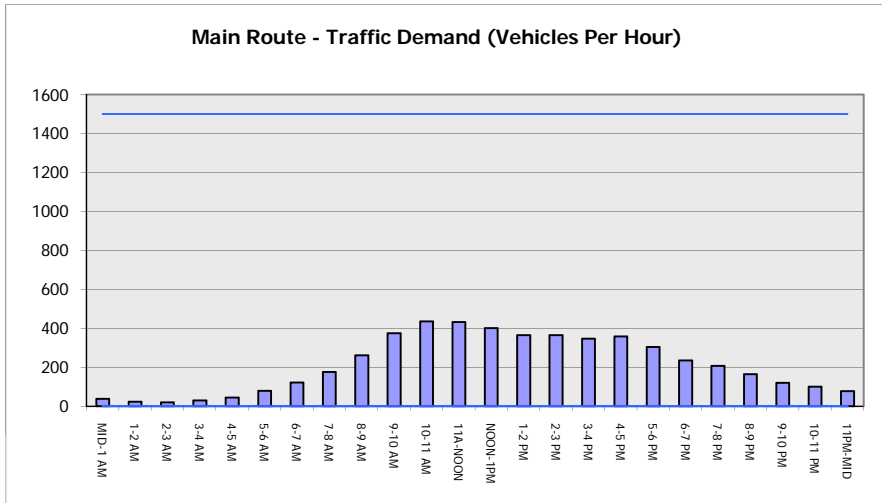
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$684
CONGESTED HOURS PER DAY*	0

*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
SATURDAY 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

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	79	0.0	46	0.0	1500	79	0	46	0.51	0	63.8	61.0	41.7	39.2	39.2
1-2 AM	38	0.0	21	0.0	1500	38	0	21	0.50	0	63.8	61.0	41.9	39.5	39.5
2-3 AM	40	0.0	23	0.0	1500	40	0	23	0.50	0	63.8	61.0	41.9	39.4	39.4
3-4 AM	20	0.0	12	0.0	1500	20	0	12	0.50	0	63.8	61.1	41.9	39.6	39.6
4-5 AM	47	0.0	27	0.0	1500	47	0	27	0.50	0	63.8	61.0	41.9	39.4	39.4
5-6 AM	87	0.0	50	0.0	1500	87	0	50	0.51	0	63.7	61.0	41.7	39.1	39.1
6-7 AM	135	0.0	77	0.0	1500	135	0	77	0.51	0	63.7	60.9	41.5	38.8	38.8
7-8 AM	179	0.0	104	0.0	1500	179	0	104	0.52	0	63.6	60.7	41.4	38.4	38.4
8-9 AM	249	0.0	144	0.0	1500	249	0	144	0.52	0	63.5	60.6	41.1	37.9	37.9
9-10 AM	324	0.0	187	0.0	1500	324	0	187	0.53	0	63.3	60.4	40.9	37.4	37.4
10-11 AM	410	0.0	236	0.0	1500	410	0	236	0.54	0	63.2	60.2	40.6	36.8	36.8
11A-NOON	427	0.0	247	0.0	1500	427	0	247	0.54	0	63.1	60.2	40.6	36.7	36.7
NOON-1PM	380	0.0	220	0.0	1500	380	0	220	0.53	0	63.2	60.3	40.7	37.0	37.0
1-2 PM	411	0.0	237	0.0	1500	411	0	237	0.54	0	63.2	60.2	40.6	36.8	36.8
2-3 PM	371	0.0	214	0.0	1500	371	0	214	0.53	0	63.2	60.4	40.7	37.1	37.1
3-4 PM	430	0.0	249	0.0	1500	430	0	249	0.54	0	63.1	60.2	40.6	36.6	36.6
4-5 PM	387	0.0	224	0.0	1500	387	0	224	0.54	0	63.2	60.3	40.7	36.9	36.9
5-6 PM	324	0.0	187	0.0	1500	324	0	187	0.53	0	63.3	60.4	40.9	37.4	37.4
6-7 PM	296	0.0	172	0.0	1500	296	0	172	0.53	0	63.3	60.5	41.0	37.6	37.6
7-8 PM	247	0.0	143	0.0	1500	247	0	143	0.52	0	63.5	60.6	41.1	37.9	37.9
8-9 PM	200	0.0	115	0.0	1500	200	0	115	0.52	0	63.5	60.7	41.3	38.3	38.3
9-10 PM	175	0.0	101	0.0	1500	175	0	101	0.52	0	63.6	60.7	41.4	38.5	38.5
10-11 PM	119	0.0	68	0.0	1500	119	0	68	0.51	0	63.7	60.9	41.6	38.9	38.9
11PM-MID	104	0.0	60	0.0	1500	104	0	60	0.51	0	63.7	60.9	41.6	39.0	39.0

----- 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	0.0107
MAIN ROUTE WITH WORKS	0.0112
DIVERSION	0.0550

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$740
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
SATURDAY NORTHBOUND DIRECTION

