

**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

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	20	0.0	12	0.0	1500	20	0	12	0.50	0	63.8	61.1	41.9	39.6	39.6
1-2 AM	16	0.0	9	0.0	1500	16	0	9	0.50	0	63.9	61.1	41.9	39.6	39.6
2-3 AM	24	0.0	14	0.0	1500	24	0	14	0.50	0	63.8	61.1	41.9	39.6	39.6
3-4 AM	44	0.0	25	0.0	1500	44	0	25	0.50	0	63.8	61.0	41.9	39.4	39.4
4-5 AM	119	0.0	68	0.0	1500	119	0	68	0.51	0	63.7	60.9	41.6	38.9	38.9
5-6 AM	254	0.0	146	0.0	1500	254	0	146	0.52	0	63.4	60.6	41.1	37.9	37.9
6-7 AM	356	0.0	206	0.0	1500	356	0	206	0.53	0	63.2	60.4	40.8	37.2	37.2
7-8 AM	396	0.0	229	0.0	1500	396	0	229	0.54	0	63.2	60.3	40.6	36.9	36.9
8-9 AM	325	0.0	188	0.0	1500	325	0	188	0.53	0	63.3	60.4	40.9	37.4	37.4
9-10 AM	331	0.0	191	0.0	1500	331	0	191	0.53	0	63.3	60.4	40.9	37.4	37.4
10-11 AM	341	0.0	198	0.0	1500	341	0	198	0.53	0	63.3	60.4	40.8	37.3	37.3
11A-NOON	344	0.0	199	0.0	1500	344	0	199	0.53	0	63.3	60.4	40.8	37.3	37.3
NOON-1PM	338	0.0	196	0.0	1500	338	0	196	0.53	0	63.3	60.4	40.9	37.3	37.3
1-2 PM	345	0.0	200	0.0	1500	345	0	200	0.53	0	63.3	60.4	40.8	37.3	37.3
2-3 PM	364	0.0	210	0.0	1500	364	0	210	0.53	0	63.2	60.4	40.7	37.1	37.1
3-4 PM	412	0.0	239	0.0	1500	412	0	239	0.54	0	63.2	60.2	40.6	36.8	36.8
4-5 PM	453	0.0	263	0.0	1500	453	0	263	0.54	0	63.0	60.2	40.4	36.5	36.5
5-6 PM	396	0.0	228	0.0	1500	396	0	228	0.54	0	63.2	60.3	40.6	36.9	36.9
6-7 PM	240	0.0	138	0.0	1500	240	0	138	0.52	0	63.5	60.6	41.2	38.0	38.0
7-8 PM	158	0.0	91	0.0	1500	158	0	91	0.51	0	63.6	60.8	41.4	38.6	38.6
8-9 PM	110	0.0	64	0.0	1500	110	0	64	0.51	0	63.7	60.9	41.6	38.9	38.9
9-10 PM	75	0.0	43	0.0	1500	75	0	43	0.51	0	63.8	61.0	41.7	39.2	39.2
10-11 PM	54	0.0	30	0.0	1500	54	0	30	0.50	0	63.8	61.0	41.8	39.4	39.4
11PM-MID	38	0.0	22	0.0	1500	38	0	22	0.50	0	63.8	61.0	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	0.0108
MAIN ROUTE WITH WORKS	0.0114
DIVERSION	0.0558

PIA: Personal Injury Accidents

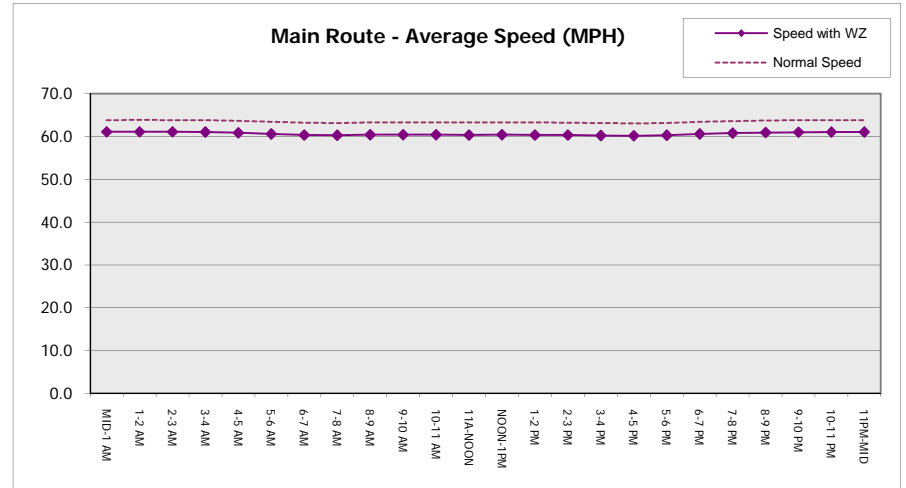
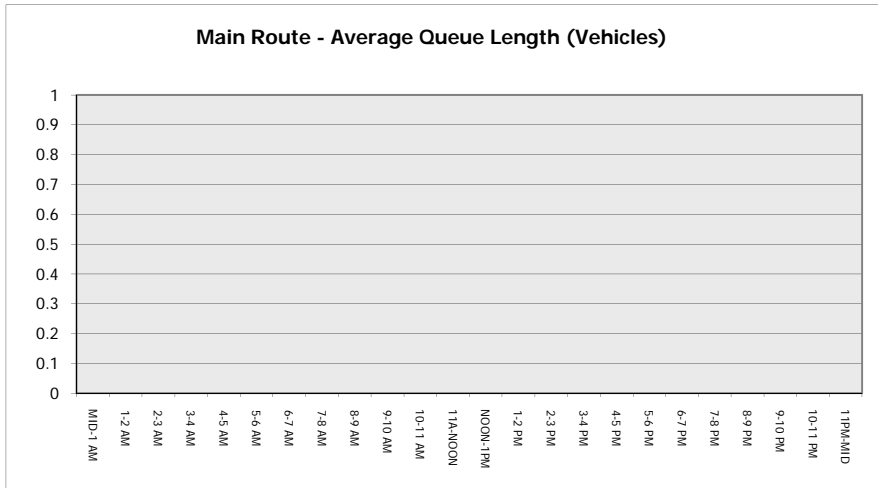
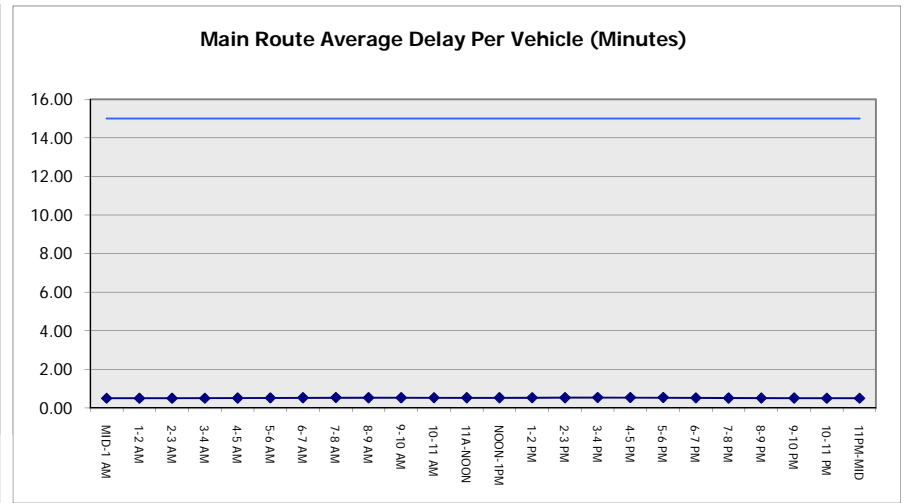
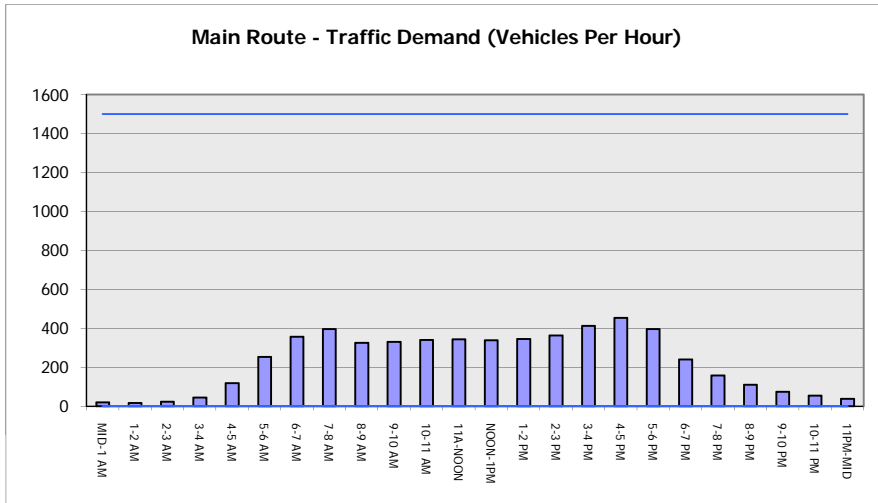
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$590
CONGESTED HOURS PER DAY*	0

*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
MON-THUR 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

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	40	0.0	23	0.0	1500	40	0	23	0.50	0	63.8	61.0	41.9	39.4	39.4
1-2 AM	24	0.0	15	0.0	1500	24	0	15	0.50	0	63.8	61.1	41.9	39.6	39.6
2-3 AM	27	0.0	16	0.0	1500	27	0	16	0.50	0	63.8	61.1	41.9	39.6	39.6
3-4 AM	28	0.0	16	0.0	1500	28	0	16	0.50	0	63.8	61.1	41.9	39.6	39.6
4-5 AM	67	0.0	39	0.0	1500	67	0	39	0.51	0	63.8	61.0	41.8	39.2	39.2
5-6 AM	158	0.0	91	0.0	1500	158	0	91	0.51	0	63.6	60.8	41.4	38.6	38.6
6-7 AM	299	0.0	174	0.0	1500	299	0	174	0.53	0	63.3	60.5	41.0	37.6	37.6
7-8 AM	336	0.0	195	0.0	1500	336	0	195	0.53	0	63.3	60.4	40.9	37.3	37.3
8-9 AM	319	0.0	184	0.0	1500	319	0	184	0.53	0	63.3	60.4	40.9	37.4	37.4
9-10 AM	276	0.0	160	0.0	1500	276	0	160	0.52	0	63.4	60.5	41.0	37.8	37.8
10-11 AM	292	0.0	168	0.0	1500	292	0	168	0.53	0	63.3	60.5	41.0	37.6	37.6
11A-NOON	296	0.0	172	0.0	1500	296	0	172	0.53	0	63.3	60.5	41.0	37.6	37.6
NOON-1PM	309	0.0	179	0.0	1500	309	0	179	0.53	0	63.3	60.5	40.9	37.5	37.5
1-2 PM	332	0.0	191	0.0	1500	332	0	191	0.53	0	63.3	60.4	40.9	37.4	37.4
2-3 PM	362	0.0	209	0.0	1500	362	0	209	0.53	0	63.2	60.4	40.7	37.1	37.1
3-4 PM	448	0.0	259	0.0	1500	448	0	259	0.54	0	63.1	60.2	40.5	36.5	36.5
4-5 PM	500	0.0	289	0.0	1500	500	0	289	0.55	0	63.0	60.1	40.3	36.1	36.1
5-6 PM	454	0.0	264	0.0	1500	454	0	264	0.54	0	63.0	60.2	40.4	36.5	36.5
6-7 PM	294	0.0	171	0.0	1500	294	0	171	0.53	0	63.3	60.5	41.0	37.6	37.6
7-8 PM	230	0.0	133	0.0	1500	230	0	133	0.52	0	63.5	60.6	41.2	38.1	38.1
8-9 PM	181	0.0	105	0.0	1500	181	0	105	0.52	0	63.6	60.7	41.4	38.4	38.4
9-10 PM	133	0.0	76	0.0	1500	133	0	76	0.51	0	63.7	60.9	41.5	38.8	38.8
10-11 PM	105	0.0	62	0.0	1500	105	0	62	0.51	0	63.7	60.9	41.6	39.0	39.0
11PM-MID	95	0.0	53	0.0	1500	95	0	53	0.51	0	63.7	60.9	41.7	39.1	39.1

----- 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	0.0109
MAIN ROUTE WITH WORKS	0.0115
DIVERSION	0.0564

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$596
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

MON-THUR NORTHBOUND DIRECTION

