

Conducting Bicycle and Pedestrian Counts:



Volunteer Training

MnDOT Bicycle and Pedestrian Counting Initiative



















Recommended Annual Dates

- September 15, 16, 17, 2014 (Tu, Wed, Th)
 - Peak hour: 4:00 p.m. 6:00 or 7:00 p.m.
 - 12-hour day: 7:00 a.m. 7:00 p.m.
- September 19 (Sat)
 - Peak hours: 10:00 a.m. noon or 2:00 p.m.
 - 12 hour day: 7:00 a.m. 7:00 p.m.
- Rain dates: Sept. 22, 23, 24, 26



















How to Use MnDOT Counting Form

- Complete all of the fields on both sides of this form.
- Count all bicyclists and pedestrians crossing your screen line under the appropriate categories. *Make only one tally mark for each person.*
- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle (i.e., bicyclists), not the number of bicycles.
- Pedestrians include all people not on bicycles. Record pedestrians in wheelchairs, on skates, on scooters, etc. in "Pedestrians Assisted" columns.
- Do your best when traffic volumes are high or people talk to you; it is easy to lost count. Do your best, but note if you lose track.
- If traffic volumes are high count bicycle and pedestrian totals and disregard other attributes.



















Screenline Counts

Location 21: Central Avenue NE north of Lowry Ave



Counter location 🥎

Screen line



Screenline counts:

Imaginary line perpendicular to street

Count all persons on bike or feet who cross screenline within street right-of-way

Count both directions

Use consistent location for observation



















How to Use MnDOT Counting Form

MNDOT STANDARD MANUAL SCREENLINE COUNT FORM DRAFT July 23, 2012

1	ime		Blcycl	llete				Pede	etrlane				
							Unasi	sisted		Assisted (skaters,	wheelchair	rs, etc.)
	ı	Male		Femal	e	Male		Female		Ma	e	Fem	nale :
Hour	Minutes	Adult	Child	Adult	Child	Adult	Child	Adult	Child	Adult	Child	Adult	Child
	:00:15												
													1
	:15:30												1
													1
					_		-				_		-
	:30::45												1
													1
	:45::00		+ +		+				+		+		_
						0 /							1
							1						1
Hour 1:	Subtotal												
	:00:15						1						
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	\longrightarrow		\perp										
	:15:30												1
													1
	:30::45		+		-				+		+		
					4 (7							1
						J.							1
	:45::00								+		1		
													1
Hour 2	Subtotal												
Haur 2	. Unio O												
Hour 1 -	+ Hour 2												
	ur Total -												
All Attrit													



















Conducting the count



*Make a note of any unusual thing that impacted the count at the bottom of the sheet or in space on back.

Two-hour counts (4:00 -6:00 pm)

Start on time (<u>arrive</u> <u>early!</u>)

Include name, date & Location with ID

See instructions on form



















Recording Bikes and Peds

Every person (bicyclist or pedestrian) is always counted.

	Time Bicyclists				Pedestrians								
							Unas	sisted		Assisted (s	katers,	wheelchain	s, etc.)
		Male		Female		Male		Female		Male		Fem	ale
Hour	Minutes	Adult Child Adult Child		Adult	Child	Adult	CHId	Adult	Child	Adult	Child		
	:00-:15												
	:15-:30												

Other attributes also may be tallied, including gender, direction of travel, or use of helmet, depending on purpose.



















Defining bikes and walkers



Bicycles – all pedal powered vehicles: tandems, recumbents, 3 wheelers, tag-alongs, trailers

Walkers – people on foot or assisted: joggers, skaters, segways, wheel chairs, strollers, crutches, scooters, children being carried, person walking a bicycle



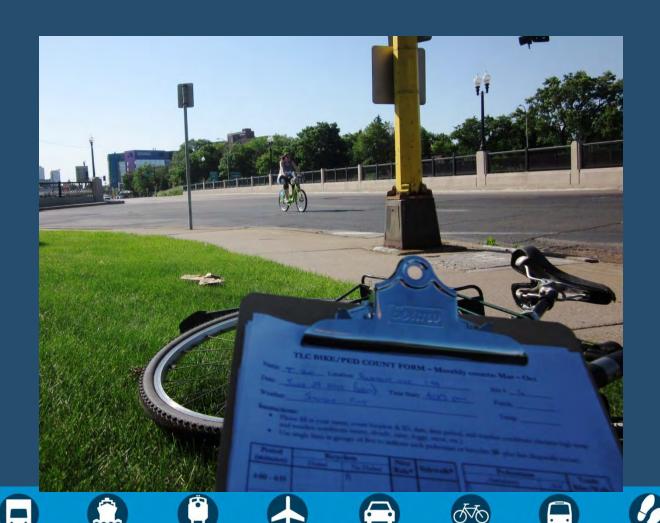






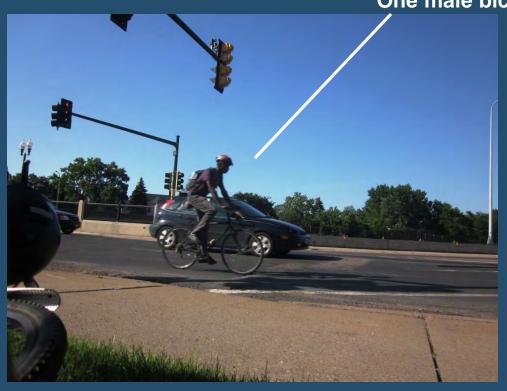


Example of Count Tallies





One male bicyclist



T	lme		Bleye	llata				Pedes	trlane				
							Unas	sisted		Assisted (s	skaters, i	wheelchain	s, etc.)
		Male		Female	:	Male	Male		Female		Male		iale
Hour	Minutes	Adult Child		Adult	Child	Adult Child		Adult	CHId	Adult	CHId	Adult	Child
	:00-:15							10					
	:15-:30												



One using assistive device (wheelchair)



Two female pedestrians

The Standard Standard													
I	lme		Bleye	llata				Pedes	trians				
							Unas	sisted		Assisted (8	skaters, i	wheelchain	s, etc.)
		Male	Male Adult I Child			Male		Female		Male		Fem	ale
Hour	Minutes	Adult Child Adult Child		Adult	Child	Adult	CHId	Adult	Child	Adult	Child		
	:00::15												
	:15-:30												
											1		



One male bicyclist



T	Time Bicyclists				Pedestrians								
							Unas	sisted		Assisted (s	katers,	wheelchain	s, etc.)
		Male		Female	:	Male		Female		Male		Female	
Hour	Minutes	Adult	CHId	Adult	Child	Adult	Child	Adult	CHId	Adult	Child	Adult	Child
	:00::15												
	:15::30							1 1					



Two - children

Two Assist



Four pedestrians: Three female; One male

T	ime		Bleye	llata				Pedes	trlane				
							Unas	sisted		Assisted (s	katers, i	wheelchair	8, etc.)
		Male				Male		Female		Male		Fem	ale
Hour	Minutes	Adult	CHId	Adult	Adult Child		CHId	Adult	CHId	Adult	CHId	Adult	Child
	:00::15												
											_		
	:15::30												
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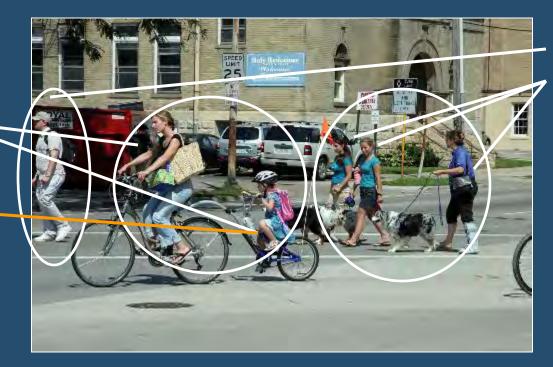
Image from Alta Planning National Bicycle and Pedestrian Documentation Project Examples courtesy of Alta Planning National Bicycle and Pedestrian Documentation Project

	Time		llata		Pedestrians								
							Unas	sisted		Assisted (skaters, i	wheelchair	s, etc.)
		Male		Female		Male		Female		Male		Fem	iale
Hour	Minutes	Adult	Child	Adult	Child	Adult	Child	Adult	CHId	Adult	Child	Adult	Child
	:00-:15	I			I			10					
	:15-:30												



Two female bicyclists;

One child



Four pedestrians One male; Three female

Т	lme		Bleye	liste				Pedes	triane				
							Unasi	sisted		Assisted (skaters, i	wheelchair	8, etc.)
				Female		Male		Female		Male		Female	
Hour	Minutes	Adult	Child	Adult	Adult Child		Child	Adult	Child	Adult	Child	Adult	Child
	:00::15			- 1	ı	I		<i>J</i> II (
	:15::30												



Two bicyclists:
One male;

One female

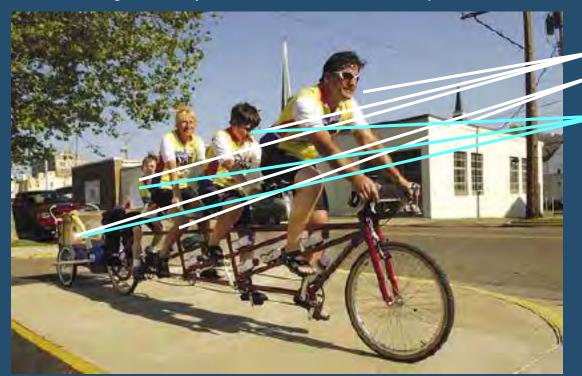


5 male pedestrians;
Two on assistive devices (in-line skates)

_													
I	lme		Bleye	llata				Pedes	trlane				
							Unas	sisted		Assisted (8	katers, i	wheelchain	s, etc.)
		Male Unites Adult I Child		Female		Male		Female		Male		Fem	ale
Hour	Minutes	Adult Child Adult Child		Adult	Child	Adult	Child	Adult	Child	Adult	Child		
	:00-:15							JII (II			
	:15::30												



Image from Alta Planning National Bicycle and Pedestrian Documentation Project



Five bicyclists:

Three male; Two female;

Three - children

Count each person not each bike!

esy of Alta Planning National Bicycle and Pedestrian Documentation Project

	The Bland of the Control of the Cont													
	me		Bleye	llata				Pedes	trlane					
							Unas	sisted		Assisted (8	katers, 1	wheelchain	s, etc.)	
	Male Female our Minutes Adult Child Adult Child					Male		Female		Male		Fem	ale	
Hour	Minutes	Adult	Adult Child		Child	Adult	Child	Adult	Child	Adult	Child	Adult	Child	
	:00::15	I	II	I	I			10						
	:15::30									-				



What to Take on Day of Count

- Instructions
- Location maps
- Count forms
- Clipboards
- Pens, pencils, and spares
- Watch, phone, or timepiece
- Public information sheet
- Safety vest (may be available from MnDOT)
- Optional: hat, sunscreen, jacket, folding chair ...





















How to Interact with Public

- Counter must
 - Maintain focus on counting
 - Explain politely what he or she is doing and reasons for count
 - Note if count interrupted
 - Provide person interrupting with print information about count (see example)



















Public Information Sheet for Counters

Bicyclist and Pedestrian Counting Program

We are participating in a project to study bicyclist and pedestrian traffic volumes for our community. For more information, you may contact [INSERT CONTACT NAME, NUMBER AND EMAIL]. I will be happy to answer your questions if possible, but I must keep focused on counting to ensure our counts are as accurate as possible. Thank you for your interest in our program.



















Work Zone Safety Considerations

- Your counting locations represents a "transportation work zone"
- Safety is your primary concern; do not take risks
- Wear safety vest or high visibility colors
- Do not interfere with traffic flow
- Contact count manager if questions arise



















After your shift

Return count form and other materials to:

(FILL IN YOUR INFORMATION HERE)



















Thank You

Your contact info here















