

# Soles & Spokes



The Pedestrian and Bicycle Plan for Chicago Area Transportation



*TASK 1 REPORT:*

## *Web-Based Survey*

**Prepared by**

**Chicago Area Transportation Study**

**Plan Development Division**

**With Assistance from the Center for Neighborhood Technology**

**And from the EK Team**

**Edwards and Kelcey  
Chicagoland Bicycle Federation  
League of Illinois Bicyclists  
T.Y. Lin International  
Suzan A. Pinsof and Associates  
Sprinkle Consulting**

**October, 2004**



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**October, 2004**

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## Executive Summary

As part of *Soles and Spokes: the Pedestrian and Bicycle Plan for Chicago Area Transportation (Soles and Spokes Plan)*, a Web survey was developed and executed part of an integrated public involvement strategy in support of plan development. The Web survey was designed to be an alternative available to those unable to attend a public involvement activity in person. The survey gathered information about the destinations to which people walk and bicycle, the factors making it easy or difficult to walk and bicycle, and a few travel questions.

We found that top destinations for walkers were errands, entertainment, and transit. Top destinations for bicyclists were errands, parks/exercise, and entertainment.

The most important question related to what conditions made walking and bicycling difficult or pleasant in northeastern Illinois. A wide variety of responses were made, which we categorized for tabulation. Respondents indicated that for both walking and bicycling, various aspects of the accommodations for their travel presented both the biggest challenges and supporting environments. Walkers were particularly concerned about road-side accommodations (e.g., sidewalks). Bicyclists identified on-road conditions as important in making trips easy or difficult; a large number identified off-road facilities as well.

Other top conditions identified as making walking pleasant or difficult included land use/site conditions, traffic conditions, and weather/air quality. Other top conditions identified as making bicycling pleasant or difficult included traffic conditions and personal issues (e.g., wanting to get exercise during travel).

A question asking about frequency of use by mode indicated frequent walking trips, with bicycling and driving trips being made less frequently.

Thus, the survey results indicate that there are important differences in what is important to bicyclists and pedestrians. For example, land use and site conditions were much less important for bicycling than walking. However, the data indicated the importance of physical accommodations for both walking and bicycling. The data also confirmed a major theme of the *Soles and Spokes Plan*, namely the link between transit and non-motorized transportation, especially walking.

The survey provided useful public input into policy development activities for the *Soles and Spokes Plan*.





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## **Introduction**

During the spring of 2003 the Chicago Area Transportation Study (CATS) conducted a Web-based survey in order to gauge perceptions of the walking and bicycling environment in northern Illinois. The survey was conducted as a mechanism to inform the development of *Soles and Spokes: the Pedestrian and Bicycle Plan for Chicago Area Transportation (Soles and Spokes Plan)*.<sup>1</sup>

## **Survey Design and Administration Procedures**

In order to gather a sufficient amount of relevant information, the *Soles and Spokes* survey was composed of open-ended questions so that respondents were not limited by predetermined answers.<sup>2</sup> The survey was pre-tested and validated prior to release.

The target audience consisted of respondents that are involved in and aware of pedestrian and bicycle transportation issues, including users and professionals representing all levels of government and the private sector. A notification email was sent out to list serves containing addresses of people that are involved in pedestrian and bicycle issues. Other people who visited the *Soles and Spokes* Web site may have also participated in the survey. This type of respondent also has some level of awareness of pedestrian and bicycle issues. Therefore, the respondent group does not represent the general public.

## **Analysis Procedures**

In order to analyze the survey data and minimize bias, the questions were designed to provide clear, concise answers that could easily be presented to decision-makers about perceptions of the environment.

- Where are typical walking and bicycling destinations?
- What challenges discourage people from walking and bicycling?
- What aspects of the pedestrian environment encourage and support a pleasant walking and bicycling environment?

323 surveys were collected.<sup>3</sup> Of the 323, seven duplicates were identified and edited out of the analysis, leaving 316 usable surveys. Because of the open-ended questions of the survey, each answer had to be coded into a category for the analysis. Many responses had more than one answer; these were coded into multiple categories.

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<sup>1</sup> The initial draft of this analysis was prepared under the direction of Gin Kilgore at the Center for Neighborhood Technology, and formerly of the CATS staff. Responsibility for this document lies with the Chicago Area Transportation Study in its role as lead agency for the *Soles and Spokes Plan*. CATS acknowledges the assistance provided by the Center for Neighborhood Technology.

<sup>2</sup> Soles & Spokes survey questionnaire. See Appendix A.

<sup>3</sup> Response Numbers of duplicates: 6 & 7, 8 & 9, 44 & 45, 50 & 51, 137 & 138, 140 & 141, 164 & 165, seven total sets of duplicate responses. All responses regarding destinations, including duplicates, can be found in Appendix B.

### Analysis Results: Destinations

Survey respondents answered two open-ended questions listing all of the places to which they typically walk and bicycle. These responses were broken down into nine different categories. Responses are tabulated in Tables 1 and 2.

#### Walking Destinations

The most common walking destination reported is errands, which include a wide range of activities. Entertainment was the second most common respondent destination. Large numbers of respondents reported transit, parks or exercise as typical destinations for their walking trips. Smaller numbers reported school and work as typical destinations. Most respondents indicated some destination, implying that they regularly spend some time in an area accessible by foot.

**Table 1**  
**Typical Walking Destinations Identified in *Soles and Spokes Web Survey***  
**Northeastern Illinois, Spring, 2003**

<i>Categories for Walking Destinations</i>	Totals
Errands (Grocery Stores, Bank, Post Office, Pharmacy, Book Store etc)	215
Entertainment (Restaurant, bars, coffee shops, movies, theater)	162
Transit	155
Park and Exercise	90
Work	46
School	41
Other	18
Religious	14
Everywhere	4
<i>Total Responses</i>	745

Source: Chicago Area Transportation Study, *Soles and Spokes Web Survey*. Note: Survey data is for public involvement purposes. Data are neither weighted nor necessarily representative.

#### Bicycling Destinations

Bicycling destination responses, shown in Table 2, were similar to those for walking. Errands again were the most common destination. Parks and recreation were a close second to errands. Many respondents answered that entertainment and work were typical destinations, each receiving over 100 responses.

Regarding parks and exercise, two comments are worth noting. First, many respondents listed the destination pejoratively, such as "crowded Lakefront Trail" or "congested trails." The large response of bicycling destinations being to parks and for exercise illustrates a demand for accommodating bicycles as a recreational activity. Second, several respondents stated that they drive to parks and then ride their bikes. These responses were not separated categorically from other responses.

**Table 2**  
**Typical Bicycling Destinations Identified in Soles and Spokes Web Survey**  
**Northeastern Illinois, Spring, 2003**

<i>Categories for Biking Destinations</i>	
Errands (Grocery Stores, Bank, Post Office, Pharmacy, Book Store etc)	150
Park and Exercise	141
Entertainment (Restaurant, bars, coffee shops, movies, theater)	118
Work	106
School	39
Transit	36
Other	26
Everywhere	14
Religious	8
<i>Total Responses</i>	<b>638</b>

Source: Chicago Area Transportation Study, *Soles and Spokes Web Survey*. Note: Survey data is for public involvement purposes. Data are neither weighted nor necessarily representative.

### **What Makes Walking and Bicycling Trips "Difficult" or "Easy and Pleasant"**

Survey respondents were asked to list three things that make walking and bicycling somewhere in northeastern Illinois difficult, and also what makes these trips easy and pleasant.<sup>4</sup> Table 3 presents a summary of the responses. A complete tally of responses to these questions is included as Appendix C.

The largest number of responses concerned accommodations for bicycle and pedestrian travel. For walking trips, more respondents gave positive ("easy and pleasant") responses than negative ("difficult") responses for accommodations. Accommodations that make walking pleasant include sidewalks (94 responses), grass, trees and landscaping (59), off-road trails (40), signals and signal timing for pedestrians (25), and wide sidewalks (24). Numerous other accommodations were mentioned.

Among the lack of accommodations and conditions that make walking difficult, most (135) concerned walking along roads. Specific concerns about walking accommodations along roadways were missing sidewalks (105 responses) and narrow or crowded sidewalks (15 responses). Other difficulties with walking accommodations along roads included a lack of accommodations during construction, sidewalk clutter, narrow shoulders, and a lack of separation from moving traffic.

<sup>4</sup> Respondents were given three fields to complete for each of the questions. Some respondents reported more than one idea in a field; each idea was tabulated. Some respondents did not complete all three fields for each question. Thus, the number of responses reported for each question will vary significantly.

	Walk Trips		Bicycle Trips	
	Makes Trips Difficult	Makes Trips Easy and Pleasant	Makes Trips Difficult	Makes Trips Easy and Pleasant
Traffic Conditions	148	23	290	51
Vehicle Parking	N.A.	N.A.	14	2
Provision or Lack of Walking and Bicycle Accommodations	General: 5	General: 4	General: 3	General: 2
	Conditions and Accommodations Along Road: 135	Conditions and Accommodations Along Road: 134	Conditions and Accommodations On-Road: 157	Conditions and Accommodations On-Road: 118
	At Crossings and Barriers: 82	At Crossings and Barriers: 61	At Crossings and Barriers: 25	At Crossings and Barriers: 6
	Conditions and Accommodations Off-Road: 16	Conditions and Accommodations Off-Road: 43	Conditions and Accommodations Off-Road: 90	Conditions and Accommodations Off-Road: 140
			Connectivity: 32	Connectivity: 18
			Parking for Bicycles: 48	Parking for Bicycles: 44
	Other Pedestrian Amenities: 26	Other Pedestrian Amenities: 85	Other Bicycle Amenities: 29	Other Bicycle Amenities: 39
	Subtotal: 264	Subtotal: 326	Subtotal: 384	Subtotal: 367
Weather and Air Quality	152	74	86	36
Land Use and Site Conditions	103	188	14	63
Maintenance of Facilities	95	36	58	27
Personal Issues	37	92	34	150
Other	18	0	7	7
<b>Grand Total</b>	<b>817</b>	<b>739</b>	<b>887</b>	<b>703</b>

Source: Chicago Area Transportation Study, *Soles and Spokes Web Survey*. Note: Survey data is for public involvement purposes. Data are neither weighted nor necessarily representative.

Other specific difficulties with walking accommodations are presented by crossing roads (70 responses, of which 15 mentioned signals or signal timing) and other barriers (12 total responses); lack of off-road trails (14) and lighting (17).

A small majority of responses suggested difficulties concerning the provision or lack of accommodations for bicycling. Of 384 responses suggesting a lack of

accommodations, 157 concerned on-street cycling. Existing on-road conditions received more negative comments than positive comments. Most responses regarding off-road accommodations were favorable. Top among the specific on-road concerns were a lack of bike lanes (70 responses), no or narrow shoulders (20), narrow roads (13) and narrow lanes (6). Other specific difficulties with accommodations include a lack of off-road trails (50 responses) and a lack of bicycle parking (39).

Top among accommodations that are making bicycling easy and pleasant are off-road accommodations (140 responses, of which 128 concern the provision of trails). 118 responses concerned on-road facilities, of which 85 concerned providing bike lanes. 40 respondents said bicycle parking made bicycle trips easy and pleasant.

Both walk trips and bicycle trips had more difficulties than benefits from traffic conditions, though traffic issues generated twice as many responses from bicycle trips as walk trips. Many respondents indicated motorist behavior made walk and bicycle trips difficult. However, some people noted that many motorists were polite and made trips easier. Many respondents noted that motorists did not understand walkers' and bicyclists' rights and responsibilities.

Weather and air quality were a bigger issue for walk trips than bicycle trips (226 responses versus 122 responses). For walking trips, atmospheric conditions were bigger issues than traffic. For both walking and bicycle trips, about a third of the responses regarding atmospheric conditions were positive.

Land use and site conditions were a major issue for walk trips. Most (188 responses) viewed existing conditions positively. 57 responses indicated that having destinations nearby made walk trips easy. Another 57 responses said that having lively, interesting streets and streetscapes were positive. Smaller numbers mentioned parks, neighborhoods, and the flat terrain as favorable. Of the 103 responses indicating land use and site design made walking difficult in northeastern Illinois, most (88) pointed to the distance or time to reach destinations.

Land use and site design were not as important for bicycling as for walking. 77 responses regarding bicycle trips concerned land use and site issues, compared to 291 responses for walking trips. 63 of the 77 bicycle responses were positive.

Maintenance issues were more important for walking trips than bicycle trips (131 versus 85 responses). Most maintenance-related responses regarding walking trips were negative (95 versus 36 positive). The biggest maintenance issue was snow removal and ice control on sidewalks and trails (61 responses). 24 responses concerned pavement conditions for walking trips. For bicycle trips, the 24 respondents said that roadway surface conditions made bicycle trips in northeastern Illinois more difficult.

A number of responses concerned personal issues (health, enjoyment, security, money, etc.). These issues were much more important for bicycle trips than pedestrian trips (184 versus 129). For both bicycle and walking trips, these issues tend to weigh much more as "easy and pleasant" factors than difficulties (242 versus 71). This positive outlook shows that, at least among those surveyed, personal issues are not an overwhelming factor precluding walking and bicycling. Among the survey group, the tendency is to associate walking and bicycling as positive elements in their personal lives.

### Travel Patterns of Survey Respondents

Mode use frequency was collected as part of the survey. The data collected is shown in Table 4. Table 4 shows of 316 non-duplicated respondents, 170 walked all the way to a destination at least once per day. An additional 135, or 305 total, walked all the way to a destination at least once per month. 88 of the 316 respondents use their bike daily, while 245 of the respondents used their bikes at least monthly. 120 of the respondents drove their cars to a destination on a daily basis, while 263 drove to a destination at least once per month.

**Table 4**  
**Frequency of Use of Selected Modes to Travel Entire Trip Distance to a Destination**  
**Northeastern Illinois, Spring, 2003**

Use Selected Mode to Travel All the Way to a Destination:	Mode		
	Walk	Bicycle	Drive
At least once per day	170	88	120
At least once per week	278	198	217
At least once per month	305	245	263
At least once per year	313	282	289
Never	3	34	27

Source: Chicago Area Transportation Study, *Soles and Spokes Web Survey*. Note: Numbers indicate cumulative number of responses indicating at least the frequency indicated. Survey data is for public involvement purposes. Data are neither weighted nor necessarily representative.

The data in Table 4 show a particularly high rate of foot travel. The majority of respondents walked somewhere on a daily basis. Bicycling was the least



frequently used mode among the three selected modes, though the majority of respondents bicycled somewhere at least once per week.

The *Soles and Spokes Survey* also included access to transit inquiries. This information is shown in Table 5. Most respondents walk to transit at least once per week; approximately one-third do so on a daily basis. Most respondents do not drive or bicycle to transit.

**Table 5**  
**Frequency of Use of Selected Modes to Access Transit**  
**Soles and Spokes Web Survey, Northeastern Illinois, Spring, 2003**

Use Selected Mode to Access Transit:	Mode		
	Walk	Bicycle	Drive
At least once per day	105	14	14
At least once per week	179	39	31
At least once per month	249	90	65
At least once per year	278	149	141
Never	38	167	175

Source: Chicago Area Transportation Study, *Soles and Spokes Web Survey*. Note: Numbers indicate cumulative number of responses indicating at least the frequency indicated. Survey data is for public involvement purposes. Data are neither weighted nor necessarily representative.

The survey data reinforce other information that walking access to transit services is critical.

**Summary and Conclusion**

The *Soles and Spokes Web Survey* was conducted to gather input regarding the development of the *Soles and Spokes Plan*. The *Soles and Spokes Web Survey* results related here demonstrate a need to facilitate non-motorized travel. Such non-motorized travel is used for a variety of purposes. Respondents indicated a large number of difficulties with present travel, but also identified a number of characteristics that made non-motorized travel easy and pleasant. Respondents said the greatest difficulties were posed by a lack of physical accommodations for bicycle and pedestrian travel.

The *Soles and Spokes Web Survey* results indicated that respondents relied heavily on non-motorized travel, particularly walking. The survey results also reinforced the importance of walking access to transit.

APPENDIX A  
WEB SURVEY QUESTIONNAIRE



**CURRENT PROJECTS**

**STEERING GROUP**

**PROGRESS REPORTS**

**LINKS**

**HOME**

You probably get around in a bunch of different ways every day. You might take a train to work, walk to a deli for lunch, drive to the grocery store, then ride a bike down to the coffee shop. Think about the variety of places you go every day, and tell us how often you use different ways to get there. (For example, if you walked from work to the coffee shop a few times each week, you "Walk somewhere all the way, at least once a week.")

To receive monthly e-mail updates about the Soles and Spokes Plan and other pedestrian and bicycle planning resources, events and projects, send the following e-mail to [imailsrv@catsmpo.com](mailto:imailsrv@catsmpo.com):

Subject: [leave blank]  
Body: subscribe bikeped  
[your name]

	At least once a day	At least once a week	At least once a month	At least once a year	Never
Walk somewhere all the way	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bike somewhere all the way	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Drive somewhere all the way	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Walk to transit	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bike to transit	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Drive to transit	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you ever use any other ways to get around, list them below. Examples include: wheelchair, taxi, skateboard, van-pool, rental car, and Amtrak

**For further information, contact:**

[Tom Murtha](#)  
Chief Transportation Planner  
CATS  
300 W Adams St, 2<sup>nd</sup> Fl  
Chicago, IL 60606  
phone: 312.793.3466  
fax: 312.793.3481

Do your transportation habits vary by season or weather?

Yes  No  If yes, explain:

If you walk sometimes to get somewhere (not just to the fridge), list your typical destinations below. Examples include school, transit station, coffee shop, grocery store, friend's house, forest preserve:

If you sometimes ride a bike, list your typical destinations below. Examples include school, transit station, coffee shop, grocery store, friend's house, forest preserve:

List three things that make walking somewhere difficult in northeastern Illinois:

- 1.
- 2.
- 3.

List three things that make walking easy and pleasant:

- 1.
- 2.
- 3.

List three things that make riding a bike somewhere difficult in northeastern Illinois:

- 1.
- 2.
- 3.

List three things that make riding a bike easy and pleasant:

- 1.
- 2.
- 3.

What's your home zip

code?

What county do you live

in?

Your age?  Gender? M  F

Do you or anyone in your household own a car? Y  N

Do you own a bicycle that works? Y  N

Do you have a physical disability that affects your ability to get around?

Y  N  If yes, please describe:

Appendix B  
Soles and Spokes Web Based Survey: Respondent Destinations by Foot

<b>walk_destination</b>
(Type here)transit, stores, parks, -- everywhere
Grocery store, bar, restaurant
Shopping, bars, restaurants, groceries, cleaners, park, transit, church... al located conveniently in the neighborhood
local convenience store, restaurant
el stop, restaurants, grocery store, recreation, work, friends' houses, bars, coffee shop, etc
walk in Chicago to transit, meetings, restaurants
Transit, lunch in the loop
Friends, parks
to and from transit, bank, places to eat, friend's house, anywhere under 2 miles I usually get to the parking lot from my office
Grocery shopping in my town's business district. I try to walk there or bike at least once a week to do grocery shopping (3 mile round trip). I also like to take walks around my neighborhood on a weekly basis.
Food store, other shopping, entertainment, work, church, 'el' or bus stop, coffee shop, friend's
grocery store, video rental store, restaurants
I walk to the stores in the mini and stip mall around my home in the suburbs. I walk to the park if im not riding my bike.
transit, grocery store, library, restaurants, video stores, neighbors
library, work, grocery store, friend's houses, weekly worship, 2 weekly singing groups, lake, bookstore and other stores, restaurants, Metra station, bus stop, South Shore train station, movies and concerts at U of Chicago campus, parks
supermarket, local takeout restaurants, drugstore, dry cleaners, library, train station
School, to eat lunch etc
train station, everywhere downtown, library, groceries, restaurants
All nearly commercial uses, Grocery, bars, restaurants, shopping. Transit stations,Parks, Friend's homes,Exercise,Work,
drug store, barbershop, the tavern
transit, grocery stores, shops, coffee shops
to the el, coffee shop, for excercise
bars, restaurants, movies
Transit stop, grocery store, coffee shop, restaurant, friend's house
grocery store, friend's house, video store, library, restaurant. I pretty much walk everywhere possible except to work.
Friend's places, local bars, coffee shops, grocery store, restaurants, shops, public transportation. Nowhere in particular
grocery, work, friend's house, coffee shop, restaurants, bars
friend's house, transit station, grocery store, post office
Grocery store, dry cleaners, health club, restaurants, friends homes
transit station, then walk around Chicago once there; post office; drug store; library; local food store; dry cleaners; to friends
coffee shop, grocery store, friend's house

Appendix B  
Soles and Spokes Web Based Survey: Respondent Destinations by Foot

(the lake, )
grocery store, neighborhood restaurants, bank, friends'
Occasionally I walk to the nearby grocery (two blocks), but usually I ride my bike to a grocery that's a couple miles away.
Friends house, parents house
Bar or pub
post office, grocery store, forest preserve
Grocery store, video store, park, lakeshore, breakfast with friends, movies, friends house.
Childs school, park district and grocery store.
transit station, grocery store in summer, downtown Evanston, lakefront
transit station, meetings in the Loop, church
I walk for recreation in the forest preserve, on neighborhood trails and to my Village.
train station, grocery store, & other stores, walking and bike paths, coffee shop & restaurants.
(Type here)
work, DePaul library, coffe shop, transit station, grocery store
coffee shop, grocery store, friends, parks, bar, restaurants, transit...
Bring kids to/from school
(Type here)FOREST PRESERVE, NEIGHBORHOOD WATERING HOLE (BAR)
Work, restaurants, friend's house, transit, grocery
transit station, grocery store, coffee, laundry, friend's house
errands, shopping, breakfast, weekends
grocery store, friend's, bars
Bus stop, transit station, restaurant, convenience store, hardware store.
Local grocery stores and parks within two miles or to a bus.
park & swimming pool, neighborhood commercial district
Library, drug store, bank, movie theatre
there isn't much within walking distance in our subdivision....but we do walk our dogs everyday (at least once or twice) around our block. In the summer we can sometimes do short trips on our bikes...but not too convenient to carry a gallon of milk home from the White corner store, bakery, bus stops close to residence
To take a walk in the neighborhood, to go to a county park, friends house
(Type here)
To and from transit station, laundry, stores in my neighborhood and bars.
work, transit
Grocery store, restuarant, bar
Restaurant, classes, school, bookstore
coffee shop, grocery store, clubs, train station, park
CTA station, post office, pharmacy, lunch out, hair cut (all within a mile of home)
(Type here)Transit station to/from work place<<
To class (Northwestern University), or to the Davis El Stop, or to shop/eat anywhere in library, Davis station(el).
Grocery store, school classes, CTA station, local restuarants, fitness center
Work to lunch; home to fiancée's house; home to bike shop

Appendix B

Soles and Spokes Web Based Survey: Respondent Destinations by Foot

Class, I go to Northwestern University
class, downtown Evanston
(Type here)
I often walk to the grocery store (about 4 or 5 blocks each way, at least once a week), always to the White Hen Pantry if I go there for minor shopping needs (about 1 block each way maybe once a week). In nice weather, I will walk about 8 to 10 blocks to downtown Evanston for dinner or about 6 blocks to Dempster and Chicago for Ice Cream. I will take walks by the lake with my girlfriend for recreation in nice weather, and sometimes in cold weather as well. Those are about 12 blocks roundtrip. I also walk to the Main St. transit station about once a
classes, stores, restaurants
class, grocery store, friend's house
school, transit station, shopping, restaurants
el station, grocery store, dry cleaners, laundromat, friend's, bars
school, grocery store, restaurants, coffee shop, art store, friend's house, gym
school/class
Work, shopping, transit.
(Type here)transit station,friend's house,grocery store,coffee shop,restaurents
school, shopping, eating
train station, grocery store, buildings around school
Downtown Evanston, movie theater, restaurants, grocery store, and on-campus places, Norris University Center, library, academic classroom buildings, other dorms
When I'm at school, walking is my only means of transportation
fitness center
(Type here)
coffee shop, laundry mat, art galleries
School, train station, grocery store, restaurants
Transit, Shopping, and walk for recreation
post office, shopping downtown, library, metra station
grocery, transit, restaurant
(Type here)
Restaurant, Grocery/General Store
i walk to work.
Friend's house, exercise trip
school, store, work
Transit station, friend's houses, baseball games (Wrigley Field), grocery store, bars,
Restaurants, stores, movies, friend's houses, meetings, for fun.
synagogue
transit,shopping,neighborhood restaurants
classes, downtown Evanston
Groicery store or a restaurant.
I try to walk 30 minutes or more a day - just to walk
I walk/bike for pleasure all the time in the summer. Because of our location where we live there is no place that I can walk or bike that is within reasonable distance. But I do believe in

Appendix B

Soles and Spokes Web Based Survey: Respondent Destinations by Foot

library and local parks
everywhere! I am a student so I go to school, the stores, shopping, the el station, all are
Work and video store. On good weather days I'll walk home from the train station (usually get
dropped off in the morning on those days).
School, transit station, bus stop, coffee shop, park facility.
to transit station<<to Church<<
I walk to friend's homes, to the transit station daily, and in summer forest preserve/parks
bus stop, convenience store/Walgreen's, restaurant, grocery store.
I walk to class almost everyday
Campus buildings
around the neighborhood
Public library, video store, work, forest preserve.
around the neighborhood
lunch
Library, post office, bank, lake.
Work, but with the lack of sidewalks it is very dangerous so I only walk when the weather is
(coffee shop, drug store, post office,video store,MCD,
visit friends, restaurant, convenience store,
Grocery store, local resturants,cleaders,
Grocery, neighborhood, playground, friends' houses, hardware store.
School, shopping, friend's home, city park, movies, transit, bank
transit station, bookstore, bank, post office
grocery store, park, transit station
(Type here)
(Type here) Store
Walking Trail
(Type here)transit station, gas station to buy paper
(Type here)Neighborhood & around workplace.
Work, sports center, local shopping district
Work, Grocery Store.
(Type here)
To and from public transportation.<<From the loop to Mag Mile (Chestnut) once a
week.<<Around loop for errands.<<Around Ravenswood for errands.<<To and from my
sister's about a mile within Ravenswood
school, transit, shopping
(Type here)
(Type here)
School, CTA stop, grocery, store, friends, lakefront, everywhere!
I walk to the grocery store from my house, to my garden from my house, to my bus stop from
my house, to the library from my work, to my husband's job from my work, basically anyplace I
need to go that's within two or three miles, I walk.
Transit station, friends houses, neighborhood coffee shop, grocery store, gym, beach.
work, neighbors



Appendix B

Soles and Spokes Web Based Survey: Respondent Destinations by Foot

Work, home, corner grocery, friends, some meetings, coffee shops.
Metra station, restaurants, movie, book store, grocery store, pharmacy, bakery, card store, ice cream shop, salon.
CTA rail station every day.<<Between home - grocery, home - workout, home - shopping.
(Type here)STORE, FRIEND'S HOUSE
(Type here)STORE, FRIEND'S HOUSE
Transit Station, Grocery Store, Restaurants, Retail
We live in the city, so we walk to do nearly all of our errands. I also take the L to work, so I walk from the stop on both ends of my trip.
library is the only practical one to get to safely.
grocery store
store, friends, restaurant, transit
(Type here)
Work, gym, convenient store, el stop, nearby restaurant/Starbucks/bar, shopping, to see
transit station, park, coffee shop, grocery store, friend's house, vet., work, zoo, museums, tennis courts, dog park, dry cleaners, festivals, Navy Pier, shopping, bars, restaurants, etc...
work, transit station, grocery store, video store, movies, restaurants, church, some shopping
(Type here) train station, errands near work, friends' houses, school
fruit market, video rental, magazine stand, Sears
When I don't bike to work, I take the L. I get there by walking, and I walk to work from the
Transit, grocery store, general shopping, transit station, and most other destinations
To family, transit, shopping
grocery store, friend's house, church, park, hardware store
coffee shop, grocery store, park, friend's house, restaurants, errands, el stop, ...
grocery store, friend's, coffee shop, lakefront, El stop, shopping
Food, coffee, errands
markets, mass transit; bank;
train station, court, doctor's office
transit station, grocery store, restaurants, the bar
coffee shop, grocery store, park, restaurants, bars/nightlife spots
local shops , lincoln square
transit station, grocery store, restaurants, video rental store, park, meetings for work.
I usually walk from the train to the office (.8 mile), from my house to my in-laws (.3 mile) and from my office to various locations in the Loop (.5 mile or less in most cases).
grocery store, friend's house, el station, nearby restaurants
stores, restaurants, train station, library, homes of family members
I walk to work, the grocery, church, friend's house, and riverwalk.<<
(Type here)
Grocery, video store, hardware store, one-night-a-week course at nearby school.
school, errands, dinner, bars
to the Jewel store and transit station
grocery store, L station, shopping
Convenience store.

Appendix B

Soles and Spokes Web Based Survey: Respondent Destinations by Foot

Walk to train, library, post-office.
All of the above and work
school, coffeeshop, friend's apartments, el station
school (northwestern university, evanston), train station, grocery store
School, El/Metra, restraurants and stores.
transit station, coffee shop, restaurants, local grocery store, friend's house, lake front, park, local retail stores, yoga class
Typically ony to transit when I use it. If I am at someone else's place and we are close to a destination, walking is an option
shops, grocery store, friends' houses, lake, downtown (a 4-mile walk from my house)
Work, school (sometimes), coffee shop, grocery store, library, general shopping and errands, museums, park, beach.
(Type here)Run home from work, 7 miles, walk to grocery store and shops, tranist - bus and
Gym, park, forest preserve, grocery store, video store, library.
transit station, grocery store, local shops & restaurants, park
grocery store
Walk to neighborhood shops like coffee, grocery and music stores, to the CTA train station daily, and to restaurants.
Grocery store, Blockbuster, church, local playgrounds, restaurants, lakefront, coffee shop - all within 1/2 mile of home
usually walk to the El stop or around the neighborhoods for errands or activities
Restaurants/taverns, grocery store/general shopping, coffee shop, park, liesure
loop-area (from pilsen) for a movie at siskel center, bar or restaurant; to wicker park to visit friends; to the lake for a walk and chill; to uic.
El station, area stores, friends', exercise,bar, between Rush and Cook hospitals
Transit, daughter's school, friends' houses, park, work, restaurant, book stores. I also walk across downtown every weekday to get from one segregated Metra station to another.
Grocery store, restaurant, neighborhood errands
Transit station, grocery store if for a few small items, nearby parks, nearby friend's house
to train and bus, to grocery store, to friends houses, to go out
transit station/bus stop, grocery store, bank, post office, lakefront, restaurants, coffee shop
transit station
library, grocery store, transit station
Transit, store, restaurants, bank--I live downtown.
everywhere or to transit which can take me many other places.
School, Starbucks, bookstore, restaurants, red line.
grocery store, coffee shop, lakefront and park, zoo, friends' houses, transit station, farmer's market, restaurants, short business needs, bank
transit station, coffee shop, grocery store, friend's house
Friend's house; library; stores
Nearby shopping center, gym, friend's house, local school to vote. I also walk/hike in parks, but don't always walk to get there based on distance.
corner store, school (12 blocks), to the el (10 blocks)

Appendix B

Soles and Spokes Web Based Survey: Respondent Destinations by Foot

I don't own a car, so I bike or walk almost everywhere.
CTA bus/train, grocery store, coffee shop, video store, restaurant/bar, movie theatre, church, (Type here)
school, grocery, friends, nightlife
transit, grocery, drug store, post office, local restaurant
church, forest preserve
School, transit station, restaurants, post office, video store, friend's house, antiwar & pro-social justice or environmental demonstrations, lake
I walk to work, grocery store, shopping in the loop, transit station, restuarants
school, train station
park, groceries, laundry, hardware store
work, restaurants, shopping, transit, friend's house
convenience store, forest preserve, Metra, village center
bus stop, el stop, stores in my neighborhood, or in another neighborhood (take transit to the general area and then walk).
church, neighbors, Metra
library, butcher, barber, bagel store, bakery, mailbox, friend's house, movie rental store, kid's stores, restaurants, ice cream shop, Bar (safer than driving!)
(Type here)
train station, grocery store, friend's house, coffee shop, downtown, etc...
(Type here)
Transit Station, Grocery Store, Bank, Video Rental Store.
grocery store, friend's house, work
We live close enough to downtown Northbrook, that we can walk to the grocery store, library, etc. I take the dog for a nice long walk twice a day.
grocery store, forest preserve
grocery store, library, restaurant, shops, coffee shop
(Type here)
transit, grocery, coffee shop, lakefront
Transit, work, grocery store ... everywhere.
Walking is usually to the bus stop down the street or from a transit stop to a final destination. I'm usually willing to walk at least half a mile or more.
(Type here)
CTA, Video Store, Local neighborhood grocery store, hair cut place. I'll walk to any location up to .5 miles.
video store, barber, convenience store, resturants, bar, park
Restaurants in enighborhood several nights per week (with kids in stroller)
grocery store
(Type here)Walgreens, Jewel, the elevated station, Wrigley Field
transit station, friends' homes, grocery, shopping, coffee, lunch, dinner, beach
grocery store, pool, childrens school
Downtown St.Charles, Coffee Shop, Resturants, Parks, neighborhood friends

Appendix B  
Soles and Spokes Web Based Survey: Respondent Destinations by Foot

(Type here)
Work, grocery store, restaurants, bars, Wrigley Field, friend's house
work and business centers, anywhere there are restaurants, coffee, or books.
L stop
Gas Station, Fast Food
(Type here)library, transit, light grocery stop, send my mail, walk to go exercise at park district.
Train station, work
friend's house, restaurants
Grocery, live music clubs.
Transit stations, stores (grocery, shopping, etc)
Work
Grocery store, restaurants, shopping, friends, etc. typically destinations within a 1.5 mile
(Type here)
My walking trips are usually short-from work to a coffee shop, Bally's, shopping on Michigan Ave or State Street, or visiting my doctor(s).
recreational centers.
Scooter all tear long except when snow covers the road
work, home, shopping, mass transit, social
lunch, coffee shop
store,cta,park
(Type here)From METRA station downtown to office on Mich. Ave.; Almost anywhere in downtown area; some local stores in suburbs
lakefront path (for exercise), grocery store, liquor store, a few close restaurants, dry cleaners, pizza place.
transit station. local stores (coffee, food or other). or just random walks around the city
Transit station, work, Mom's house.
school, park, Red Line station
grocery store, coffee shop, Irving Park Blue Line stop
Lunch destination, sometimes the grocery store or video store
transit stop, nearby restaurants
Home to train station; train station to work; work to train station; train station to home.
public transit, friend's house, city hall
i walk to transit, grocery store, parks, lake. ..
work, beach, stores, restaurants, L station
transit, school, restaurant, hardware store
L station, girlfriend's house, corner store, local restaurants, the gym
movie theater, record store, coffee shop, transit station
(Type here)
(Type here)TRANSIT, STORE
(Type here)
train station, daycare provider
Park, baseball fields, gas station
work

Appendix B

Soles and Spokes Web Based Survey: Respondent Destinations by Foot

Grocery; library; downtown Evanston shops; lakeside parks; transit stations (but then I live right across the street from both el and Metra stations)
(Type here)
To the park.
Transit, grocery store, park
To restaurants from work for lunch and to parks with my dog.
transit, grocery store, friends house
Train stop, restaurant, shopping
shops, public transportation, lakeshore, forest preserve
(Type here)
I bike to work and walk to places near work that I eat or shop.
(Type here)
(Type here)friends house, restaurants
transit station, restaurant, bar
Train Station, Office, Bus Stop
grocery store, transit station, book store, video rental shop
nearby restaurants, friends house
School, work, grocery store, transportation.
Bus stop, red line, park, grocery store, coffie shop, restrant, Synagogue, friends, book store
I walk to the dry cleaners. It's easier to carry clothes on a hanger on foot. I walk to the supermarket when the streets aren't plowed. I walk to nearby restaurants for dinner when I am volunteering in Chicago. If I am in Chicago without my bike I walk to several bus stops and

## **Appendix C**

### **Soles and Spokes Web Survey Tabulation of Difficult and Pleasing Conditions**

Following is a tabulation of responses to the CATS Soles and Spokes Web Survey questions regarding things making walking and biking somewhere difficult or easy and pleasant.

Survey respondents were asked to identify three things that make walking or bicycling difficult or easy and pleasant. Some of the responses included more than one idea or issue; each idea or issue was included in the tabulation below.

The respondents composed the answers. Staff categorized answers into similar ideas and issues. The number of times raised the issue or idea is reported on the following tabulation for each question in parentheses. Broader issues are tabulated as totals of the narrower issues that follow.

**Tabulation of Soles and Spokes Web survey responses:  
Things that make walking somewhere in northeastern Illinois difficult:**

Adverse traffic conditions (148) including

- General (45)
- Behavior (57)
- Volume (27)
- Bikes/skateboards on sidewalks/paths (8)
- Speed (7)
- Turning vehicles and right turns on red (4)

Provision or lack of pedestrian accommodations (264) including

- General (5)
- Unfavorable accommodations along roadways (135) including:
  - General (1)
  - Missing sidewalk (102)
  - Narrow/crowded sidewalk (15)
  - Sidewalk clutter (6)
  - Missing sidewalk during construction (5)
  - Narrow shoulder (3)
  - Missing parkway or physical barrier separating traffic from pedestrians (3)

At barriers and crossings (82) including:

- Unfavorable accommodations across roads (70) including
  - General (42)
  - Signals and signal timing for pedestrian crossings (15)
  - Lack of grade separation (5)
  - Signs and markings (4)
  - Lack of crossing (3)
  - Lack of curb cuts (1)
- Unfavorable accommodations across freeways/tollways (5)
- Blind spots at alleys/driveways (2)
- Unfavorable accommodations across other barriers (5)
- Unfavorable off-road accommodations (16) including
  - Lack of off-road trails (14)
  - Narrow/crowded off-road trails (2)
- Lack of other pedestrian amenities (26)
  - Lighting (17)
  - Lack of public restrooms (5)
  - Lack of drinking water (2)
  - Wayfinding (1)
  - Other amenities (1)

Adverse atmospheric conditions (152) including

- General weather (6)
- Cold (34)

Wet/snow (31)  
Wind (8)  
Noise/air pollution/motor exhaust/construction dust (8)  
Heat/humidity (7)

Land use, land form, and site design (103) including:  
Lack of destinations nearby/mixed use/density; distance; time (88)  
Site design not pedestrian friendly (14)  
Street grid doesn't allow diagonal shortcuts (1)

Maintenance of pedestrian accommodations (95) including:  
General maintenance (2)  
Snow/ice removal from sidewalks and trails (61)  
Sidewalk pavement condition (24)  
Sidewalk, path, or crosswalk flooding (4)  
Plowing snow from street onto sidewalk (2)  
Sidewalk debris (2)

Personal (37) including  
General (9)  
Security and "safety" (no traffic mentioned) (20)  
Night security (5)  
Carrying large loads (3)

Other (18)

**Grand total (817)**



**Tabulation of Soles and Spokes Web survey responses:  
Things that make walking somewhere in northeastern Illinois easy and pleasant**

Favorable traffic conditions (23) including:

- General (2)
- Low volume (7)
- Quiet streets (6)
- Courteous drivers (6)
- Slow vehicle speeds (1)
- Pedestrian-scale streets (1)

Provision of pedestrian accommodations (326) including

- General (4)
- Accommodations along roads (133) including:
  - Sidewalks (94)
  - Broad sidewalks (24)
  - Parkway separating sidewalk from traffic (13)
  - Sidewalk alternate during construction (1)
  - Few curb cuts (1)
- Accommodations across roads (61) including:
  - General (20)
  - Signals and signal timing for pedestrian crossings (25)
  - Signs and markings (8)
  - Grade separation (5)
  - Curb cuts for wheeled vehicles (2)
  - Median refuges (1)
- Favorable off-road accommodations (43) including:
  - Off-road paths and trails (40)
  - Uncrowded off-road trails (2)
  - Few roads to cross (1)
- Provision of other pedestrian amenities (85) including:
  - Grass, trees, pleasant landscaping (59)
  - Access to public transit (13)
  - Lighting (9)
  - Benches (2)
  - Public restrooms (1)
  - Drinking water (1)

Favorable atmospheric conditions (74) including:

- General weather (43)
- Fresh air / good air quality (19)
- Warm weather (6)
- Sunshine (5)
- Dry weather (1)

Land use, landform, and site conditions (188)

General (3)

Destinations nearby/mixed use/density; distance; time (57)

Lively, interesting streets and urban streetscape (57)

Neighborhood and regional parks to walk through (24)

Flat terrain (15)

Neighbors and neighborhood (15)

Street grid (5)

Site design is pedestrian friendly (4)

Sidewalks, paths offer shortcuts between developments and buildings (4)

Building setbacks (3)

Short blocks (1)

Maintenance of pedestrian accommodations

General (11)

Good sidewalk pavement condition (11)

Clean sidewalks, with debris and litter picked up (8)

Snow/ice is removed from sidewalks and trails (6)

Personal (92)

General (32)

Health/exercise/feels great (25)

Security and "safety" (no traffic mentioned) (12)

Don't have to drive, faster than driving (9)

Don't have to park, faster than parking (6)

Inexpensive (5)

Have time (2)

Convenient (1)

**Grand total (739)**

**Tabulation of Soles and Spokes Web survey responses:  
Things that make bicycling somewhere in northeastern Illinois difficult:**

Traffic (290) including

General (76)

Motorist behavior (135) including

General (71)

Lack of respect of or knowledge of bicyclists' rights (59)

Lack of respect of or knowledge of other rules of the road (5)

Volume and congestion (50)

Speed (14)

Pedestrians (8)

Bicyclist behavior (5)

General (1)

Lack of respect of or knowledge of bicyclists' responsibilities (4)

Car-bicycle collisions (1)

Right turns on red (1)

Motor vehicle parking (14)

General (6)

Door opening as bicycle passes (4)

Double-parked (2)

Parked in bike lane (2)

Adverse bicycle conditions/accommodations (384)

General (3)

On-road conditions/accommodation (157) including

General (29)

Lack of bike lanes (70)

No shoulders/narrow shoulders/gravel shoulders/shoulder rumble strips; curbs (20)

Narrow roads (13)

Narrow lanes (6)

Traffic signal detection and signal progression (4)

Sewer grates (3)

Bike lane problems - design, consistency, necessity (3)

Too many signals, stop signs and other traffic controls (3)

Large, multi-lane roads (2)

Lack physical separation between bike lanes and traffic (2)

Neighborhood streets with arterial design (1)

Lighting (1)

Off-road accommodations (90) including:

Lack of off-road paths and trails (50)

Restrictions on using sidewalk, crowded sidewalk (17)

Narrow or crowded paths, trails; sharing (12)

Missing sidewalk (6)

- Path markings and signing (2)
- Lack of curb cuts (2)
- Paths are unsafe (1)
- Accommodations at crossings and barriers (25) including
  - Intersections (8)
  - Lack grade separations at major road/highway/freeway (5)
  - Grating (4)
  - Railroad crossings conditions and geometry (3)
  - Roadway crossings conditions and geometry (3)
  - Bridges condition and geometry (1)
  - Driveways (1)
- Connections (32)
  - General (6)
  - Bike routes (11)
  - Lack of connections from paths and trails to neighborhoods, communities, and streets (10)
  - Connection between city of chicago and suburbs (5)
- Bicycle parking (48) including
  - General (3)
  - Lack of bicycle parking (39)
  - Lack of covered or indoor bicycle parking (4)
  - Inconvenient bicycle parking (2)
- Other amenities (29) including
  - Transit accommodation (17) including:
    - General (7)
    - Metra accommodation too limited (9)
    - Amtrak accommodation too limited (1)
  - Lack of rest stops/restrooms (5)
  - Lack of shower facilities (3)
  - Inadequate wayfinding (2)
  - Few places to inflate tires (1)
  - Limited information (1)

- Adverse atmospheric conditions (86) including:
  - General weather, winter weather (45)
  - Wet/snow (not removal) (16)
  - Cold (13)
  - Wind (6)
  - Noise/air pollution/motor exhaust/construction dust (5)
  - Heat/humidity (1)

- Land use, landforms, and site design (14) including
  - Lack of destinations nearby/mixed use/density; distance; time (11)
  - Lack of bicycle connections between developments and subdivisions (2)
  - Lack of interesting places (1)

Maintenance (58) including:

Roadway maintenance (49) including:

General (6)

Surface condition (24)

Icy/slushy road conditions (7)

Debris to right of travel lane/on shoulder (4)

Too much road salt is used (3)

Curb and gutter maintenance; road edge maintenance (3)

Removal of fallen leaves (1)

Bike lane marking maintenance (1)

Maintenance of off-road accommodations (9)

General (1)

Surface condition (4)

Snow/ice removal from trails (3)

Sidewalk/path debris (1)

Personal (34)

General (6)

Bicycle theft or fear of bicycle theft (11)

Security and "safety" (no traffic mentioned) (9)

Don't own bicycle/need new bike/bicycle repair (5)

Helmet laws (1)

Carrying large loads (1)

Passengers (1)

Other (7)

**Grand total (887)**

**Tabulation of Soles and Spokes Web survey responses:  
Things that make bicycling somewhere in northeastern Illinois easy and pleasant:**

Favorable traffic characteristics (51) including

General (18)

Motorist behavior (18) including

General (8)

Respect of or knowledge of bicyclists' rights (9)

Motorist education programs (1)

Low-volume roads (10)

Bicyclist behavior (4) including

General (3)

Respect of or knowledge of bicyclists' responsibilities (1)

Low-speed roads (1)

Favorable motorized vehicle parking conditions (2)

Favorable accommodations and conditions (367) including

General conditions/accommodations (2)

On-road conditions/accommodations (118) including

General (6)

Bike lanes (85)

Wide paved shoulders (9)

Wide roads (7)

Wide lanes, wide outside lanes (4)

Traffic signal operation and signal progression (3)

Rural roads (2)

Lighting (2)

Off-road accommodations (140)

Off-road paths and trails (128)

Sidewalk to bike on (4)

Wide paths (2)

Favorable path design (2)

Lighting (2)

Design for use by children (1)

Separation of peds and bikes (1)

At barriers and crossings (6) including

Favorable roadway crossings conditions and geometry (2)

Intersections (2)

Grade separations at major road/highway/freeway (2)

Connections (18) including

General (5)

Bike routes (6)

Accessibility to expressways / highways/drive to paths (5)

Connections from paths and trails to neighborhoods, communities,  
and streets (2)

Bicycle parking (44) including:

Available bicycle parking (40)

Bike valet program (2)

Covered or indoor bicycle parking (2)

Provision of other amenities for bicyclists (39) including:

General (1)

Transit accommodation (14)

General (12)

CTA access (1)

Pace Suburban Bus Service bikes on buses program (1)

Scenery and landscaping (12)

Wayfinding and orientation, maps (5)

Bike shops (3)

Rest stops/restrooms (2)

Shower facilities (1)

Places to inflate tires (1)

Favorable weather and atmospheric conditions (36)

General (22)

Fresh air (9)

Warm weather (3)

Cool (1)

Sunshine (1)

Land use, land form, and site design (63)

Flat land (22)

Parks and forest preserves (16)

Destinations nearby, mixed use, density; distance; time (14)

Bicycle connections between developments and subdivisions or grid street  
system (6)

Interesting places (4)

Trees (1)

Maintenance (27) including

Favorable roadway maintenance (23) including

General (2)

Surface condition (18)

Snow removal (2)

Good drainage (1)

Favorable trail maintenance (4)

General (1)

Surface condition (3)

Personal (150) including

General (20)

Speed, avoid traffic congestion (36)

Exercise and fitness (35)

Camaraderie, clubs, organizations (21)

Fun (9)

Inexpensive (9)

Avoid contributing to pollution (5)

Secure and safe conditions (5)

Don't have to park car (3)

Governmental and workplace support, in general (3)

Favorable travel distance (1)

Bicycle helmet (1)

Police / police on bicycles (1)

Carrying cargo with bike basket (1)

Other (7)

**Grand total (703)**