

# Survey of Route Choice Preferences of Commuter Bicyclists

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and  
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This survey was originally administered on the World Wide Web using specialized survey software and server space provided by the University of Texas College of Engineering. Please note that some of the formatting has been lost in the process of converting the survey to a \*.pdf file – the original survey contained boxes and circles for the respondent to check or type in their answer.

This file is structured as follows. First, definitions of ‘major arterial,’ ‘minor arterial,’ and ‘residential street’ are defined (as they were for the respondents originally taking the survey in 2002). Second, Version 1 of the survey is presented in its entirety. Sections 1, 2, and 4 remained the same for each survey; Section 3 differed for each survey. The final part of this file contains Section 3 from the other eight surveys (there were nine versions of the survey).

Questions? Comments? E-mail [mstinson@catsmpo.com](mailto:mstinson@catsmpo.com).

File created by Monique Stinson on November 13, 2003.

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DEFINITIONS of survey route characteristics found in Section 3 of certain surveys (respondents were instructed to click a hyperlink to reach these definitions, if needed):

Major arterial: heavy traffic with speeds >35 mph

Minor arterial: moderate traffic with speeds 25-35 mph

Residential street: light traffic with speeds <25 mph

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## A SURVEY OF COMMUTER BICYCLISTS' ROUTE PREFERENCES

**SURVEY OUTLINE:** First, there will be some questions (Sections 1 and 2) about your commuting habits. Next, there will be a series of questions (Section 3), each presenting you with two possible routes and asking which route you would choose. Finally, there will be a section (Section 4) asking you for some demographic information.

**GENERAL INSTRUCTIONS:** Using your mouse, click on the circle or box (or boxes) next to the answer (or answers) that best reflects your situation.

**COMPLETION TIME:** approximately 10-15 minutes.

**CONFIDENTIALITY:** The information you provide is confidential and will be used solely for research by Professor Chandra Bhat and Monique Stinson. Individual responses will not be examined for personal information; the research will focus only on groups of respondents.

**Note:** The terms "WORK" and "SCHOOL" are interchangeable in all of these questions.

<p><b>Section 1. Please tell us about your bicycling and commuting habits by answering the following questions.</b></p>
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**Question 1-1.** How much do you agree with the following statement: "I consider myself a bicyclist."

Strongly Agree  
Agree  
I don't know  
Disagree  
Strongly Disagree

**Question 1-2.** How much do you agree with the following statement: "I ride a bicycle often."

Strongly Agree  
Agree  
I don't know  
Disagree  
Strongly Disagree

**Question 1-3.** In the past six months, have you ridden a bike for any of the following reasons? Please check all that apply.

Commuting.  
Doing errands.  
Exercise.  
Visiting friends or family.  
Other recreation (parades, riding with family, etc.).  
Racing.  
Stunt-riding.

**Question 1-4.** How many automobiles does your household own?

0    1    2    3    4 or more

**Question 1-5.** Which statement best describes your situation?

- I bicycle to work regularly (or at least, when I can tolerate the weather).
- I have experience in bicycling to work, but currently do not bicycle to work.
- I am not very experienced in bicycling to work, but I might bicycle to work in the future.
- I am not very experienced in bicycling to work, and I am not interested in trying it.

*If you are retired or are in between jobs, or if you always work at home, please skip the rest of Sections 1 and 2, and move on to Section 3.*

**Question 1-6.** On the days that you have commuted to work in the past three months, what are some circumstances that have prevented you from riding a bicycle to work every day? Please check all that apply.

- Unpleasant weather.
- Not enough daylight to ride safely.
- Unsafe neighborhoods.
- Stolen or broken bike.
- An injury or illness.
- Other personal reasons (too busy, too tired, etc).
- n/a -- I rode a bike to work every day.
- Other reason (please type into box below).

Other reason: \_\_\_\_\_

**Question 1-7.** How far do you live from your work?

- Less than 1 mile
- 1-3 miles
- 3-5 miles
- 5-10 miles
- 10-20 miles
- Over 20 miles

**Question 1-8.** Which of the following is available at your work? Please check all that apply.

- Bike racks.
- Bicycle lockers, or a safe storage room.
- Showers.
- Clothing lockers.

**Question 1-9.** Do you have flexible work hours? (That is, do you have some freedom in choosing when to arrive at/depart from work?)

Yes    No

**Question 1-10.** What means of travel have you used to get to your current

workplace? Please check all that apply.

Bicycle.

Bus.

Train.

Bus & train (on same commute).

Drove by myself.

Carpooled/vanpooled.

Walked the entire distance.

Auto & transit (car to station, then took transit).

Bike & transit (bike to station, then took transit).

Other.

**Question 1-11.** Based on the experiences you checked above, aside from bicycling,

which of these ways usually is the SLOWEST way to get to work? (You will be asked about bicycling later - with Questions 1-11 and 1-12, we are hoping to understand what your other options are.)

Bus.

Train.

Bus & train.

Driving by myself.

Carpool/vanpool.

Walking the entire distance.

Auto & transit. Bike & transit.

Other.

n/a -- I have not used any of the above.

...how long does it usually take to travel to work this way?

less than 10 minutes

10-15 minutes

15-20 minutes

20-25 minutes

25-30 minutes

30-40 minutes

40-50 minutes

50-60 minutes

over 60 minutes

**Question 1-12.** Based on the experiences you checked above, aside from bicycling,

which of these ways usually is the FASTEST way to get to work?

Bus.

Train.

Bus & train.

Driving by myself.

Carpool/vanpool.

Walking the entire distance.

Auto & transit. Bike & transit.

Other.

n/a -- I have not used any of the above.

...how long does it usually take to travel to work this way?

less than 10 minutes

10-15 minutes  
15-20 minutes  
20-25 minutes  
25-30 minutes  
30-40 minutes  
40-50 minutes  
50-60 minutes  
over 60 minutes

**Section 2. This section is only for people who currently commute by bicycle at least occasionally. If you have not used a bicycle to get to work in the past six months, and you don't think you'll use a bicycle to get to work in the next six months, please skip this section and move on to Section 3.**

**Question 2-1.** Compared to other bike commuters, how fast do you usually ride to work?

Very Fast  
Fast  
Average  
Slow  
Very Slow

If you know your average commuting (by bicycle) speed, please enter it in the space below (in mph):

**Question 2-2.** Please indicate how long you have been commuting by bicycle on a regular basis.

< 1 year  
1-3 years  
3-5 years  
5-10 years  
10-20 years  
over 20 years

**Question 2-3.** From March through May, how often do you commute by bicycle to work?

Never  
About once or twice a month  
About once a week  
About 2-3 days per week  
About 4-5 (or more) days per week

**Question 2-4.** From June through August, how often do you commute by bicycle to work?

Never  
About once or twice a month  
About once a week  
About 2-3 days per week  
About 4-5 (or more) days per week

**Question 2-5.** From September through November, how often do you commute by bicycle to work?

- Never
- About once or twice a month
- About once a week
- About 2-3 days per week
- About 4-5 (or more) days per week

**Question 2-6.** From December through February, how often do you commute by bicycle to work?

- Never
- About once or twice a month
- About once a week
- About 2-3 days per week
- About 4-5 (or more) days per week

**Question 2-7.** How long does it usually take to commute from home to work by bicycle?

- less than 10 minutes
- 10-15 minutes
- 15-20 minutes
- 20-25 minutes
- 25-30 minutes
- 30-40 minutes
- 40-50 minutes
- 50-60 minutes
- over 60 minutes

**Question 2-8.** What kind of bicycle do you usually ride to work? (Please indicate the type of bike that is most similar to the one you ride.)

- mountain bike
- road bike
- hybrid
- touring bike
- cruiser
- recumbent
- dirt bike

**Question 2-9.** How else can you classify your main commuting bike?

- single-speed or fixed gear
- 2-speed or 3-speed
- more than 3 speeds

**Question 2-10.** What are the most important reasons to you for bicycling to work?

From the following list, please pick the most important, the second most important, and the third most important reasons for you to bicycle to work:

- Fitness/Health concerns
- Concern for problems related to automobiles
- Convenience/Speed
- Avoid driving in congested conditions
- Avoid relying on public transit
- Financial reasons
- Pleasure/Enjoyment
- Limited auto parking
- Other (please type in)

(Look below to see the space where you enter your answers.)

--which of the above is the MOST important reason to you for riding to work?

- Fitness/Health concerns
- Concern for problems related to automobiles
- Convenience/Speed
- Avoid driving in congested conditions
- Avoid relying on public transit
- Financial reasons
- Pleasure/Enjoyment
- Limited auto parking
- Other (please type in)

--which of the above is the SECOND MOST important reason to you for riding to work?

- Fitness/Health concerns
- Concern for problems related to automobiles
- Convenience/Speed
- Avoid driving in congested conditions
- Avoid relying on public transit
- Financial reasons
- Pleasure/Enjoyment
- Limited auto parking
- Other (please type in)

--which of the above is the THIRD MOST important reason to you for riding to work?

- Fitness/Health concerns
- Concern for problems related to automobiles
- Convenience/Speed
- Avoid driving in congested conditions
- Avoid relying on public transit
- Financial reasons
- Pleasure/Enjoyment
- Limited auto parking
- Other (please type in)

--if you selected "other" for any of the above questions, please type in the reason here: \_\_\_\_\_

**Question 2-11.** Think for a moment about the route that you usually take when you bicycle to your workplace. Why do you take this route? What do you like about it? Below is a list of some route characteristics. Please tell us what are the most important, the second most important, and the third most important qualities that you like about this route (compared to other routes you could take).

- Good pavement
- Avoid big uphill
- Travel time -- I want to get to work quickly
- Getting a good workout
- Avoiding stop signs and/or stoplights
- Safety from motor vehicles
- Nice scenery
- Other (please type in)

(Look below to see the space where you enter your answers.)

--what is the MOST important characteristic of this route (compared to other routes you could take to work)?

- Good pavement
- Avoids big uphill
- Travel time -- I want to get to work quickly
- Getting a good workout
- Avoiding stop signs and/or stoplights
- Safety from motor vehicles
- Nice scenery
- Other (please type in)

--what is the SECOND MOST important characteristic of this route (compared to other routes you could take to work)?

- Good pavement
- Avoids big uphill
- Travel time -- I want to get to work quickly
- Getting a good workout
- Avoiding stop signs and/or stoplights
- Safety from motor vehicles
- Nice scenery
- Other (please type in)

--what is the THIRD MOST important characteristic of this route (compared to other routes you could take to work)?

- Good pavement
- Avoids big uphill
- Travel time -- I want to get to work quickly
- Getting a good workout
- Avoiding stop signs and/or stoplights
- Safety from motor vehicles
- Nice scenery
- Other (please type in)

--if you selected "other" for any of the above three questions, please type in the characteristic here:



*This next section presents a series of questions asking you which route you would choose. Please take your time answering these questions -- they are the most important part of the survey. Thank you!*

SECTION 3. Imagine that you have just begun a new job, and that you would like to commute by bicycle to this new job. There are many ways to get there, and you are exploring your options. Each question contains a description of some routes you could take to get to this new job. Imagine that the "base alternative" (Route 1) is always an option, and that you mentally compare each new route alternative to this base alternative. For each question, please tell us which of the two routes you would probably choose for bicycling to work.

**DEFINITIONS**

Continuous: the whole route has a bicycle facility (a bicycle facility can be either a bike lane, a bike path, or a wide right-hand lane)  
Discontinuous: 75% of the route has a bicycle facility; on the other 25%, bicyclists must share a narrow (10'-12') lane with automobiles  
\*For more definitions on route characteristics (such as "minor arterial"),  
[click here.](#)

**OTHER FEATURES OF THE FOLLOWING ROUTES:**

If a particular characteristic is not mentioned, assume that it is the same for each route (for example, assume that all routes are exactly the same distance). Therefore, you are being asked to consider ONLY the characteristics in the questions. (Other versions of the survey contain different characteristics; this helps keep the questions simple.)

.....  
**Question 3-1.**

**Route 1**

Minor arterial  
Wide (14') right-hand lane  
Continuous  
1 or 2 red lights

**Route 2**

Residential street  
Wide (14') right-hand lane  
Discontinuous  
No red lights

Which route would you choose?

Route 1  
Route 2

.....  
**Question 3-2.**

**Route 1**

Minor arterial  
Wide (14') right-hand lane  
Continuous\*

**Route 3**

Residential street  
Narrow (10'-12') auto lane

1 or 2 red lights

3 or more red lights

\*There is no bicycle facility, therefore continuity/discontinuity does not apply to Route 3.

Which route would you choose?

Route 1  
Route 3



**Question 3-3.**

**Route 1**

Minor arterial  
Wide (14') right-hand lane  
Continuous  
1 or 2 red lights

**Route 4**

Major arterial  
Bike lane  
Continuous  
1 or 2 red lights

Which route would you choose?

Route 1  
Route 4



**Question 3-4.**

**Route 1**

Minor arterial  
Wide (14') right-hand lane  
Continuous  
1 or 2 red lights

**Route 5**

Minor arterial  
Bike lane  
Discontinuous  
No red lights

Which route would you choose?

Route 1  
Route 5



**Question 3-5.**

**Route 1**

Minor arterial\*  
Wide (14') right-hand lane  
Continuous  
1 or 2 red lights

**Route 6**

Separate path  
Continuous  
3 or more red lights

\*Route 6 is an uninterrupted bike path -- i.e., bicyclists only encounter auto traffic when the path crosses roads (at the red lights).

Which route would you choose?

Route 1  
Route 6



**Question 3-6.**

**Route 1**

Minor arterial  
Wide (14') right-hand lane  
Continuous  
1 or 2 red lights

**Route 7**

Minor arterial  
Separate path  
Discontinuous  
3 or more red lights

Which route would you choose?

Route 1  
Route 7



**Question 3-7.**

**Route 1**

Minor arterial  
Wide (14') right-hand lane  
Continuous  
1 or 2 red lights

**Route 8**

Residential street  
Bike lane  
Discontinuous  
1 or 2 red lights

Which route would you choose?

Route 1  
Route 8

**Section 4. Residence location and demographic information. (Remember, this information is confidential.)**

**Question 4-1.** Which general region of the U.S. do you live in or near?

the Northeast or Alaska  
the South or Hawaii  
Southwest  
Midwest  
Northwest  
n/a - I live in another country

...how long have you lived in this region?

< 1 year  
1-3 years  
3-5 years  
5-10 years  
10-20 years  
over 20 years

**Question 4-2.** What kind of area do you live in?

Rural  
Suburban  
Urban/Downtown

**Question 4-3.** What kind of area do you work in?

Rural  
Suburban  
Urban/Downtown

**Question 4-4.** Please indicate if you live within 75 miles of any of the following:

an ocean, sea, or gulf  
one of the Great Lakes or the Great Salt Lake  
none of the above

**Question 4-5.** Are you:

Female  
Male  
Decline to answer

**Question 4-6.** What is your age?

under 18  
18-24  
25-34  
35-44  
45-54  
55-64  
65 and up

**Question 4-7.** What is your household's total annual income?

less than \$20,000  
\$20,000-\$30,000  
\$30,000-\$40,000  
\$40,000-\$50,000  
\$50,000-\$60,000  
\$60,000-\$75,000  
\$75,000-\$100,000  
over \$100,000

**Question 4-8.** What is your residence's 5-digit zip code? \_\_\_\_\_

**\*\*If you would like to receive information about the results, please enter your e-mail address below. When you are ready to submit the survey, simply click on the "submit" button.\*\*** \_\_\_\_\_

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Survey written by Monique A. Stinson and Dr. Chandra R. Bhat, 2002.

Survey 2, Section 3

This next section presents a series of questions asking you which route you would choose. Please take your time answering these questions -- they are the most important part of the survey. Thank you!

SECTION 3. Imagine that you have just begun a new job, and that you would like to commute by bicycle to this new job. There are many ways to get there, and you are exploring your options. Each question contains a description of some routes you could take to get to this new job. Imagine that the "base alternative" (Route 1) is always an option, and that you mentally compare each new route alternative to this base alternative. For each question, please tell us which of the two routes you would probably take.

NOTES ON THE FOLLOWING ROUTES:

1. The quickest possible way to work (by bike) takes 5 minutes.
2. If a particular characteristic is not mentioned, assume that it is the same for each route (for example, assume that all routes have exactly the same pavement quality). Therefore, you are being asked to consider ONLY the characteristics in the questions. (Other versions of the survey contain different characteristics; this helps keep the questions simple.)
3. Travel times are approximate. In calculating travel time, it is assumed that you travel slowly on uphill and quickly on downhill, so that you are traveling at a reasonable pace at all times. Therefore, travel time represents the approximate time it will take to complete the route at the average speed of 12 mph. (If your average speed is actually faster or slower, please humor us and pretend it is 12 mph -- the alternative is putting everything in terms of distance, which is a more accurate but less understandable measure.)

\*\*\*\*\*

Question 3-1.

Route 1

Parallel parking is permitted

Some moderate uphill

Travel time: 7.5 minutes

You will cross 2 major roads

Route 2

No parking is allowed

Some moderate uphill

Travel time: 5 minutes

You will cross 4 or more major roads

Which route would you choose?

Route 1

Route 2

\*\*\*\*\*

Question 3-2.

Route 1

Parallel parking is permitted

Some moderate uphill

Route 3

Parallel parking is permitted

Flat - no hills

Travel time: 7.5 minutes  
You will cross 2 major roads

Travel time: 7.5 minutes  
You will cross 4 major roads

Which route would you choose?

Route 1  
Route 3

\*\*\*\*\*

Question 3-3.

Route 1  
Parallel parking is permitted  
Some moderate uphill  
Travel time: 7.5 minutes  
You will cross 2 major roads

Route 4  
Parallel parking is permitted  
Some moderate uphill  
Travel time: 12.5 minutes  
You will cross no major roads

Which route would you choose?

Route 1  
Route 4

\*\*\*\*\*

Question 3-4.

Route 1  
Parallel parking is permitted  
Some moderate uphill  
Travel time: 7.5 minutes  
You will cross 2 major roads

Route 5  
No parking is allowed  
Some very steep uphill  
Travel time: 5 minutes  
You will cross 1 major road

Which route would you choose?

Route 1  
Route 5

\*\*\*\*\*

Question 3-5.

Route 1  
Parallel parking is permitted  
Some moderate uphill  
Travel time: 7.5 minutes  
You will cross 2 major roads

Route 6  
Parallel parking is permitted  
Flat - no hills  
Travel time: 12.5 minutes  
You will cross no major roads

Which route would you choose?

Route 1  
Route 6

\*\*\*\*\*

Question 3-6.

Route 1  
Parallel parking is permitted  
Some moderate uphill  
Travel time: 7.5 minutes  
You will cross 2 major roads

Route 7  
No parking is allowed  
Some very steep uphill  
Travel time: 10 minutes  
You will cross 3 major roads

Which route would you choose?

Route 1  
Route 7

\*\*\*\*\*

Question 3-7.

Route 1  
Parallel parking is permitted  
Some moderate uphill  
Travel time: 7.5 minutes  
You will cross 2 major roads

Route 8  
Parallel parking is permitted  
Some very steep uphill  
Travel time: 12.5 minutes  
You will cross no major roads

Which route would you choose?

Route 1  
Route 8

\*\*\*\*\*

Question 3-8.

Route 1  
Parallel parking is permitted  
Some moderate uphill  
Travel time: 7.5 minutes  
You will cross 2 major roads

Route 9  
No parking is allowed  
Flat - no hills  
Travel time: 5 minutes  
You will cross 4 major roads

Which route would you choose?

Route 1  
Route 9

\*\*\*\*\*

Question 3-9.

Route 1  
Parallel parking is permitted  
Some moderate uphill  
Travel time: 7.5 minutes  
You will cross 2 major roads

Route 10  
No parking is allowed  
Some moderate uphill  
Travel time: 10 minutes  
You will cross 2 major roads

Which route would you choose?

Route 1

Route 10

\*\*\*\*\*

Question 3-10.

Route 1  
Parallel parking is permitted  
Some moderate uphill  
Travel time: 7.5 minutes  
You will cross 2 major roads

Route 11  
No parking is allowed  
Flat - no hills  
Travel time: 10 minutes  
You will cross 3 major roads

Which route would you choose?

Route 1  
Route 11

\*\*\*\*\*

Question 3-11.

Route 1  
Parallel parking is permitted  
Some moderate uphill  
Travel time: 7.5 minutes  
You will cross 2 major roads

Route 12  
Parallel parking is permitted  
Some very steep uphill  
Travel time: 7.5 minutes  
You will cross no major roads

Which route would you choose?

Route 1  
Route 12

Survey 3, Section 3

This next section presents a series of questions asking you which route you would choose. Please take your time answering these questions -- they are the most important part of the survey. Thank you!

SECTION 3. Imagine that you have just begun a new job, and that you would like to commute by bicycle to this new job. There are many ways to get there, and you are exploring your options. Each question contains a description of some routes you could take to get to this new job. Imagine that the "base alternative" (Route 1) is always an option, and that you mentally compare each new route alternative to this base alternative. For each question, please tell us which of the two routes you would probably take.

NOTES ON THE FOLLOWING ROUTES:

1. The quickest possible way to bike to work takes 20 minutes. (This assumes an average speed of 12 mph, which is a typical average commuting speed for bicyclists. If you know that you actually bicycle faster or



slower, please humor us - the alternative is using distance, which is a more accurate but less understandable measure.)

2. If a particular characteristic is not mentioned, assume that it is the same for each route (for example, assume that all routes have exactly the same scenery, the same level of traffic, etc.). Therefore, you are being asked to consider ONLY the characteristics in the questions. (Other versions of the survey contain different characteristics; this helps keep the questions simple.)

3. On-road/Off-road route -- the route is on-road unless specified otherwise.

For descriptions of pavement types, click [here](#).

\*\*\*\*\*

Question 3-1.

Route 1

No parking is allowed

Rough pavement

Travel time: 25 minutes

There is a stop sign every 1/2-mile (about 4 blocks)

Route 2

Parallel parking is permitted

Smooth pavement

Travel time: 25 minutes

There is a stop sign every 1/2-mile (about 4 blocks)

Which route would you choose?

Route 1

Route 2

\*\*\*\*\*

Question 3-2.

Route 1

No parking is allowed

Rough pavement

Travel time: 25 minutes

There is a stop sign every 1/2-mile (about 4 blocks)

Route 3

(no parking - bike path)

Coarse sand riding surface

Travel time: 25 minutes

There is a stop sign every 1/2-mile (about 4 blocks)

Which route would you choose?

Route 1

Route 3

\*\*\*\*\*

Question 3-3.

Route 1

No parking is allowed

Rough pavement

Travel time: 25 minutes

There is a stop sign every 1/2-mile (about 4 blocks)

Route 4

Parallel parking is permitted

Rough pavement

Travel time: 20 minutes

There is a stop sign every 1/2-mile (about 4 blocks)

Which route would you choose?

Route 1  
Route 4

\*\*\*\*\*

Question 3-4.

Route 1  
No parking is allowed  
Rough pavement  
Travel time: 25 minutes  
There is a stop sign every 1/2-mile (about 4 blocks)

Route 5  
Parallel parking is permitted  
Smooth pavement  
Travel time: 20 minutes  
There is a stop sign every 1/4-mile (about 2 blocks)

Which route would you choose?

Route 1  
Route 5

\*\*\*\*\*

Question 3-5.

Route 1  
No parking is allowed  
Rough pavement  
Travel time: 25 minutes  
There is a stop sign every 1/2-mile (about 4 blocks)

Route 6  
(no parking - bike path)  
Coarse sand riding surface  
Travel time: 20 minutes  
There is a stop sign every 1/4-mile (about 2 blocks)

Which route would you choose?

Route 1  
Route 6

\*\*\*\*\*

Question 3-6.

Route 1  
No parking is allowed  
Rough pavement  
Travel time: 25 minutes  
There is a stop sign every 1/2-mile (about 4 blocks)

Route 7  
No parking is allowed  
Rough pavement  
Travel time: 30 minutes  
There is a stop sign every mile (about 8 blocks)

Which route would you choose?

Route 1  
Route 7

\*\*\*\*\*

Question 3-7.

Route 1

No parking is allowed

Rough pavement

Travel time: 25 minutes

There is a stop sign every 1/2-mile (about 4 blocks)

Route 8

No parking is allowed

Smooth pavement

Travel time: 30 minutes

There is a stop sign every 1/4-mile (about 2 blocks)

Which route would you choose?

Route 1

Route 8

\*\*\*\*\*

Question 3-8.

Route 1

No parking is allowed

Rough pavement

Travel time: 25 minutes

There is a stop sign every 1/2-mile (about 4 blocks)

Route 9

(no parking - bike path)

Coarse sand riding surface

Travel time: 30 minutes

There is a stop sign every 1/2-mile (about 4 blocks)

Which route would you choose?

Route 1

Route 9

\*\*\*\*\*

Whew! Take a deep breath - you're about halfway done.

\*\*\*\*\*

Question 3-9.

Route 1

No parking is allowed

Rough pavement

Travel time: 25 minutes

There is a stop sign every 1/2-mile (about 4 blocks)

Route 10

No parking is allowed

Rough pavement

Travel time: 35 minutes

There is a stop sign every mile (about 8 blocks)

Which route would you choose?

Route 1

Route 10

\*\*\*\*\*

Question 3-10.

Route 1  
No parking is allowed  
Rough pavement  
Travel time: 25 minutes  
There is a stop sign every 1/2-mile (about 4 blocks)

Route 11  
Parallel parking is permitted  
Smooth pavement  
Travel time: 35 minutes  
There is a stop sign every 1/2-mile (about 4 blocks)

Which route would you choose?

Route 1  
Route 11

\*\*\*\*\*

Question 3-11.

Route 1  
No parking is allowed  
Rough pavement  
Travel time: 25 minutes  
There is a stop sign every 1/2-mile (about 4 blocks)

Route 12  
(no parking - bike path)  
Coarse sand riding surface  
Travel time: 35 minutes  
There is a stop sign every 1/2-mile (about 4 blocks)

Which route would you choose?

Route 1  
Route 12

\*\*\*\*\*

Question 3-12.

Route 1  
No parking is allowed  
Rough pavement  
Travel time: 25 minutes  
There is a stop sign every 1/2-mile (about 4 blocks)

Route 13  
Parallel parking is permitted  
Rough pavement  
Travel time: 25 minutes  
There is a stop sign every mile (about 8 blocks)

Which route would you choose?

Route 1  
Route 13

\*\*\*\*\*

Question 3-13.

Route 1  
No parking is allowed  
Rough pavement  
Travel time: 25 minutes  
There is a stop sign every 1/2-mile (about 4 blocks)

Route 14  
No parking is allowed  
Smooth pavement  
Travel time: 25 minutes  
There is a stop sign every 1/4-mile (about 2 blocks)

Which route would you choose?

Route 1  
Route 14

\*\*\*\*\*

Question 3-14.

Route 1  
No parking is allowed  
Rough pavement  
Travel time: 25 minutes  
There is a stop sign every 1/2-mile (about 4 blocks)

Route 15  
(no parking - bike path)  
Coarse sand riding surface  
Travel time: 20 minutes  
There is a stop sign every mile (about 8 blocks)

Which route would you choose?

Route 1  
Route 15

\*\*\*\*\*

Question 3-15.

Route 1  
No parking is allowed  
Rough pavement  
Travel time: 25 minutes  
There is a stop sign every 1/2-mile (about 4 blocks)

Route 16  
Parallel parking is permitted  
Rough pavement  
Travel time: 20 minutes  
There is a stop sign every mile (about 8 blocks)

Which route would you choose?

Route 1  
Route 16

### Survey 4(a), Section 3

This next section presents a series of questions asking you which route you would choose. Please take your time answering these questions -- they are the most important part of the survey. Thank you!

SECTION 3. Imagine that you have just begun a new job, and that you would like to commute by bicycle to this new job. There are many ways to get there, and you are exploring your options. Each question contains a description of some routes you could take to get to this new job. Imagine that the "base alternative" (Route 1) is always an option, and that you mentally compare each new route alternative to this base alternative. For each question, please tell us which of the two routes you would probably take.

There are 11 questions in this section.

DEFINITIONS

Continuous: the whole route has a bicycle facility (that is, the whole route has either a bike lane, a bike path, or a wide right-hand lane)

Discontinuous: 75% of the route has a bicycle facility, but for the other 25%, cyclists must share a narrow (10'-12') lane with automobiles

\*For more definitions (of "arterial" and bicycle facility types), click here.

OTHER FEATURES OF THE FOLLOWING ROUTES:

1. The fastest way to bike to work takes 5 minutes; it is assumed that you bicycle at an average speed of 12 mph, which is a typical speed for commuter cycling.

2. If a particular characteristic is not mentioned, assume that it is the same for each route (for example, assume that all routes have exactly the same number of left turns, exactly the same scenery, etc.). Therefore, you are being asked to consider ONLY the characteristics in the questions. (Other versions of the survey contain different characteristics; this helps keep the questions simple.)

\*\*\*\*\*

Route 1	Route 2
Minor arterial	Major arterial
Wide (14') right-hand lane	Wide (14') right-hand lane
Discontinuous	Discontinuous
Travel time: 10 minutes	Travel time: 5 minutes

Which route would you choose?

Route 1  
Route 2

\*\*\*\*\*

Route 1	Route 3
Minor arterial	Residential street
Wide (14') right-hand lane	Bike lane
Discontinuous	Continuous
Travel time: 10 minutes	Travel time: 20 minutes

Which route would you choose?

Route 1  
Route 3

\*\*\*\*\*

Route 1	Route 4
Minor arterial	*
Wide (14') right-hand lane	Separate path
Discontinuous	Continuous
Travel time: 10 minutes	Travel time: 20 minutes

\*Route 4 has no automobile traffic -- route is off-road.

Which route would you choose?

Route 1  
Route 4

\*\*\*\*\*

Route 1  
Minor arterial  
Wide (14') right-hand lane  
Discontinuous  
Travel time: 10 minutes

Route 5  
\*  
Separate path  
Continuous  
Travel time: 10 minutes

\*Route 5 has no automobile traffic - route is off-road.

Which route would you choose?

Route 1  
Route 5

\*\*\*\*\*

Route 1  
Minor arterial  
Wide (14') right-hand lane  
Discontinuous  
Travel time: 10 minutes

Route 6  
Residential street  
Wide (14') right-hand lane  
Discontinuous  
Travel time: 20 minutes

Which route would you choose?

Route 1  
Route 6

\*\*\*\*\*

Route 1  
Minor arterial  
Wide (14') right-hand lane  
Discontinuous  
Travel time: 10 minutes

Route 7  
Major arterial  
Bike lane  
Discontinuous  
Travel time: 10 minutes

Which route would you choose?

Route 1  
Route 7

\*\*\*\*\*

Route 1  
Minor arterial  
Wide (14') right-hand lane  
Discontinuous  
Travel time: 10 minutes

Route 8  
Major arterial\*  
Separate path\*  
Discontinuous\*  
Travel time: 5 minutes

\*In other words, 75% of Route 8 is on a separate path,  
and 25% of it is on a major arterial.

Which route would you choose?

Route 1

Route 8

\*\*\*\*\*

Route 1

Minor arterial

Wide (14') right-hand lane

Discontinuous

Travel time: 10 minutes

Route 9

Minor arterial

Wide (14') right-hand lane

Continuous

Travel time: 15 minutes

Which route would you choose?

Route 1

Route 9

\*\*\*\*\*

Route 1

Minor arterial

Wide (14') right-hand lane

Discontinuous

Travel time: 10 minutes

Route 10

Minor arterial

Bike lane

Continuous

Travel time: 15 minutes

Which route would you choose?

Route 1

Route 10

\*\*\*\*\*

Route 1

Minor arterial

Wide (14') right-hand lane

Discontinuous

Travel time: 10 minutes

Route 11

Minor arterial

Separate path

Discontinuous

Travel time: 15 minutes

Which route would you choose?

Route 1

Route 11

\*\*\*\*\*

Route 1

Minor arterial

Wide (14') right-hand lane

Discontinuous

Travel time: 10 minutes

Route 12

Major arterial

Bike lane

Continuous

Travel time: 5 minutes

Which route would you choose?



Route 1  
Route 12

Survey 4(b), Section 3

This next section presents a series of questions asking you which route you would choose. Please take your time answering these questions -- they are the most important part of the survey. Thank you!

SECTION 3. Imagine that you have just begun a new job, and that you would like to commute by bicycle to this new job. There are many ways to get there, and you are exploring your options. Each question contains a description of some routes you could take to get to this new job. Imagine that the "base alternative" (Route 1) is always an option, and that you mentally compare each new route alternative to this base alternative. For each question, please tell us which of the two routes you would probably take.

There are 13 questions in this section.

NOTES ON THE FOLLOWING ROUTES:

1. The quickest possible way to work (by bike) takes 25 minutes. We have assumed an average speed of 12 mph, which is a typical speed for bicycle commuting. (If you know your average speed is actually faster or slower, please humor us and pretend it is 12 mph -- the alternative is putting everything in terms of distance, which is a more accurate but less understandable measure.)

2. If a particular characteristic is not mentioned, assume that it is the same for each route (for example, assume that all routes have exactly the same number of left turns). Therefore, you are being asked to consider ONLY the characteristics in the questions. (Other versions of the survey contain different characteristics; this helps keep the questions simple.)

Definitions on route characteristics - [click here](#).

\*\*\*\*\*

Route 1

Minor arterial  
Wide (14') right-hand lane  
Travel time: 30 minutes

Route 2

Residential street  
Narrow (10'-12') auto lane  
Travel time: 40 minutes

Which route would you choose?

Route 1  
Route 2

\*\*\*\*\*

Route 1  
Minor arterial  
Wide (14') right-hand lane  
Travel time: 30 minutes

Route 3  
Major arterial  
Bike lane  
Travel time: 30 minutes

Which route would you choose?

Route 1  
Route 3

\*\*\*\*\*

Route 1  
Minor arterial  
Wide (14') right-hand lane  
Travel time: 30 minutes

Route 4  
Residential street  
Wide (14') right-hand lane  
Travel time: 35 minutes

Which route would you choose?

Route 1  
Route 4

\*\*\*\*\*

Route 1  
Minor arterial  
Wide (14') right-hand lane  
Travel time: 30 minutes

Route 5  
Residential street  
Narrow (10'-12') auto lane  
Travel time: 25 minutes

Which route would you choose?

Route 1  
Route 5

\*\*\*\*\*

Route 1  
Minor arterial  
Wide (14') right-hand lane  
Travel time: 30 minutes

Route 6  
Major arterial  
Bike lane  
Travel time: 35 minutes

Which route would you choose?

Route 1  
Route 6

\*\*\*\*\*

Route 1  
Minor arterial  
Wide (14') right-hand lane  
Travel time: 30 minutes

Route 7  
Residential street  
Narrow (10'-12') auto lane  
Travel time: 30 minutes

Which route would you choose?

Route 1  
Route 7

\*\*\*\*\*

Route 1  
Minor arterial  
Wide (14') right-hand lane  
Travel time: 30 minutes

Route 8  
Residential street  
Wide (14') right-hand lane  
Travel time: 40 minutes

Which route would you choose?

Route 1  
Route 8

\*\*\*\*\*

Whew! Take a deep breath - you're about halfway done...

\*\*\*\*\*

Route 1  
Minor arterial  
Wide (14') right-hand lane  
Travel time: 30 minutes

Route 9  
Minor arterial  
Narrow (10'-12') auto lane  
Travel time: 25 minutes

Which route would you choose?

Route 1  
Route 9

\*\*\*\*\*

Route 1  
Minor arterial  
Wide (14') right-hand lane  
Travel time: 30 minutes

Route 10  
Major arterial  
Wide (14') right-hand lane  
Travel time: 25 minutes

Which route would you choose?

Route 1  
Route 10

\*\*\*\*\*

Route 1  
Minor arterial  
Wide (14') right-hand lane  
Travel time: 30 minutes

Route 11  
Minor arterial  
Bike lane  
Travel time: 35 minutes

Which route would you choose?

Route 1  
Route 11

\*\*\*\*\*

Route 1  
Minor arterial  
Wide (14') right-hand lane  
Travel time: 30 minutes

Route 12  
Residential street  
Narrow (10'-12') auto lane  
Travel time: 35 minutes

Which route would you choose?

Route 1  
Route 12

\*\*\*\*\*

Route 1  
Minor arterial  
Wide (14') right-hand lane  
Travel time: 30 minutes

Route 13  
Major arterial  
Bike lane  
Travel time: 40 minutes

Which route would you choose?

Route 1  
Route 13

\*\*\*\*\*

Route 1  
Minor arterial  
Wide (14') right-hand lane  
Travel time: 30 minutes

Route 14  
Minor arterial  
Bike lane  
Travel time: 40 minutes

Which route would you choose?

Route 1  
Route 14

### Survey 5(a), Section 3

This next section presents a series of questions asking you which route you would choose. Please take your time answering these questions -- they are the most important part of the survey. Thank you!

SECTION 3. Imagine that you have just begun a new job, and that you would like to commute by bicycle to this new job. There are many ways to get there, and you are exploring your options. Each question contains a description of some routes you could take to get to this new job. Imagine that the "base alternative" (Route 1) is always an option, and that you mentally compare each new route alternative to this base alternative. For each question, please tell us which of the two routes you would probably take.

There are 8 questions in this section.

NOTE ON THE FOLLOWING ROUTES:

If a particular characteristic is not mentioned, assume that it is the same for each route (for example, assume that all routes are exactly the same distance). Therefore, you are being asked to consider ONLY the characteristics in the questions. (Other versions of the survey contain different characteristics; this helps keep the questions simple.)

For descriptions of pavement types and bicycle facility types, such as "separate path," click [here](#).

\*\*\*\*\*

Route 1	Route 2
Rough pavement	Rough pavement
Wide (14') right-hand lane	Narrow (10'-12') auto lane
There is a stop sign every 1/2-mile (about 4 blocks)	There is a stop sign every mile (about 8 blocks)

Which route would you choose?

Route 1  
Route 2

\*\*\*\*\*

Route 1	Route 3
Rough pavement	Rough pavement
Wide (14') right-hand lane	Bike lane
There is a stop sign every 1/2-mile (about 4 blocks)	There is a stop sign every 1/4-mile (about 2 blocks)

Which route would you choose?

Route 1  
Route 3

\*\*\*\*\*

Route 1	Route 4
Rough pavement	Rough pavement
Wide (14') right-hand lane	Separate path
There is a stop sign every 1/2-mile (about 4 blocks)	There is a stop sign every 1/2-mile (about 4 blocks)

Which route would you choose?

Route 1  
Route 4

\*\*\*\*\*

Route 1	Route 5
Rough pavement	Smooth pavement
Wide (14') right-hand lane	Narrow (10'-12') auto lane
There is a stop sign every 1/2-mile (about 4 blocks)	There is a stop sign every mile (about 8 blocks)

Which route would you choose?

Route 1  
Route 5

\*\*\*\*\*

Route 1  
Rough pavement  
Wide (14') right-hand lane  
There is a stop sign every 1/2-mile (about 4 blocks)

Route 6  
Smooth pavement  
Wide (14') right-hand lane  
There is a stop sign every 1/4-mile (about 2 blocks)

Which route would you choose?

Route 1  
Route 6

\*\*\*\*\*

Route 1  
Rough pavement  
Wide (14') right-hand lane  
There is a stop sign every 1/2-mile (about 4 blocks)

Route 7  
Smooth pavement  
Bike lane  
There is a stop sign every 1/4-mile (about 2 blocks)

Which route would you choose?

Route 1  
Route 7

\*\*\*\*\*

Route 1  
Rough pavement  
Wide (14') right-hand lane  
There is a stop sign every 1/2-mile (about 4 blocks)

Route 8  
Smooth pavement  
Separate path  
There is a stop sign every 1/4-mile (about 2 blocks)

Which route would you choose?

Route 1  
Route 8

\*\*\*\*\*

Route 1  
Rough pavement  
Wide (14') right-hand lane  
There is a stop sign every 1/2-mile (about 4 blocks)

Route 9  
Coarse sand riding surface  
Separate path  
There is a stop sign every 1/2-mile (about 4 blocks)

Which route would you choose?

Route 1  
Route 9

This next section presents a series of questions asking you which route you would choose. Please take your time answering these questions -- they are the most important part of the survey. Thank you!

SECTION 3. Imagine that you have just begun a new job, and that you would like to commute by bicycle to this new job. There are many ways to get there, and you are exploring your options. Each question contains a description of some routes you could take to get to this new job. Imagine that the "base alternative" (Route 1) is always an option, and that you mentally compare each new route alternative to this base alternative. For each question, please tell us which of the two routes you would probably take.

There are 11 questions in this section.

NOTE ON THE FOLLOWING ROUTES:

If a particular characteristic is not mentioned, assume that it is the same for each route (for example, assume that all routes are exactly the same distance). Therefore, you are being asked to consider ONLY the characteristics in the questions. (Other versions of the survey contain different characteristics; this helps keep the questions simple.)

For more descriptions of bicycle facility types (e.g., "separate path"), click [here](#).

\*\*\*\*\*

Route 1	Route 2
Wide (14') right-hand lane	Narrow (10'-12') auto lane
There is a stop sign every 1/2-mile (about 4 blocks)	There is a stop sign every 1/2-mile (about 4 blocks)
3 red lights	No red lights

Which route would you choose?

Route 1  
Route 2

\*\*\*\*\*

Route 1	Route 3
Wide (14') right-hand lane	Bike lane
There is a stop sign every 1/2-mile (about 4 blocks)	There is a stop sign every 1/2-mile (about 4 blocks)
3 red lights	4 red lights

Which route would you choose?

Route 1  
Route 3

\*\*\*\*\*

Route 1	Route 4
Wide (14') right-hand lane	Separate path
There is a stop sign every 1/2-mile (about 4 blocks)	There is a stop sign every 1/2-mile (about 4 blocks)
3 red lights	5 red lights

Which route would you choose?

Route 1  
Route 4

\*\*\*\*\*

Route 1  
Wide (14') right-hand lane  
There is a stop sign every 1/2-mile (about 4 blocks)  
3 red lights

Route 5  
Narrow (10'-12') auto lane  
There is a stop sign every mile (about 8 blocks)  
2 red lights

Which route would you choose?

Route 1  
Route 5

\*\*\*\*\*

Route 1  
Wide (14') right-hand lane  
There is a stop sign every 1/2-mile (about 4 blocks)  
3 red lights

Route 6  
Wide (14') right-hand lane  
There is a stop sign every mile (about 8 blocks)  
5 red lights

Which route would you choose?

Route 1  
Route 6

\*\*\*\*\*

Route 1  
Wide (14') right-hand lane  
There is a stop sign every 1/2-mile (about 4 blocks)  
3 red lights

Route 7  
Bike lane  
There is a stop sign every mile (about 8 blocks)  
4 red lights

Which route would you choose?

Route 1  
Route 7

\*\*\*\*\*

Route 1  
Wide (14') right-hand lane  
There is a stop sign every 1/2-mile (about 4 blocks)  
3 red lights

Route 8  
Separate path  
There is a stop sign every mile (about 8 blocks)  
5 red lights

Which route would you choose?

Route 1  
Route 8

\*\*\*\*\*

Route 1

Route 9



Wide (14') right-hand lane  
There is a stop sign every 1/2-mile (about 4 blocks)  
3 red lights

Narrow (10'-12') auto lane  
There is a stop sign every 1/4-mile (about 2 blocks)  
No red lights

Which route would you choose?

Route 1  
Route 9

\*\*\*\*\*

Route 1  
Wide (14') right-hand lane  
There is a stop sign every 1/2-mile (about 4 blocks)  
3 red lights

Route 10  
Wide (14') right-hand lane  
There is a stop sign every 1/4-mile (about 2 blocks)  
1 red light

Which route would you choose?

Route 1  
Route 10

\*\*\*\*\*

Route 1  
Wide (14') right-hand lane  
There is a stop sign every 1/2-mile (about 4 blocks)  
3 red lights

Route 11  
Bike lane  
There is a stop sign every 1/4-mile (about 2 blocks)  
3 red lights

Which route would you choose?

Route 1  
Route 11

\*\*\*\*\*

Route 1  
Wide (14') right-hand lane  
There is a stop sign every 1/2-mile (about 4 blocks)  
3 red lights

Route 12  
Separate path  
There is a stop sign every 1/4-mile (about 2 blocks)  
3 red lights

Which route would you choose?

Route 1  
Route 12

### Survey 6, Section 3

This next section presents a series of questions asking you which route you would choose. Please take your time answering these questions -- they are the most important part of the survey. Thank you!

SECTION 3. Imagine that you have just begun a new job, and that you would like to commute by bicycle to this new job. There are many ways to get there, and you are exploring your options. Each question contains a description of some routes you could take to get to this new job. Imagine that the "base alternative" (Route 1) is always an option, and that you mentally compare each new route alternative to this base alternative. For each question, please tell us which of the two routes you would probably take.

There are 16 questions in this section.

OTHER FEATURES OF THE FOLLOWING ROUTES:

If a particular characteristic is not mentioned, assume that it is the same for each route (for example, assume that all routes have the same number of stop signs). Therefore, you are being asked to consider ONLY the characteristics in the questions. (Other versions of the survey contain different characteristics; this helps keep the questions simple.)

At some point, you must cross a bridge to get to this imaginary new job. Riding conditions on each bridge are generally different from the rest of the route, therefore each bridge is briefly described.

Note on Travel Time: The fastest possible way to bike to work takes 16 minutes. (This assumes a reasonable pace on flat ground, a slow pace uphill and a fast pace downhill, for an average travel speed of 12 mph, which is a typical speed for commuter cycling. If you know that you actually bicycle faster or slower, please humor us.) For

descriptions on street types (e.g., "minor arterial"), click here.

\*\*\*\*\*

Route 1  
Minor arterial  
Bridge with bike lane  
  
Some moderate uphill  
Travel time: 20 minutes

Route 2  
Minor arterial  
Bridge with wide walkway/bikeway,  
separated from cars by a sturdy barrier  
Some very steep uphill  
Travel time: 20 minutes

Which route would you choose?

Route 1  
Route 2

\*\*\*\*\*

Route 1  
Minor arterial  
Bridge with bike lane  
  
Some moderate uphill  
Travel time: 20 minutes

Route 3  
Residential street  
Bridge with narrow sidewalk and  
narrow auto lanes  
Some moderate uphill  
Travel time: 24 minutes

Which route would you choose?

Route 1

Route 3

\*\*\*\*\*

Route 1  
Minor arterial  
Bridge with bike lane  
Some moderate uphill  
Travel time: 20 minutes

Route 4  
Residential street  
Bicyclist/pedestrian bridge (no autos allowed)  
Some moderate uphill  
Travel time: 24 minutes

Which route would you choose?

Route 1

Route 4

\*\*\*\*\*

Route 1  
Minor arterial  
Bridge with bike lane  
  
Some moderate uphill  
Travel time: 20 minutes

Route 5  
Residential street  
Bridge with wide walkway/bikeway,  
separated from cars by a sturdy barrier  
Some very steep uphill  
Travel time: 24 minutes

Which route would you choose?

Route 1

Route 5

\*\*\*\*\*

Route 1  
Minor arterial  
Bridge with bike lane  
  
Some moderate uphill  
Travel time: 20 minutes

Route 6  
Major arterial  
Bridge with narrow sidewalk and  
narrow auto lanes  
Flat - no hills  
Travel time: 20 minutes

Which route would you choose?

Route 1

Route 6

\*\*\*\*\*

Route 1  
Minor arterial  
Bridge with bike lane  
Some moderate uphill  
Travel time: 20 minutes

Route 7  
Minor arterial  
Bridge with bike lane  
Flat - no hills  
Travel time: 24 minutes

Which route would you choose?

Route 1

Route 7

\*\*\*\*\*

Route 1  
Minor arterial  
Bridge with bike lane  
  
Some moderate uphill  
Travel time: 20 minutes

Route 8  
Residential street  
Bridge with narrow sidewalk and  
narrow auto lanes  
Flat - no hills  
Travel time: 30 minutes

Which route would you choose?

Route 1  
Route 8

\*\*\*\*\*

Route 1  
Minor arterial  
Bridge with bike lane  
Some moderate uphill  
Travel time: 20 minutes

Route 9  
Minor arterial  
Bicyclist/pedestrian bridge (no autos allowed)  
Some very steep uphill  
Travel time: 16 minutes

Which route would you choose?

Route 1  
Route 9

\*\*\*\*\*

About halfway done!

\*\*\*\*\*

Route 1  
Minor arterial  
Bridge with bike lane  
Some moderate uphill  
Travel time: 20 minutes

Route 10  
Major arterial  
Bicyclist/pedestrian bridge (no autos allowed)  
Some moderate uphill  
Travel time: 20 minutes

Which route would you choose?

Route 1  
Route 10

\*\*\*\*\*

Route 1  
Minor arterial  
Bridge with bike lane  
Some moderate uphill  
Travel time: 20 minutes

Route 11  
Residential street  
Bridge with bike lane  
Some moderate uphill  
Travel time: 30 minutes

Which route would you choose?

Route 1

Route 11

\*\*\*\*\*

Route 1  
Minor arterial  
Bridge with bike lane  
Some moderate uphill  
Travel time: 20 minutes

Route 12  
Minor arterial  
Bicyclist/pedestrian bridge (no autos allowed)  
Flat - no hills  
Travel time: 30 minutes

Which route would you choose?

Route 1

Route 12

\*\*\*\*\*

Route 1  
Minor arterial  
Bridge with bike lane  
  
Some moderate uphill  
Travel time: 20 minutes

Route 13  
Major arterial  
Bridge with wide walkway/bikeway,  
separated from cars by a sturdy barrier  
Some very steep uphill  
Travel time: 16 minutes

Which route would you choose?

Route 1

Route 13

\*\*\*\*\*

Route 1  
Minor arterial  
Bridge with bike lane  
Some moderate uphill  
Travel time: 20 minutes

Route 14  
Major arterial  
Bridge with bike lane  
Some moderate uphill  
Travel time: 16 minutes

Which route would you choose?

Route 1

Route 14

\*\*\*\*\*

Route 1  
Minor arterial  
Bridge with bike lane  
  
Some moderate uphill  
Travel time: 20 minutes

Route 15  
Minor arterial  
Bridge with narrow sidewalk and  
narrow auto lanes  
Some very steep uphill  
Travel time: 16 minutes

Which route would you choose?

Route 1

Route 15

\*\*\*\*\*

Route 1  
Minor arterial  
Bridge with bike lane  
  
Some moderate uphill  
Travel time: 20 minutes

Route 16  
Minor arterial  
Bridge with wide walkway/bikeway,  
separated from cars by a sturdy barrier  
Flat - no hills  
Travel time: 30 minutes

Which route would you choose?

Route 1  
Route 16

\*\*\*\*\*

Route 1  
Minor arterial  
Bridge with bike lane  
Some moderate uphill  
Travel time: 20 minutes

Route 17  
Major arterial  
Bicyclist/pedestrian bridge (no autos allowed)  
Flat - no hills  
Travel time: 20 minutes

Which route would you choose?

Route 1  
Route 17

### Survey 7, Section 3

This next section presents a series of questions asking you which route you would choose. Please take your time answering these questions -- they are the most important part of the survey. Thank you!

SECTION 3. Imagine that you have just begun a new job, and that you would like to commute by bicycle to this new job. There are many ways to get there, and you are exploring your options. Each question contains a description of some routes you could take to get to this new job. Imagine that the "base alternative" (Route 1) is always an option, and that you mentally compare each new route alternative to this base scenario. For each question, please tell us which of the two routes you would probably take.

There are 10 questions in this section.

#### OTHER FEATURES OF THE FOLLOWING ROUTES:

If a particular characteristic is not mentioned, assume that it is the same for each route (for example, assume that all routes are exactly the same distance, the same amount of automobile traffic, etc.). Therefore, you are being asked to consider ONLY the characteristics in the questions. (Other versions of the survey contain different characteristics; this helps keep the questions simple.)

Also, in order to get to this imaginary new job, you must cross a bridge. There are four bridges you could take; riding conditions on each

bridge are different from riding conditions on the rest of the route,  
therefore each bridge is briefly described. For more descriptions of  
pavement types and facility types (e.g., bike lanes), click here.

\*\*\*\*\*

Route 1  
No parking is allowed  
Smooth pavement  
Narrow (10'-12') auto lane  
Bridge with narrow sidewalk and narrow auto lanes

Route 2  
(no parking - route is a bike path)  
Rough pavement  
Separate path  
Bridge with narrow sidewalk and narrow auto lanes

Which route would you choose?

Route 1  
Route 2

\*\*\*\*\*

Route 1  
No parking is allowed  
Smooth pavement  
Narrow (10'-12') auto lane  
Bridge with narrow sidewalk and narrow auto lanes

Route 3  
Parallel parking is permitted  
Smooth pavement  
Wide (14') right-hand lane  
Bridge with a wide walkway/bikeway,  
separated from cars by a sturdy barrier

Which route would you choose?

Route 1  
Route 3

\*\*\*\*\*

Route 1  
No parking is allowed  
Smooth pavement  
Narrow (10'-12') auto lane  
Bridge with narrow sidewalk and narrow auto lanes

Route 4  
Parallel parking is permitted  
Smooth pavement  
Bike lane  
Bridge with bike lane

Which route would you choose?

Route 1  
Route 4

\*\*\*\*\*

Route 1  
No parking is allowed  
Smooth pavement  
Narrow (10'-12') auto lane  
Bridge with narrow sidewalk and narrow auto lanes

Route 5  
Parallel parking is permitted  
Smooth pavement  
Wide (14') right-hand lane  
Bridge with narrow sidewalk and narrow auto lanes

Which route would you choose?

Route 1  
Route 5

\*\*\*\*\*

Route 1  
No parking is allowed  
Smooth pavement  
Narrow (10'-12') auto lane  
Bridge with narrow sidewalk and narrow auto lanes

Route 6  
Parallel parking is permitted  
Smooth pavement  
Narrow (10'-12') auto lane  
Bridge with bike lane

Which route would you choose?

Route 1  
Route 6

\*\*\*\*\*

Route 1  
No parking is allowed  
Smooth pavement  
Narrow (10'-12') auto lane  
Bridge with narrow sidewalk and narrow auto lanes

Route 7  
No parking is allowed  
Rough pavement  
Wide (14') right-hand lane  
Bridge with bike lane

Which route would you choose?

Route 1  
Route 7

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Route 1  
No parking is allowed  
Smooth pavement  
Narrow (10'-12') auto lane  
Bridge with narrow sidewalk and narrow auto lanes

Route 8  
Parallel parking is permitted  
Rough pavement  
Wide (14') right-hand lane  
Bicyclist/pedestrian bridge (no autos allowed)

Which route would you choose?

Route 1  
Route 8

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Route 1  
No parking is allowed  
Smooth pavement  
Narrow (10'-12') auto lane  
Bridge with narrow sidewalk and narrow auto lanes

Route 9  
No parking is allowed  
Rough pavement  
Bike lane  
Bridge with narrow sidewalk and narrow auto lanes

Which route would you choose?

Route 1  
Route 9

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Route 1  
No parking is allowed  
Smooth pavement  
Narrow (10'-12') auto lane  
Bridge with narrow sidewalk and narrow auto lanes

Route 10  
Parallel parking is permitted  
Rough pavement  
Bike lane  
Bridge with a wide walkway/bikeway,  
separated from cars by a sturdy barrier

Which route would you choose?

Route 1  
Route 10

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Route 1  
No parking is allowed  
Smooth pavement  
Narrow (10'-12') auto lane  
Bridge with narrow sidewalk and narrow auto lanes

Route 11  
(no parking - route is a bike path)  
Smooth pavement  
Separate path  
Bridge with narrow sidewalk and narrow auto lanes

Which route would you choose?

Route 1  
Route 11