Survey of Route Choice  
Preferences of Commuter Bicyclists

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Monique A. Stinson  
and  
Chandra R. Bhat

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.

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

*********************************************************************
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.

Section 1. Please tell us about your bicycling and commuting habits by answering the following questions.

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
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 uphills
- 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 uphills
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 uphills
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 uphills
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	Route 2
Minor arterial	Residential street
Wide (14') right-hand lane	Wide (14') right-hand lane
Continuous	Discontinuous
1 or 2 red lights	No red lights

Which route would you choose?
Route 1
Route 2

Question 3-2.

Route 1	Route 3
Minor arterial	Residential street
Wide (14') right-hand lane	Narrow (10'-12') auto lane
Continuous*
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

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**Question 3-3.**

<table>
<thead>
<tr>
<th>Route 1</th>
<th>Route 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor arterial</td>
<td>Major arterial</td>
</tr>
<tr>
<td>Wide (14') right-hand lane</td>
<td>Bike lane</td>
</tr>
<tr>
<td>Continuous</td>
<td>Continuous</td>
</tr>
<tr>
<td>1 or 2 red lights</td>
<td>1 or 2 red lights</td>
</tr>
</tbody>
</table>

Which route would you choose?

Route 1
Route 4

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**Question 3-4.**

<table>
<thead>
<tr>
<th>Route 1</th>
<th>Route 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor arterial</td>
<td>Minor arterial</td>
</tr>
<tr>
<td>Wide (14') right-hand lane</td>
<td>Bike lane</td>
</tr>
<tr>
<td>Continuous</td>
<td>Discontinuous</td>
</tr>
<tr>
<td>1 or 2 red lights</td>
<td>No red lights</td>
</tr>
</tbody>
</table>

Which route would you choose?

Route 1
Route 5

---

**Question 3-5.**

<table>
<thead>
<tr>
<th>Route 1</th>
<th>Route 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor arterial*</td>
<td>Separate path</td>
</tr>
<tr>
<td>Wide (14') right-hand lane</td>
<td>Continuous</td>
</tr>
<tr>
<td>Continuous</td>
<td></td>
</tr>
<tr>
<td>1 or 2 red lights</td>
<td>3 or more red lights</td>
</tr>
</tbody>
</table>

*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.** _____________

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 uphills and quickly on downhills, 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 an 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.

<table>
<thead>
<tr>
<th>Route 1</th>
<th>Route 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parallel parking is permitted</td>
<td>No parking is allowed</td>
</tr>
<tr>
<td>Some moderate uphills</td>
<td>Some moderate uphills</td>
</tr>
<tr>
<td>Travel time: 7.5 minutes</td>
<td>Travel time: 5 minutes</td>
</tr>
<tr>
<td>You will cross 2 major roads</td>
<td>You will cross 4 or more major roads</td>
</tr>
</tbody>
</table>

Which route would you choose?

Route 1
Route 2

*************************************************

Question 3-2.

<table>
<thead>
<tr>
<th>Route 1</th>
<th>Route 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parallel parking is permitted</td>
<td>Parallel parking is permitted</td>
</tr>
<tr>
<td>Some moderate uphills</td>
<td>Flat - no hills</td>
</tr>
</tbody>
</table>

2002 Survey of Route Choice Preferences of Commuter Bicyclists
M. A. Stinson and C. R. Bhat
Travel time: 7.5 minutes  
You will cross 2 major roads

Which route would you choose?

Route 1  
Route 3

*************************************************

Question 3-3.  
Route 1  
Parallel parking is permitted  
Some moderate uphills  
Travel time: 7.5 minutes  
You will cross 2 major roads

Which route would you choose?

Route 1  
Route 4

*************************************************

Question 3-4.  
Route 1  
Parallel parking is permitted  
Some moderate uphills  
Travel time: 7.5 minutes  
You will cross 2 major roads

Which route would you choose?

Route 1  
Route 5

*************************************************

Question 3-5.  
Route 1  
Parallel parking is permitted  
Some moderate uphills  
Travel time: 7.5 minutes  
You will cross 2 major roads

Which route would you choose?

Route 1  
Route 6
Question 3-6.

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

Route 7
No parking is allowed
Some very steep uphills
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 uphills
Travel time: 7.5 minutes
You will cross 2 major roads

Route 8
Parallel parking is permitted
Some very steep uphills
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 uphills
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 uphills
Travel time: 7.5 minutes
You will cross 2 major roads

Route 10
No parking is allowed
Some moderate uphills
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 uphills
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 uphills
Travel time: 7.5 minutes
You will cross 2 major roads

Route 12
Parallel parking is permitted
Some very steep uphills
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.)

*---------------------------------------------------------------*
<table>
<thead>
<tr>
<th>Route 1</th>
<th>Route 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor arterial</td>
<td>Major arterial</td>
</tr>
<tr>
<td>Wide (14') right-hand lane</td>
<td>Wide (14') right-hand lane</td>
</tr>
<tr>
<td>Discontinuous</td>
<td>Discontinuous</td>
</tr>
<tr>
<td>Travel time: 10 minutes</td>
<td>Travel time: 5 minutes</td>
</tr>
</tbody>
</table>

Which route would you choose?

Route 1
Route 2

*---------------------------------------------------------------*
<table>
<thead>
<tr>
<th>Route 1</th>
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<tbody>
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<td>Minor arterial</td>
<td>Residential street</td>
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<tr>
<td>Wide (14') right-hand lane</td>
<td>Bike lane</td>
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<td>Continuous</td>
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<tr>
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<td>Travel time: 20 minutes</td>
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Which route would you choose?

Route 1
Route 3

*---------------------------------------------------------------*
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<thead>
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<tr>
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<td>Continuous</td>
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<tr>
<td>Travel time: 10 minutes</td>
<td>Travel time: 20 minutes</td>
</tr>
</tbody>
</table>

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

Which route would you choose?

Route 1
Route 4

**************************************************************

Route 1  Route 5
Minor arterial  
Wide (14') right-hand lane  Separate path
Discontinuous  Continuous
Travel time: 10 minutes  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  Route 6
Minor arterial  
Wide (14') right-hand lane  Wide (14') right-hand lane
Discontinuous  Discontinuous
Travel time: 10 minutes  Travel time: 20 minutes

Which route would you choose?

Route 1
Route 6

**************************************************************

Route 1  Route 7
Minor arterial  
Wide (14') right-hand lane  Bike lane
Discontinuous  Discontinuous
Travel time: 10 minutes  Travel time: 10 minutes

Which route would you choose?

Route 1
Route 7

**************************************************************

Route 1  Route 8
Minor arterial  
Wide (14') right-hand lane  Separate path
Discontinuous  Discontinuous
Travel time: 10 minutes  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?

<table>
<thead>
<tr>
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<td>Wide (14') right-hand lane</td>
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<td>Continuous</td>
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<td>Travel time: 10 minutes</td>
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Which route would you choose?

<table>
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<tr>
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<tr>
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Which route would you choose?

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<td>Bike lane</td>
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Which route would you choose?

<table>
<thead>
<tr>
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<tbody>
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<td>Minor arterial</td>
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<td>Separate path</td>
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<tr>
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<td>Continuous</td>
</tr>
<tr>
<td>Travel time: 10 minutes</td>
<td>Travel time: 15 minutes</td>
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Which route would you choose?

<table>
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<tbody>
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</tr>
<tr>
<td>Continuous</td>
<td>Continuous</td>
</tr>
<tr>
<td>Travel time: 10 minutes</td>
<td>Travel time: 5 minutes</td>
</tr>
</tbody>
</table>

Which route would you choose?
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.

<table>
<thead>
<tr>
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<tbody>
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<tr>
<td>Wide (14') right-hand lane</td>
<td>Narrow (10'-12') auto lane</td>
</tr>
<tr>
<td>Travel time: 30 minutes</td>
<td>Travel time: 40 minutes</td>
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</table>

Which route would you choose?

Route 1
Route 2
<table>
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<td>Which route would you choose?</td>
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<td>Route 1</td>
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<table>
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<tr>
<th>Route 6</th>
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<tbody>
<tr>
<td>Major arterial</td>
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<tr>
<td>Which route would you choose?</td>
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<td>Route 1</td>
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<table>
<thead>
<tr>
<th>Route 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential street</td>
</tr>
<tr>
<td>Travel time: 30 minutes</td>
</tr>
<tr>
<td>Which route would you choose?</td>
</tr>
<tr>
<td>Route 1</td>
</tr>
</tbody>
</table>
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
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?
<table>
<thead>
<tr>
<th>Route 1</th>
<th>Route 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rough pavement</td>
<td>Smooth pavement</td>
</tr>
<tr>
<td>Wide (14') right-hand lane</td>
<td>Wide (14') right-hand lane</td>
</tr>
<tr>
<td>There is a stop sign every 1/2-mile (about 4 blocks)</td>
<td>There is a stop sign every 1/4-mile (about 2 blocks)</td>
</tr>
</tbody>
</table>

Which route would you choose?

<table>
<thead>
<tr>
<th>Route 1</th>
<th>Route 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rough pavement</td>
<td>Smooth pavement</td>
</tr>
<tr>
<td>Wide (14') right-hand lane</td>
<td>Bike lane</td>
</tr>
<tr>
<td>There is a stop sign every 1/2-mile (about 4 blocks)</td>
<td>There is a stop sign every 1/4-mile (about 2 blocks)</td>
</tr>
</tbody>
</table>

Which route would you choose?

<table>
<thead>
<tr>
<th>Route 1</th>
<th>Route 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rough pavement</td>
<td>Smooth pavement</td>
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<tr>
<td>Wide (14') right-hand lane</td>
<td>Separate path</td>
</tr>
<tr>
<td>There is a stop sign every 1/2-mile (about 4 blocks)</td>
<td>There is a stop sign every 1/4-mile (about 2 blocks)</td>
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</tbody>
</table>

Which route would you choose?

<table>
<thead>
<tr>
<th>Route 1</th>
<th>Route 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rough pavement</td>
<td>Smooth pavement</td>
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<tr>
<td>Wide (14') right-hand lane</td>
<td>Separate path</td>
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<tr>
<td>There is a stop sign every 1/2-mile (about 4 blocks)</td>
<td>There is a stop sign every 1/2-mile (about 4 blocks)</td>
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</table>

Which route would you choose?

<table>
<thead>
<tr>
<th>Route 1</th>
<th>Route 9</th>
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<tbody>
<tr>
<td>Rough pavement</td>
<td>Coarse sand riding surface</td>
</tr>
<tr>
<td>Wide (14') right-hand lane</td>
<td>Separate path</td>
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<tr>
<td>There is a stop sign every 1/2-mile (about 4 blocks)</td>
<td>There is a stop sign every 1/2-mile (about 4 blocks)</td>
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</tbody>
</table>

Which route would you choose?

Survey 5(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 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
Which route would you choose?

<table>
<thead>
<tr>
<th>Route 1</th>
<th>Route 4</th>
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<td>Narrow (10'-12') auto lane</td>
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<tr>
<td>There is a stop sign every 1/2-mile (about 4 blocks)</td>
<td>There is a stop sign every mile (about 8 blocks)</td>
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<tr>
<td>3 red lights</td>
<td>2 red lights</td>
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Which route would you choose?

<table>
<thead>
<tr>
<th>Route 1</th>
<th>Route 6</th>
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<td>Wide (14') right-hand lane</td>
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<td>There is a stop sign every mile (about 8 blocks)</td>
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<tr>
<td>3 red lights</td>
<td>5 red lights</td>
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Which route would you choose?

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<thead>
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<td>There is a stop sign every 1/2-mile (about 4 blocks)</td>
<td>There is a stop sign every mile (about 8 blocks)</td>
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<td>3 red lights</td>
<td>4 red lights</td>
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Which route would you choose?

<table>
<thead>
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<table>
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<tr>
<th>Route 1</th>
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<tbody>
<tr>
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<td>Separate path</td>
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<td>There is a stop sign every 1/2-mile (about 4 blocks)</td>
<td>There is a stop sign every mile (about 8 blocks)</td>
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<tr>
<td>3 red lights</td>
<td>5 red lights</td>
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Which route would you choose?

<table>
<thead>
<tr>
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<th>Route 9</th>
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<table>
<thead>
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</table>
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        Route 2
Minor arterial Minor arterial
Bridge with bike lane Bridge with wide walkway/bikeway, separated from cars by a sturdy barrier
Some moderate uphills Some very steep uphills
Travel time: 20 minutes Travel time: 20 minutes

Which route would you choose?
Route 1
Route 2

*********************************************************
Route 1        Route 3
Minor arterial Residential street
Bridge with bike lane Bridge with narrow sidewalk and narrow auto lanes
Some moderate uphills Some moderate uphills
Travel time: 20 minutes Travel time: 24 minutes

Which route would you choose?
Route 1
2002 Survey of Route Choice Preferences of Commuter Bicyclists
M. A. Stinson and C. R. Bhat

Route 3

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

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

Which route would you choose?
Route 1
Route 4

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

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

Which route would you choose?
Route 1
Route 5

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

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

Which route would you choose?

Route 1
Route 9

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

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

Which route would you choose?

Route 1
Route 10

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

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

Which route would you choose?

Route 1
Route 11

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

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

Which route would you choose?

Route 1
Route 13

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

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

Which route would you choose?

Route 1
Route 14

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

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

Which route would you choose?

Route 1
Route 15

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M. A. Stinson and C. R. Bhat
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.

<table>
<thead>
<tr>
<th>Route 1</th>
<th>Route 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>No parking is allowed</td>
<td>(no parking - route is a bike path)</td>
</tr>
<tr>
<td>Smooth pavement</td>
<td>Rough pavement</td>
</tr>
<tr>
<td>Narrow (10’-12’) auto lane</td>
<td>Separate path</td>
</tr>
<tr>
<td>Bridge with narrow sidewalk and narrow auto lanes</td>
<td>Bridge with narrow sidewalk and narrow auto lanes</td>
</tr>
</tbody>
</table>

Which route would you choose?

Route 1
Route 2

<table>
<thead>
<tr>
<th>Route 1</th>
<th>Route 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>No parking is allowed</td>
<td>Parallel parking is permitted</td>
</tr>
<tr>
<td>Smooth pavement</td>
<td>Smooth pavement</td>
</tr>
<tr>
<td>Narrow (10’-12’) auto lane</td>
<td>Wide (14’) right-hand lane</td>
</tr>
<tr>
<td>Bridge with narrow sidewalk and narrow auto lanes</td>
<td>Bridge with a wide walkway/bikeway, separated from cars by a sturdy barrier</td>
</tr>
</tbody>
</table>

Which route would you choose?

Route 1
Route 3

<table>
<thead>
<tr>
<th>Route 1</th>
<th>Route 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>No parking is allowed</td>
<td>Parallel parking is permitted</td>
</tr>
<tr>
<td>Smooth pavement</td>
<td>Smooth pavement</td>
</tr>
<tr>
<td>Narrow (10’-12’) auto lane</td>
<td>Bike lane</td>
</tr>
<tr>
<td>Bridge with narrow sidewalk and narrow auto lanes</td>
<td>Bridge with bike lane</td>
</tr>
</tbody>
</table>

Which route would you choose?

Route 1
Route 4

<table>
<thead>
<tr>
<th>Route 1</th>
<th>Route 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>No parking is allowed</td>
<td>Parallel parking is permitted</td>
</tr>
<tr>
<td>Smooth pavement</td>
<td>Smooth pavement</td>
</tr>
<tr>
<td>Narrow (10’-12’) auto lane</td>
<td>Wide (14’) right-hand lane</td>
</tr>
<tr>
<td>Bridge with narrow sidewalk and narrow auto lanes</td>
<td>Bridge with narrow sidewalk and narrow auto lanes</td>
</tr>
</tbody>
</table>

Which route would you choose?
Route 1
Route 5

<table>
<thead>
<tr>
<th>Route 1</th>
<th>Route 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>No parking is allowed</td>
<td>Parallel parking is permitted</td>
</tr>
<tr>
<td>Smooth pavement</td>
<td>Smooth pavement</td>
</tr>
<tr>
<td>Narrow (10'-12') auto lane</td>
<td>Narrow (10'-12') auto lane</td>
</tr>
<tr>
<td>Bridge with narrow sidewalk and narrow auto lanes</td>
<td>Bridge with bike lane</td>
</tr>
</tbody>
</table>

Which route would you choose?

Route 1
Route 6

<table>
<thead>
<tr>
<th>Route 1</th>
<th>Route 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>No parking is allowed</td>
<td>No parking is allowed</td>
</tr>
<tr>
<td>Smooth pavement</td>
<td>Rough pavement</td>
</tr>
<tr>
<td>Narrow (10'-12') auto lane</td>
<td>Wide (14') right-hand lane</td>
</tr>
<tr>
<td>Bridge with narrow sidewalk and narrow auto lanes</td>
<td>Bridge with bike lane</td>
</tr>
</tbody>
</table>

Which route would you choose?

Route 1
Route 7

<table>
<thead>
<tr>
<th>Route 1</th>
<th>Route 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>No parking is allowed</td>
<td>Parallel parking is permitted</td>
</tr>
<tr>
<td>Smooth pavement</td>
<td>Rough pavement</td>
</tr>
<tr>
<td>Narrow (10'-12') auto lane</td>
<td>Wide (14') right-hand lane</td>
</tr>
<tr>
<td>Bridge with narrow sidewalk and narrow auto lanes</td>
<td>Bicyclist/pedestrian bridge (no autos allowed)</td>
</tr>
</tbody>
</table>

Which route would you choose?

Route 1
Route 8

<table>
<thead>
<tr>
<th>Route 1</th>
<th>Route 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>No parking is allowed</td>
<td>No parking is allowed</td>
</tr>
<tr>
<td>Smooth pavement</td>
<td>Rough pavement</td>
</tr>
<tr>
<td>Narrow (10'-12') auto lane</td>
<td>Bike lane</td>
</tr>
<tr>
<td>Bridge with narrow sidewalk and narrow auto lanes</td>
<td>Bridge with narrow sidewalk and narrow auto lanes</td>
</tr>
</tbody>
</table>

Which route would you choose?

Route 1
Route 9
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

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