Observers Training

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Session Outline

• Introduction
• Street Segments & Survey Procedure
• Detailed Description of Each Question
• Practice Segments
• Discussion & Conclusion
Street Segments and Survey Procedure
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Detailed Description of Each Question
Questionnaire Sections

- ID Info
- Section O: Segment Type
- Section A: Environment
- Section B: Pedestrian Facility
- Section C: Road Attributes
- Section D: Walking/Cycling Environment
- Section SA: Subjective Assessment
Question 0

Type of Segment
- Low Volume Road
- High Volume Road
- Pedestrian Path
Section A: Environment
Question 1

Types of Buildings/Features
- Housing - Single Family
- Housing - Multi Family
- Housing - Mobile Home
- Office/Institutional
- Commercial/Restaurant
- Industrial
- Vacant/Undeveloped
- Recreation

*check all that apply*
Q1 - Types of Buildings/Features
Single Family  Multi Family
Q1 - Types of Buildings/Features
Mobile Homes
Q1 - Types of Buildings/Features
Office/Institutional                      Commercial
Q1 - Types of Buildings/Features
Vacant Recreation
Question 2

Slope
• Flat
• Slight Hill
• Steep Hill
Q2 - Slope
Flat
Q2 - Slope
Slight Hill
Q2 - Slope
Steep Hill
Question 3

Segment Intersections

• Segment has 3 way intersection
• Segment has 4 way intersection
• Section has other intersection
• Section has deadend, but path continues
• Segment has deadend
• Segment has no intersections

check all that apply
Section B: Pedestrian Facility

Note: skip if none present
Question 4

Type(s) of Pedestrian Facility

- Footpath (worn dirt path)
- Paved Trail
- Sidewalk
- Pedestrian Street (closed to cars)
Q4 - Pedestrian Facility
No Path
Q4 - Pedestrian Facility
Trail/Footpath
Q4 - Pedestrian Facility
Paved Trail
Q4 - Pedestrian Facility
Sidewalk
Q4 - Pedestrian Facility
Pedestrian Street
NOTE:
The rest of the questions in section B refer to the BEST pedestrian facility in the segment.
Question 5

Path Material

- Asphalt
- Concrete
- Paving Bricks or Stone
- Gravel
- Dirt or Sand

(check all that apply)
Q5 - Path Material
Asphalt
Q5 - Path Material
Concrete
Q5 - Path Material
Paving Bricks or Stone
Q5 - Path Material
Gravel
Q5 - Path Material
Dirt or Sand
Question 6

Path Condition/Maintenance

- Poor (many bumps, cracks, holes and weeds)
- Fair (some bumps, cracks, holes and weeds)
- Good (very few bumps, cracks, holes and weeds)
- Under Repair
Q6 - Path Condition/Maintenance
Poor
Q6 - Path Condition/Maintenance
Fair
Q6 - Path Condition/Maintenance
Good
Question 7

Path Obstructions
• Poles or Signs
• Parked Cars
• Trees/Greenery
• Garbage Cans
• Other
• None

check all that apply
Q7 - Path Obstructions
Question 8

Buffers Between Road and Path

- Fence
- Trees
- Hedge
- Landscape
- Grass
- None

check all that apply
Q8 - Buffers

Fence

Hedges
Q8 - Buffers

Landscape

Grass
Q8 - Buffers
Trees and Grass
Question 9

Path Distance from Curb

• At Edge
• < 5 feet
• > 5 feet
Q9 - Distance from Curb
Question 10

Sidewalk Width
• < 4 feet
• 4 to 8 feet
• > 8 feet
Q10 - Sidewalk Width
Question 11

Curb Cuts
• None
• 1 to 4
• More than 4
Question 12

Sidewalk Completeness/Continuity

• Sidewalk is Complete
• Sidewalk is Incomplete
A complete sidewalk is one that does not end WITHIN the segment that is being observed.

This sidewalk is incomplete.
Question 13

Connectivity to Other Sidewalks

• Number of Connections ______________
Q13 - Sidewalk Connectivity

The number of connections the segment has to crosswalks and other sidewalks

Segment 1
Q13 - Sidewalk Connectivity
Section C: Road Attributes

(Skip if ped path only)
Question 14

Road Condition

• Poor (many bumps, cracks and holes)
• Fair (some bumps, cracks and holes)
• Good (very few bumps, cracks and holes)
• Under Repair
Q14 - Road Condition
Poor
Q14 - Road Condition
Fair
Q14 - Road Condition
Good
Question 15

Number of Lanes

• Minimum number of lanes to cross ___
• Maximum number of lanes to cross ___
Q15 - Number of Lanes to Cross
Segment 1

Minimum lanes to cross: 4

Maximum lanes to cross: 5
Question 16

Posted Speed Limit in Segment

- No Speed Limit Posted
- Posted Speed Limit (in mph) ______
Question 17

On Street Parking
• Parallel or Diagonal
• None

Note: If pavement is unmarked, check only if cars are parked
Q17 - On Street Parking
Parallel
Diagonal
Question 18

Off Street Parking Spaces

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Question 19

Do you have to walk through a parking lot to get to most buildings?

- Yes
- No
Question 20

Presence of med-hi volume driveways

- < 2
- 2 to 4
- > 4
Q20 - Driveways
Question 21

Traffic Control Devices

- Traffic Light
- Stop Sign
- Traffic Circle
- Speed Bump
- Chicane or Choker
- None

check all that apply
Q21 - Traffic Control Devices:
Traffic Light
Stop Sign
Q21 - Traffic Control Devices:
Traffic Circle

Speed Bump
Q21 - Traffic Control Devices:

Chicane

Choker
Question 22

Crosswalks

• None
• 1 to 2
• 3 to 4
• > 4
Question 23

Crossing Aids
• Yield to pedestrian paddle
• Pedestrian Signal
• Median/Traffic Island
• Curb Extension
• Overpass/Underpass
• Pedestrian Crossing Street Sign
• Flashing Warning
• Share the Road Sign
• None

check all that apply
Q23 - Crossing Aids: Yield to Ped Paddle
Q23 - Crossing Aids: Pedestrian Signal
Q23 - Crossing Aids:
Median/Traffic Island       Curb Extension
Q23 - Crossing Aids: Overpass
Q23 - Crossing Aids:
Ped Crossing Street Sign       Flashing Warning
Question 24

Bicycle Facilities

• Bicycle Route Sign
• Striped Bicycle Lane Designation
• Visible Bicycle Parking Facility
• Bicycle Crossing Warning
• None

check all that apply
Q24 - Bicycle Lane: None or Not Marked
Q24 - Designated Bikeway
Section D: Walking/Cycling Environment
Question 25

Roadway/Path Lighting

- Road-oriented Lighting
- Pedestrian Scale Lighting
- Other Lighting
- No Lighting
Streetlights
Question 26

Amenities

• Garbage Cans
• Bench
• Water Fountain
• Street Vendor/Vending Machine
• None

check all that apply
Question 27

Presence of Wayfinding Aids

• No
• Yes
Question 28

Number of Trees Shading Walking Area

• None or Very Few
• Some
• Many/Dense
Q28 - Number of Trees: None or Very Few
Q28 - Number of Trees: Some
Q28 - Number of Trees: Many/Dense
Question 29

Degree of Enclosure

• Little or No Enclosure
• Some Enclosure
• High Enclosure
Q29 - Degree of Enclosure:
Little or none
Q29 - Degree of Enclosure: Some enclosure
Q29 - Degree of Enclosure: High Enclosure
Question 30

Powerlines Along Segment

- Low Voltage/Distribution Line
- High Voltage/Transmission Line
- None
Q30 - Powerlines Along Segment:
High Voltage       Low Voltage
Question 31

Overall Cleanliness and Building Maintenance

• Poor (much litter/graffiti/broken facilities)
• Fair (few litter/graffiti/broken facilities)
• Good (no or almost no litter/graffiti/broken facilities)
Q31 - Cleanliness: Poor
Q31 - Cleanliness:
Fair
Q31 - Cleanliness
Good
Question 32

Articulation
- Little or No Articulation
- Some Articulation
- High Articulation
Q32 - Building Articulation:
Little or No Articulation
Q32 - Building Articulation:
Some Articulation
Q32 - Building Articulation:
Highly Articulated
Question 33

Building Setbacks from Sidewalk

- At Edge of Sidewalk
- Within 20 feet of Sidewalk
- More than 20 feet from Sidewalk
Q33 - Building Setback: At Edge of Sidewalk
Q33 - Building Setback: Within 20 Feet of Sidewalk
Q33 - Building Setback: More than 20 Feet from Sidewalk
Question 34

Building Height
- Short
- Medium
- Tall
Q34 - Building Height: Short
Q34 - Building Height: Medium
Q34 - Building Height: Tall
Question 35

Bus Stops

- Bus Stop with Shelter
- Bus Stop with Bench
- Bus Stop with Sign Only
- None
Q35 - Transit Facilities: Shelter
Q35 - Transit Facilities:
Bus stop with bench
Q35 - Transit Facilities:
Bus stop with sign only
Section SA:
Subjective Assessment
Scale

1 = Strongly Agree
2 = Agree
3 = Disagree
4 = Strongly Disagree
Subjective Questions

- Segment is Attractive for Walking
- Segment is Attractive for Cycling
- Segment is Safe for Walking
- Segment is Safe for Cycling
Practice Segments
Segment 1
Segment 2
Segment 3
Segment 4
Segment 5
Segment 7
Special Thanks to Suzanne Akkoush for her assistance and to Reid Ewing & Otto Clemente for use of their street segment movies.

Some photographs used courtesy of www.pedbikeimages.org