

# WALKABILITY AUDIT FY 21-22

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

# DATABASE CREATION WALKABILITY AUDIT

## SURVEY QUESTIONNAIRE

39. 1. Intersection control. Check all that apply

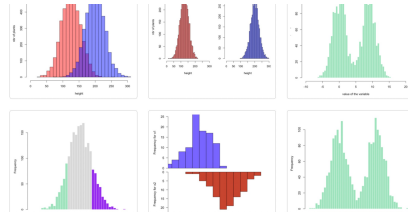
Check all that apply.

- Yield signs
- Stop Signs
- Traffic Signals
- Traffic Circle
- None of the above

40. 2. Signalization. Check all that apply

Check all that apply.

- Green arrows for dedicated vehicle turn
- Pedestrian walk signals
- Push buttons
- Countdown signal
- Audible walk signal
- None of the Above

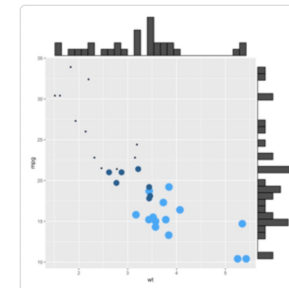
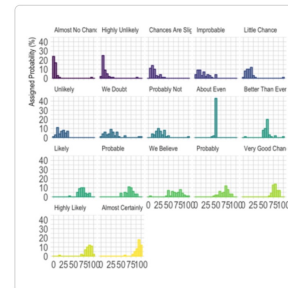
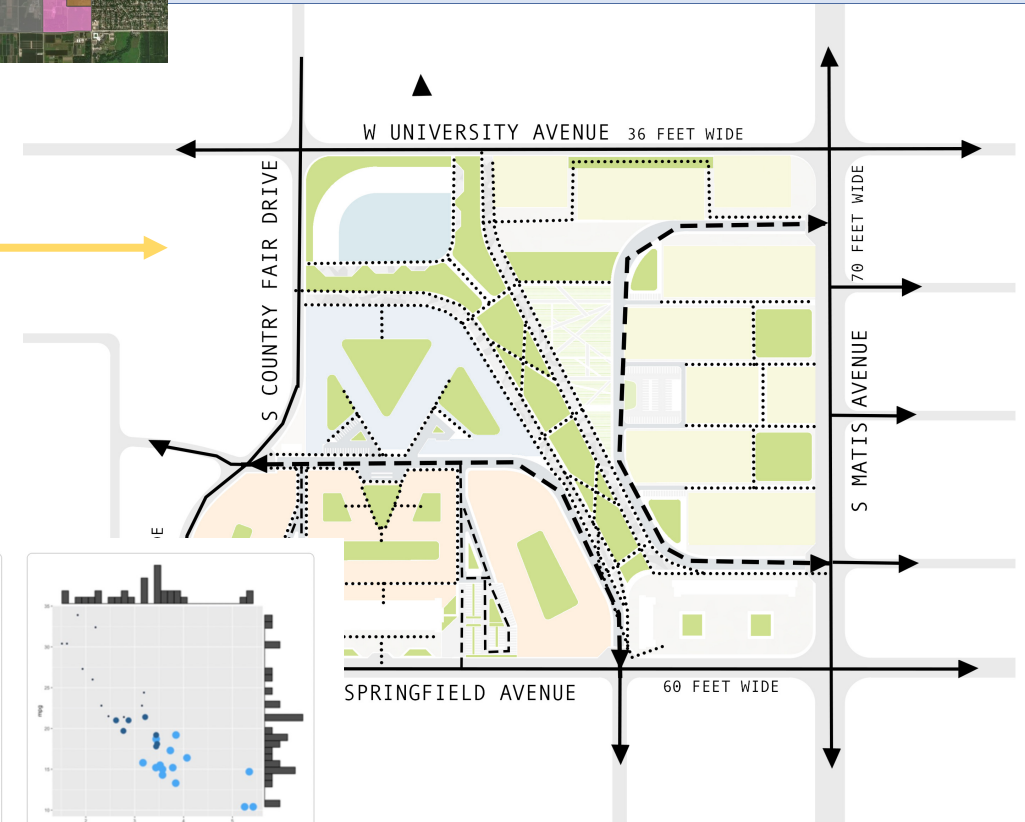
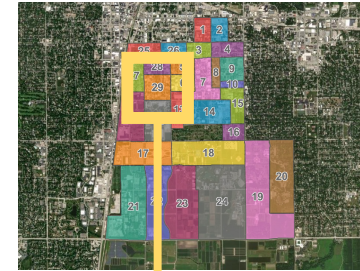


41. 3. Pre-crossing curb and post-crossing curb (Even if there is no marked crosswalk, there is still a crossing) Check one

Mark only one oval.

- Ramp lines up with crossing
- Ramp does not line up with crossing
- No ramp
- Other: \_\_\_\_\_

## MICROSCALE ANALYSIS OF SUB-DIVISIONS (DEFICIENCY REPORTING)



**SAFETY**

**ACCESSIBILITY**

**CONNECTIVITY**

**WALK APPEAL**

**STREET SAFETY ISSUES**

- Lighting
- Speed Management
- Buffers between traffic and pedestrian

**SIDEWALK SAFETY ISSUES**

- Presence
- Continuity
- Obstructions
- Surface
- Maintenance

**CROSSWALK ISSUES**

- Presence
- Markings
- Curb cuts
- Pedestrian islands
- Accessible Pedestrian signals
- Crosswalk timings
- Presence and Reach

**SIDEWALK DESIGN AND ACCESSIBILITY**

- Width
- Cross slopes
- Detectable warnings
- Curb Ramps

**CROSSWALK DESIGN AND ACCESSIBILITY ISSUES**

- Signalization
- Push buttons reach
- Surface

**TRANSIT CONNECTIVITY**

- Bus Shelters
- Information availability
- Amenities

**INTERMODAL CONNECTIVITY**

- Connectivity to other transit and parking spaces

**VISUAL APPEAL**

- Landscaping
- Presence of congregation spaces
- Landscaping

(MORE PARAMETERS TO BE ADDED/SUBTRACTED AFTER DISCUSSION.....)











































# SURVEY QUESTIONNAIRE ANALYSIS

 SAFETY

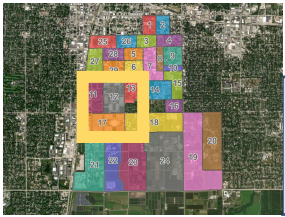
 ACCESSIBILITY

 CONNECTIVITY

 WALK APPEAL

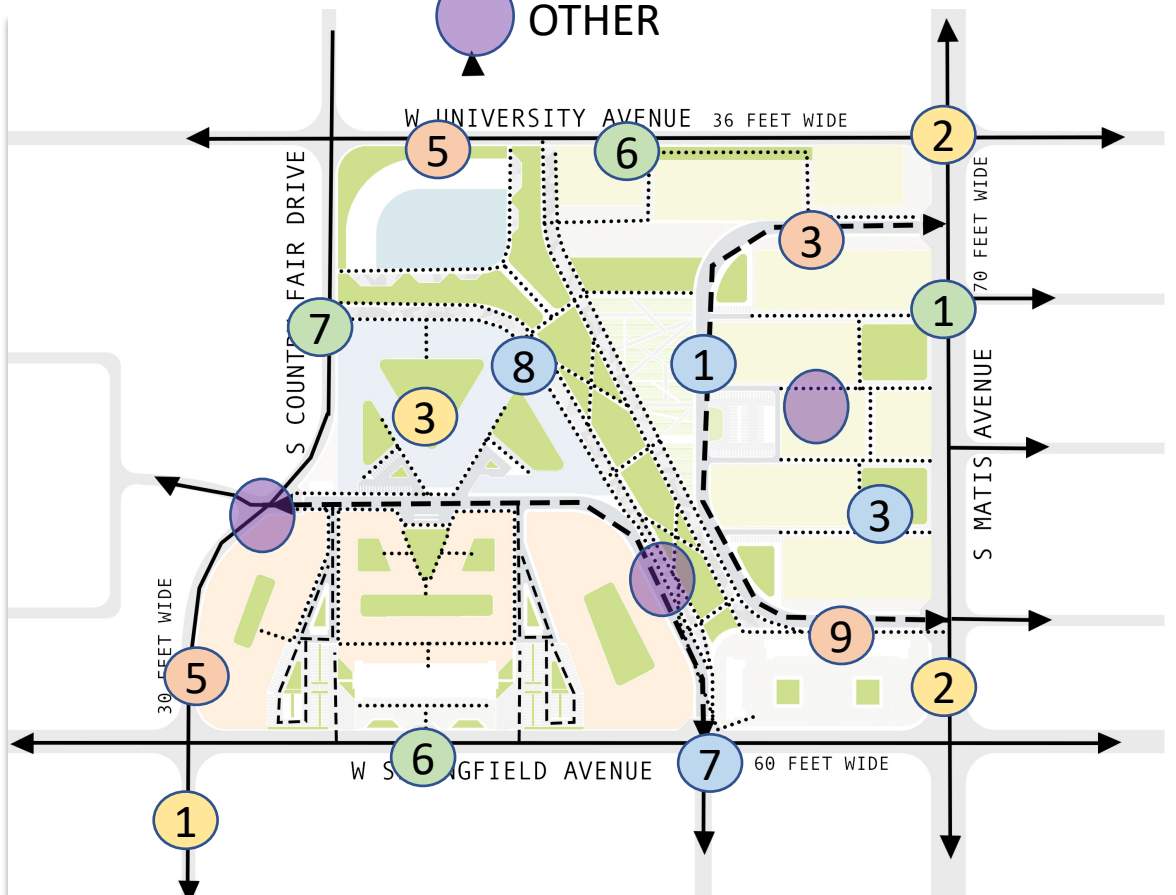
		Q1. Typology of data surveyor			Q22. Presence of sidewalk	
		Q2. Availability of Parking facilities			Q23. Width of sidewalk	
?		Q3. Type of Residential uses			Q24. Presence of buffer	
?		Q4. Percentage Presence of non-residential buildings			Q25. Width of buffer	
?		Q5. Percentage presence of parking lot drives between non-residential buildings			Q26. Continuity of sidewalk	
		Q6. Presence of other land uses			Q27. Degree of poor maintenance	
?		Q7. Number of transit stops			Q28. Presence of Obstructions	
		Q8. Amenities in each transit stop			Q29. Presence of temporary obstructions	
		Q9. Posted speed limit		?		Q30. Traffic lane number
		Q10. Presence of other street characteristics		?		Q31. Two way or one way street
		Q11. Presence of streetlights		?		Q32. Different place to walk incase of no sidewalk
?		Q12. Number of driveways or alleys			Q33. Bicycle lane marking or raised curb	
		Q13. Presence of street amenities			Q34. Bicycle use sign presence	
		Q14. Crossing safety			Q35. Number of trees present for shade	
		Q15. Hardscape feature presence			Q36. Percentage of sidewalk shaded	
		Q16. Softscape feature presence		?		Q37. Smallest building setback from sidewalk
?		Q17. Maintenance of buildings- percentage		?		Q38. Largest building setback from sidewalk
		Q18. Landscaping maintenance			Q39. Intersection control sign presence	
		Q19. Graffiti/ murals presence			Q40. Signal presence	
?		Q20. Extent of graffiti			Q41. Cross walk marking presence	
		Q21. Presence of other pedestrians			Q42. Presence of gutters	



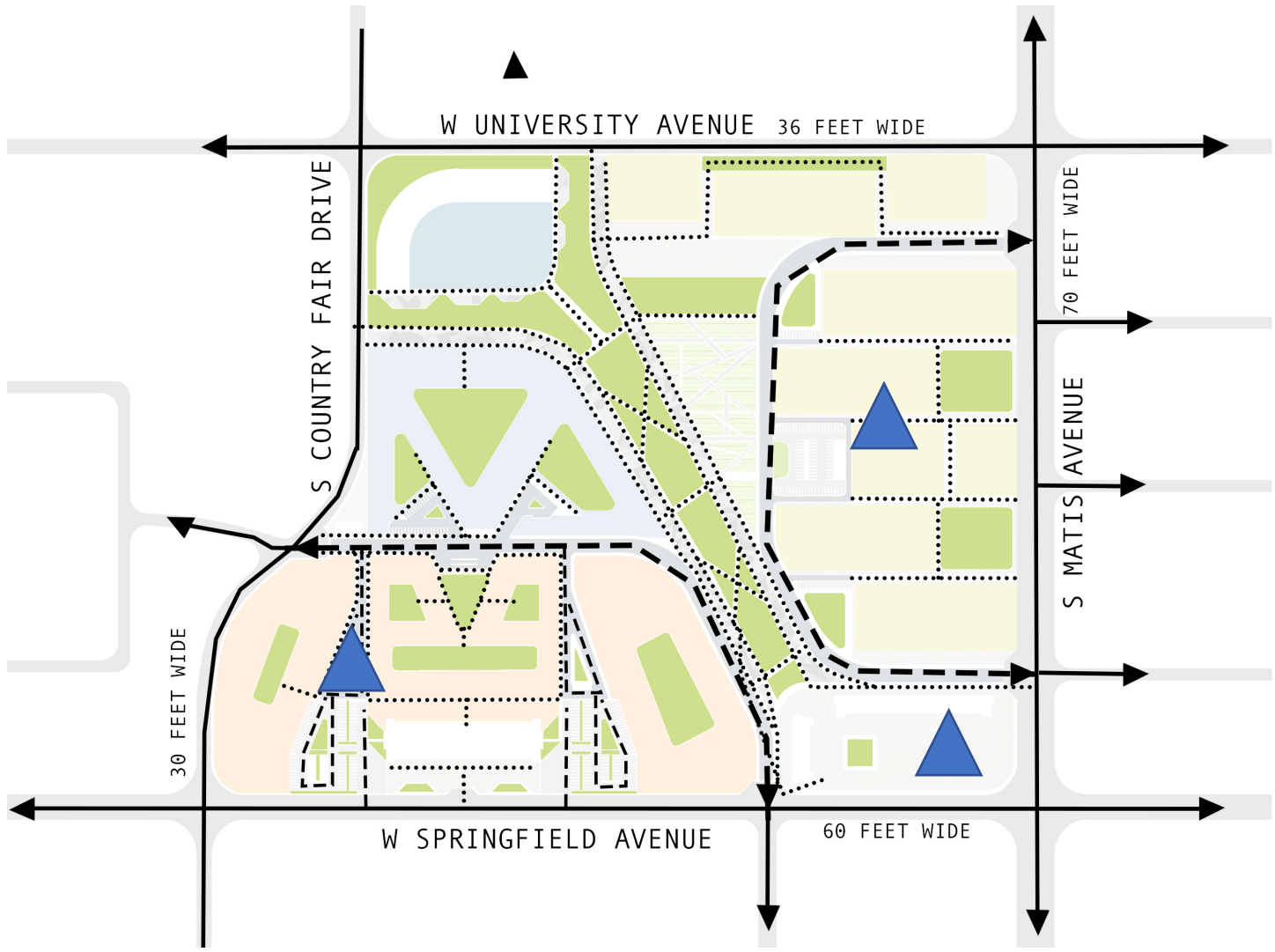


# MICROSCALE ANALYSIS OF SUB-DIVISIONS (DEFICIENCY REPORTING)

- SAFETY
- ACCESSIBILITY
- CONNECTIVITY
- WALK APPEAL
- OTHER



- |  |                               |   |                                   |
|--|-------------------------------|---|-----------------------------------|
| <span style="display: inline-block; width: 20px; height: 20px; background-color: yellow; border-radius: 50%; border: 1px solid black; margin-right: 5px;"></span> 1      | Poorly lit sidewalk           | <span style="display: inline-block; width: 20px; height: 20px; background-color: lightgreen; border-radius: 50%; border: 1px solid black; margin-right: 5px;"></span> 1 | Poor connection to other networks |
| <span style="display: inline-block; width: 20px; height: 20px; background-color: yellow; border-radius: 50%; border: 1px solid black; margin-right: 5px;"></span> 2      | No buffers present            | <span style="display: inline-block; width: 20px; height: 20px; background-color: lightgreen; border-radius: 50%; border: 1px solid black; margin-right: 5px;"></span> 2 | Discontinuity of sidewalk         |
| <span style="display: inline-block; width: 20px; height: 20px; background-color: yellow; border-radius: 50%; border: 1px solid black; margin-right: 5px;"></span> 3      | Discontinuous sidewalk        | <span style="display: inline-block; width: 20px; height: 20px; background-color: lightgreen; border-radius: 50%; border: 1px solid black; margin-right: 5px;"></span> 3 |                                   |
| <span style="display: inline-block; width: 20px; height: 20px; background-color: yellow; border-radius: 50%; border: 1px solid black; margin-right: 5px;"></span> 4      | Presence of obstruction       | <span style="display: inline-block; width: 20px; height: 20px; background-color: lightgreen; border-radius: 50%; border: 1px solid black; margin-right: 5px;"></span> 4 |                                   |
| <span style="display: inline-block; width: 20px; height: 20px; background-color: yellow; border-radius: 50%; border: 1px solid black; margin-right: 5px;"></span> 5      | Poorly maintained sidewalk    | <span style="display: inline-block; width: 20px; height: 20px; background-color: lightgreen; border-radius: 50%; border: 1px solid black; margin-right: 5px;"></span> 5 |                                   |
| <span style="display: inline-block; width: 20px; height: 20px; background-color: lightblue; border-radius: 50%; border: 1px solid black; margin-right: 5px;"></span> 1   | Absence of sloped curb cuts   | <span style="display: inline-block; width: 20px; height: 20px; background-color: lightblue; border-radius: 50%; border: 1px solid black; margin-right: 5px;"></span> 1  | Insufficient shade                |
| <span style="display: inline-block; width: 20px; height: 20px; background-color: lightblue; border-radius: 50%; border: 1px solid black; margin-right: 5px;"></span> 2   | Insufficient width            | <span style="display: inline-block; width: 20px; height: 20px; background-color: lightblue; border-radius: 50%; border: 1px solid black; margin-right: 5px;"></span> 2  | Insufficient landscape            |
| <span style="display: inline-block; width: 20px; height: 20px; background-color: lightorange; border-radius: 50%; border: 1px solid black; margin-right: 5px;"></span> 3 | Absence of signage            | <span style="display: inline-block; width: 20px; height: 20px; background-color: lightblue; border-radius: 50%; border: 1px solid black; margin-right: 5px;"></span> 3  |                                   |
| <span style="display: inline-block; width: 20px; height: 20px; background-color: lightorange; border-radius: 50%; border: 1px solid black; margin-right: 5px;"></span> 4 | Absence of crosswalk markings | <span style="display: inline-block; width: 20px; height: 20px; background-color: lightblue; border-radius: 50%; border: 1px solid black; margin-right: 5px;"></span> 4  |                                   |
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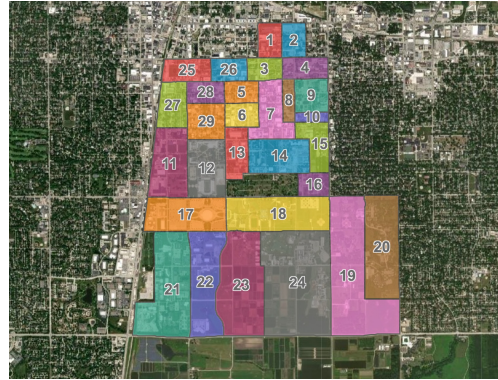
Sub-division maps to be marked with all sidewalks

▲ To be marked with points of interest

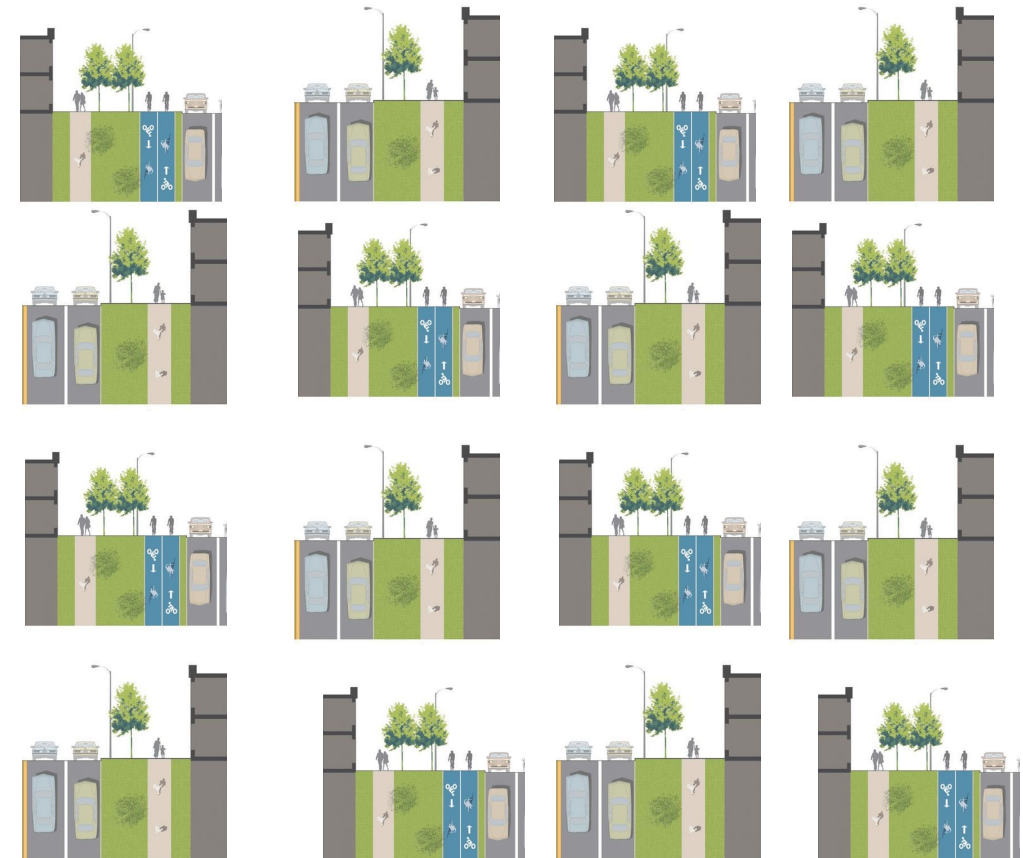
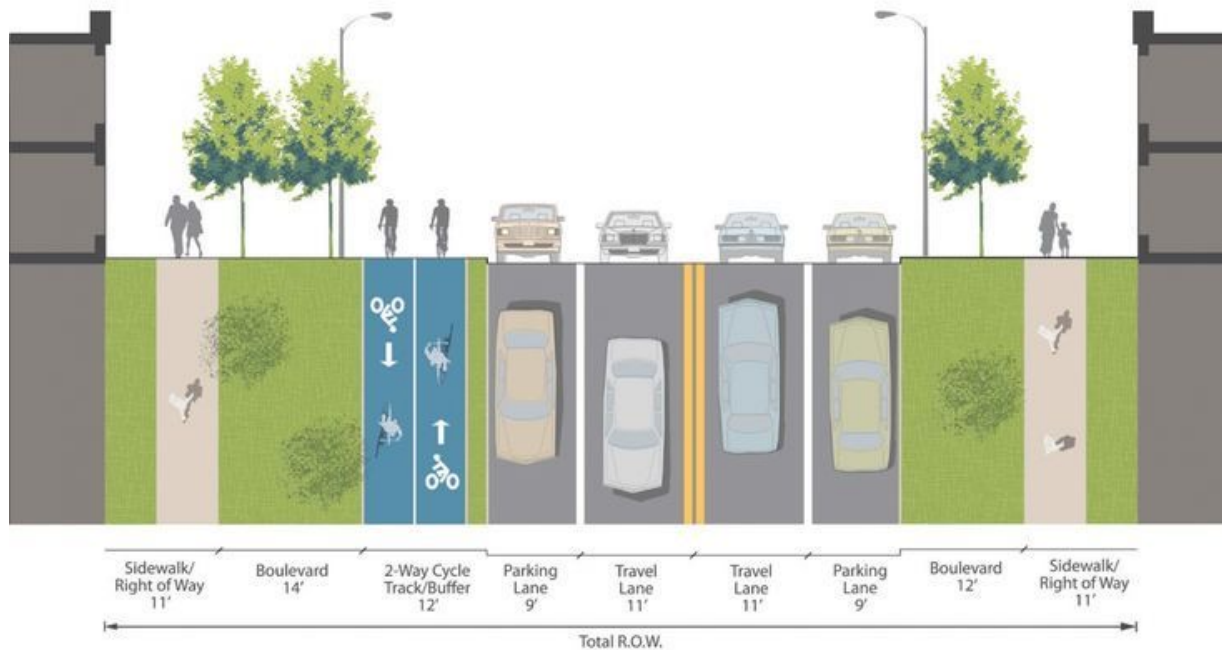
To be marked with crosswalks

Other.....

# PREPARATION OF BASIC STREET PLAN & SECTIONS OF SUBDIVISION



TYPICAL SECTIONS OF EACH SUB-DIVISION AT A GLANCE



# VOLUNTEER GROUP DIVISION SUGGESTION (GROUP OF 5)

39. 1. Intersection control. Check all that apply

*Check all that apply.*

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- Stop Signs
- Traffic Signals
- Traffic Circle
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40. 2. Signalization. Check all that apply

*Check all that apply.*

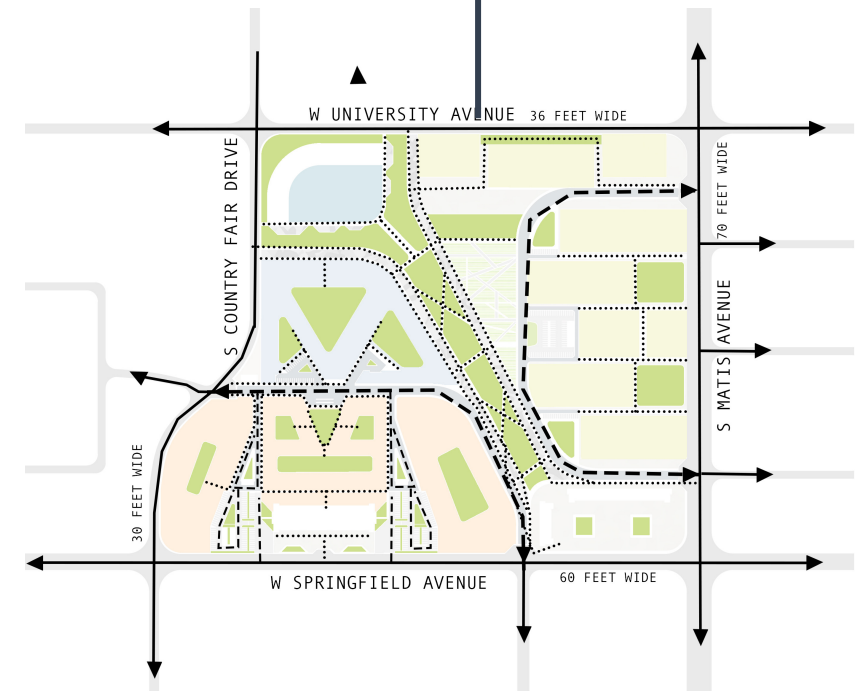
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*Mark only one oval.*

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2-3 SURVEY  
TAKERS



1-2 DEFICIENCY REPORTER

**EACH MEMBER OF THE GROUP TOURS THE SUB-DIVISIONS TOGETHER BUT  
FILLS THE QUESTIONNAIRE INDIVIDUALLY FOR AVERAGE SCORES**



# TRAINING MAUAL EXAMPLE

## CROSSWALKS



Width

Are sidewalks at least 5-feet wide to accommodate two pedestrians walking side-by-side, or a person using a mobility device such as a wheelchair?



Cross Slopes

Do driveway grades across sidewalks (i.e., cross slopes) provide a level crossing for pedestrians and those using mobility devices? Changes in cross slope within the sidewalk corridor should meet ADA requirements.



Detectable Warnings

Do sidewalks have level, detectable warnings (e.g., truncated domes) that help people with low vision and/or visual impairments determine the boundary between the sidewalk and street? Is the treatment even with the sidewalk to provide access for people using mobility devices?



Curb Ramps

Are curb ramps placed perpendicular to crosswalk intersections? Do they provide a smooth transition between the sidewalk and the street? Do other locations need curb ramps (e.g., on-street parking, loading zones, bus stops, and mid-block crossings)? Do landing pads at the top of the curb provide a level maneuvering area for persons using assistive mobility devices?



Shelters

Does the bus stop/station include a shelter, and if so, does it include an ADA-accessible wheelchair bay? Is there an ADA-compliant landing pad/level lift area to accommodate persons using assistive mobility devices? Is the shelter well-lit and located in a safe and secure location?



Information

Are route and timetable information, and wayfinding maps, displayed at each stop to ensure that passengers are correctly informed about available routes and destinations?



Amenities

Are other amenities (e.g., lighting, seating, trash receptacles, bike racks/storage) available?



Sidewalks

Since walking is often the “first and last mile” for transit trips, are there continuous, accessible, and connecting sidewalks leading to/from the bus stop?

## SAMPLE QUESTIONS RELATED TO CROSSWALKS IN THE SURVEY

1. Are there sidewalks present on both sides of the street?

- Yes
- No, only on one side of the street
- No, not on either side of the street

2. Are the sidewalks sufficient and well maintained?

- Yes
- No, some problems (check all that apply):
  - The sidewalk is not continuous (has gaps)
  - The sidewalk is misaligned
  - The sidewalk has substantial cracks or maintenance issues
  - The sidewalk surface is poorly constructed