



The Tactical Urbanism Program, [#BTactical](#), is a Broward Complete Streets Initiative effort to quickly implement multimodal safety improvements on the Broward Roadway Network.

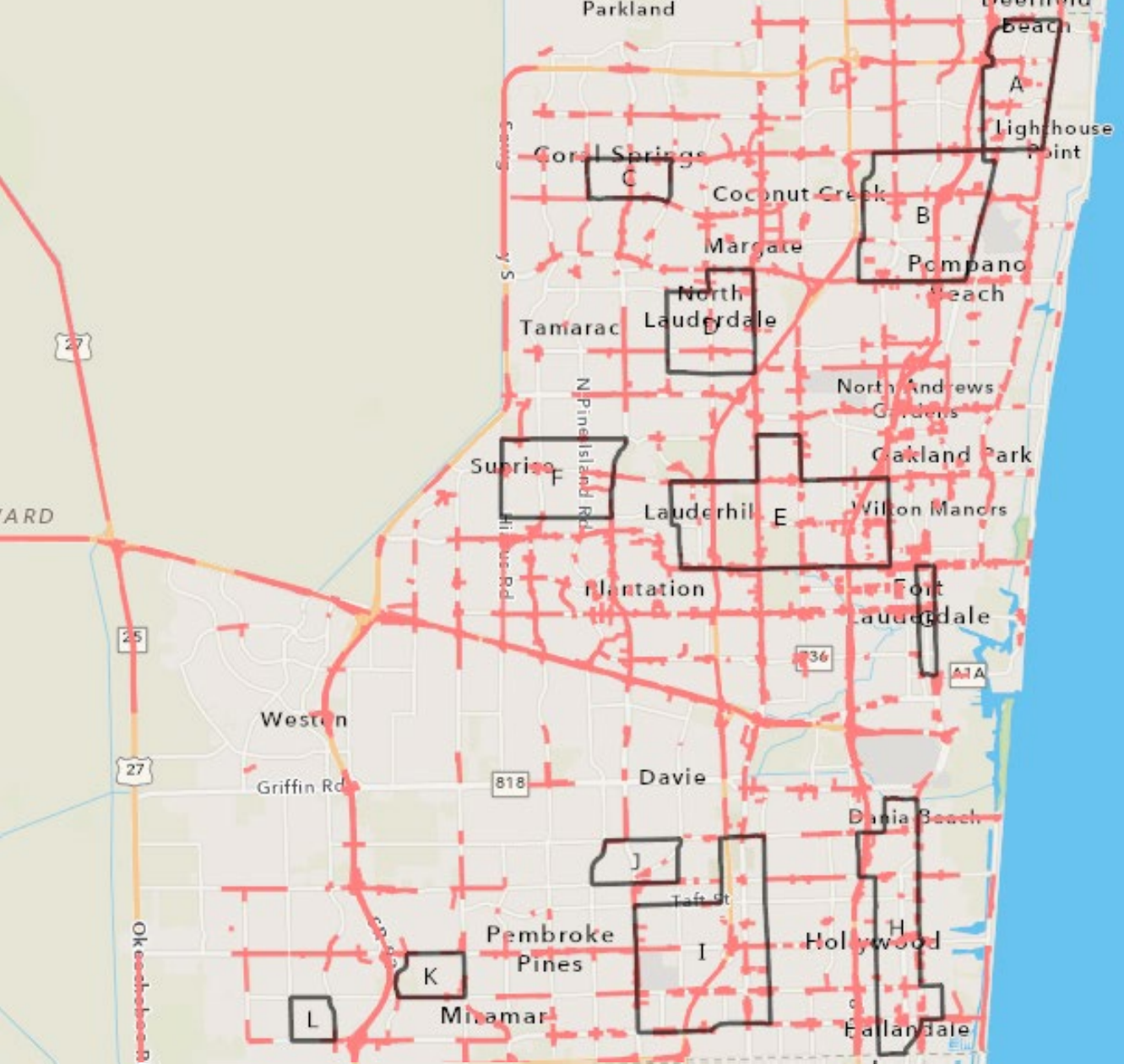
The program follows the recommendations of the set of priority action items identified in the [Bicycle & Pedestrian Safety Action Plan](#), [Walkability Action Plan\\*](#) and the [Complete Streets Master Plan](#).

<https://www.browardmpo.org/tactical-urbanism>

# **OPEN CALL FOR PROJECTS**

## **Deadline: November 15, 2021**

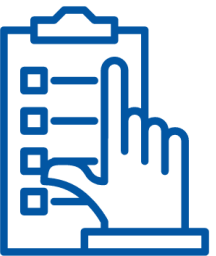
Link: <https://arcg.is/05nHza>



# Selection Criteria

The criteria to select the project to be implemented in 2022 includes:

- CSMP bundle areas,
- High Injury Network (HIN),
- Plans, studies, etc.
- Roadway jurisdiction,
- Land Use

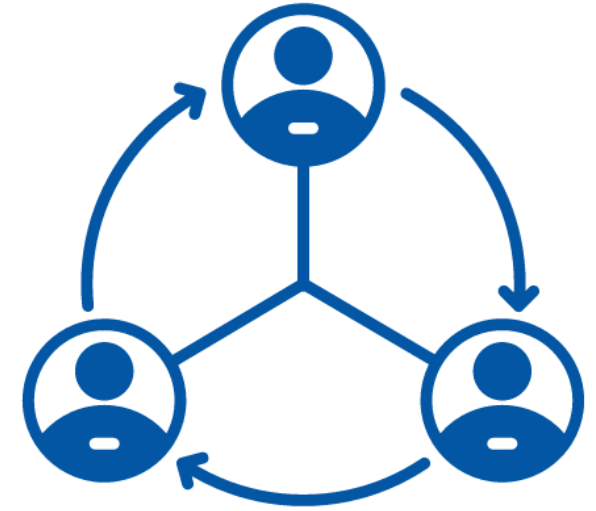


# PARTNERSHIP

The partnership with the Broward MPO is a collaborative approach and the BMPO will provide technical assistance consisting of:

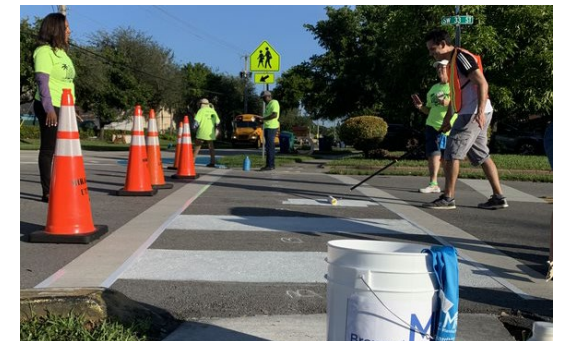
- Project evaluation,
- Stakeholder's coordination,
- Walk and talk workshop,
- Public meetings,
- Concept plan,

- Staging plan,
- Installation check-list,
- Pre-build and build of the intervention\*,
- On-site management and operation,
- Metrics and report.



# PARTNERING AGENCY

- Partnership City – Broward MPO – Broward County and other stakeholders.
- Apply for permits
- City Police Department Support– Traffic control plan & equipment
- Reviewing, approving signing & striping plan
- Provide in-kind staff time
- Assist with internal staff coordination – Other City departments (Parks & Recreation, Transportation & Planning, Public Outreach, etc.)



# WORK SCHEDULE



	2021			2022					
	October	November	December	January	February	March	April	May	June
<b>CALL FOR PROJECTS</b>	█	█							
Prioritization	█	█							
Partnership formalization		█	█						
Letter of support & MOU		█	█	█					
<b>VET CONCEPTS</b>									
Public Walk & Talk Workshop #1			█	█					
Virtual Public Workshop			█	█					
<b>*PROJECT SELECTION</b>			█	█					
<b>DESIGN DEVELOPMENT</b>									
City Design Review #1				█					
City Design Review #2				█	█				
Evaluation Plan					█				
Public Workshop #2						█	█		
<b>*FINALIZE DESIGN</b>						█	█		
<b>ACQUIRE THE MATERIALS</b>									
Materials Procurement						█	█		
Volunteer Recruitment					█	█	█		
Documentation Plan						█	█		
<b>PREP FOR THE PARTY</b>									
Implementation Plan							█	█	
<b>*PROJECT INSTALLATION</b>								█	



# Thank You!

**For more information, please contact:**

**Stephanie Garcia**  
**[garcias@browardmpo.org](mailto:garcias@browardmpo.org)**



# Introduction to Tactical Urbanism

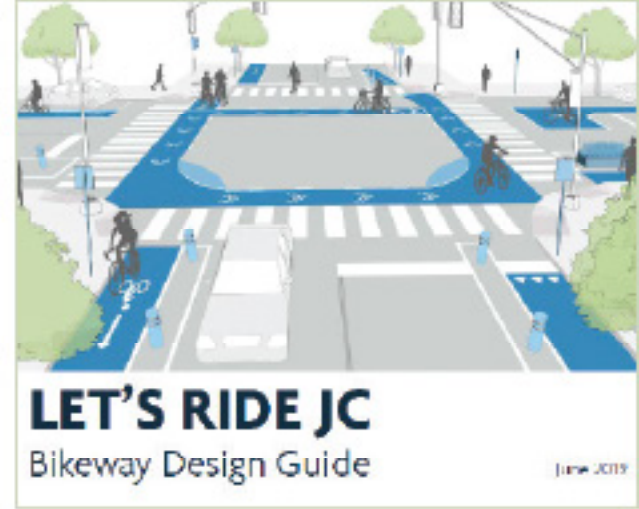
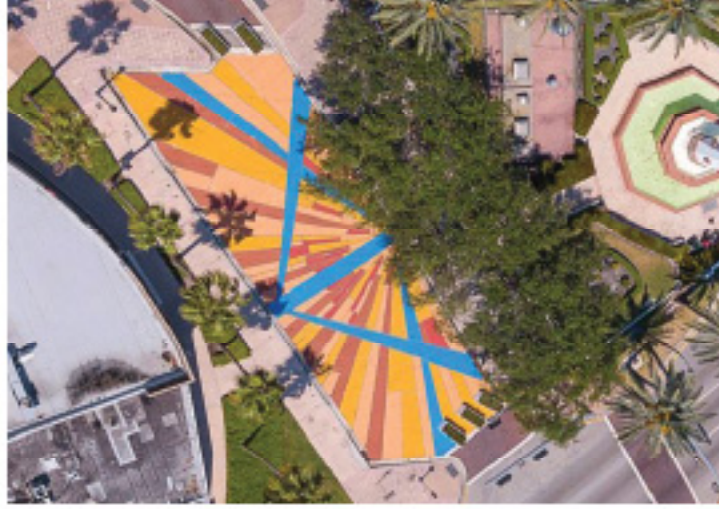
11.4.21 Broward MPO Presentation



# Better Streets, Better Places

- Transportation Planning
- Placemaking + Tactical Urbanism
- Architecture + Urban Design
- Public Outreach
- Training + Workshops
- Research + Best Practices Guides





**SAFER PLACES TO WALK**

**CURB EXTENSIONS**

Curb extensions are a low-cost, high-visibility way to improve pedestrian safety and encourage walking. They are most effective when used in conjunction with other street improvements, such as crosswalks, streetlights, and trees.

**APPLICATION GUIDANCE**

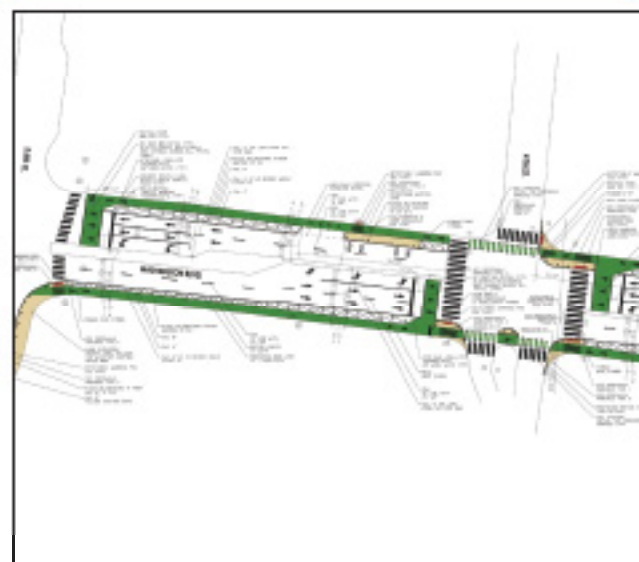
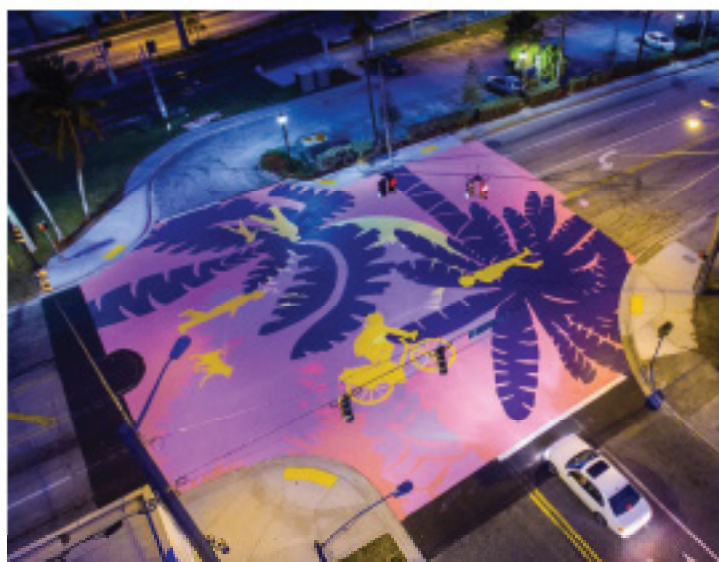
Curb extensions should be used in the following situations:

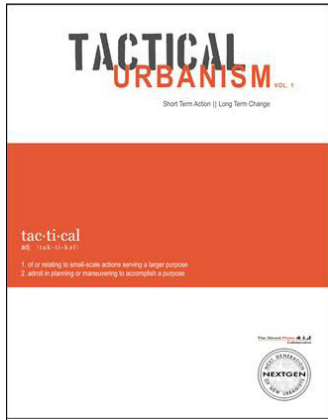
- At street corners and intersections.
- At mid-block crossings.
- At street crossings with no traffic signals.
- At street crossings with traffic signals.

**IN CONTEXT**

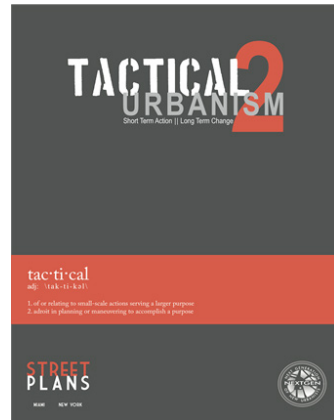
**NOTES**

- Curbs should be painted a contrasting color to the pavement.
- Curbs should be at least 4 inches high.
- Curbs should be placed at least 6 inches from the edge of the pavement.
- Curbs should be placed at least 6 inches from the edge of the sidewalk.

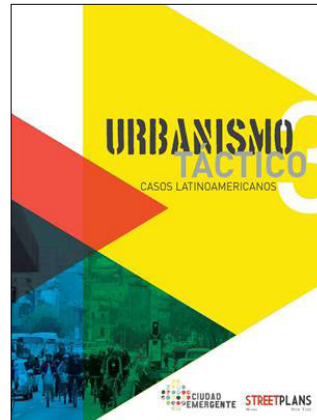




North America (2011)



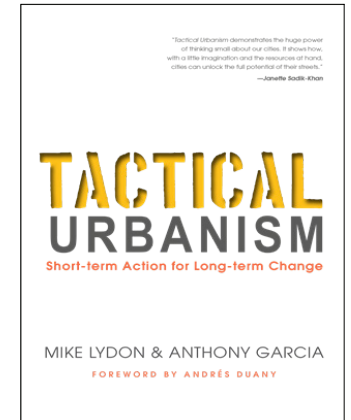
North America (2012)



South America (2013)



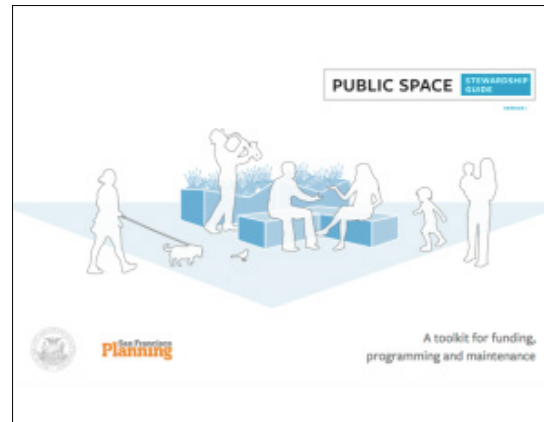
Australia / NZ (2014)



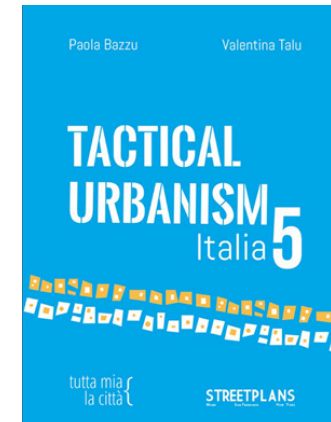
Island Press (2015)



North America (2016)



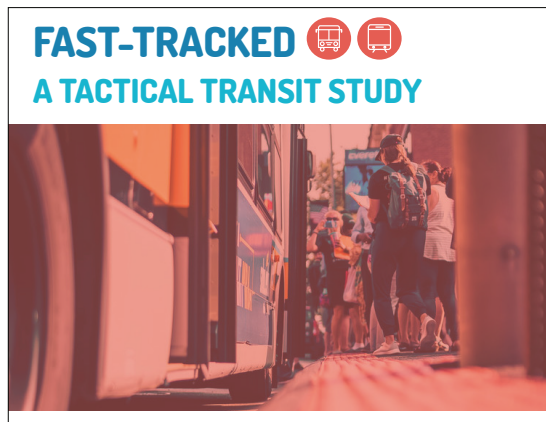
North America (2016)



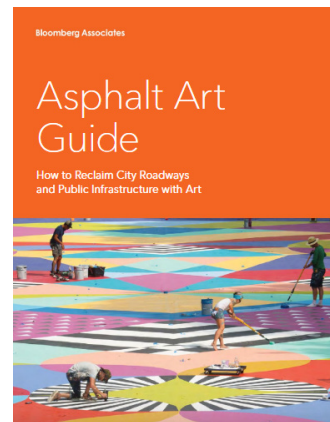
Italy (2017)



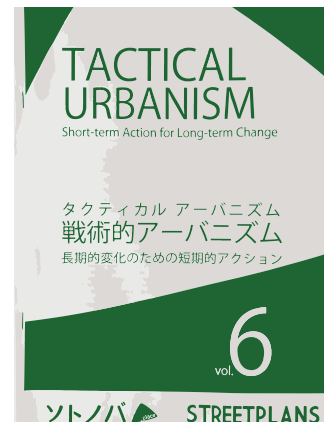
Russia (2019)



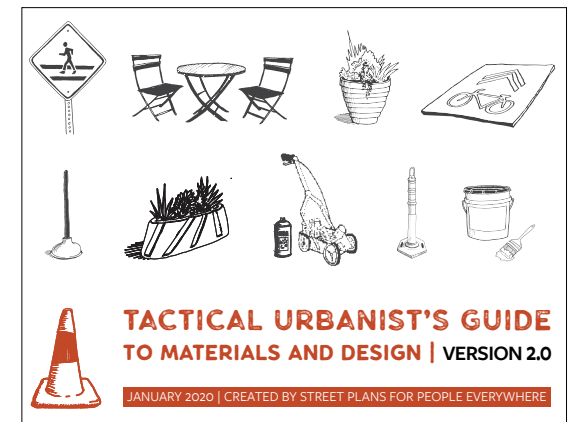
North America (2019)



North America (2019)



Japan (2019)



North America (2021) - DRAFT

# Visualizing Safe Streets



# Awesome! Now what...?



# Real Change is Hard!



# Lessons in Iterative Design



**2009** - 3-day pop-up plaza w/ lawn chairs

**2010** - Pilot plaza w/ paint and temporary materials

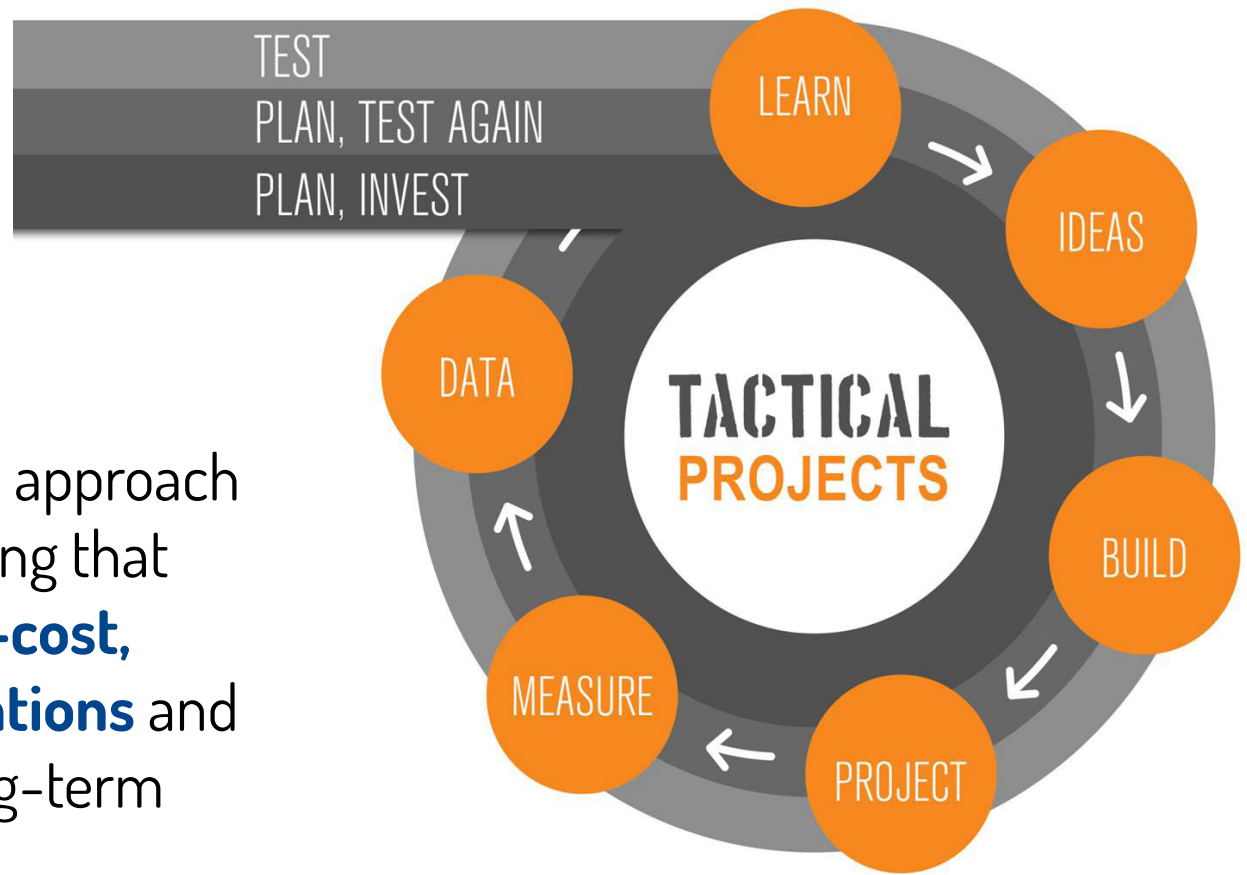
**2012** - Design development begins

**2014** - Permanent plaza construction begins

**2016** - Project complete!

# What is Tactical Urbanism?

BUILD, MEASURE, LEARN



Tactical Urbanism is an approach to neighborhood building that uses **short-term, low-cost, and scalable interventions** and policies to catalyze long-term change.



# Tactical Urbanism Is:



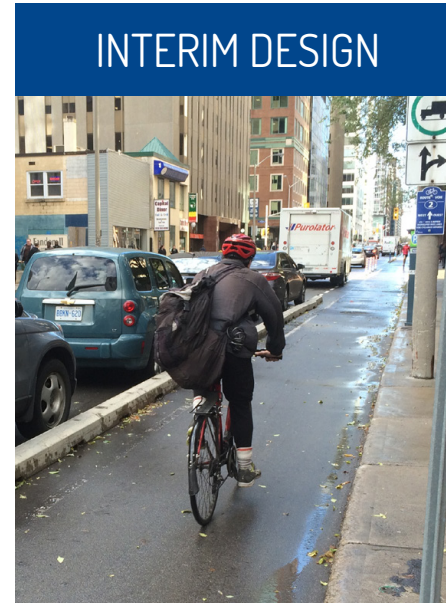
**1** Inexpensive

**2** Not permanent

**3** Often Based on Existing Plans

**4** People-driven, people-centered

# Breaking Down Project Delivery



1 day - 1 month

1 month - 1 year

1 year - 5 years

5 years - 50 years

\$

\$\$

\$\$\$

\$\$\$\$

Material Durability .....

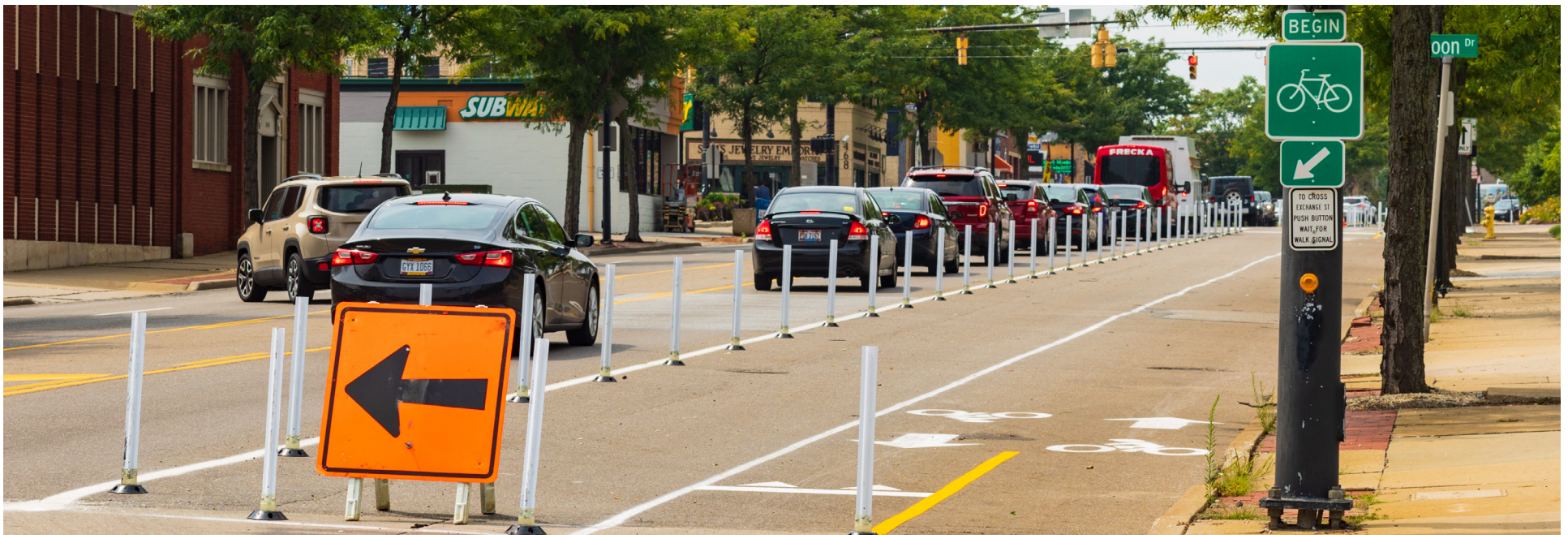
Public Input .....

Investment .....

Evaluation .....

# Why Tactical Urbanism?

- 1 Expedites delivery of public benefits at a low cost.
- 2 Temporary, iterative nature allows for evaluation and making adjustments.
- 3 Based on existing master plans, action-focused.
- 4 People-driven, people-centered.



# How does it all get done?



# Process Summary

1

## Vet Concepts



**January**

- CAC meetings, 3 TAC meetings
- 3 public workshops
- stakeholder engagement
- brand & social
- data collection and analysis

2

## Design Development



**Feb-March**

- finalize site & event plans
- acquire permit
- finalize budgets
- execute advertising strategy
- develop evaluation and event plans

3

## Acquire the Materials



**April**

- secure storage and staging locations
- order materials
- execute "before" data collection
- finalize detailed implementation timeline
- promote event

4

## Prep for the Party



**May**

- volunteer prep meeting
- finalize event activities
- meet with vendors on-site, review site plans
- promote event

# 1. Public Engagement

- 1 Action-oriented workshops
- 2 Frequent outreach (door to door, intercept surveys, public life surveys, existing data collection, demonstration project etc).
- 3 Use all of the above to build awareness and sign up volunteers!
- 4 The project build is your largest platform for public engagement.



# Sketching Ideas with the Public







# 3. Build Plan(s)

1 Site Plan

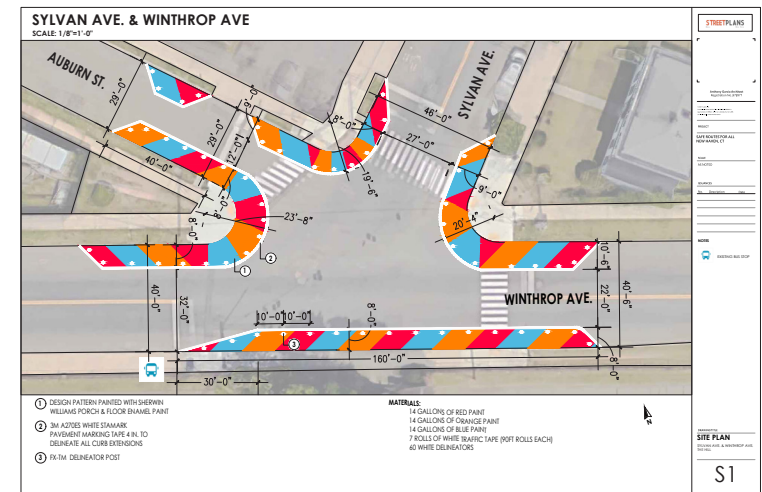
2 Materials Staging Plan

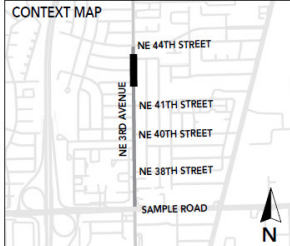
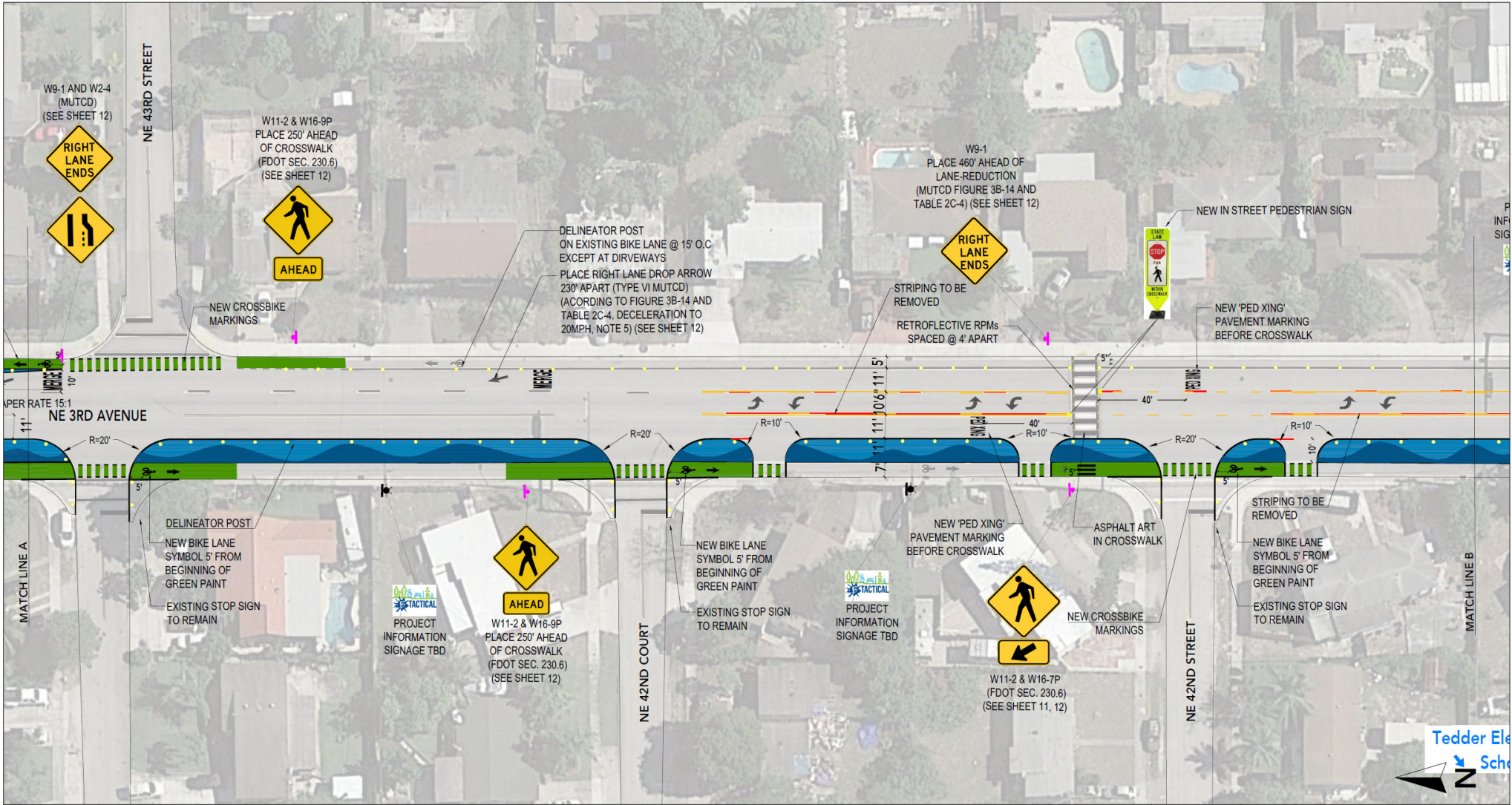
3 Build Schedule

4 Installation Plan

5 Volunteer Management Plan

5 Project Clean Up Plan





**STRIPING LEGEND**

BWL	BROKEN WHITE LINE
SWL	SOLID WHITE LINE
DWL	DIOTTED WHITE LINE
DYL	DIOTTED YELLOW LINE
DSYL	DOUBLE SOLID YELLOW LINE
SYL	SOLID YELLOW LINE
---	EXISTING STRIPING
---	PROPOSED STRIPING
█	PEDESTRIAN AREA/ CURB EXTENSION/ART
⦿	EXISTING TRAFFIC LIGHT
⦿	EXISTING SIGN POST OR LIGHT POLE
⦿	NEW PROPOSED SIGN POST
⦿	EXISTING LIGHT POLE

PLAN PREPARED BY:		DRAWING TITLE	
Anthony Garcia Architect Registration No. 97977		SITE PLAN PROPOSED	
PROJECT		PROJECT NUMBER	
NE 3RD AVENUE, TEDDER, DEERFIELD BEACH, FL		AT 08/27/21	
DESIGNED BY	DATE	SCALE	CHECKED BY
SP/AG	07/30/21	1:20	
DRAWN BY	DATE	PROJECT NUMBER	
AT	08/27/21		
FIELD BOOK REFERENCE			
NO.	BY	APPR. DATE	PLAN NO.

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# 4. Evaluation Plan

- 1 Measure What Matters
- 2 Qualitative/Quantitative
- 3 Measure "Before" / "After"
- 4 Allocate Enough Resources
- 5 Visualize Data Summary
- 6 Ongoing Measurement



# 5. Maintenance / Removal Plan

- 1 Every project is unique.
- 2 Ensure maintenance resources/needs in place before moving forward with scale/scope of project.
- 3 Prepare a removal plan if/when necessary.



Oh, And Don't Forget to have fun!



# Project Ideas + Selection



# City Commitment

1

Expect to be heavily involved. Projects require considerable staff time (including from public works)

2

Do you have political and public support?

3

Make sure Public Works / city engineer is involved and understands the methodology. This is not a typical process!

4

City will need to provide review, traffic control, marketing, coordination of public meetings, and more!



# Project Type Selection

1 Consider small scale projects (eg. intersection)

2 Btactical to provide \$30,000 for materials. This should help 'right size' project scale and limits.

3 Where should project ideas originate?

- Demonstration project at outset of a planning process
- Test concepts from existing plan
- Implement projects already outlined in a plan

This chart illustrates the progression of an iterative approach to project delivery. Though not all projects need to follow this exact model, it can be helpful to see how each project type builds towards the next, using incremental steps to deliver a capital project intended to create long-term change.

**Tactical Urbanism**

Project Type (time interval · relative cost)	DEMONSTRATION (1 day · 1 month · \$)	PILOT (1 month- 1+ year · \$\$)	INTERIM DESIGN (1 year · 5+ years · \$\$\$)	LONG-TERM/CAPITAL (20 years · 50+ years · \$\$\$\$)
<b>Project Leaders</b>	Anyone (city, non-profit, business owner, students etc.)	Government / organizational leadership + involvement required	Government / organizational leadership + involvement required	Government / organizational leadership + involvement required
<b>Permission Status</b>	Sanctioned or unsanctioned	Sanctioned	Sanctioned	Sanctioned
<b>Materials + Maintenance</b>	Very low-cost, typically low-durability. May be borrowed, easily made, or purchased; no maintenance required	Relatively low-cost, but semi-durable materials to maximize design flexibility while minimizing maintenance needs	Low and moderate cost materials, designed to balance design flexibility, performance outcomes, and maintenance	High-cost, permanent materials that cannot be adjusted easily; maintenance needs vary tremendously
<b>Public Involvement</b>	Optional before project implementation, Recommended during brief project lifespan	Required, frequent before implementation and frequent during evaluation period	Recommended, frequent before implementation, required during initial evaluation period, optional thereafter	Required before implementation, recommended during implementation and initial evaluation period, optional thereafter
<b>Flexibility of Design</b>	High: organizers expect project to be adjusted and removed within a short timeline, typically one week or weekend	High: proponents expect project to be adjusted; it may be removed if it does not meet goals upon initial evaluation	Moderate: organizers expect project to be adjusted, but it is intended to remain in place until capital upgrades are possible	Low: project is considered a permanent capital upgrade that is unlikely to be adjusted significantly once installed
<b>Data Collection / Evaluation</b>	Qualitative: optional Quantitative: optional	Qualitative: required Quantitative: required	Qualitative: recommended Quantitative: required	Qualitative: optional Quantitative: recommended



# Criteria to consider



## CONNECTIVITY

How well does the project enable pedestrian and non-motorized connectivity?



## VISIBILITY

How well does the project create visual recognition from passersby?



## SAFETY

How much does the project improve pedestrian safety?



## RETAIL POTENTIAL

How well does the project support existing retail, or attract new tenants?



## COST

How much of an investment will the project be in labor, design, installation?



## MATERIALS

What kind of materials will meet the project duration/durability goals?



## COMPLEXITY OF INSTALL

How complex are the logistics to installation?



## PUBLIC ENTHUSIASM

Does the project relate to a master plan, or is there public support?



## PARTNERSHIP

Have possible partners been identified?



## STEWARDSHIP

How complex is the maintenance of the project? Is there a steward?

# Bike Intersection Improvements



# Bike Intersection Improvements



# Crosswalks



# Intersection Mural



# Street Mural



# Intersection Repair



# Sidewalk Extensions





# Sidewalk Extensions



# Hybrid



# Hybrid



# Pedestrian Refuge



# Bus Stop Enhancements



**Putting it all together!**



**Delineator Posts**



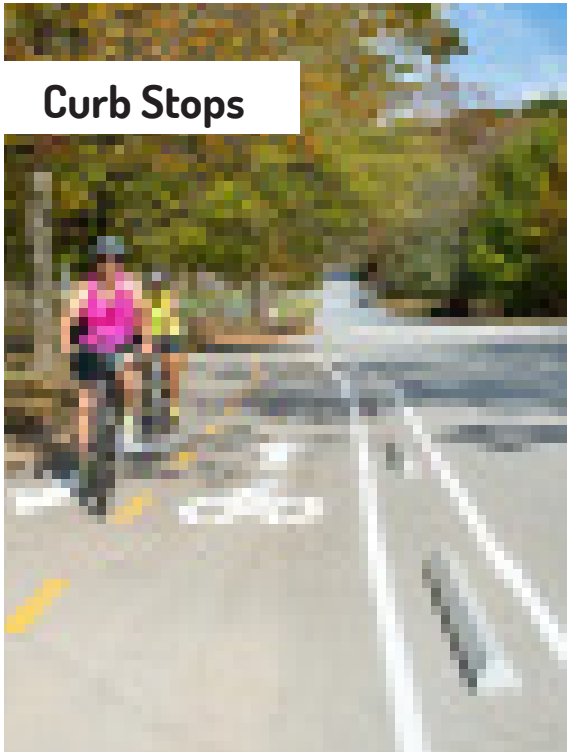
**Low-Profile Delineators**



**Plastic Planters**



**Curb Stops**



**Durable Paint**



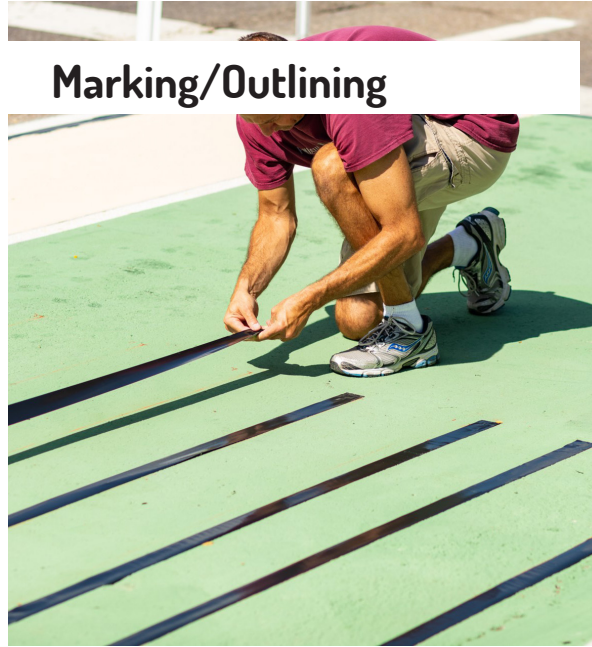
**Metal Planters**



**Spraying**



**Marking/Outlining**



**Edging**



**Chalk Lining/Measuring**



**Striping**



**Gluing**





**Stenciling**



**Staging/Planting**



**Outlining**



**Marking**



**Painting**



# Thanks!

[tony@streetplans.org](mailto:tony@streetplans.org)

