



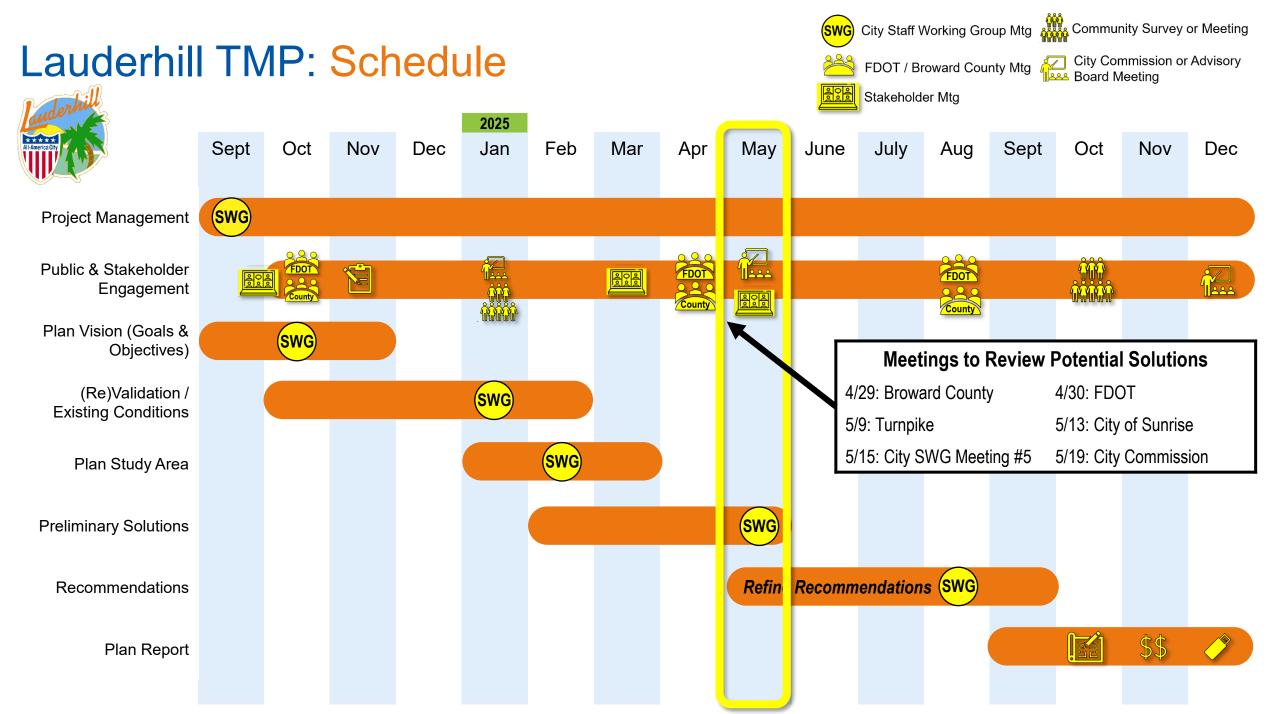


Agenda

- 1. Lauderhill TMP: Schedule
- 2. Review of Potential Solutions
- 3. Next Steps

Meeting Goals:

✓ Select Plan Study Area roadways



Lauderhill TMP: Plan Study Area

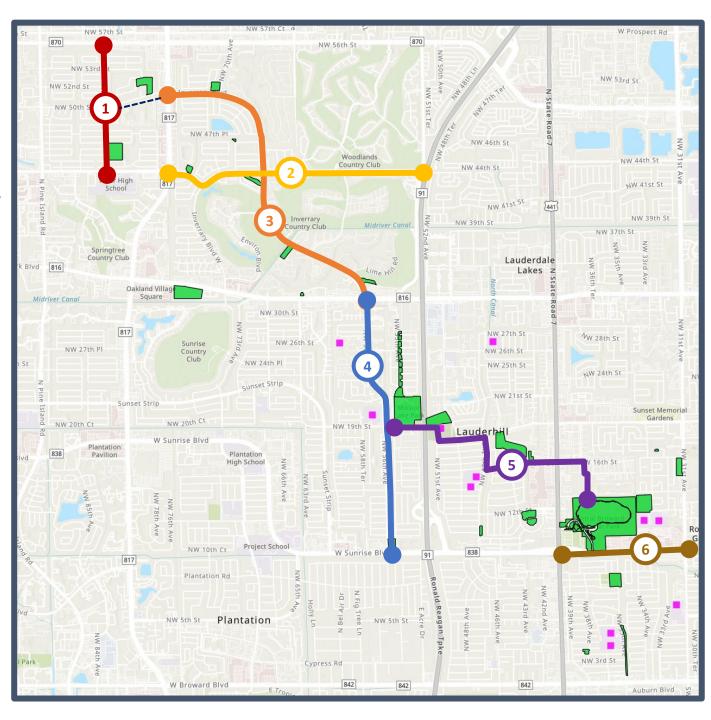
The Plan Study Area are the six roadways, primarily city-owned, that will have transportation projects identified in the TMP (including concepts, scopes-of-work, and planning-level cost estimates). The transportation projects will improve roadway safety and citywide connectivity, consistent with best practices and the TMP Vision.

The Plan Study Area was identified based on data review and community engagement feedback, as well as the opportunity for improvements.

Numerous City parks, public schools, neighborhoods, and essential destinations will be connected, as well as BCT Routes 55, 2, 81, 19, and 36 and all Community Shuttle Routes

Plan Study Area Roadway

- NW 82 Av: Commercial Blvd to NW 44 St
- NW 44 St: University Dr to Rock Island Rd
- Inverrary Blvd: University Dr to Oakland Park Blvd
- NW 56 Av: Oakland Park Blvd to Sunrise Blvd
- NW 19 St to County Regional Park
- Sunrise Blvd: US 441 to NW 31 Av



Lauderhill TMP: Solutions Examples







Peanut Roundabout



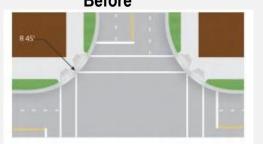
Lane Repurposing
Quick Build



Repurposed to Protected Bike Lane



Narrow Side Street Curb Radii Before Afr



RIS-

Tighter corner radii reduce crossing distance and slow turning traffic (Credit: Michele Weisbart)

Quick build curb extension



Hardened Centerline
Before
After

Lauderhill TMP: Solutions Examples



Lauderhill TMP: Boundary Intersections

Recommendations





These recommendations apply to intersections where a corridor terminates or lies outside the jurisdiction of Lauderhill. They are general in nature and can be implemented in coordination with other jurisdictional partners to enhance connectivity into and out of Lauderhill, as needed. The intersections are University Dr, Rock Island Rd, Oakland Park Blvd, Sunrise Blvd, and US-441

Walking Improvements

- Restripe or stripe crosswalks and add at all legs of the intersection if possible
- Add leading pedestrian intervals
- Upgrade to directional curb ramps and tactical striping where missing
- Construct median refuge islands with median noses extended beyond the crosswalk

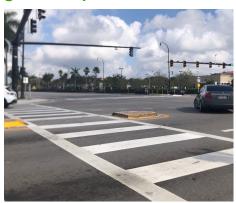
Biking Improvements

- Bike boxes or protected intersections can be added to help permit left-turn movements and increase comfort of people biking
- Add conflict paint

Addressing Turning Speeds

- Implement protected left turn signal phase
- Harden the centerline to guide people turning
- Add curb extensions / sharpen turn radii as space permits

High Visibility Crosswalk with Refuge



Curb Extension



Median Island



Bike Boxes



NW 82 Av: Recommendations

Improve comfort and safety of neighborhood roadway / route to school

Existing Conditions

Bus Stops

Speed Hump





- Construct Shared Use
 Path On East Side
 with Raised Side
 Street Crossings
- Speed Humps
- Raised Crosswalk
 with Rectangular
 Rapid Flashing Beach
 (RRFB)

- Roundabout
 - All-way Stop Improvements
 - Add conflict stripping, curb extensions, and rebuild ramps to meet current design standards
- Evaluate installing a signal
 - Facilitates left turns
 - Provides designated crossings; may also include median refuge island
- Intersection Improvements

• Shown on right

NW 82 Av at NW 44 St



Vehicle Improvements

- Implement protected left turn signal phase
- Add curb extensions / tighten curb radii as space permits

Walking Improvements

- Restripe or stripe crosswalks at all legs of the intersection
- Add leading pedestrian intervals
- Upgrade to directional curb ramps and tactical striping where missing
- Construct median refuge islands

Biking Improvements

- Add bend out and wider crosswalk on the eastern leg at the shared use path crossing as space permits
- Add warnings for people walking and biking
- Add conflict paint

Corridor Wide Strategies

Narrow Side Street Curb Radii with Curb Extensions

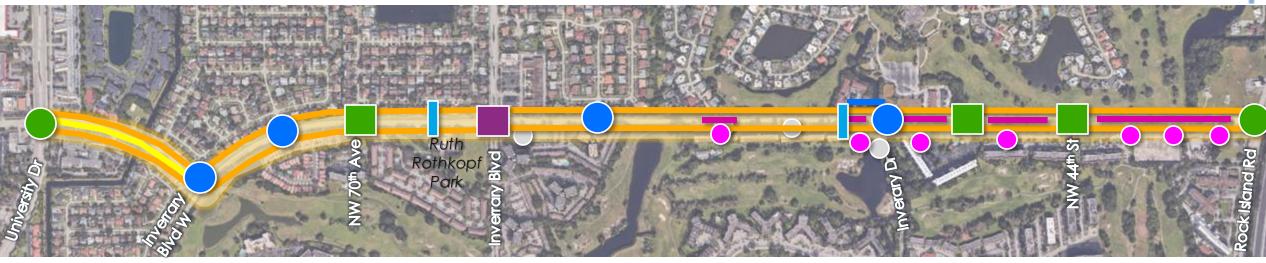
- Slows drivers
- Limits turning conflicts

NW 44 St: Recommendations

Redesign NW 44 St to reduce vehicle speeds to 25 MPH









- Intersection Improvements
 - Bike Protected Intersection
 - Median refuge islands
 - Leading pedestrian intervals
- Raised Intersection
 - Can include RRFBs
- Boundary Intersection Improvements
 - Alternative options on detailed slide

- Lane Repurposing
 - Reduce from four to two-lanes
 - See detailed slide
- Protected or Raised Bike Path
- Raised Crosswalk with RRFB
- Center Lane Median
 - Reduces left-turn density
- Onvert to Right in / Right out
- New Sidewalk

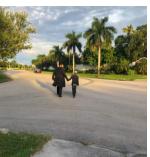
Corridor Wide Strategies

Narrow Side Street Curb Radii with Curb Extensions

Paint Conflict Markings at Intersections and Driveways

- Limits turning conflicts
- Alerts people biking and driving to potential for conflict







NW 44 St: Lane Repurposing of 4-Lane Segment University Dr to Inverrary Blvd W

Recommendations

Redesign to better match context and set design speed to 25 MPH

14,000 AADT and limited crossings or driveways indicates excess capacity

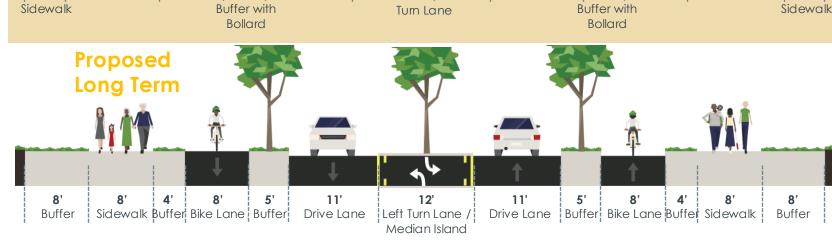
Near term condition:

 Quick build to allow users to experience changes and tweak design

Long term condition

- Provide high quality bike facilities and landscape opportunities
- Ensure fire / emergency access
- Combine with traffic calming treatments to eliminate turn lane and better facilitate turns like roundabouts, raised intersections, and raised crossings





Inverrary Blvd: Recommendations

Redesign Inverrary Blvd to reduce vehicle speeds to 25 MPH

Corridor Wide Strategies

Paint Conflict Markings at Intersections and Driveways

- Limits turning conflicts
- Alerts people biking and driving to potential for conflict

Narrow Side Street Curb Radii with Curb Extensions

- Slows drivers
- Limits turning conflicts

Evaluate Lighting

Address nighttime visibility and increase comfort people walking and biking







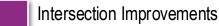
Lane Repurposing

- Reduce from four to two-lanes
- Construct protected or raised bike lanes
- Construct wider sidewalks
- · See detailed slide
- Raised Crosswalk with RRFB or Signal
- Center Lane Median
 - Reduces left-turn density
- Convert to Right in / Right out
- Eliminate Bus Stop



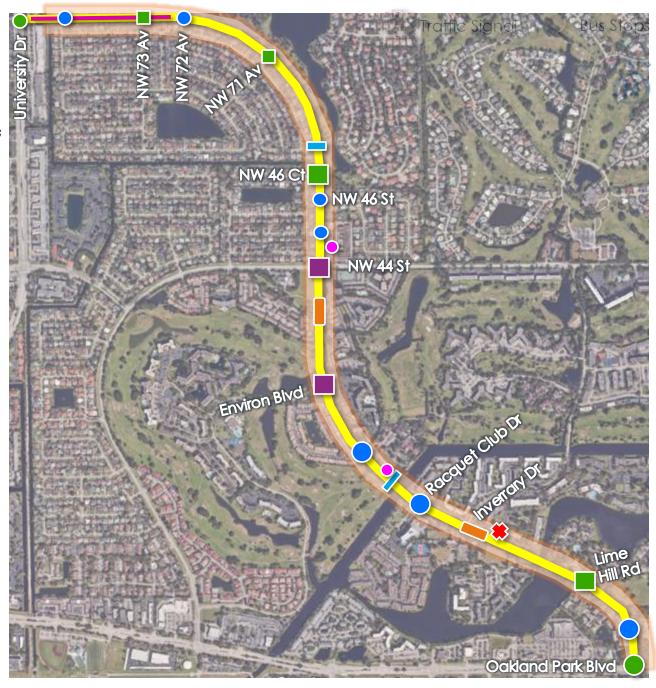
Peanut Roundabout

- Elongated roundabout
- Improves safety
- Reduces speeds
- Includes raised crosswalks



- Bike Protected Intersection
- Median refuge islands
- Leading pedestrian intervals
- Raised Intersection
 - Can include RRFBs or Pedestrian Signal
- Boundary Intersection Improvements

Alternative options on detailed slide



Inverrary Blvd: Lane Repurposing

Recommendations

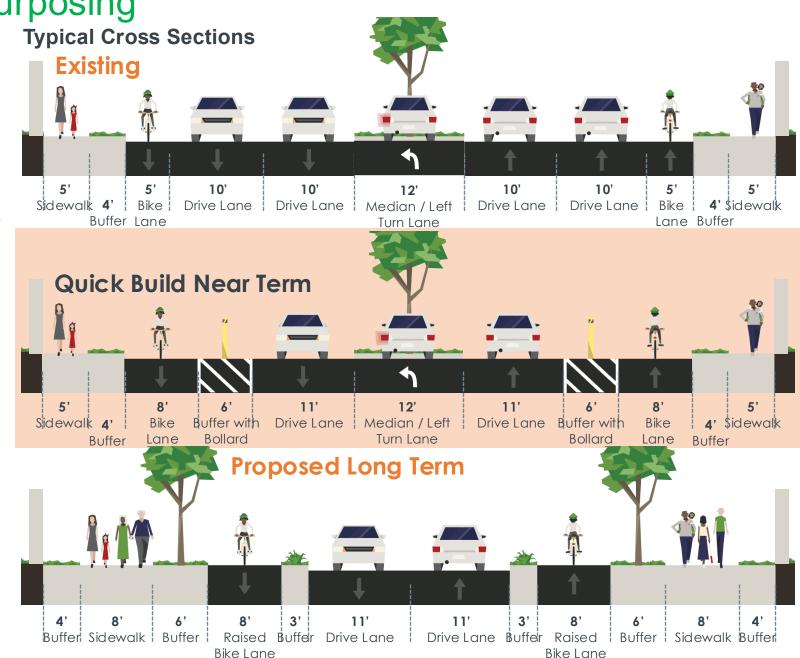
Redesign Inverrary Blvd to reduce vehicle speeds to 25 MPH

Near term condition:

Quick build to allow users to experience changes and tweak design

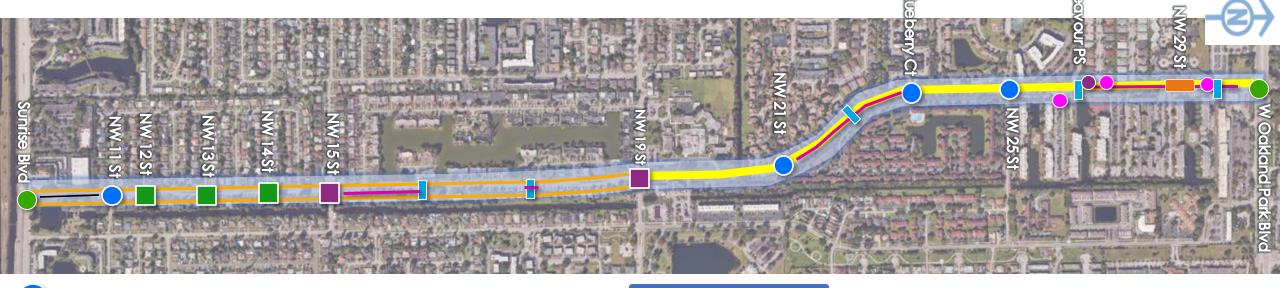
Long term condition

- Provide space to separate sidewalk from barrier wall
- Provide high quality bike facilities and landscape opportunities
- Ensure fire / emergency access
- Combine with traffic calming treatments to eliminate turn lane and better facilitate turns like roundabouts, raised intersections, and raised crossings



NW 56 Av: Recommendations

Redesign NW 56 St to reduce vehicle speeds to 25 MPH



- Roundabout
 - 3-Lane segment may require Lane Repurposing
- Peanut Roundabout
- Intersection Improvements
 - Curb extensions
 - Bike boxes
 - Add median noses and hardened centerlines
- Raised Intersection
 - Can include RRFBs
- Boundary Intersection Improvements
 - Alternative options on detailed slide

- Lane Repurposing
 - Reduce from three to two-lanes
 - See detailed slide
- Protected or Raised Bike Path
- Raised Crosswalk with RRFB
- Center Lane Median
- Convert to Right in / Right out
- Hardened Centerline
- Move Bus stop
 - Utilize right turn lane for Endeavor PS as BCT Bus pull out

Corridor Wide Strategies

Narrow Side Street Curb Radii with Curb Extensions

Paint Conflict Markings at Intersections and Driveways

- Limits turning conflicts
- Alerts people biking and driving to potential for conflict



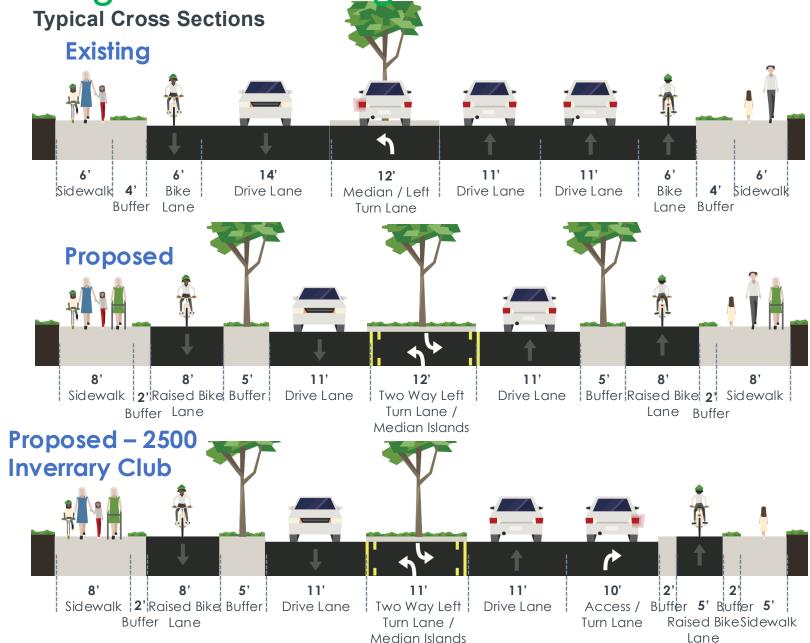




NW 56 Av: Lane Repurposing of 3-Lane Segment North of NW 29 St to NW 19 St

Recommendations

- No Quick Build Option
- Lane Repurposing needed to provide high quality bike facilities with landscaped buffers
- Ensure fire / emergency access so no consistent median; median islands may be feasible
- Combine with traffic calming treatments to eliminate turn lane and better facilitate turns like roundabouts, raised intersections, and raised crossings
- Right turn lane required at gate for 2500 Inverrary Club



NW 19 St to Central Broward Park: Recommendations

Create a seamless pedestrian / bicycle route from west of the Turnpike to Central Broward Park

Intersection Improvements

Can include RRFBs

Boundary Intersection

Improvements

slide

slide

Raised Intersection

Alternative options on detailed

Alternative options on detailed



- Keeps people biking out of the way of transit
- Protected or Raised Bike Path
- Add Sharrows & Wayfinding
- Onvert to Right in / Right out
- X Remove Access Point
- Improvements to Pedestrian Bridge
 - Alternative options on detailed slide

Peanut Roundabout Corridor Wide Strategies

Narrow Side Street Curb Radii with Curb Extensions Paint Conflict Markings at Intersections and Driveways

- Limits turning conflicts
- Alerts people biking and driving to potential for conflict

Rebuild Roads

Rebuild roads to urban standard that include curb and gutters





NW 19 St to Central Broward Park: Recommendations

Pedestrian Bridge Recommendations

Integrate Art on Soundwall and Bridge

Both the bridge structure itself and the soundwall leading up to it are opportunities to both engage the public and create local art.



Novel Lighting

Consider novel lighting solutions at the bridge that increases regional pride and make it a place and feels safe to walk at night.



Rebuilding Opportunity

The current configuration of the bridge is not wide enough to meet current shared-use path standards. In considering new configurations the following can help guide new designs:

- · Explore straightening out entrance ramps
- Wide enough for people biking to comfortably pass people walking
- Turn radii comfortable for cargo bikes and large strollers to navigate
- Provides shading, ample lighting, and does not block sight lines
- · Potential direct staircase in addition to a rolling option to cross













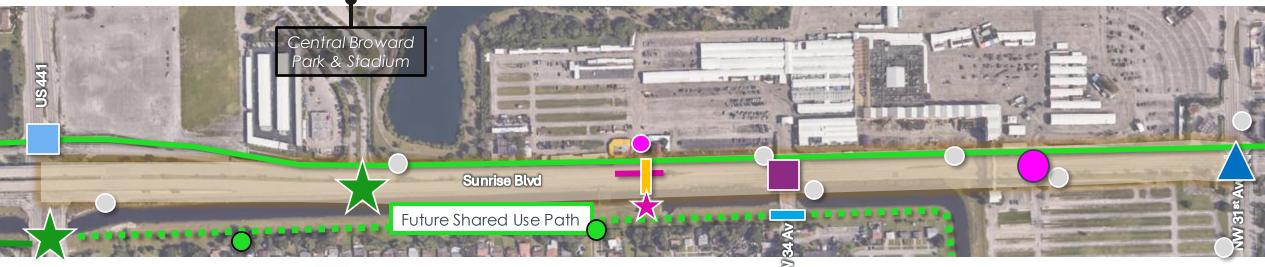
Views of western and eastern access to the bridge, plus configuration



Sunrise Blvd: Recommendations

Redesign roadway to move people, not just cars





Evaluate installing a signal

- Driven by future potential development
- Include a protected intersection, median islands, and dedicated phases for people walking and biking

Intersection Improvements

- Add protected intersection with refuge islands
- Ensure future multi-use path connects to and crosses intersection

US 441

- Add raised crossings at slip lanes
- Evaluate pedestrian crossing phases to ensure comfortable walking pace for people over 65 or who use mobility devices
- Consider the addition of refuge islands

Signalized Midblock Crossing

 Including median island and curb extensions to shorten crossing distance



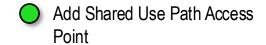
Bridge Improvements

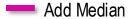
- Consider improvements that limit obstructions and prevent machine tampering
- Ensure future shared-use path connects to bridge



New Pedestrian Bridge

 Provides alternative northsouth and east-west path to US 441 for people walking and biking





- Onvert to Right in / Right out
- Construct Shared Use Path
- New Raised Crosswalk with RRFB



BSAP Project (by others)

 Intersection at NW 31 Av is included in the BSAP project

Corridor Wide Strategies

Paint Conflict Markings and Raise Pathways at Intersections and Driveways

- Limits turning conflicts
- Alerts people biking and driving to potential for conflict

Narrow Side Street Curb Radii with Curb Extensions

- Slows drivers
- Limits turning conflicts



