

# **Smith Road Improvements Apache Blvd to Rio Salado Parkway**

**Sustainability and Economic Vitality Council Committee**

September 18, 2023





- QUALITY OF LIFE

- 3.26: 20-Minute City

- Achieve percentage of dwellings where residents can utilize the multimodal transportation system (walk, bicycle, or use public transit) to meet all basic daily, non-work needs within the 20-minute city criteria

# Purpose



- To promote pedestrian and bicycle comfort/accessibility, provide on-street parking, and maintain business access



# Background



- Smith Innovation Hub Infrastructure Master Plan approved March 2022



Recommended improvements on Smith from Rio Salado to University (sidewalks, lighting, bike lanes, landscape)



Subsequently, improvements from the master Plan were extended south to Apache Boulevard

# Streetscape Summary



## Smith Road South 1

- Separated Bike lanes with landscaping
- Removal of on-street parking
- Street lighting
- Landscaping
- Green Stormwater Infrastructure
- Attached sidewalk
- Removal of right turn lane at University
- Entry feature at University

## Smith Road North

- Bike lanes
- Removal of on-street parking
- Street lighting
- Landscaping
- Green Stormwater Infrastructure
- Attached sidewalk
- Maintains two-way left turn lane

## Smith Road South 2

- Sharrows
- On-street parking
- Street lighting
- Landscaping
- Green Stormwater Infrastructure
- Attached/detached sidewalk
- Entry feature at Apache
- Speed table at 10<sup>th</sup> St

Apache Blvd

University Dr

Rio Salado Pkwy

# Smith Road – Neighborhood Comments



- January 13, 2023 and March 30, 2023

Meetings were held with Alegre and Escalante neighbors to review their concerns. Cul de Sac representatives were also in attendance.

The neighborhood leaders presented their top priorities for the South Segment:

- Trees
- Bike Safety
- Buses
- Trash cans
- Parking



# Smith Road – Neighborhood Comments



- Discussions with Cul de Sac included requests for:
  - Protected bike lanes where possible
  - Shade for bicyclists

City plans to add “tuff curb” with tubular markers to bike lane buffers:

- North segment: 2700’ total
- South segment: 700’ total



# Green Stormwater Infrastructure Strategies



- Collect rain & storm water at landscape areas
  - Supplemented with underground drip system
- Use Aqua Rock pavers near trees, at Orbit stops
- Structural Backfill for paver subbase in tree areas to promote healthy root growth
- Use root barrier to protect the nearby utilities
- Provide canopy shade and cooling near sidewalks & bike lanes



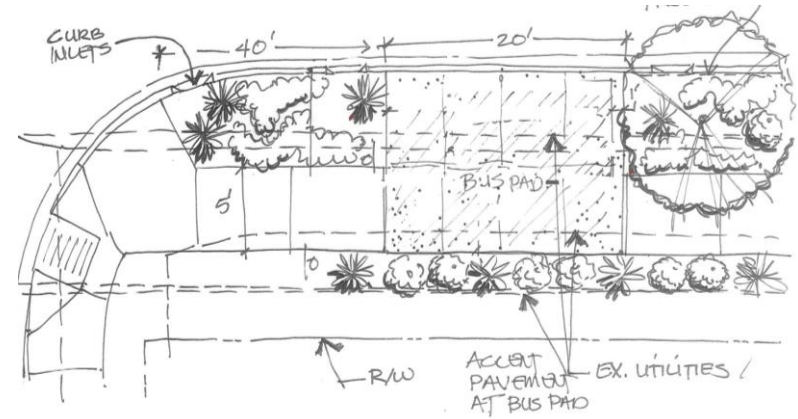


# Landscape Concepts



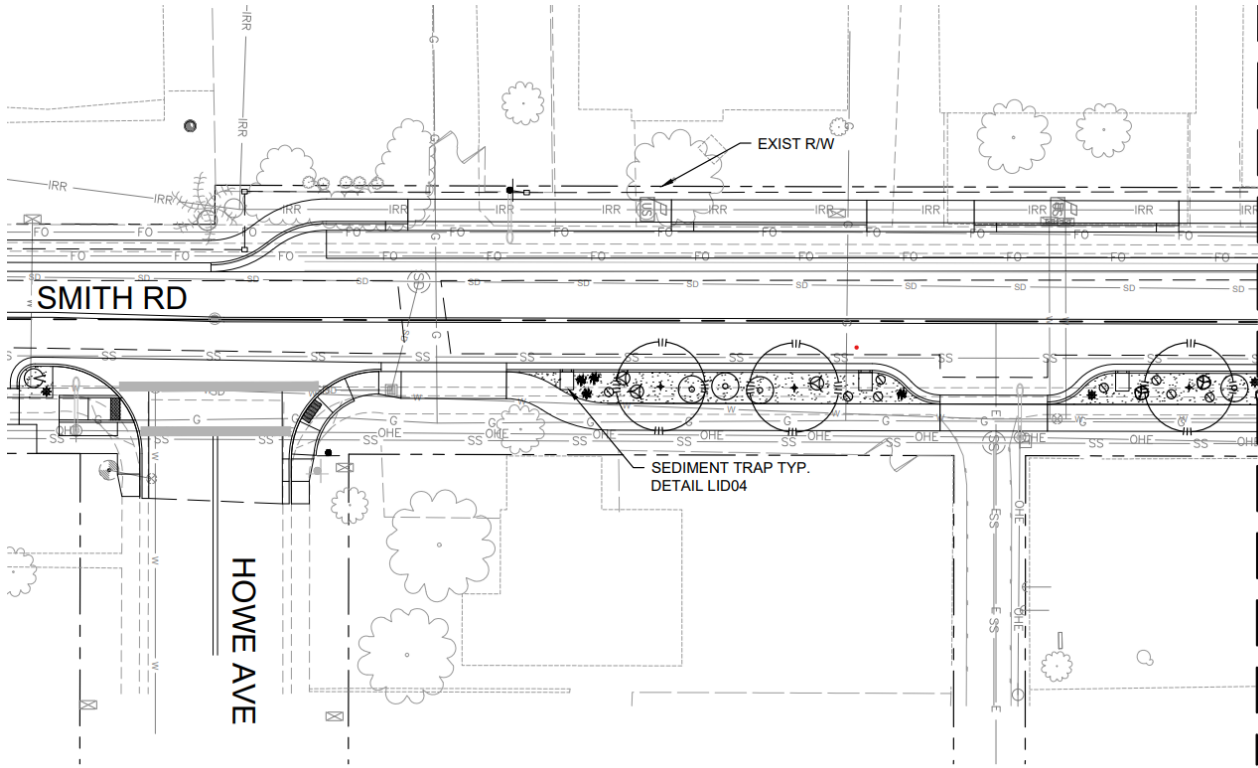
Bus stop locations along Smith are enhanced with trees and low landscape, permeable paving and transit shelters

ORBIT Bus Pad – northbound Smith Rd far side stop at Don Carlos

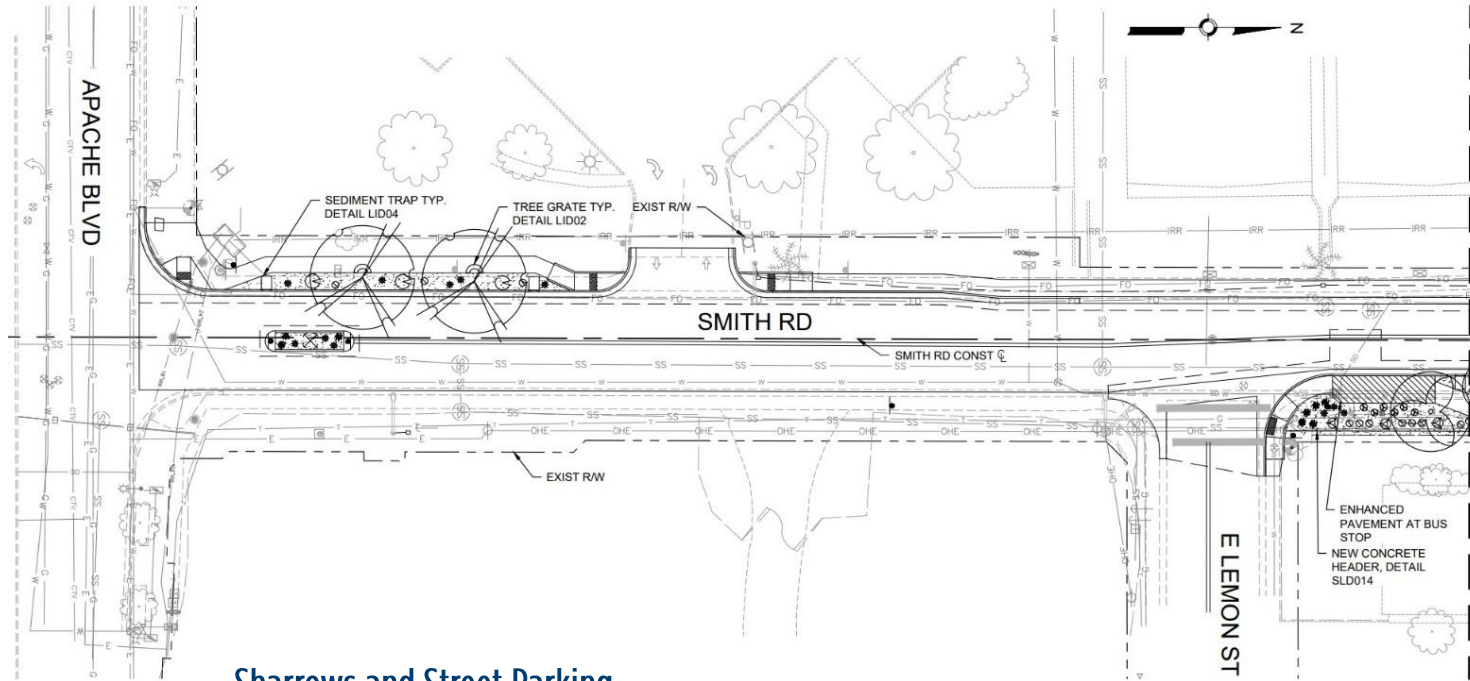


ORBIT Bus Pad – northbound Smith Rd far side stop at Lemon St

# Enhanced Landscaping and Trees



# Apache Entry

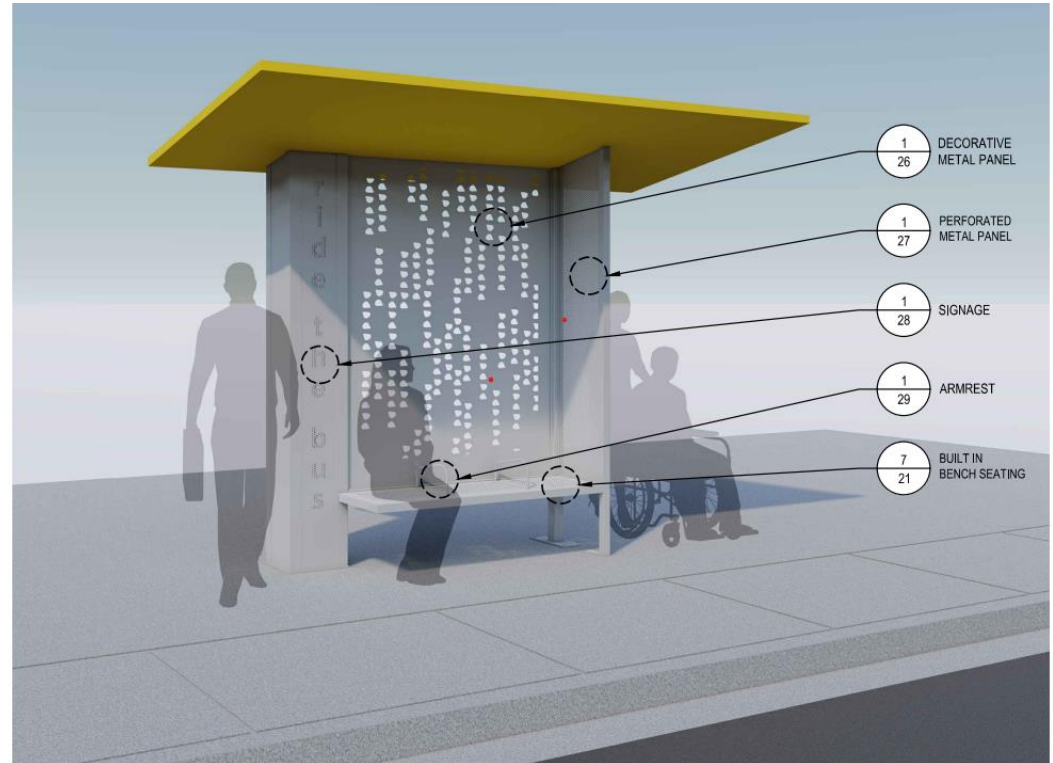


Sharrows and Street Parking

# Micro Transit Shelters



- Northbound Smith far-side stop at Fifth St
- Southbound Smith far-side stop at Fifth St
- Northbound Smith far-side stop at University





- NORTH SEGMENT, low bid contractor, current schedule:
  1. Week of Sept. 4, 2023: Construction bidding for about 3 weeks
  2. Nov. 9, 2023: Council approval of construction contract
  3. Dec. 2023/Jan. 2024: Construction begins
  4. June 2024: Construction complete
  
- SOUTH SEGMENT, CMAR contractor, current schedule:
  1. Feb. 2024: Final Design Completed
  2. March 7, 2024: Council approval of CMAR contract
  3. April 2024: Construction begins
  4. Oct./Nov. 2024: Construction complete

# Project Contacts



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