



Seis Lagos Trail Reconstruction

Presentation to Residents

JULY 2024



Discussion Items

- Seis Lagos Trail
- Bar Ditch Drainage
- Traffic Calming
- Walking and Bike Trail
- Root Barriers

Seis Lagos Trail Condition (2650 feet)

- Concrete pavement has failed
 - 53% of panels (SLUD avg = 28%)
- Sub-grade has exceeded its useful life
- Separation of pavement at ditch
 - poor drainage = edge cracking
- Location of median trees
 - root damage to pavement
- Road width and grades
 - excessive speed; safety concerns



Drainage Improvements

- Bar ditches filled with silt
 - restricting full storm water flow
- Driveway culverts undersized
 - restricting storm water flow
- Driveway headwalls not functioning



**Pavement Condition
Panel Cracking and Displacement**



Culverts and Headwalls

Road Drainage Conditions



Edge Cracking



Seis Lagos Trail - Full Replacement Features

- Pavement
 - 7" Concrete thickness
 - Improved flexible base subgrade
 - Two 11-foot lanes each direction with inside curb
 - Root barriers to deter root growth under pavement
 - Roadway lighting improvements
 - More visible and effective speed control signage
- Drainage
 - Regrade ditches
 - Replace culverts and headwalls
 - Re-sod ditches

Seis Lagos Trail - Full Replacement Features

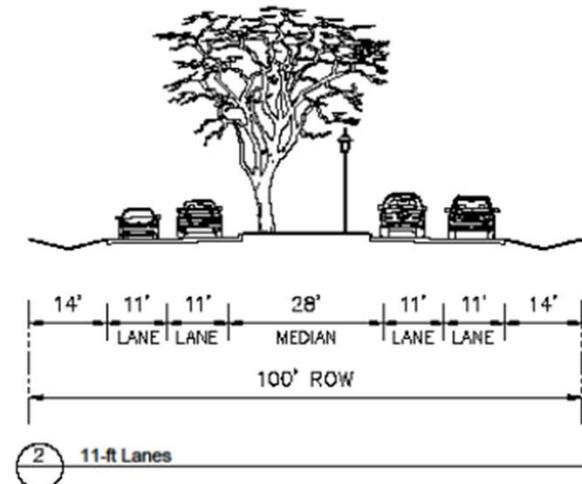
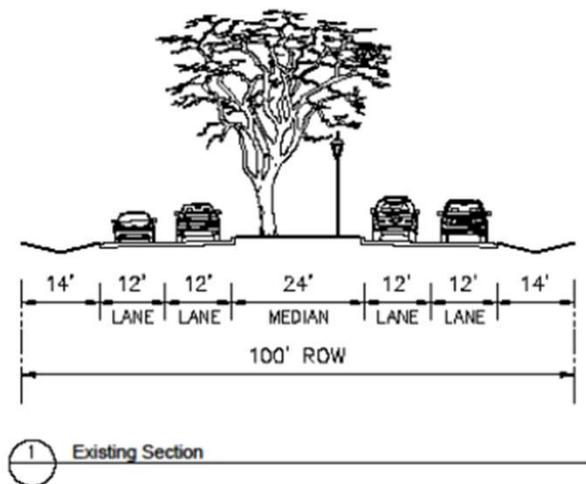
- Median / Parkway
 - Widen median to 28-feet from 24-feet
 - Meandering concrete trail for pedestrians and cycling (NO golf carts)
 - Trail lighting; bollard lighting
 - Low maintenance landscape features
 - Arborist recommendations for existing tree maintenance
 - Additional trees installed further from curb with root barriers
- Traffic Calming and Control
 - Raised intersections for traffic calming and reduced speed
 - Barrier-free ramps for accessibility
 - Crosswalks (median to median)

Seis Lagos Trail - Full Replacement Features

- Construction Challenges
 - Maintaining Two-way Traffic during construction
 - Accessibility to Residences
 - Emergency Vehicle access
 - Use of Riva Ridge and Carriage Trail
 - Phasing / Scheduling Plan
 - Construction Staging; Concrete Batch Plant
 - Traffic Management Planning

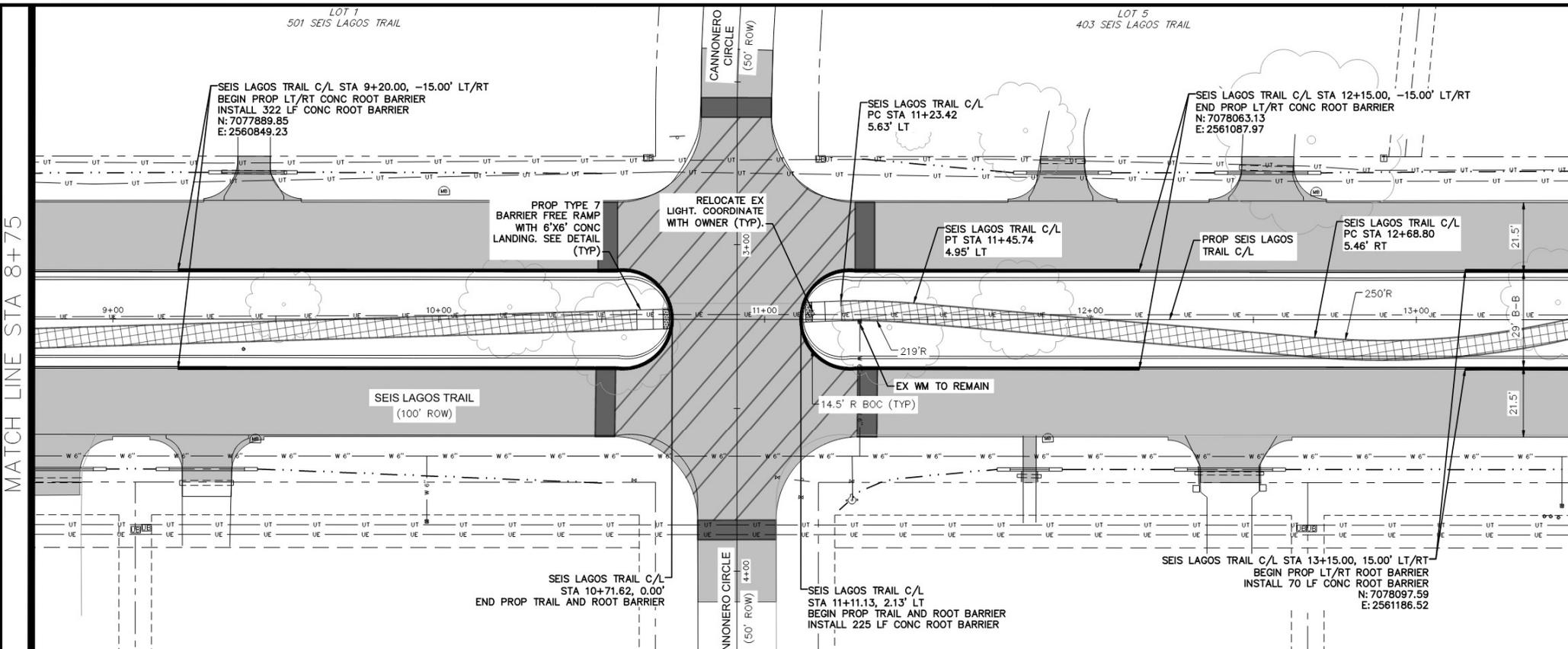
Estimated Construction Cost = \$ **5,500,000**

Seis Lagos Trail Cross-Sections





Raised Intersection Design



Raised Intersection

- Slows traffic through intersection
- Aesthetic feature (pavers)
- Calms two streets at once
- Can be used with curb extensions



Raised Intersection Example



Raised Intersection Example





Raised Crosswalk Example





Schedule (earliest)

Preparation of Bidding Documents	December 2024
Bid Period	January 2025
Award of Contract	February 2025
Construction Mobilization	March 2025
Estimated Completion	January 2026



Thank you!