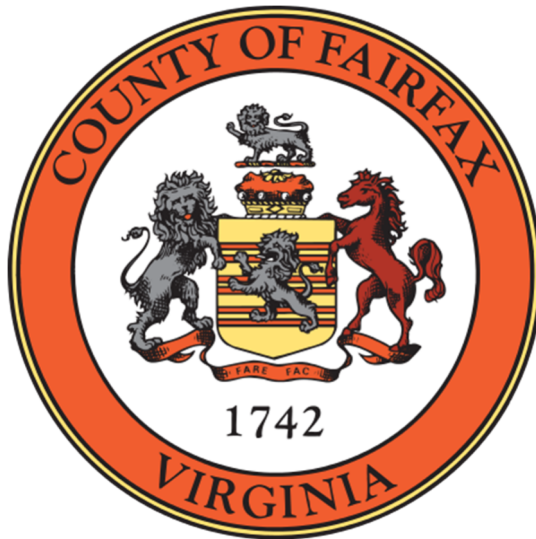


# Fairfax County Transportation Improvements



**Richmond Highway Corridor Improvements Pen Daw Grid of Streets**

**Estimate**

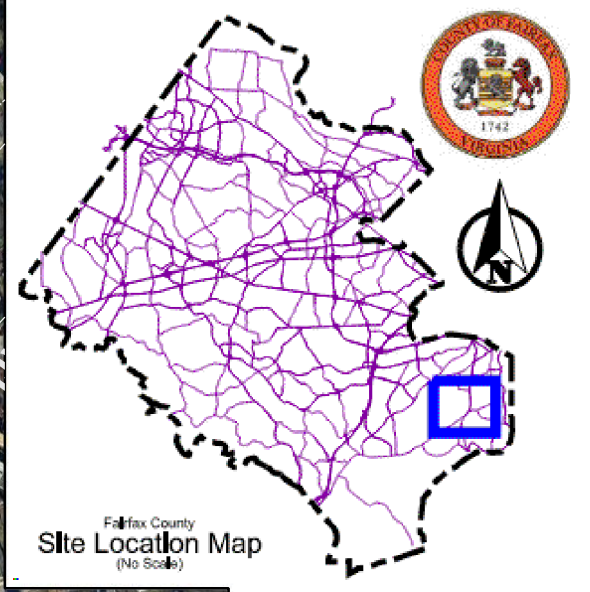
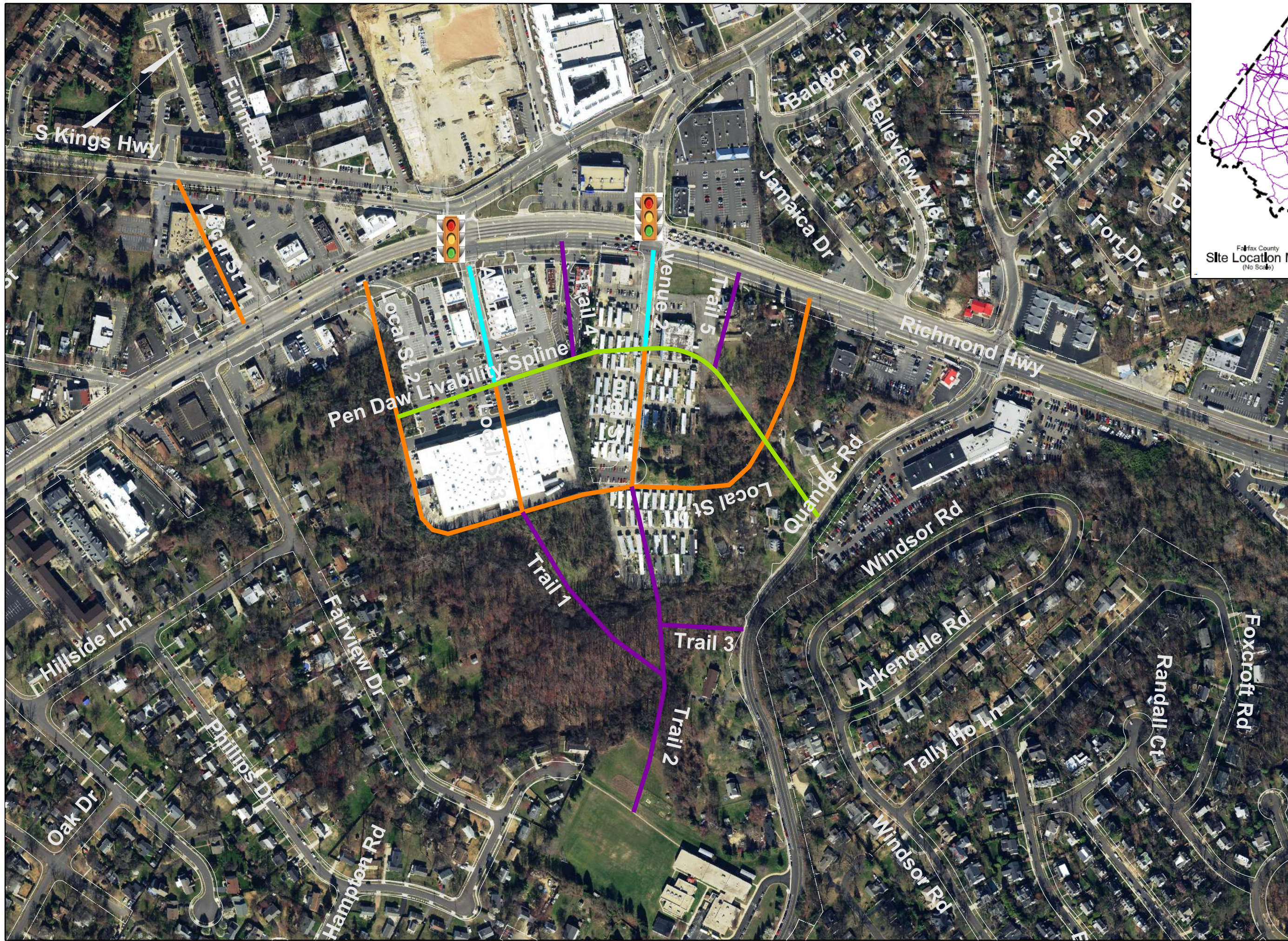
**May 2020**

**Prepared for: Fairfax County Department of Transportation**



5875 Trinity Pkwy, Suite 300  
Centreville, VA 20120





Richmond Highway  
Corridor Improvements  
Pen Daw  
Grid of Streets

Legend

- Denotes Local Street
- Denotes Livability Spline
- Denotes Avenue
- Denotes Paved Trail
- Denotes Ex. Right of Way
- Denotes Prop. Right of Way

**PARSONS**



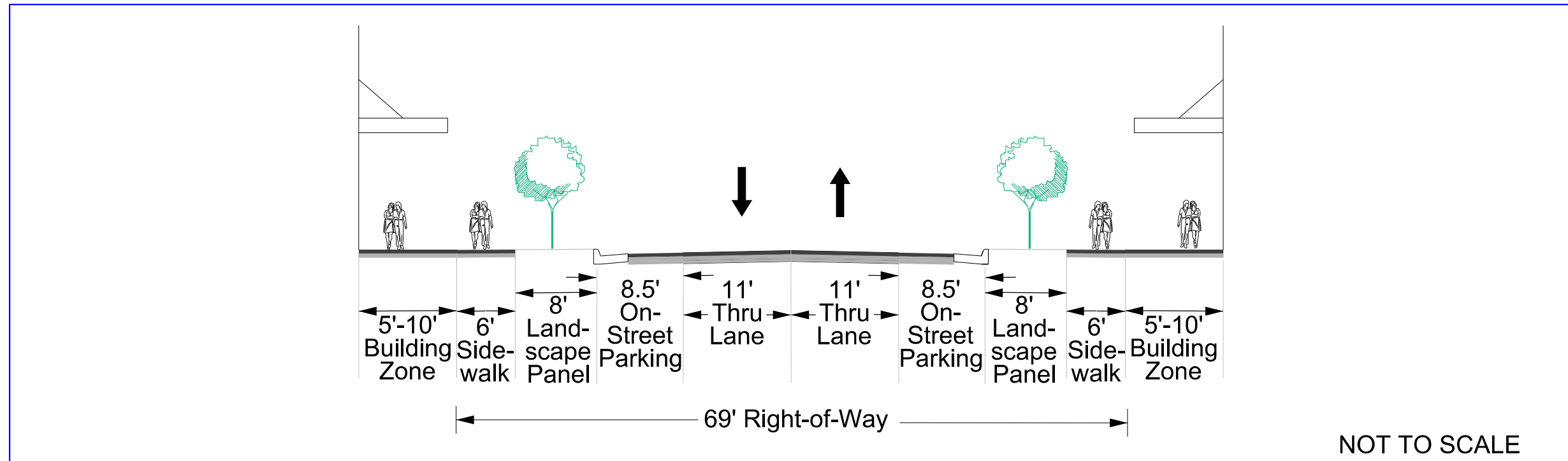




# Richmond Highway Corridor Improvements

## Typical Section

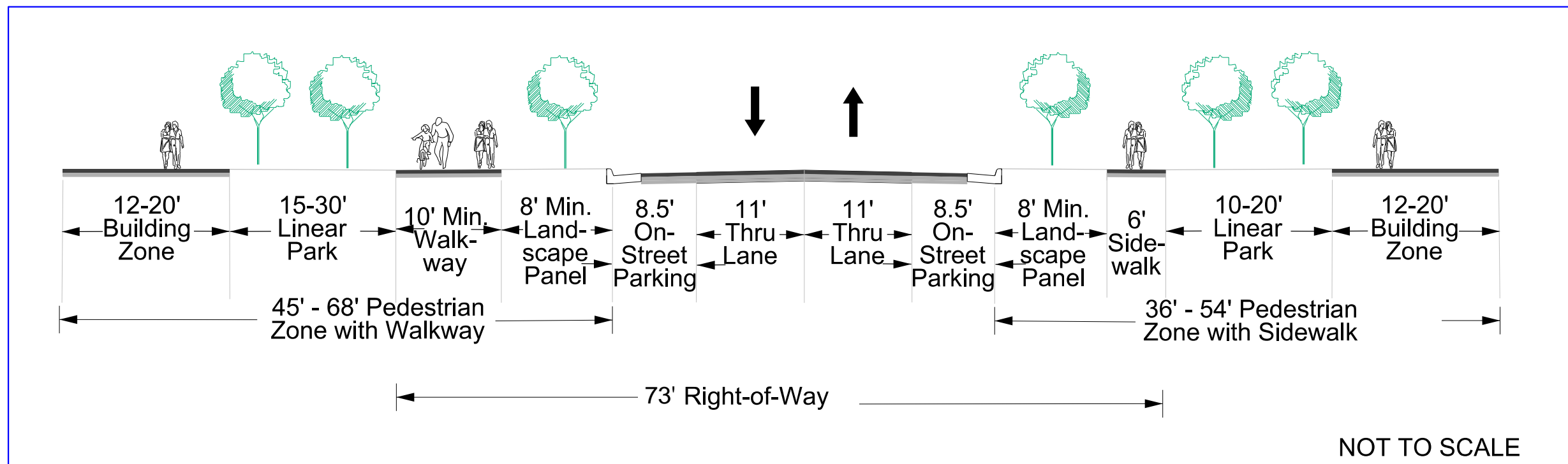
### Local Street





# Richmond Highway Corridor Improvements Typical Section

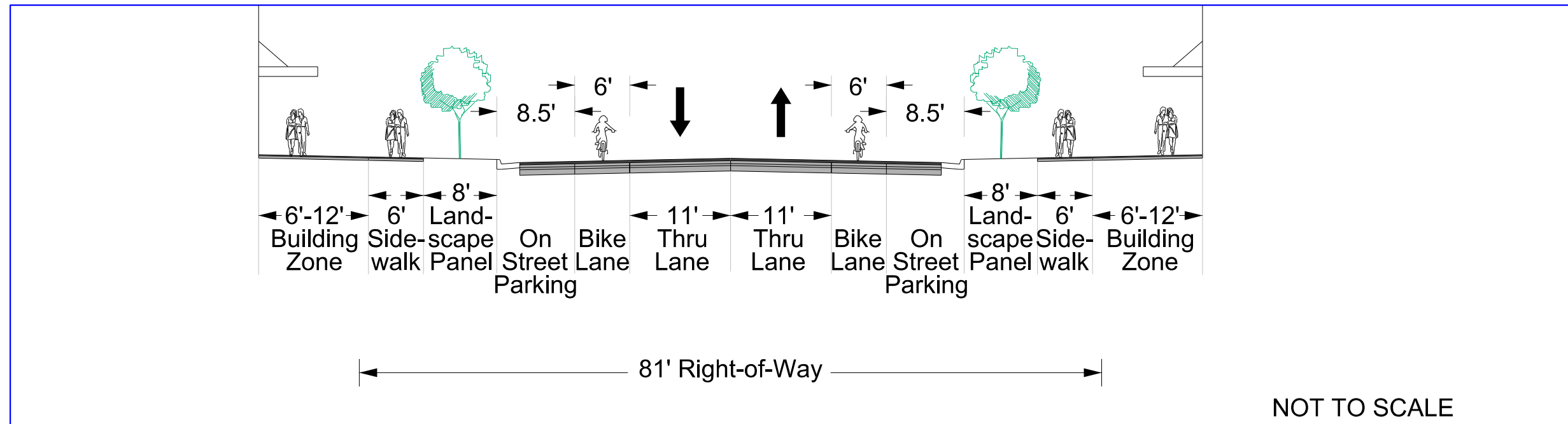
## Livability Spine





# Richmond Highway Corridor Improvements Typical Section

## Avenue

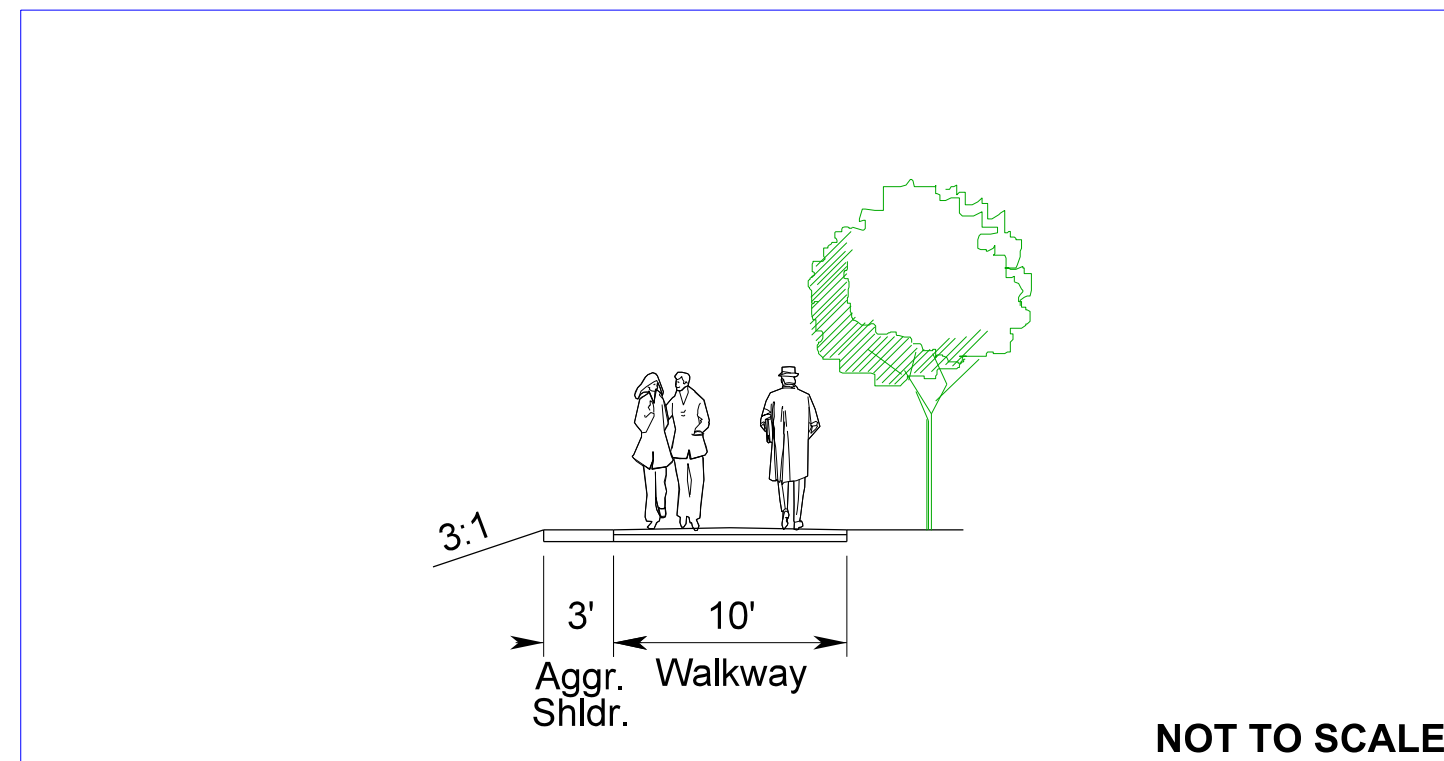




# Richmond Highway Corridor Improvements

## Typical Section

### Trail/Walkway



# Fairfax County Transportation Improvements

Project: Route 1 Corridor Improvements Pen Daw Grid of Streets

Length: N/A

Previous Studies/Plans:

- 2017 Fairfax County Comprehensive Plan (Richmond Highway Corridor Area) Amended 5-1-2018

Project Scope/Assumptions

- Assumed all improvements to Route 1 will precede the construction of this project.
- Alignments are shown as provided by Fairfax County and are not to be considered the final roadway location
- Grid of Streets and typical sections are constructed as shown in the Fairfax County Comprehensive Plan.
- All Proposed pavement will be full depth and have a pavement structure as follow:
  - 2" SM-9.5A
  - 2" IM-19.0A
  - 8" BM-25.0A
  - 8" Aggregate Base Material 21-B
- Roadway Lighting provided along the entire length of project.
- New signals at Route 1/South Kings Hwy and Route 1/North Kings Hwy
- Right of Way SF costs have been provided by previous cost estimates.
- Assumed no demolition costs/total takes included in this estimate due to redevelopment
- Assumed no utilities present in the green undeveloped area of this project.

Unique Cost Drivers:

- None

Estimate Methodology:

- VDOT PCES System
- Quantity Take-off/Bid

Tabulation Assumed Advertisement Date: 2024