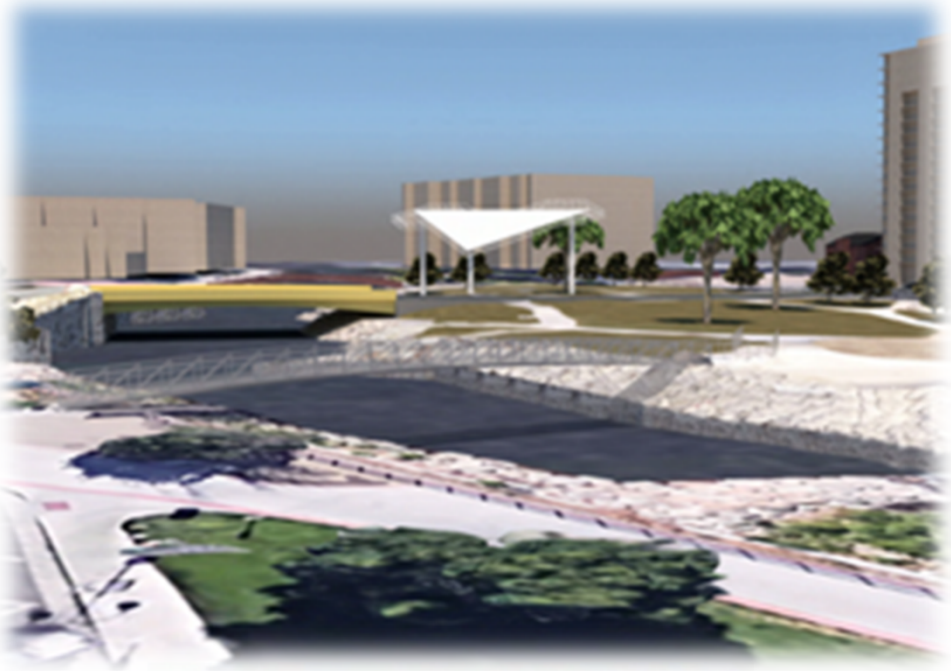
Appendix C
Bridge Alternatives Renderings

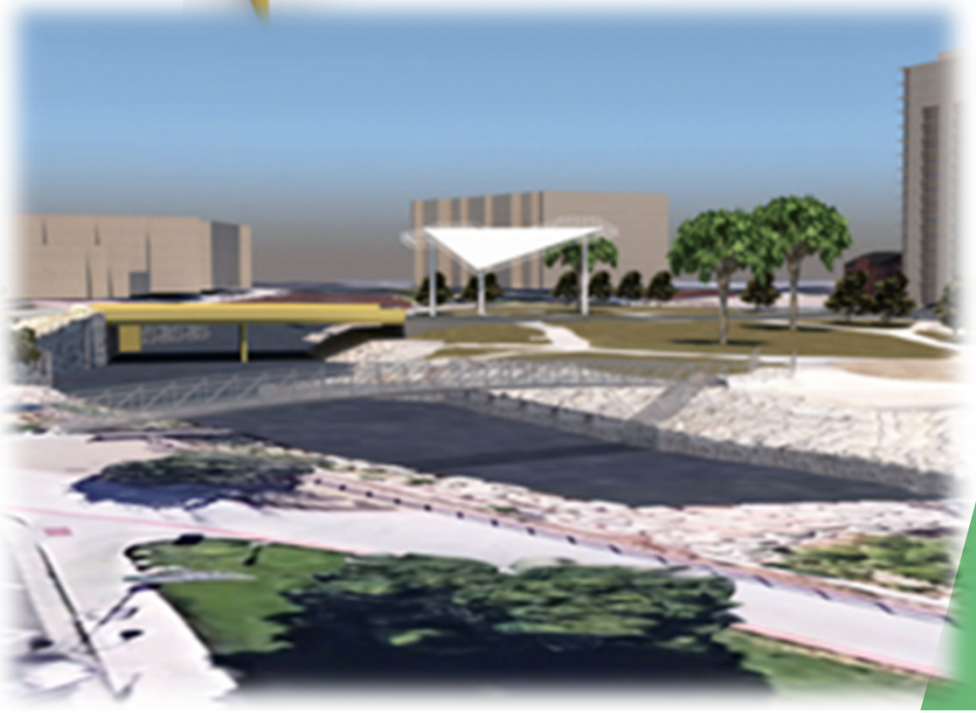
Five Original Alternatives

ARLINGTON AVENUE BRIDGES PROJECT



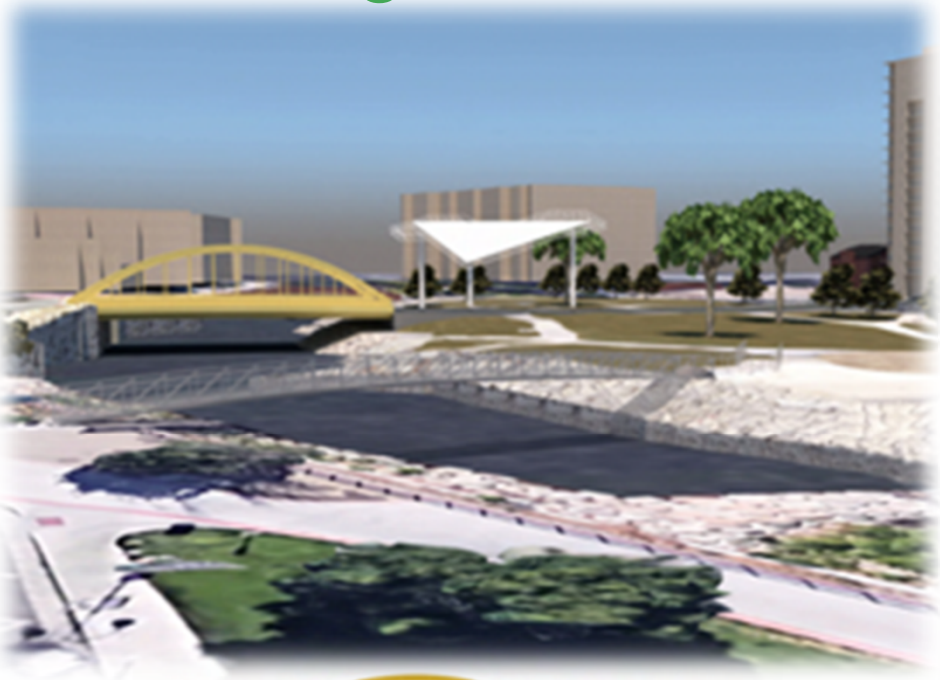
Clear Span

Single Pier

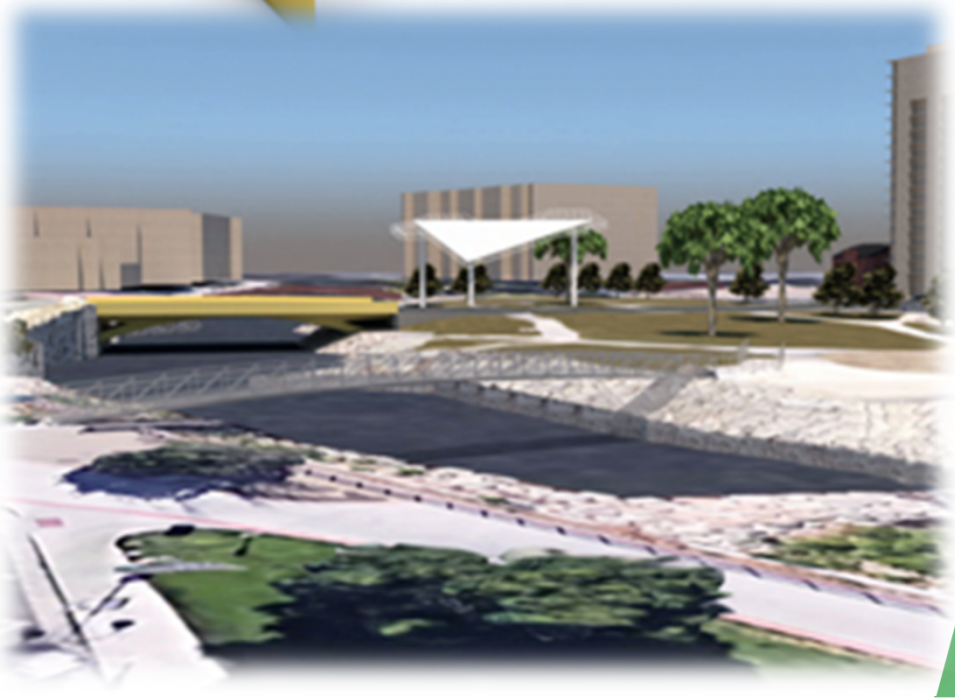


Five Original Alternatives

ARLINGTON AVENUE BRIDGES PROJECT



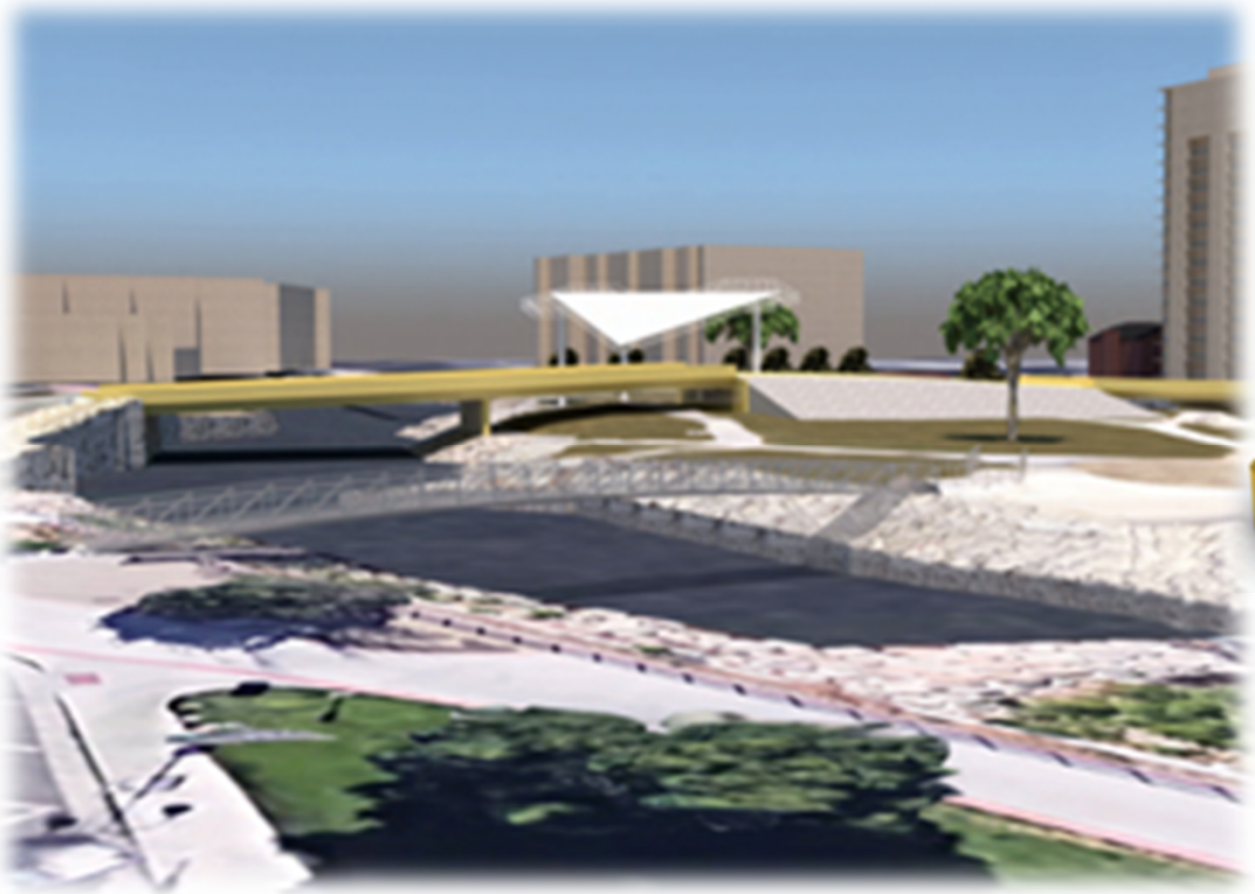
Underdeck Arch



Tied Arch

Five Original Alternatives

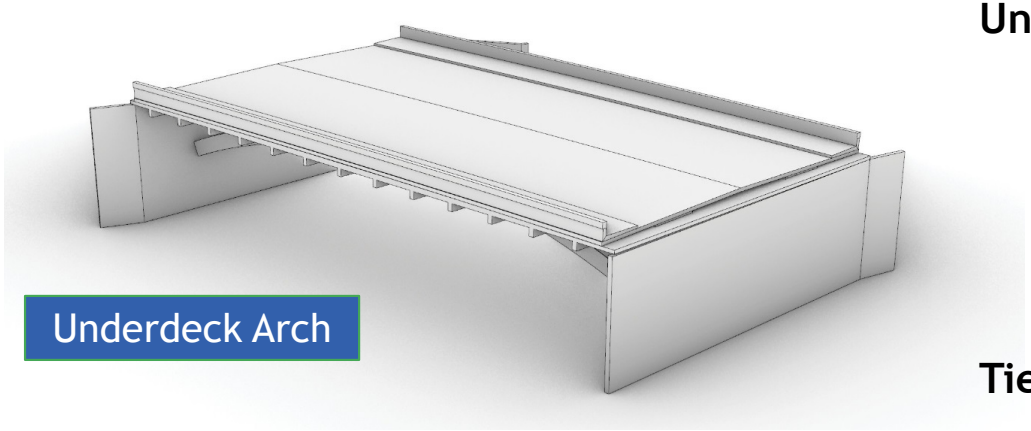
ARLINGTON AVENUE BRIDGES PROJECT



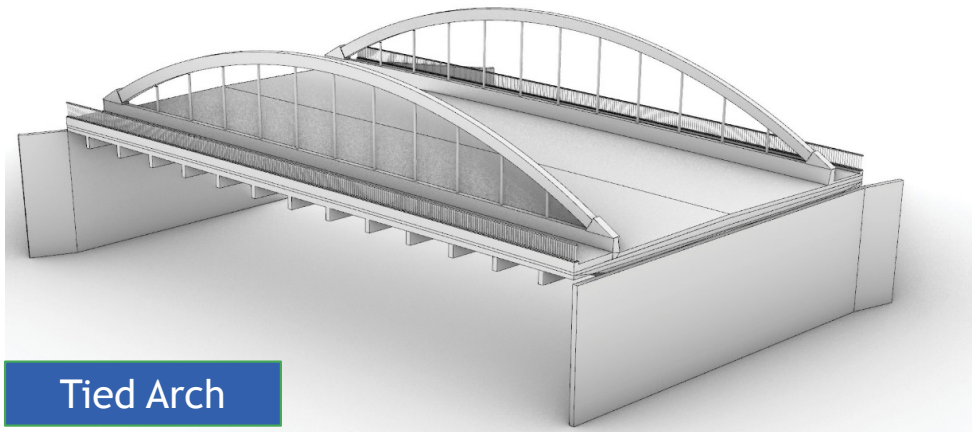
Elevated Bridge

Alternatives Eliminated

ARLINGTON AVENUE BRIDGES PROJECT



Underdeck Arch



Tied Arch

Underdeck Arch

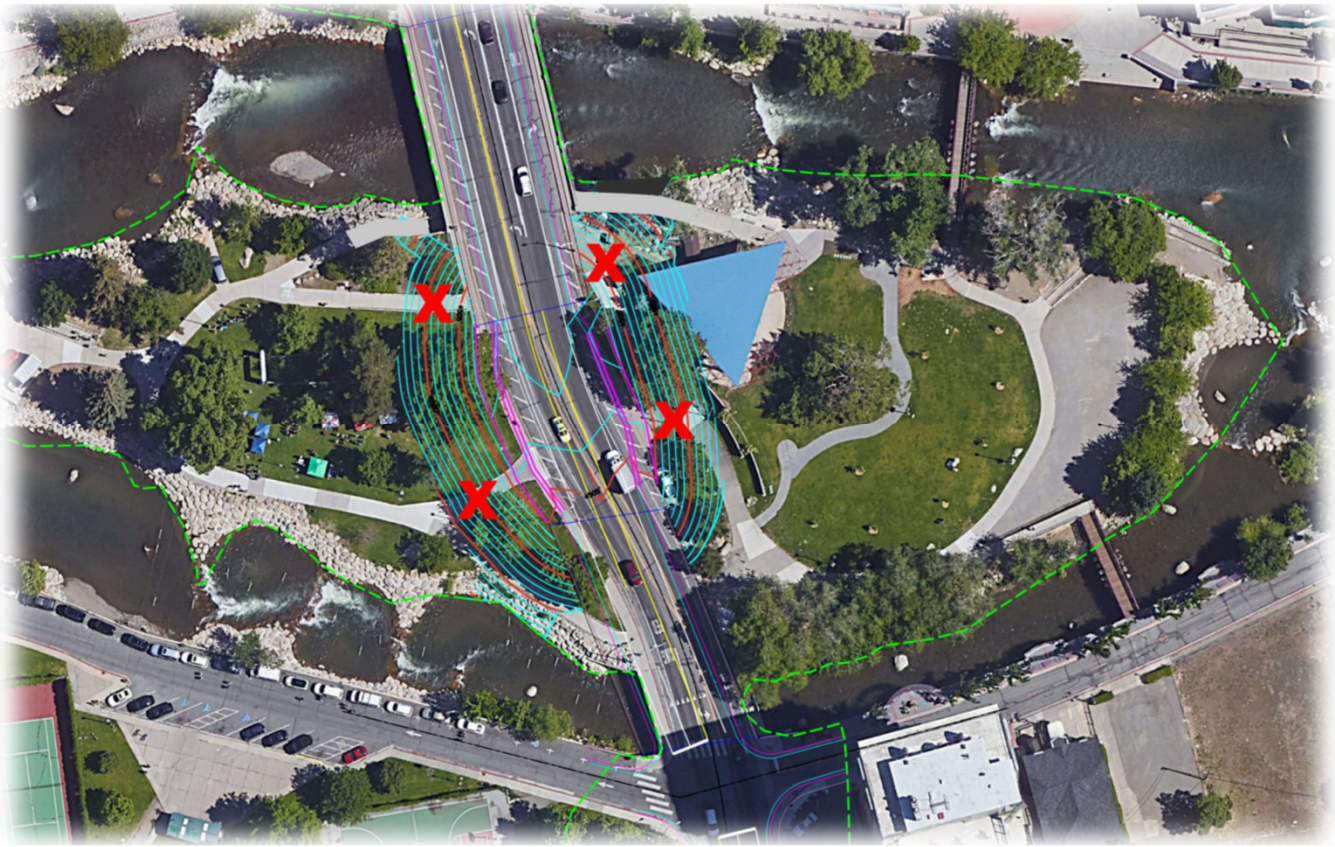
- Limits space for pathway under bridge
- Prone to collect debris during flood events
- Limits clear space over floodwaters
- Complex design and construction

Tied Arch

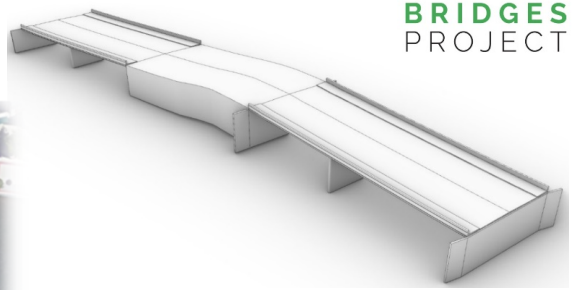
- Limits Access
  - Debris/Sediment removal difficult
  - Maintenance/inspection of bridge
- Permitting Challenges
  - Visually obstructs river/park views
  - Viewshed impacts
- Complex design and construction

Alternatives Eliminated

ARLINGTON AVENUE BRIDGES PROJECT



Elevated Bridge

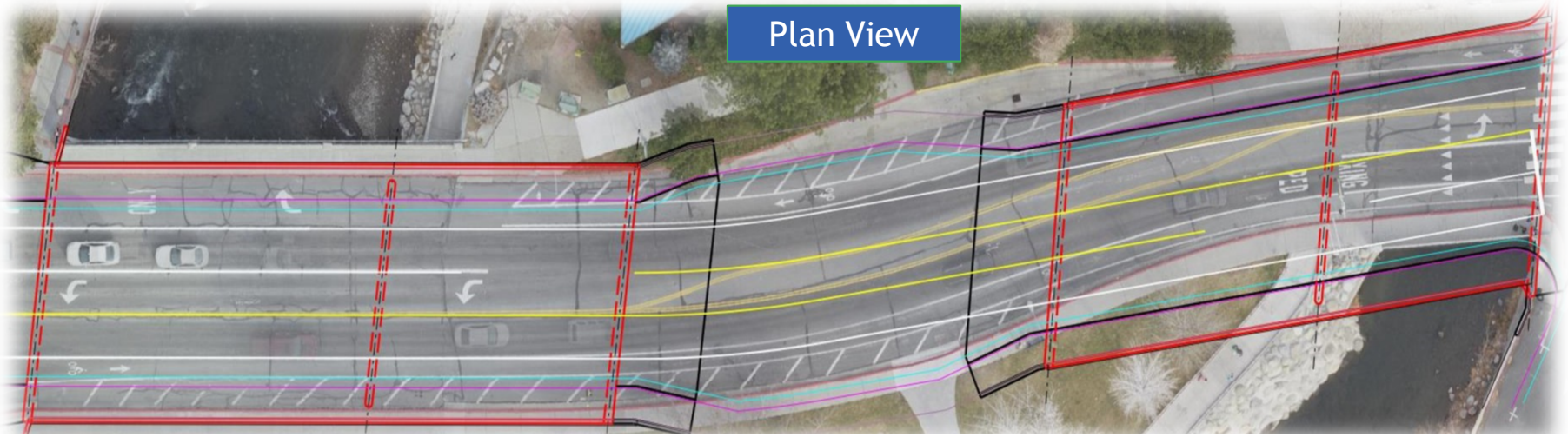


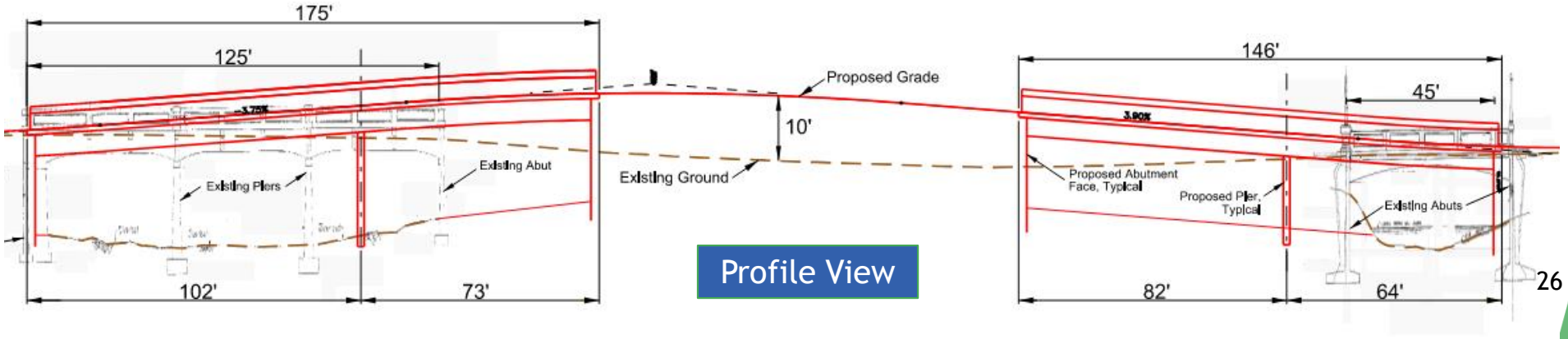
Elevated Bridge

- Footprint Impacts
- Mature Tree Removal
- Pedestrian Circulation
- Park Functionality
- Park Access
- Maintenance Access
- Viewshed Impacts
- Permitting Challenges
- Cost $7 to $10 Million More

Alternatives Eliminated

ARLINGTON AVENUE BRIDGES PROJECT





Recommended Bridge Types

Existing Bridge

Single Pier

Clear Span

ARLINGTON AVENUE BRIDGES PROJECT

Single Pier Bridge Type

ARLINGTON AVENUE BRIDGES PROJECT

Pros

- Park Access
- Park Functionality
- Vertical clearance at path
- Thinner deck section
- Opportunity for increased sidewalk widths/river overlooks
- Minimum roadway elevation adjustment
- River/Park views maintained
- Debris removal during floods
- Cost - $17 to $35 Million

Cons

- Pier within River
- Pier wall potential tagging surface

Clear Span Bridge Type

ARLINGTON AVENUE BRIDGES PROJECT

Pros

- Park Access
- Park Functionality
- No pier within River
- Unobstructed River views
- River/Park views maintained
- Open River flow capacity
- Cost - $18 to $39 Million

Cons

- Thicker deck section, especially at the ends
- Increase roadway elevation to provide clearance for path
- Limits clear space over floodwaters
- Coordination w/ Kayak Park and hydraulic impacts