



# Pinnacle Peak Road and Happy Valley Road Traffic Interchange (T.I.) Reconstruction

March 22, 2018

[azdot.gov/I17TrafficInterchanges](http://azdot.gov/I17TrafficInterchanges)

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# Tonight's Meeting

- Introduction
- Preview of Aesthetics
- Open House with Subject Matter Experts to answer questions

# Tonight's Presenters

Adrienne LaNeave: ADOT Community Relations

Joseph R. Salazar: ADOT Roadside Development

Daniel Mayer: Artist, City of Phoenix Representative

# Project Aesthetics Overview

This project meeting will focus on the aesthetics of the Pinnacle Peak Road & Happy Valley Road traffic interchanges (T.I.'s).



# Landscape Architecture Inspiration

The vision is to bring the form of the Saguaro Cactus off the mountain sides, into the freeway corridor & onto the new bridge walls & landscaping.





# City of Phoenix Gateway

At Happy Valley Road

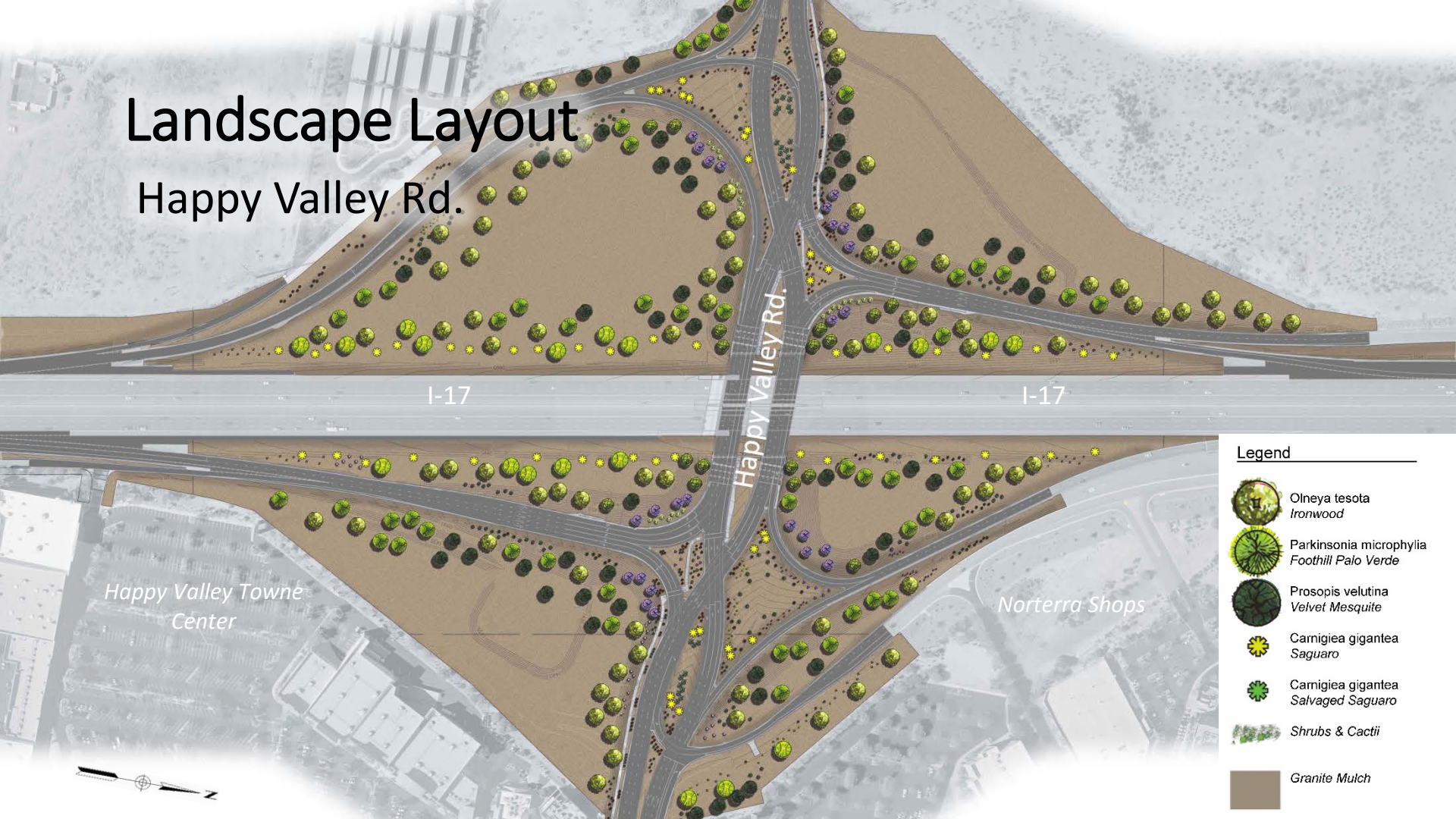


*Looking Northeast*




# Landscape Layout

Happy Valley Rd.

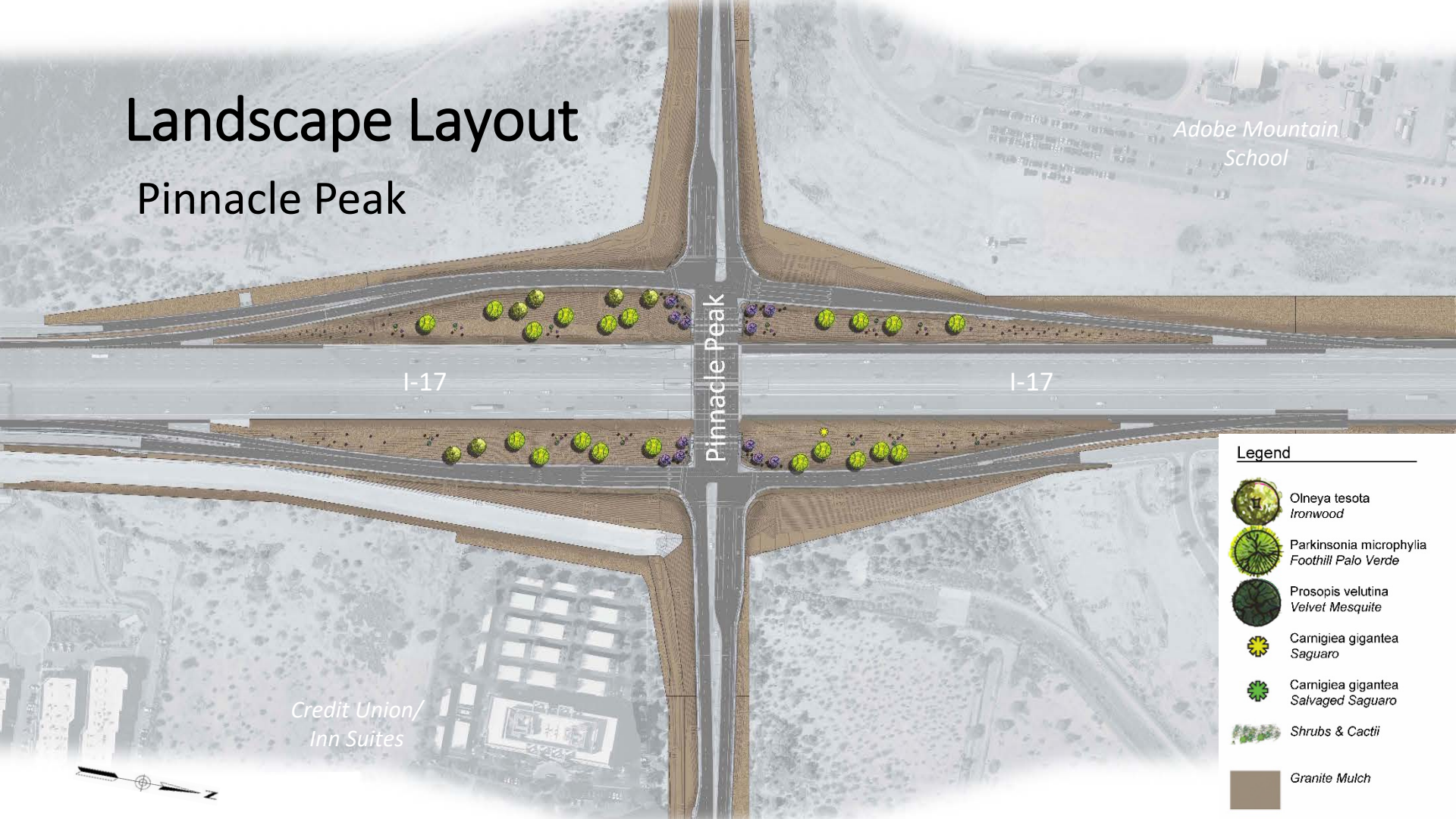


## Legend

-  *Olneya tesota*  
Ironwood
-  *Parkinsonia microphylla*  
Foothill Palo Verde
-  *Prosopis velutina*  
Velvet Mesquite
-  *Carnigiea gigantea*  
Saguaro
-  *Carnigiea gigantea*  
Salvaged Saguaro
-  Shrubs & Cactii
-  Granite Mulch

# Landscape Layout

## Pinnacle Peak



Adobe Mountain  
School



I-17

Pinnacle Peak

I-17

Credit Union/  
Inn Suites

### Legend

-  *Oleña tesota*  
Ironwood
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Velvet Mesquite
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-  Granite Mulch



# Trees

## Plant Palette



Ironwood  
*Olneya tesota*



Foothill Palo Verde  
*Parkinsonia microphylla*



Velvet Mesquite  
*Prosopis velutina*

# Cactus Plant Palette



Saguaro  
*Carnegie gigantea*



Purple Prickly Pear  
*Opuntia santa rita*



Ocotillo  
*Fouqueria splendens*

# Shrubs

## Plant Palette



Brittle Bush  
*Encelia farinosa*



Creosote  
*Larrea tridentata*

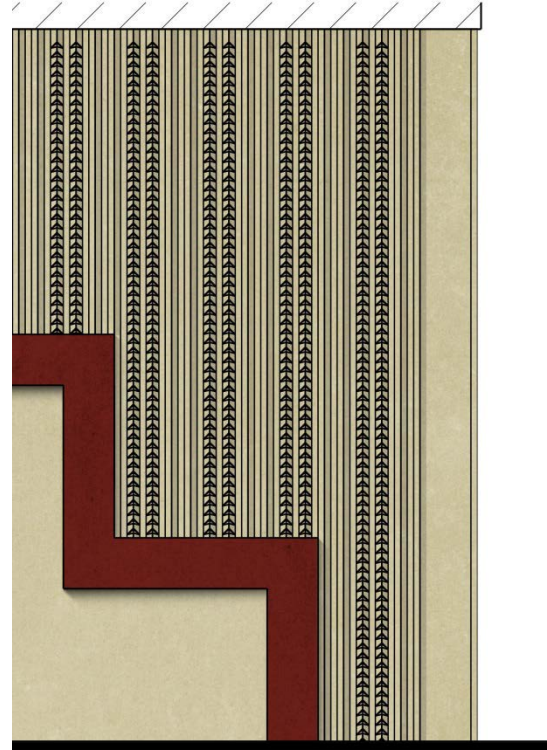


Red Yucca  
*Hesperaloe parvifolia*



# Landscape Architecture Design

## Concept Development



# Landscape Architecture Aesthetics

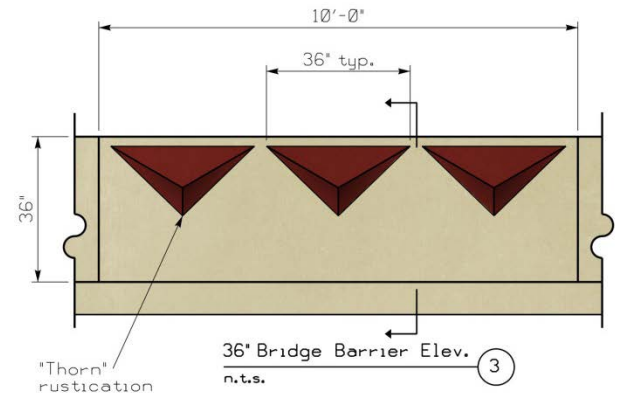
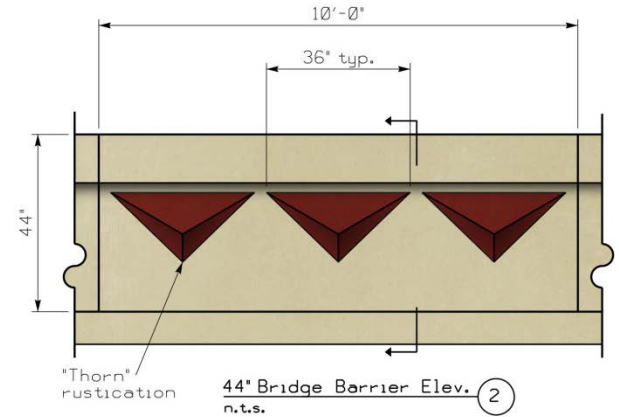
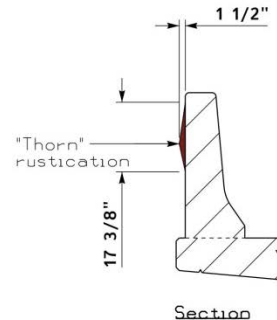
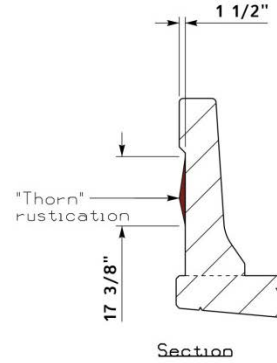
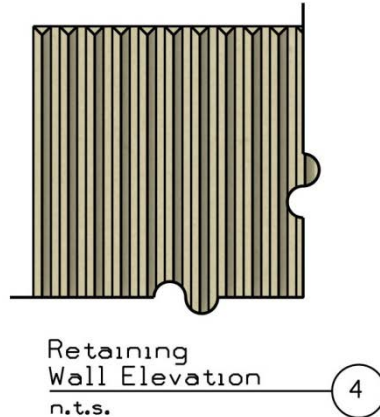
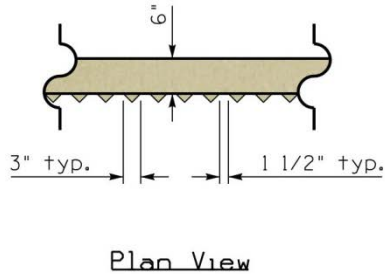
## Pinnacle Peak Road



*Looking North*

# Saguaro Texture Details

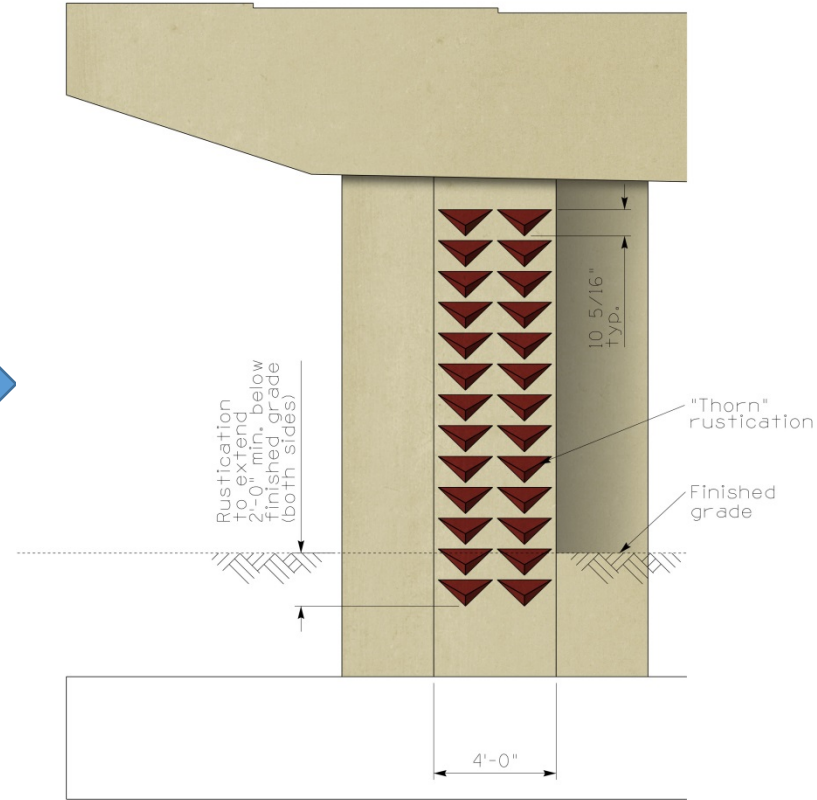
- Bridge Barriers
- Retaining Walls





# Saguaro Texture Details

- Bridge Barriers
- Bridge Piers
- Retaining Walls

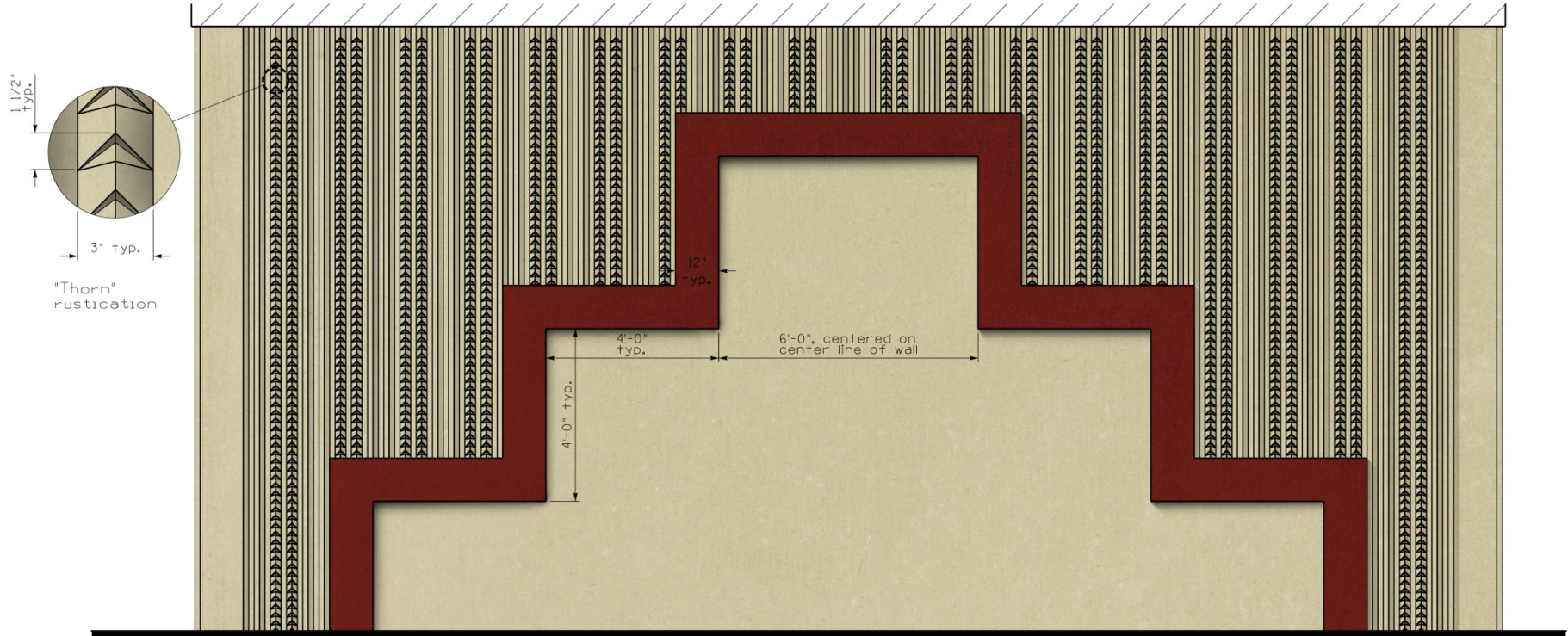


Bridge Pier Elevation

n.t.s.

# Saguaro Texture Details

- Abutment Walls



# City of Phoenix Central Gateway

At Happy Valley Road

Artist: Daniel Mayer

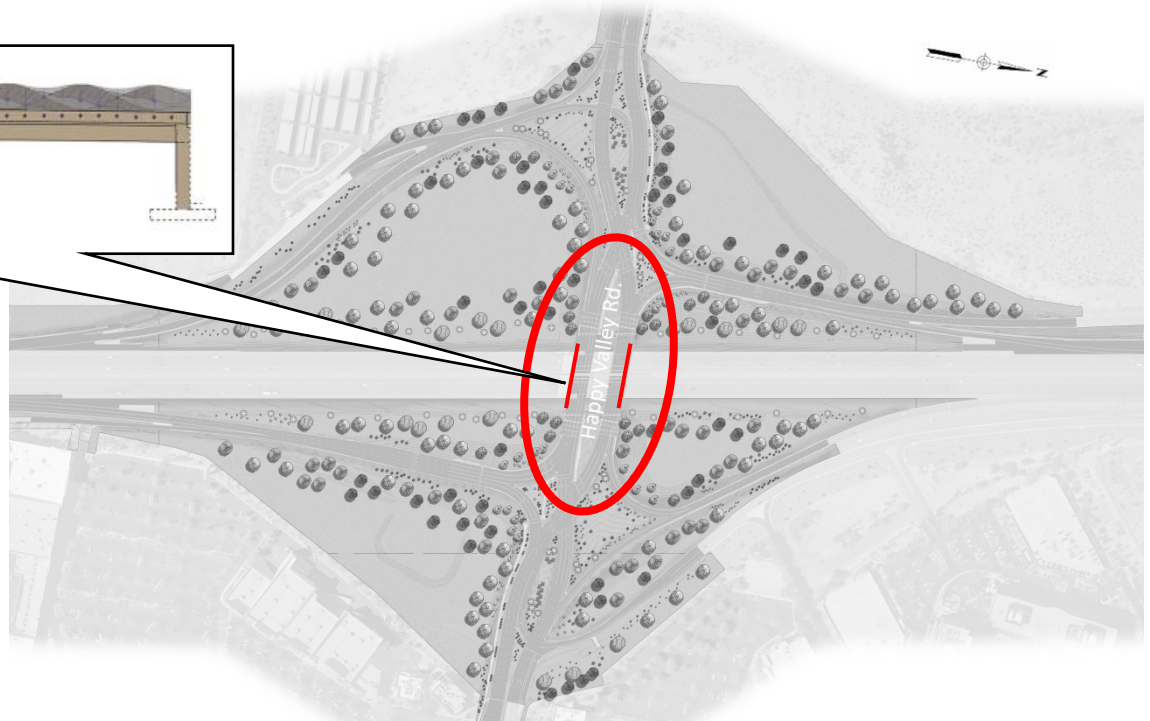
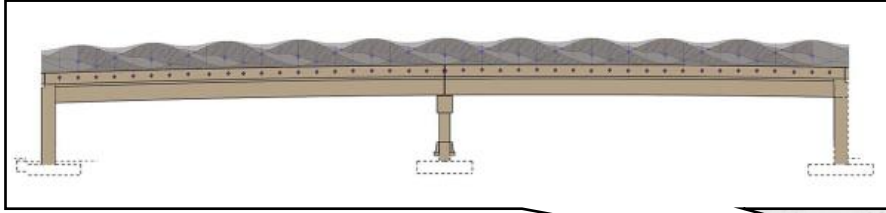
*Looking Northeast*



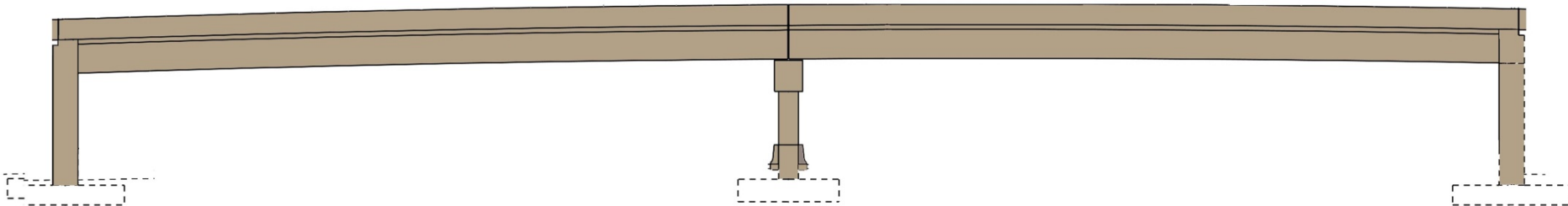


# City of Phoenix Gateway Concept

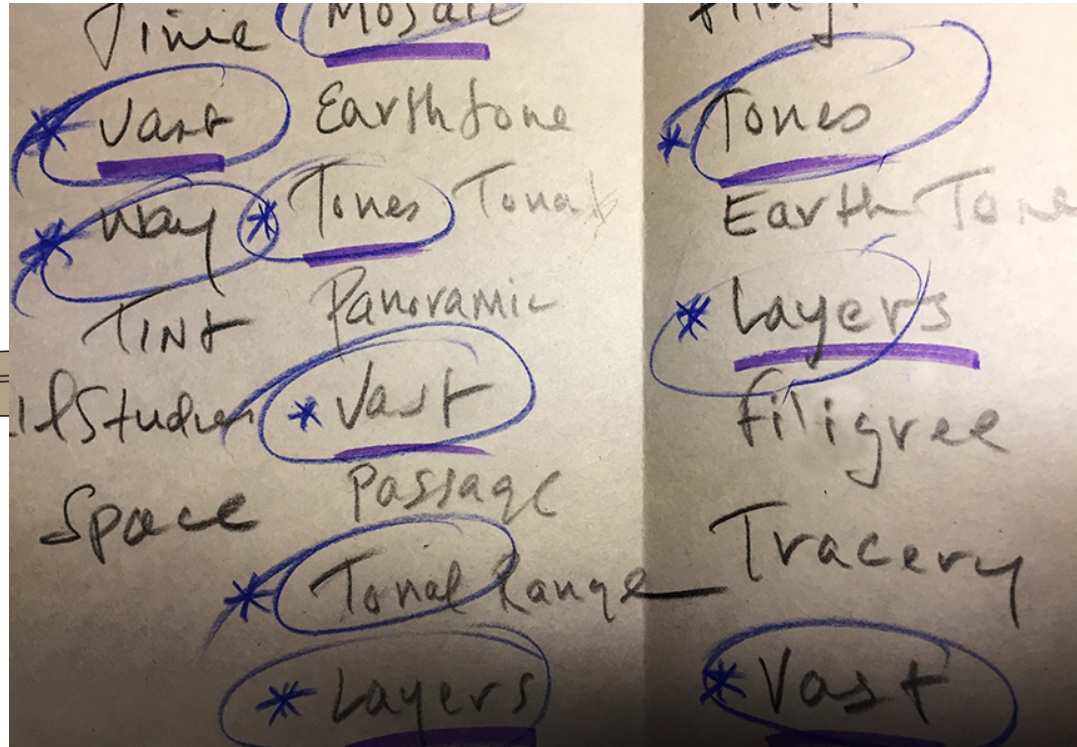
## Artistic Improvements to Happy Valley Rd. bridges



Inspiration: Above, below, between...



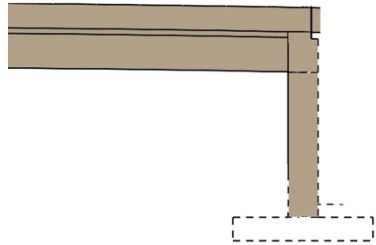
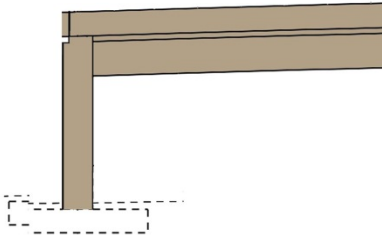
# Inspiration: Concepts – Word lists = Pictures





# Inspiration: Concepts

**Cairns** **TONAL RANGE** **Layers** **Gateway**  
**Markers** **Cycle**  
**VISTA** **Landforms**  
**Panoramic** **Mosaic**



# Inspiration: Concepts

**Gateway**

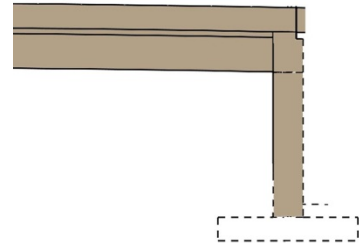
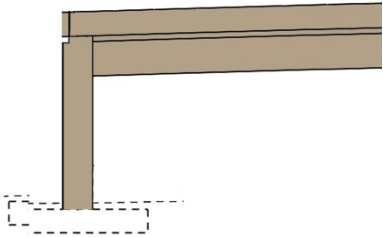
**Cycle**

**Markers**

**VISTA**

**Panoramic**

**Cairns**

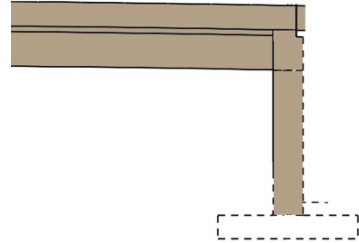
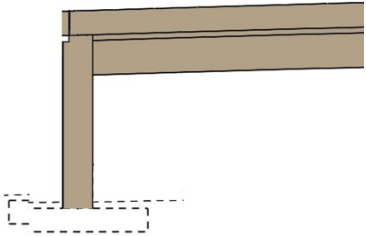


Inspiration: Concepts

Gateway

**Cairns**

**VISTA**





# Inspiration: Sunlight



NPS Photo / SAGU

# Inspiration: Landscape



**Background**

**Middle ground**

**Foreground**

# Inspiration: Trail Markers / Cairns



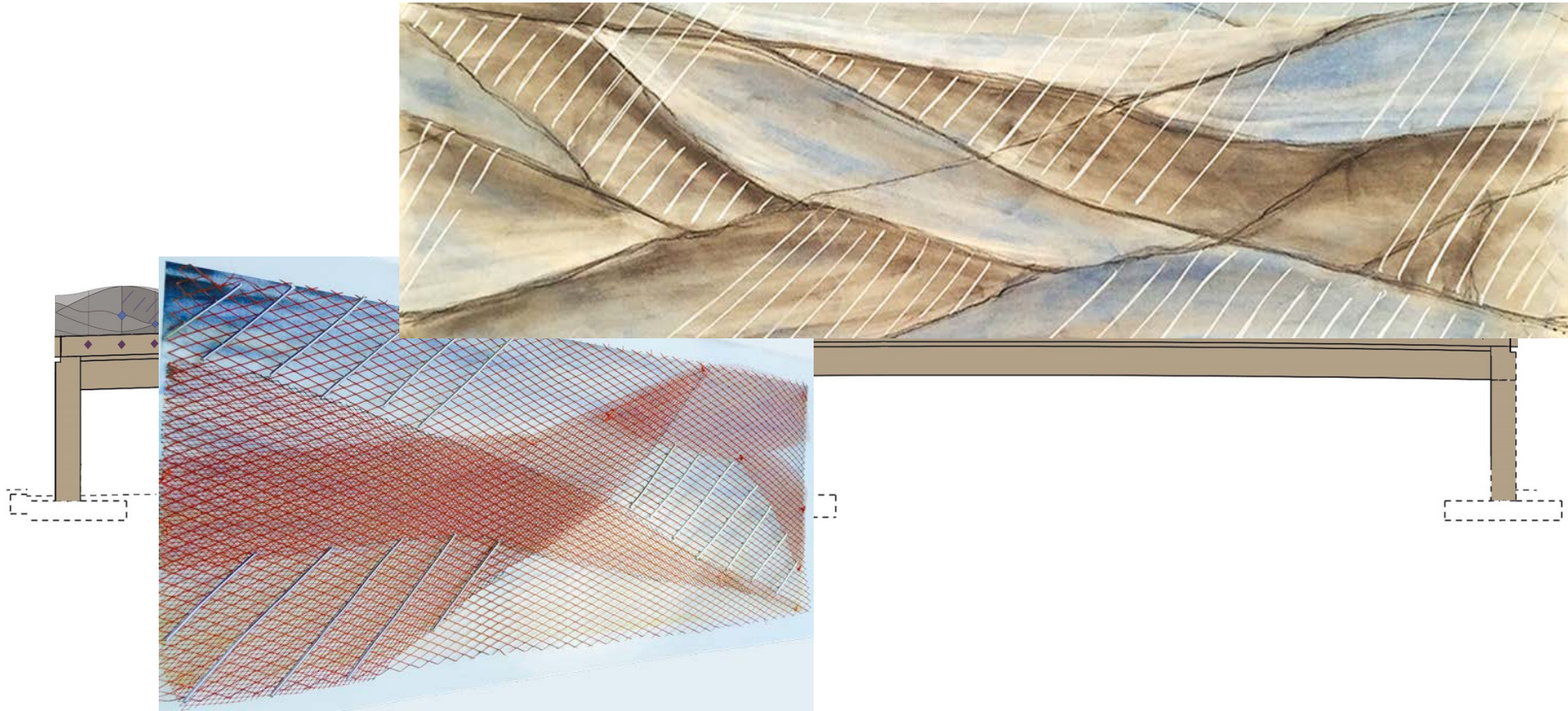
Courtesy of Fougerouse Arnaud



# Inspiration: Navigational Markers / Stars

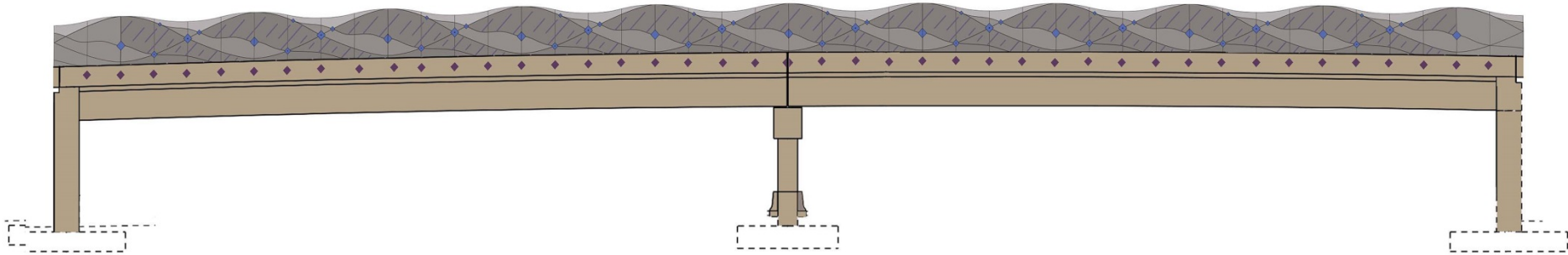


# Design: Drawings & Models



# Design: Artistic Overview

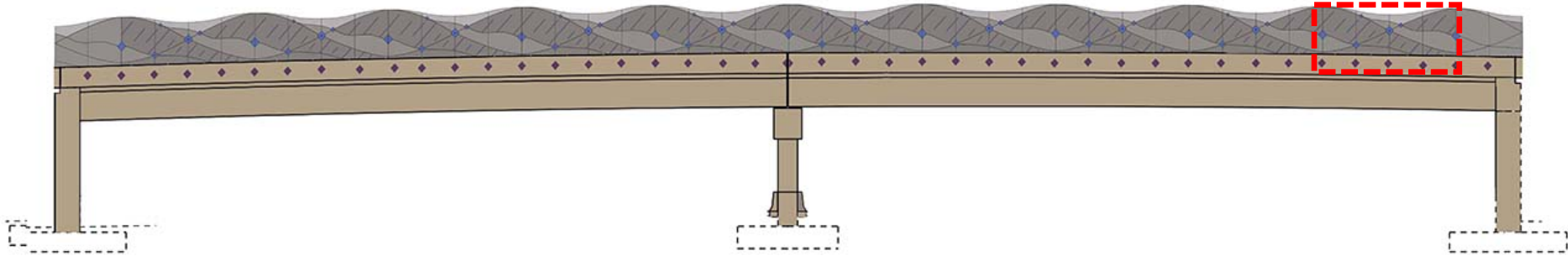
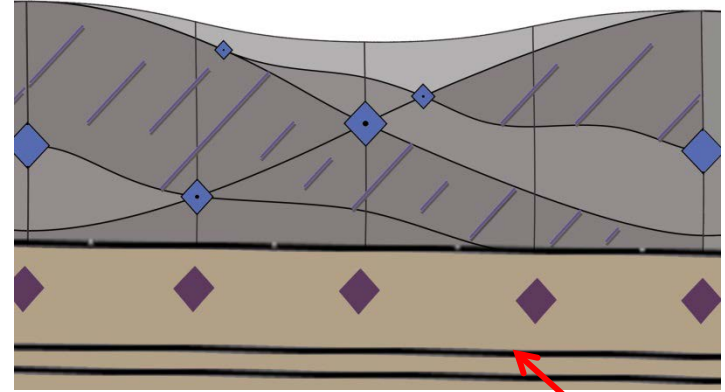
View from I-17





# Details: Repeating Pattern

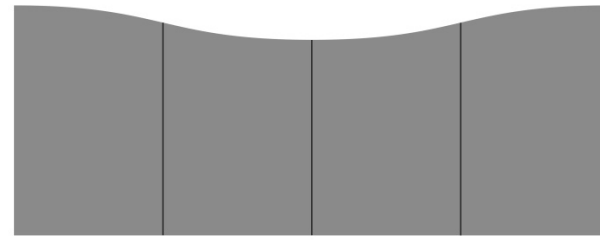
Artistic Fence Detail



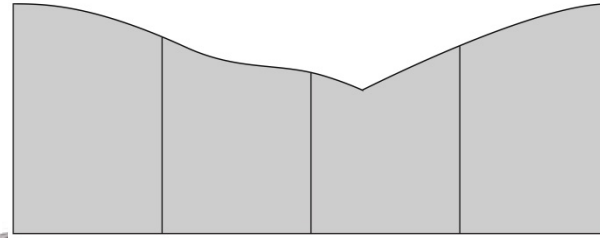
# Details: Fence Layers

Steel Mesh

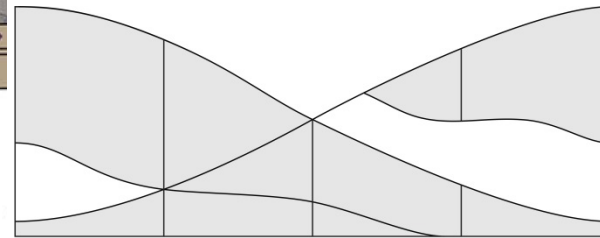
Aluminum Accents



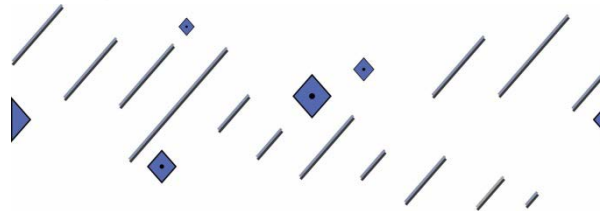
Background



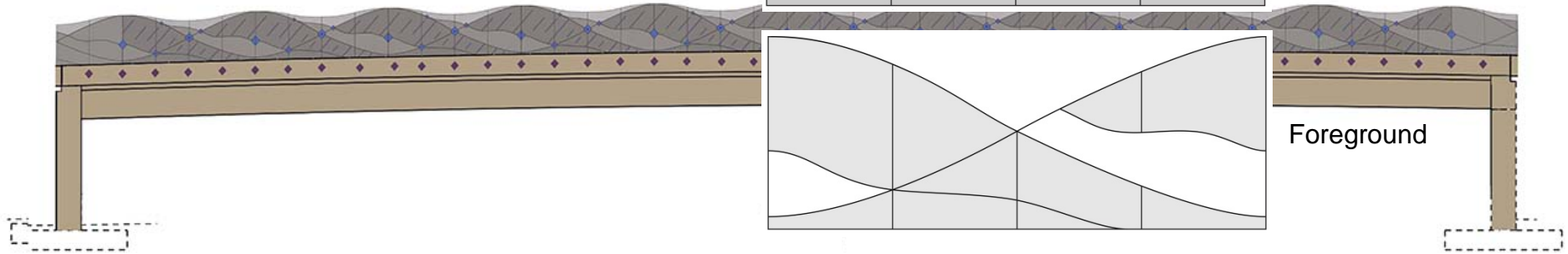
Middle Ground



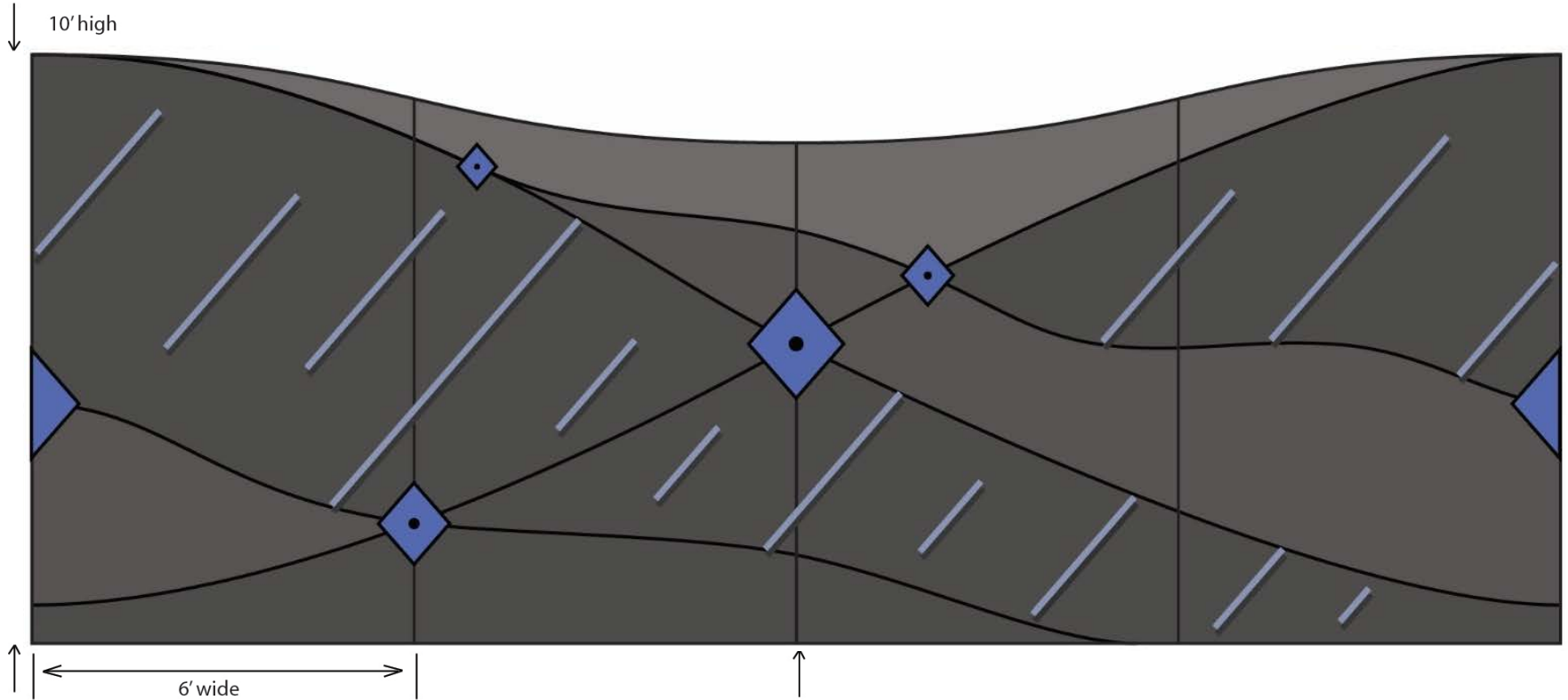
Foreground



Diamonds & Striations



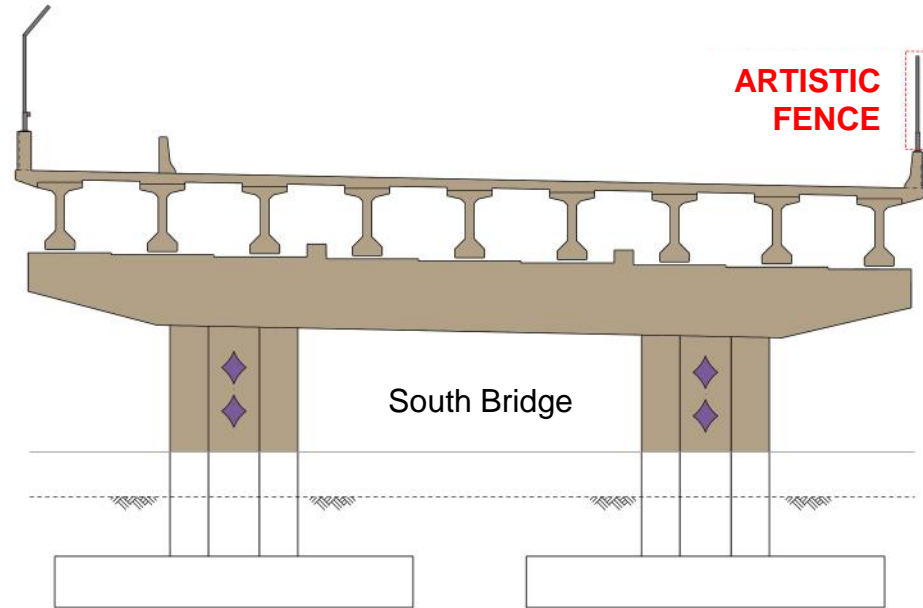
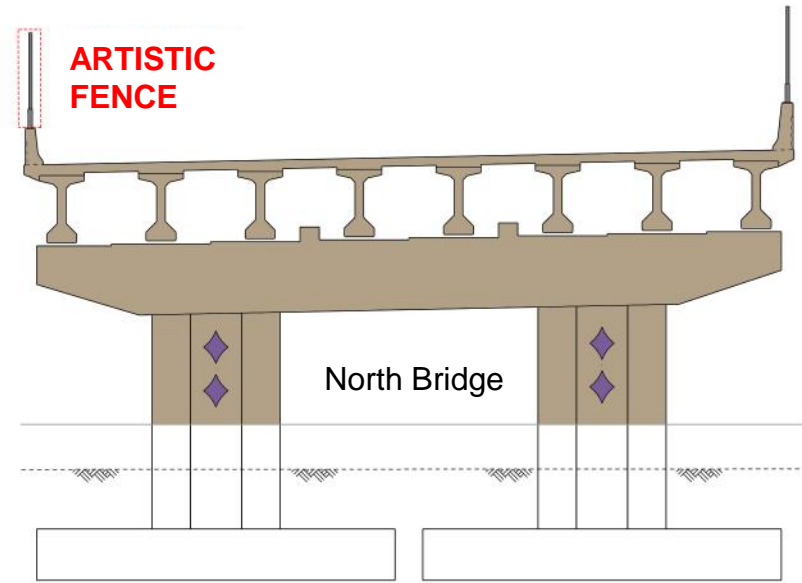
# Details: Fence Layers





# Design: Concrete Patterns on Bridge Columns

View from Happy Valley Road (looking east)





# Stay In Touch:

Construction scheduled for

**Fall 2018**

through

**Summer 2020**



# Stay Informed:

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