

# S100470, St. Michael's Drive Rail Trail Underpass

August 30, 2022, 6:00pm to 7:30pm

Virtual Public Meeting

City of Santa Fe Public Works Department

# VIRTUAL MEETING PROTOCOL

- During the "presentation" you will be muted with camera off
- During "questions" you will be invited to participate
  - Type questions in the Q&A Icon
  - Raise your hand to speak

# S100470, St. Michael's Drive Rail Trail Underpass

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# Agenda

Introductions

Project Overview and Schedule

Proposed Conceptual Design

- ADA Objectives
- Aesthetic Objectives
- Landscaping Objectives
- Lighting Objectives
- Security Objectives
- Other Design Objectives
- Construction Objectives

Comments & Questions

# Introductions

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## Design Team



Richard Rotto  
Project Engineer



Denise Aten  
Public Involvement



Romella Glorioso-Moss  
Project Manager

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## Meet our team



Regina Wheeler  
City of Santa Fe  
Public Works  
Director



Carol Romero-Wirth  
City of Santa Fe  
District 2  
Councilor

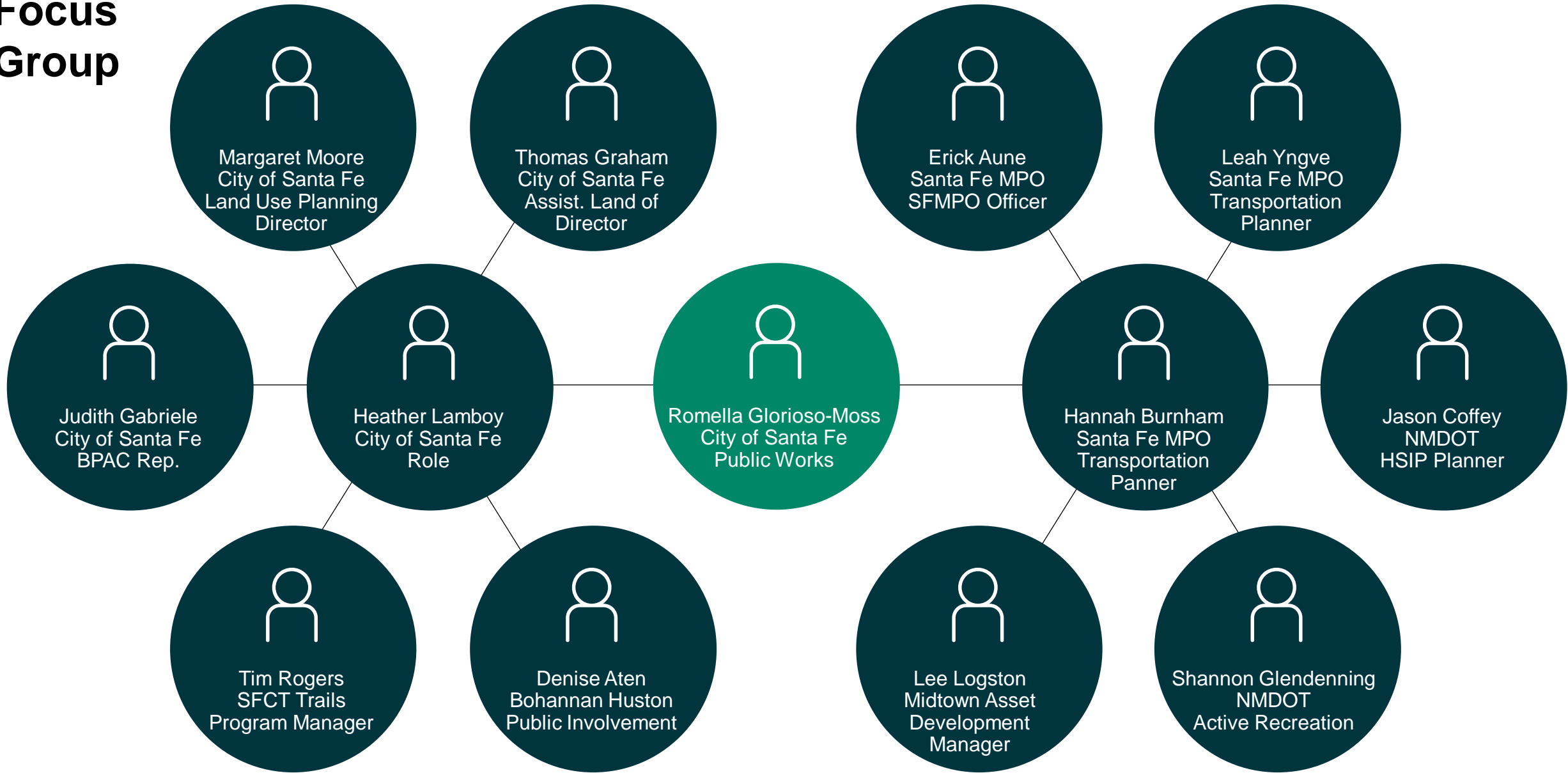


Michael Garcia  
City of Santa Fe  
District 2  
Councilor



Sharon Cruz  
NMDOT  
Tribal/LPA  
Coordinator

# Focus Group





## Focus Group Key Take-Aways

- Prefers a unique aesthetic for this trail, but still complementary to the Acequia Trail Underpass
- Ensure aesthetics and comfort for the trail users is prioritized
- Prefer to keep fencing and wall separate
- Prioritize lighting (natural and electric) to support safety and comfort for trail users



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## Focus Group Key Take-Aways

- Support skylight and blue lights in the underpass
- Request to keep (and improve) the at-grade crossing, in same location
- Consider connection to future nearby neighborhood trails



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# Public Meeting Objectives

- Project Introduction
- Conceptual Design
- Public Comment
- Next Steps



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# Project Introduction

# Existing Condition



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# Project Development

NMDOT Road Safety Audit (2014)

Significant operational issues identified.

Studied six alternatives:

1. Median refuge modifications
2. Rail Trail detour routes
3. Pedestrian hybrid beacon
4. Median modifications with signal
5. Overpass
6. Underpass



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# Project Development

## NMDOT Road Safety Audit (2015)

Additional RSA conducted to refine the analysis of the initial RSA.

1. Additional traffic analysis performed of roadway and rail operations.
2. More detailed analysis of three alternatives: 3A) hybrid beacon; 3B) pedestrian signal, and 6) underpass
3. Underpass was recommended



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## Request for Proposal (2020)

In 2020, City received federal funding of \$4,984,999 from Highway Safety Improvement Program (HSIP) under CN S100470 / CIP #501.

City issued an RFP in 2021 to select an engineer to design the underpass. The project would prioritize:

1. Safety
2. Maintenance
3. Aesthetics

AECOM as the selected consultant and executed a contract in November 2021.



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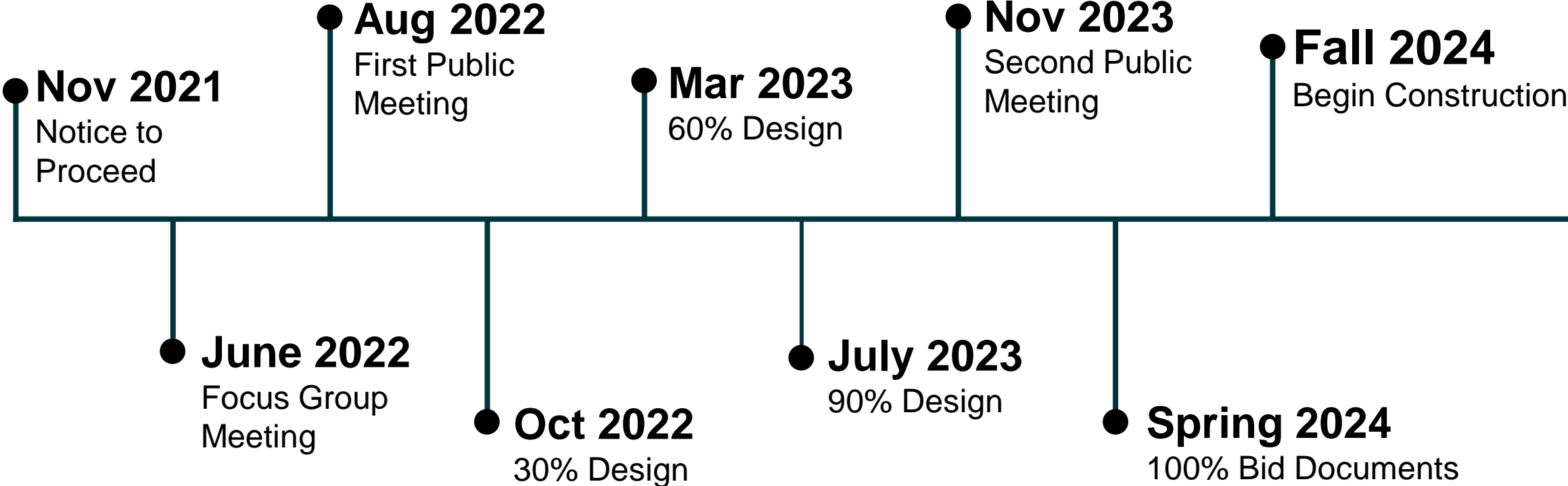
# AECOM's Pre-Design Activities

- Topographic Survey
- Subsurface Utility Engineering
- Conceptual Design
- Initial Focus Group Meeting
- Initial Public Meeting
- NMDOT Consultation
- Environmental Level of Effort
- Geotechnical Investigations



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# Project Schedule



# Proposed Conceptual Design

# Early Concept (Looking South)



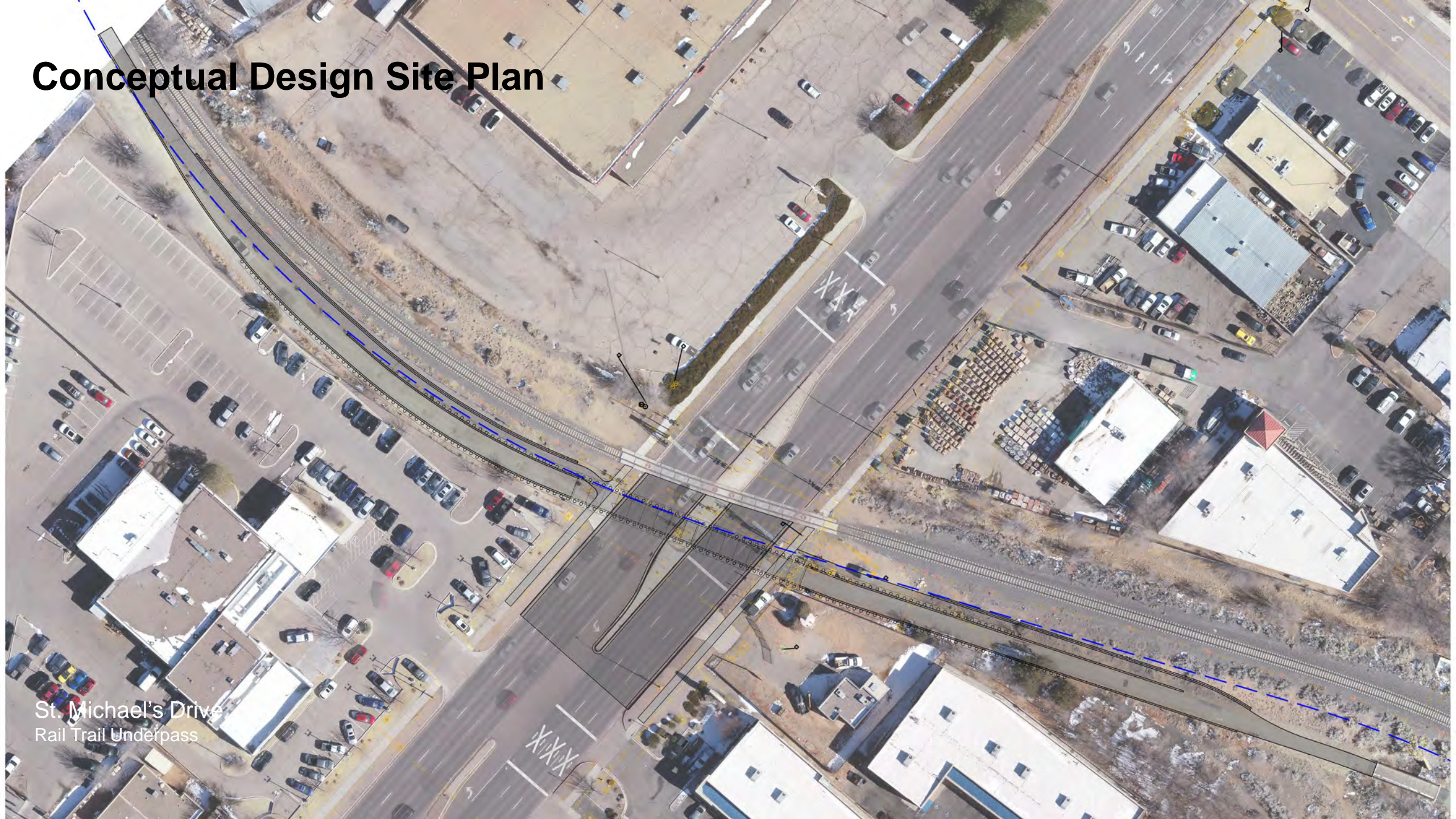
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# Early Concept (Looking North)



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# Conceptual Design Site Plan



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# Project Objectives

# ADA Objectives

- Trail Longitudinal Slope
  - 5% max without handrail
  - 8% max with handrail
- Trail Transverse Slope
  - 1.5% to 2%
- Sidewalk ADA Ramps (PROWAG)



Project Title  
Project description



## Aesthetics Objectives

- Prefer unique aesthetics for this underpass but still complementary to the Acequia Trail Underpass
- Aesthetic pedestrian railings
- Safety fence between trail and railroad tracks – Prioritize aesthetics and comfort for trail users
- Retaining wall aesthetics – artistic design and treatments
- Underpass aesthetics – prioritize lighting to support safety and comfort of trail users
- Anti-Graffiti Treatments/Mitigation



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# Landscaping Objectives

- Along Rail Trail within Project Limits
- Median Landscaping
- Sidewalk buffer landscaping
- City water supply
- Landscaping north of project up to Second Street under consideration



Project Title  
Project description

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# Lighting Objectives

- St. Michael's Drive Lighting (City/NMDOT Standard)
- Trail Lighting (Blue Lights on Timber Light Poles)
- Underpass Lighting (LED lighting and Natural Lighting)



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# Security Objectives

- Trail Lighting in Project Area
- Closed Circuit Security TV/Video
- Safety Fencing Between Trail and NMRX Railrunner
- 911 Emergency Call Boxes (Kiosks)



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## Other Design Objectives

- Intentional landscaping
- Green infrastructure
- Maximize artistic and aesthetic treatments to discourage graffiti and vandalism
- Maximizing open feeling
- Minimize maintenance from drainage issues



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# Construction Objectives

Minimize impacts to public during construction

- Top-down construction in lieu of bottom-up construction
- Nighttime construction in lieu of daytime construction
- Soldier pile foundation in lieu of shallow foundation
- Nighttime lane closures in lieu of daytime lane closures or detours
- Maintain all lanes open during the daytime peak hours



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# Questions/Comments

- Online Attendees

- Type questions via the “Q&A” icon
- Raise your hand to speak and host will unmute you

- Phone Attendees

- Host will ask if you want to speak
- Or text your input to 505-980-6065



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# Comments after the Meeting

Please share comments / questions with Denise Aten (by September 16th)

- **Email:** [StMichaelsRailTrailUnderpass@bhinc.com](mailto:StMichaelsRailTrailUnderpass@bhinc.com)
- **Phone:** 505-980-6065
- **Mail:** Attn: St. Michael's Rail Trail Underpass  
Bohannon Huston, Inc.  
7500 Jefferson Street NE  
Albuquerque, NM 87109

City of Santa Fe

Romella Glorioso-Moss, PhD, AICP

[rsglorioso-moss@santafenm.gov](mailto:rsglorioso-moss@santafenm.gov)

AECOM

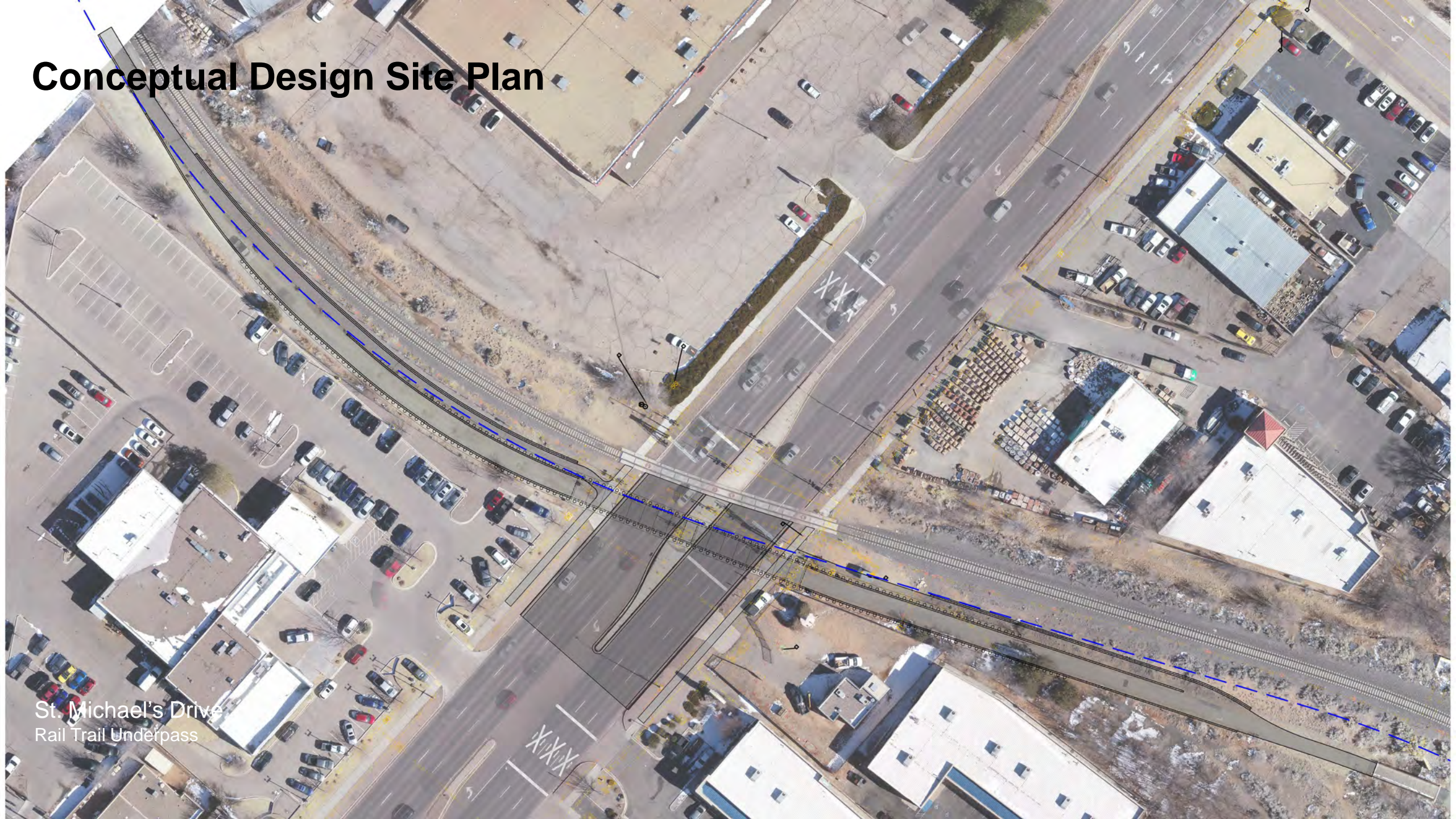
Richard Rotto, PE

[richard.rotto@aecom.com](mailto:richard.rotto@aecom.com)



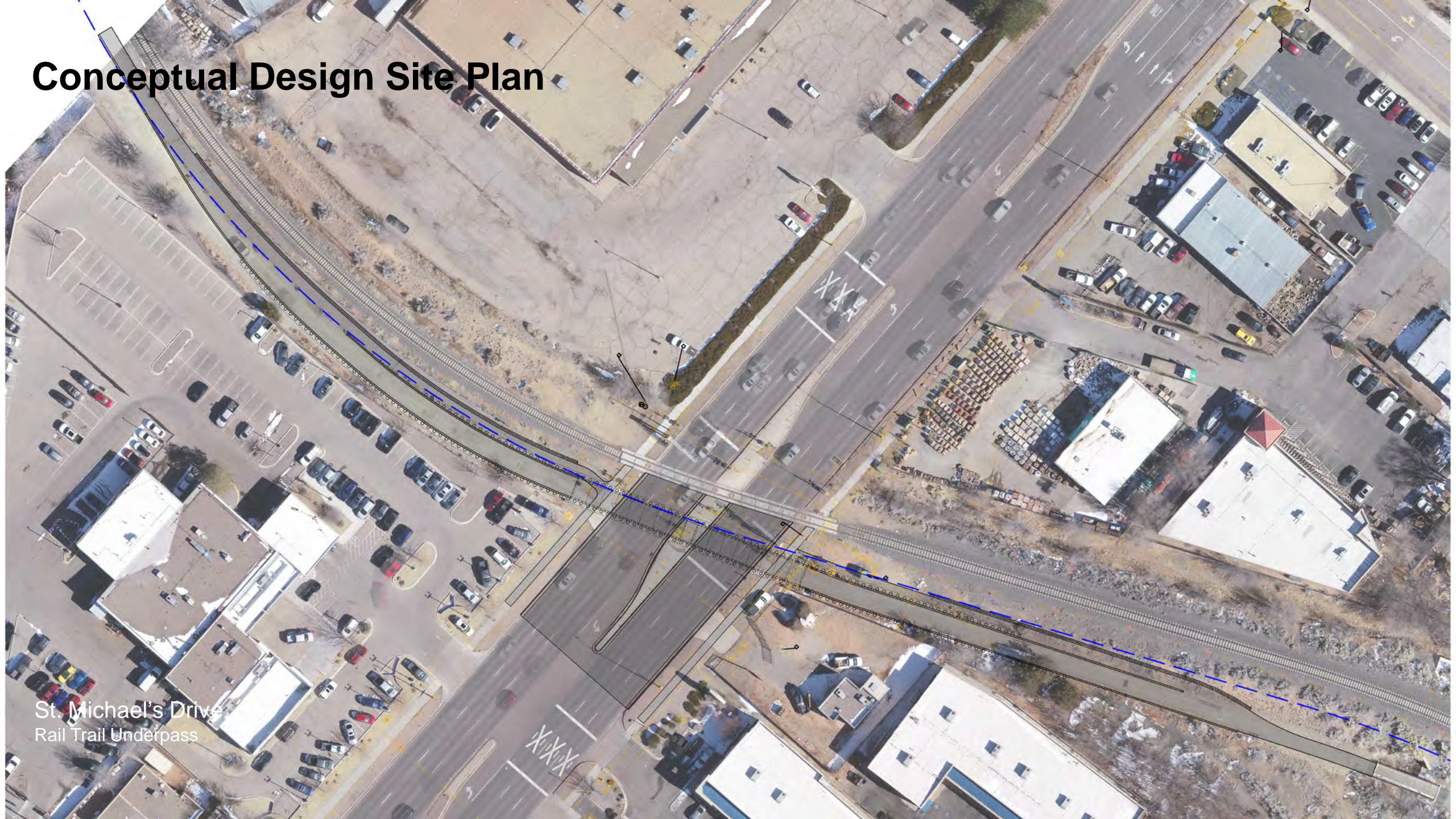
Thank you!

# Conceptual Design Site Plan



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# Conceptual Design Site Plan



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