



**South Dakota Department  
of Transportation**

# **U.S. Highway 16/16B/Catron Boulevard Interchange Construction**

**Project Location:** Rapid City

US16 PCNs: 09NU, 6874, 0AE7

**Date:** Tuesday, Aug. 4, 2026

**Presenters:**

Steve Palmer, SDDOT

Mike Carlson, SDDOT

# Purpose of the Meeting

Review project background  
and construction phases

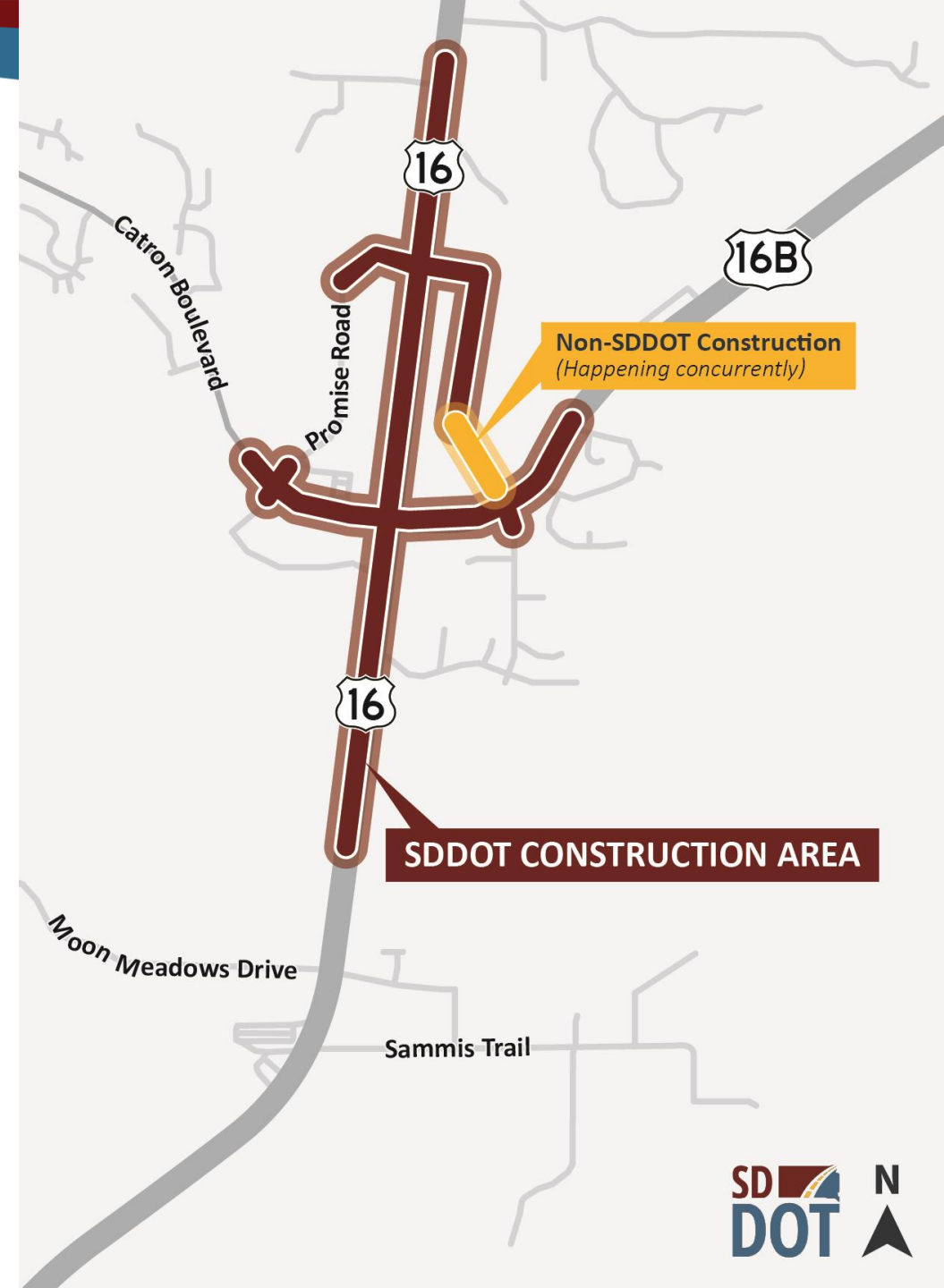
Provide information about  
upcoming projects

*Construction details for Project 1 are tentative and will be  
finalized later this year.*

# Project Area

**Intersection of U.S. Highway 16 and Promise Road:** grading, asphalt and portland cement concrete resurfacing, curb and gutter, storm sewer, lighting, signals, curb ramps and sidewalk.

**U.S. Highway 16 and U.S. Highway 16B Intersection:** reconstruction with portland cement concrete surfacing and single point urban interchange structure, median crossovers and traffic diversions.



# History

**2016**

Highway 16/16B/Catron Boulevard Intersection Study  
Alternatives Report



**2021**

US16 Corridor Study Technical Report



**2024**

Corridor Study Public Meeting

<https://dot.sd.gov/construction-projects/rapid-city-region/rapid-city-area/us-highway-16-corridor/>

# Project Purpose & Need

## Operations

Intersection **expected to operate at LOS F** by Year 2050 without additional improvements

Intersection is important to both regional and local networks for **commuters and tourists**

## Safety

**High crash rates**; 45 reported intersection crashes between 2021 and 2025 (16 injury crashes and 1 fatal crash)

**Weighted crash rate nearly 2.5 times higher** than the next highest intersection weighted crash rate within the sub-area

Crash rate, types, and locations **consistent with intersection congestion**, unexpected queue lengths, and **weather-related road conditions**

## Land Use

Rapid **urbanizing** land uses

This corridor is one of the **fastest growing areas** within the RCAMPO area

**Future development** expected to generate considerable amount of traffic and alter traffic patterns

# Proposed Improvements

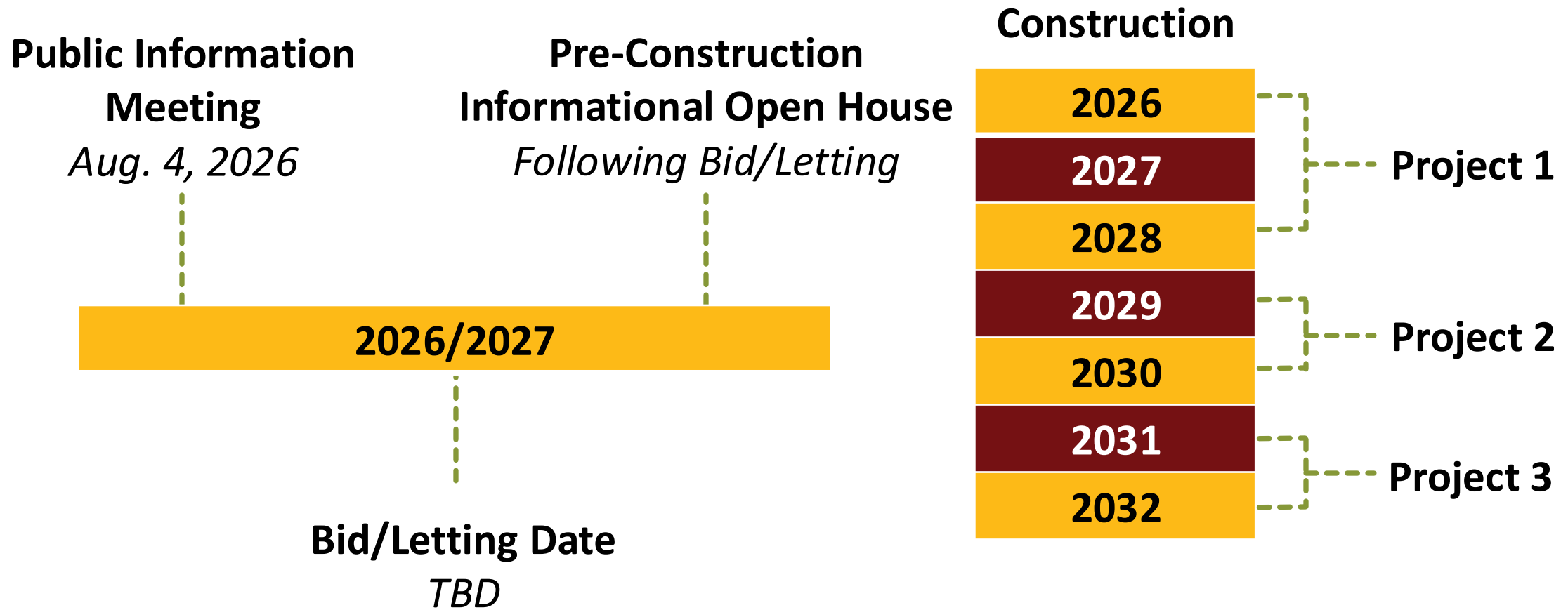
Conversion of Highway 16/  
16B/Catron Boulevard from at-  
grade intersection to Single Point  
Interchange

Improvement and expansion of  
sidewalks and shared-use  
pathways

Traffic signal installation at  
Promise Road and Highway 16

Highway 16 mainline and service  
road improvements

# Project Schedule



*These dates are tentative and subject to change.*



# Project 1

2026/2027 – 2028 (depending on bid/letting date)



*\*These dates are tentative and subject to change.*



# Project 2 (6874)

2029 – 2030



*\*These dates are tentative and subject to change.*



# Project 3 (0AE7)

2031 – 2032



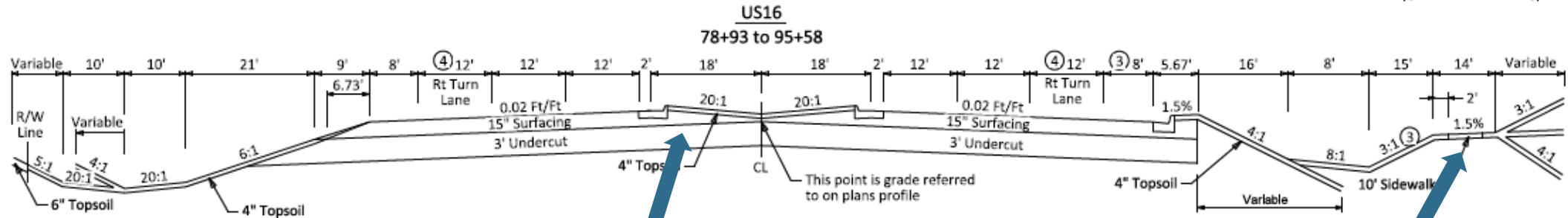
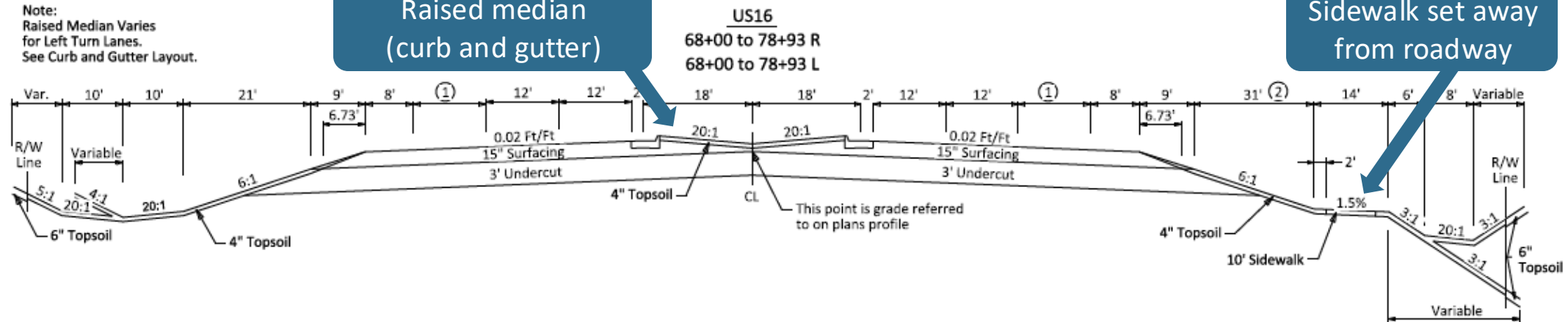
*\*These dates are tentative and subject to change.*

# Typical Grading Section

Note:  
Raised Median Varies  
for Left Turn Lanes.  
See Curb and Gutter Layout.

Raised median  
(curb and gutter)

Sidewalk set away  
from roadway



Raised median  
(curb and gutter)

Sidewalk set away  
from roadway



| LEGEND                                                                              |                                                                                                                                                              |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | PHASE 1<br>- TEMPORARY Crossovers of US HWY 16<br>- TEMPORARY ROADWAY WIDENING OF US HWY 16<br>- ADDISON AVE AND EAST PROMISE RD<br>- TEMPORARY RAMP GRADING |
|  | PHASE 2A<br>- NORTHBOUND LANES OF US HWY 16<br>- TABLEROCK RD<br>- PROMISE RD<br>- US16 SERVICE ROAD                                                         |
|  | PHASE 2B<br>- PROMISE RD AND US 16 SERVICE RD TIE IN<br>- TABLEROCK RD TIE IN                                                                                |
|  | PHASE 2C<br>- TABLEROCK RD TEMPORARY ACCESS REMOVAL                                                                                                          |
|  | PHASE 3A<br>- SOUTHBOUND LANES OF US HWY 16<br>- TEMPORARY PROMISE RD TIE IN TO MAINLINE US HWY 16<br>- FOX RD INTERSECTION                                  |
|  | PHASE 3B<br>- PROMISE RD TIE IN TO MAINLINE US HWY 16<br>- FOX RD INTERSECTION                                                                               |
|  | PHASE 3C<br>- US 16 SERVICE RD 90 DEGREE TIE IN                                                                                                              |
|  | PHASE 4<br>- US16 HWY 16 MEDIAN SURFACING<br>- TEMPORARY SURFACING REMOVAL                                                                                   |
|  | EXISTING BUSINESS                                                                                                                                            |

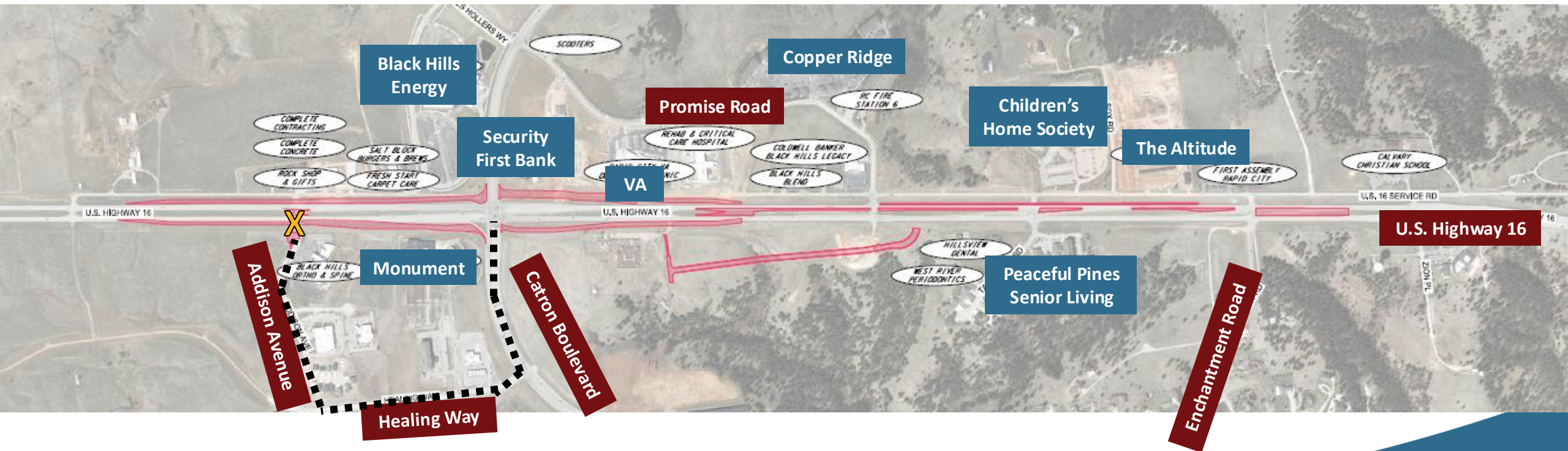


*Work completed within each phase is subject to change.*

# Phase 1

*Work areas and details are tentative and subject to change.*

- Temporary widening of Highway 16
- Temporary crossovers of Highway 16
- Addison Avenue permanent closure
- East Promise Road grading
- Temporary ramp grading



## Access:

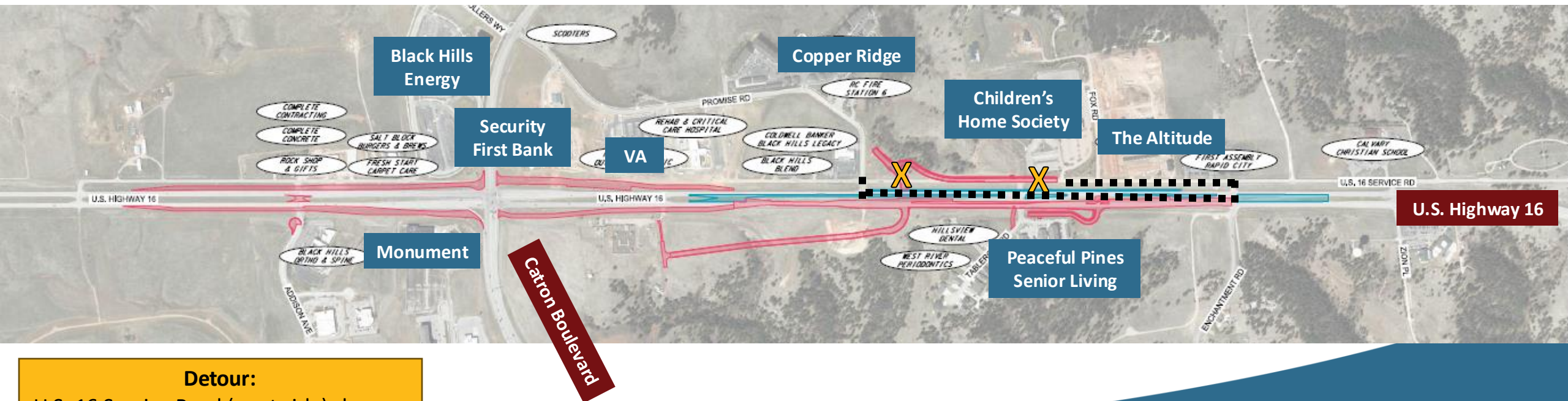
Addison Avenue permanent closure;  
access via Catron Boulevard/Healing Way



# Phase 2A

*Work areas and details are tentative and subject to change.*

- Northbound lanes of Highway 16 under construction, two-way traffic in southbound lanes
- Promise Road grading



## Detour:

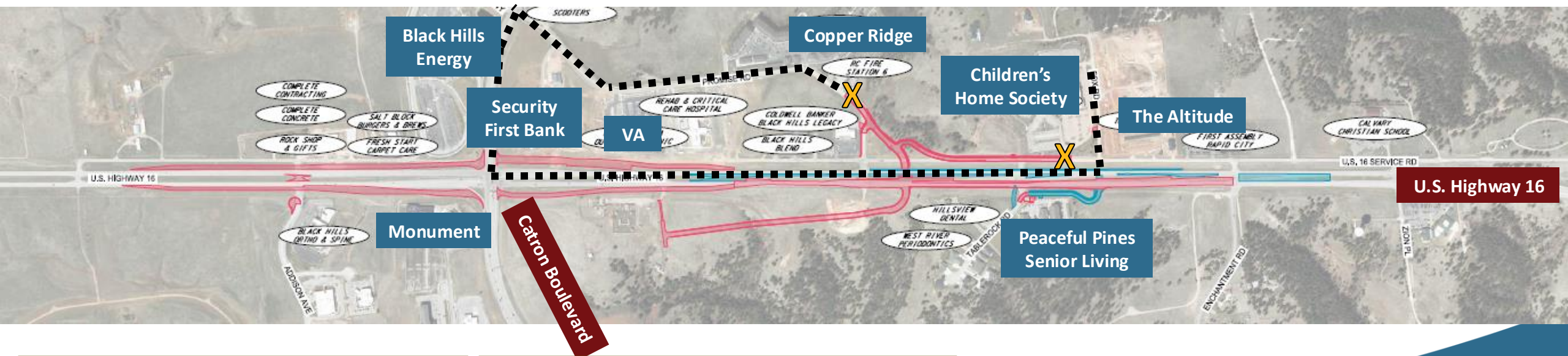
U.S. 16 Service Road (west side) closure;  
detour on Highway 16/Promise Road



# Phase 2B

*Work areas and details are tentative and subject to change.*

- Promise Road and Highway 16 Service Road tie in



## **Detour:**

Children's Home Society approach closure;  
detour on Fox Road

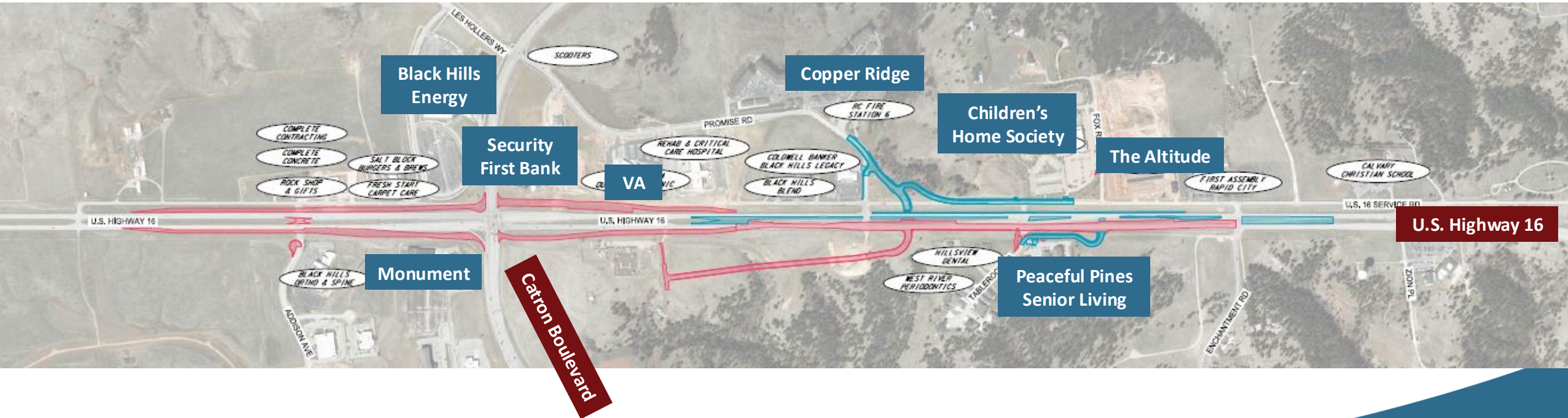
## **Detour:**

North end of Promise Road closure; detour on  
Highway 16/Catron/Promise Road to south

# Phase 2C

*Work areas and details are tentative and subject to change.*

- Tablerock Road temporary detour removal

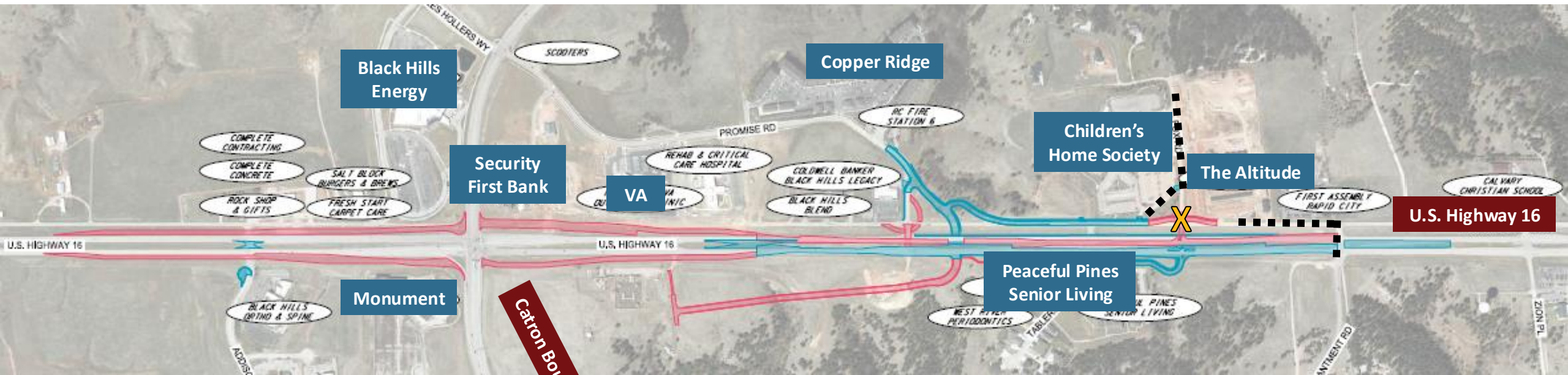




# Phase 3A

*Work areas and details are tentative and subject to change.*

- Southbound lanes of Highway 16 under construction, two-way traffic in northbound lanes



## Detour:

Fox Road intersection closure; detour on alternative approach and CHS parking lot

## Access:

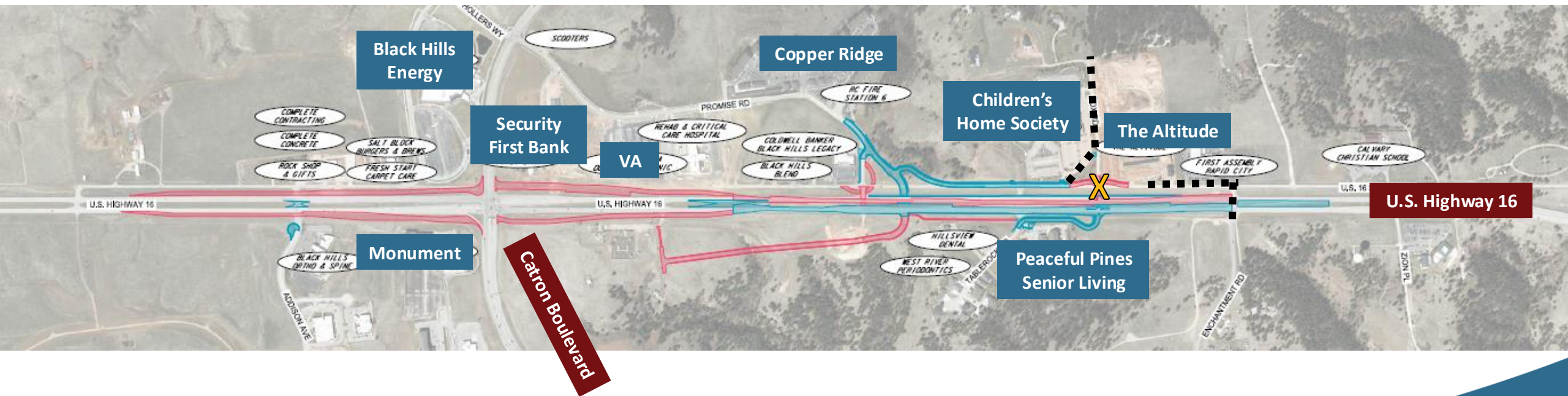
The Altitude access to Fox Road temporarily closed; utilize Service Road approach



# Phase 3B

*Work areas and details are tentative and subject to change.*

- Promise Road intersection work



## Detour:

Fox Road intersection closure; detour on alternative approach and CHS parking lot

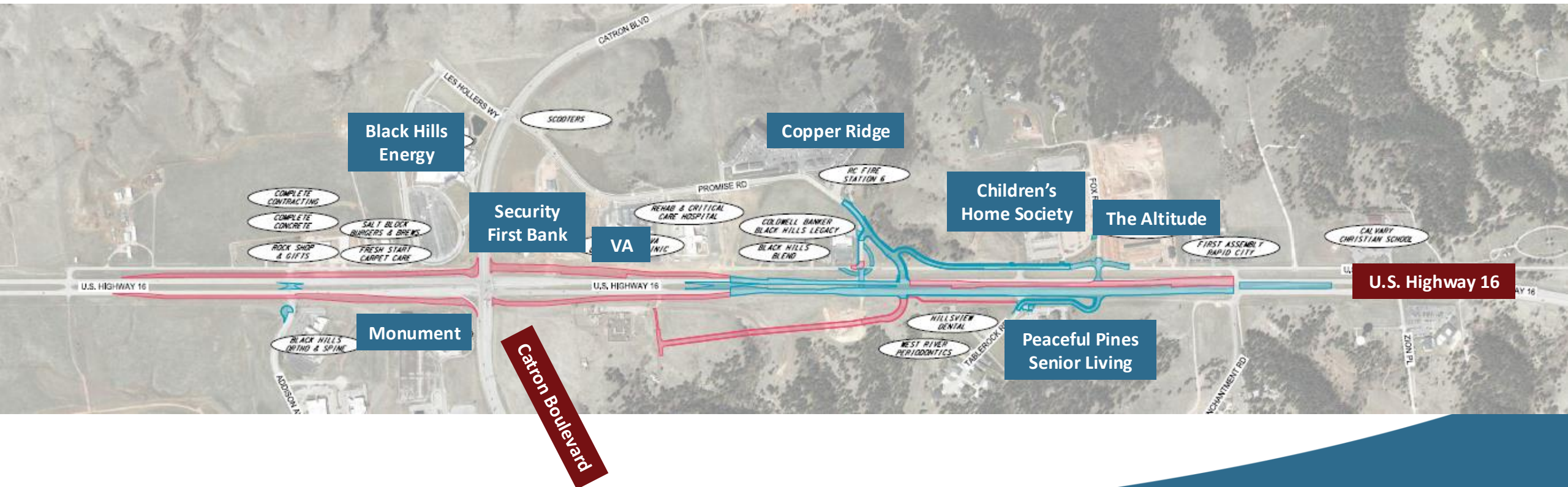
## Access:

The Altitude access to Fox Road temporarily closed; utilize Service Road approach

# Phase 3C

*Work areas and details are tentative and subject to change.*

- Highway 16 Service Road tie in

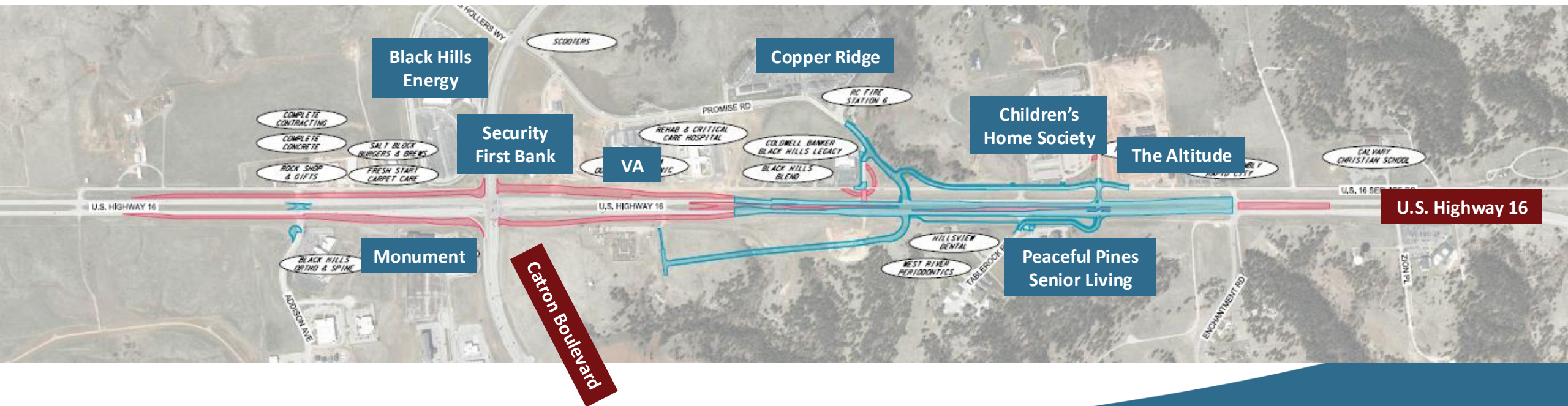




# Phase 4

*Work areas and details are tentative and subject to change.*

- Highway 16 median surfacing
- Temporary surfacing removal





# Additional Construction Impacts

## *Project 1*

Lane Closures

Traffic Control

Delays

Reduced  
Speeds

Noise

Dust

Vibrations

Heavy/Slow  
Machinery



**Monday – Saturday  
During daylight hours**

# Work Zone Safety

- Slow down
- Be aware of active construction areas
- Pay attention to the task at hand
- Utilize detours

# Communications Plan

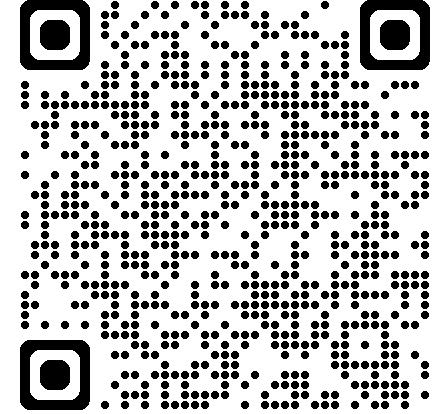
Project Contact:  
Steve Palmer

Project Website with Monthly Updates

Monthly Email Newsletter

Text-In Service

Social Media



<https://dot.sd.gov/construction-projects/rapid-city-region/rapid-city-area/us-highway-16-corridor/>

## Sign Up for Text Notifications:

For updates on major traffic changes, subscribe to a free text-in service. To subscribe, simply text **us16corridor** to 605-566-4041. Subscribers can unsubscribe at any time.



**THANK YOU!**