



ROAD  
DEPARTMENT

# **HUNNELL ROAD: LOCO ROAD TO TUMALO ROAD IMPROVEMENT**

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VIRTUAL PRESENTATION

NOVEMBER 18, 2020

- INTRODUCTION

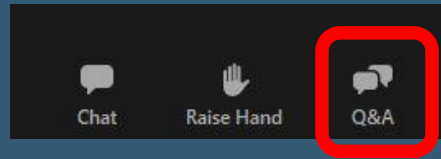
- Chris Doty, Road Department Director

- Cody Smith, County Engineer

- AGENDA
  - Ground Rules/Zoom Meeting Protocols
  - Project Purpose & Need
  - Project Scope
  - Efforts to Date
  - Current Concept Plan
  - Schedule
  - Question and Answer

## COMMUNICATION OPTIONS

- Use the “Q&A” feature to ask questions during the presentation.

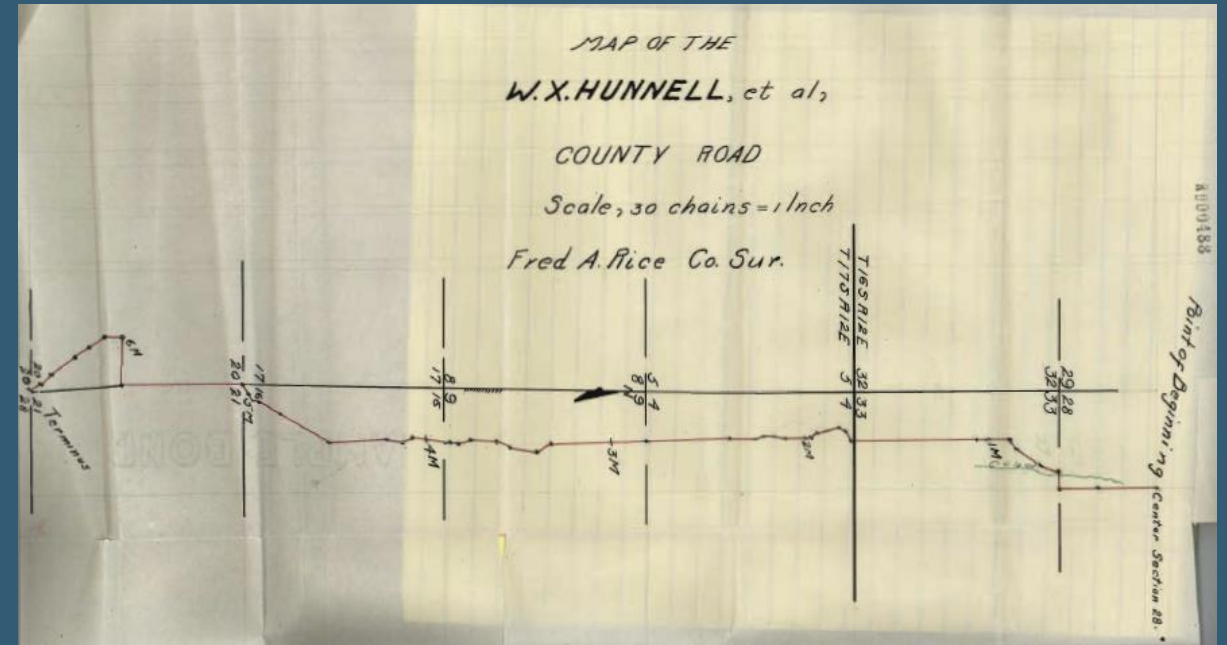


- We will publish questions/answers from presentation to website: [www.deschutes.org/hunnell](http://www.deschutes.org/hunnell)
- Email questions or other information to: [hunnellroad@deschutes.org](mailto:hunnellroad@deschutes.org)

# • PROJECT PURPOSE & NEED

## • Brief History of Hunnell Road

- Established in Crook County as the W.X. Hunnell Road in 1914.
- Connected the 1908 G.W. Horner Rd (aka 1913 Laidlaw & Powell Butte Grade, aka 1926 Nichols Market Rd, present-day Tumalo Rd) to the 1908 Ovid W.B. Riley Rd (present-day Hobby Lobby location).
- Segment south of Cooley Rd vacated in 1997.



- PROJECT PURPOSE & NEED

- Brief History of Hunnell Road

- 1972 – 2005 – Numerous requests and petitions by residents to County to improve Hunnell Road

- Examples

- 1972 – Residents petitioned County to pave the 0.2 mile segment south of Tumalo Rd.
  - 1981 – Residents petitioned County to improve Hunnell Road “to County specifications” between Rogers Rd and 0.6 mile north of Roger Rd.
  - 1983 - Formation of Local Improvement District contemplated
  - 1988 – Request to address safety concerns north of Rogers Road
  - 1994 - Residents petitioned County to improve Hunnell Road “to County specifications” between Rogers Rd and 0.5 mile north of Roger Rd.
  - 2005 – Residential developers requesting that Hunnell Road between Rogers Road and Cooley Road be constructed
- In that time, the Road Department and previous Boards of County Commissioners considered improvement of Hunnell Road, but did not proceed due to other priorities and insufficient funding

- PROJECT PURPOSE & NEED

- *Transportation System Plan (TSP)*

- Plan required by State of Oregon for cities and counties that
  - Describes the jurisdiction's transportation system
  - Outlines projects and policies to meet transportation needs over a 20-year period

- Deschutes County Transportation System Plan

- 1998 TSP Update

- Hunnell Road between Tumalo Road and Bend UGB designated as a *collector*

- 2012 TSP Update

- High Priority Projects

- Improvement of Hunnell Road between Tumalo Road and Rogers Road
- Construction of Hunnell Road between Rogers Road and Cooley Road

- PROJECT PURPOSE & NEED

- City of Bend

- Transportation System Plan

- 2020 TSP Update

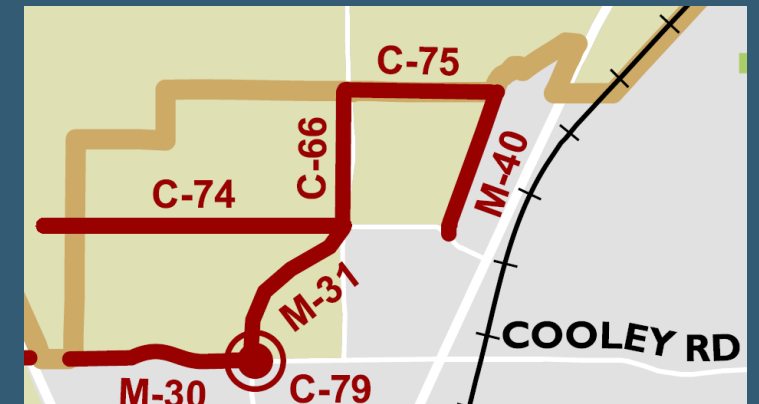
- Hunnell Road between Loco Road and UGB designated as a *collector*

- Expansion-Driven Projects

- C-66 - Hunnell Road Extension – Construct a two-lane north-south collector roadway between Loco Road and the UGB boundary

- M-31 - Hunnell Road rural road upgrade and realignment – Construct new collector along “S curve” alignment from Cooley Rd at Hunnell Road (south Hunnell leg, adjacent to Les Schwab Tire Center) to Hunnell Road at Loco Road

- C-79 – Hunnell Road/Cooley Road roundabout





- PROJECT PURPOSE & NEED

- Hunnell Road = *Collector Road*

- Distributes traffic from lower functional class roads (local roads) to higher functional class roads (arterial roads and principal highways)
- Provide for circulation in residential neighborhoods
- Provide a blend of access and mobility.
- Spaced at intervals to collect traffic from local roads and provide all developed areas a reasonable distance from a collector road.
- Terminate at intersections with other collector roads or higher-order roads (arterials, principal highways)



- PROJECT PURPOSE & NEED

- Hunnell Road = *Collector Road*

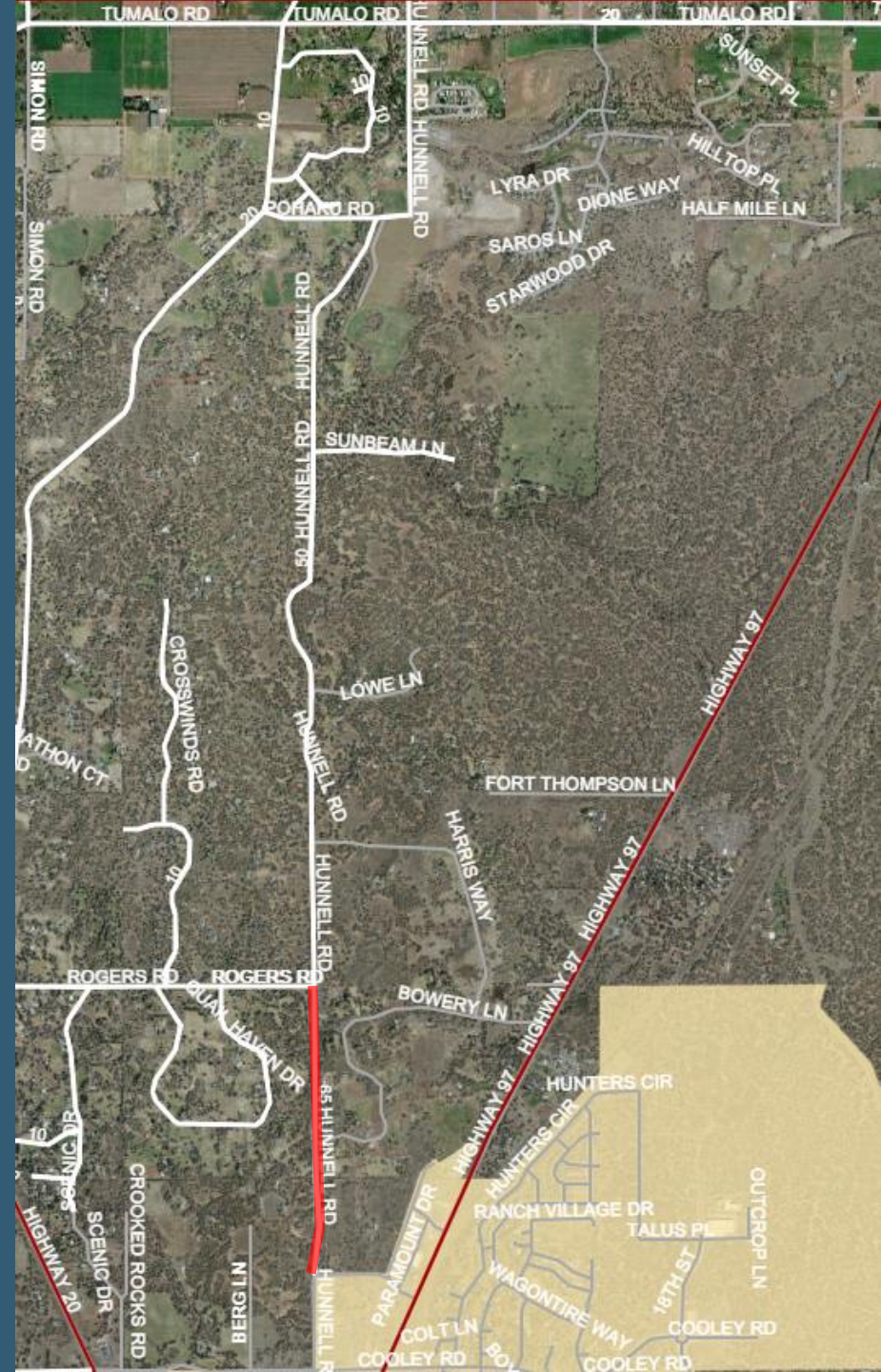
- Collects traffic from
  - Local Roads
    - Bowery Lane
    - Lowe Lane
    - Sunbeam Lane
    - Pohaku Road
    - Mitchell Lane
  - Adjacent properties
- Distributes traffic to
  - Principal Highways
    - US 97 (via Tumalo Road)
  - Arterial Roads
    - Cooley Road
    - Old Bend Redmond Highway (via Rogers Rd and Tumalo Rd)
- Serves approximately 110 properties
- 2019 traffic = approx. 400 vehicles per day (south of Tumalo Road)
- 2040 projected traffic (From Bend MPO Model)
  - Approx. 900 vehicles per day (south of Pohaku Road)
  - Approx. 1,100 vehicles per day (south of Rogers Road)



- PROJECT PURPOSE & NEED

- Current Conditions

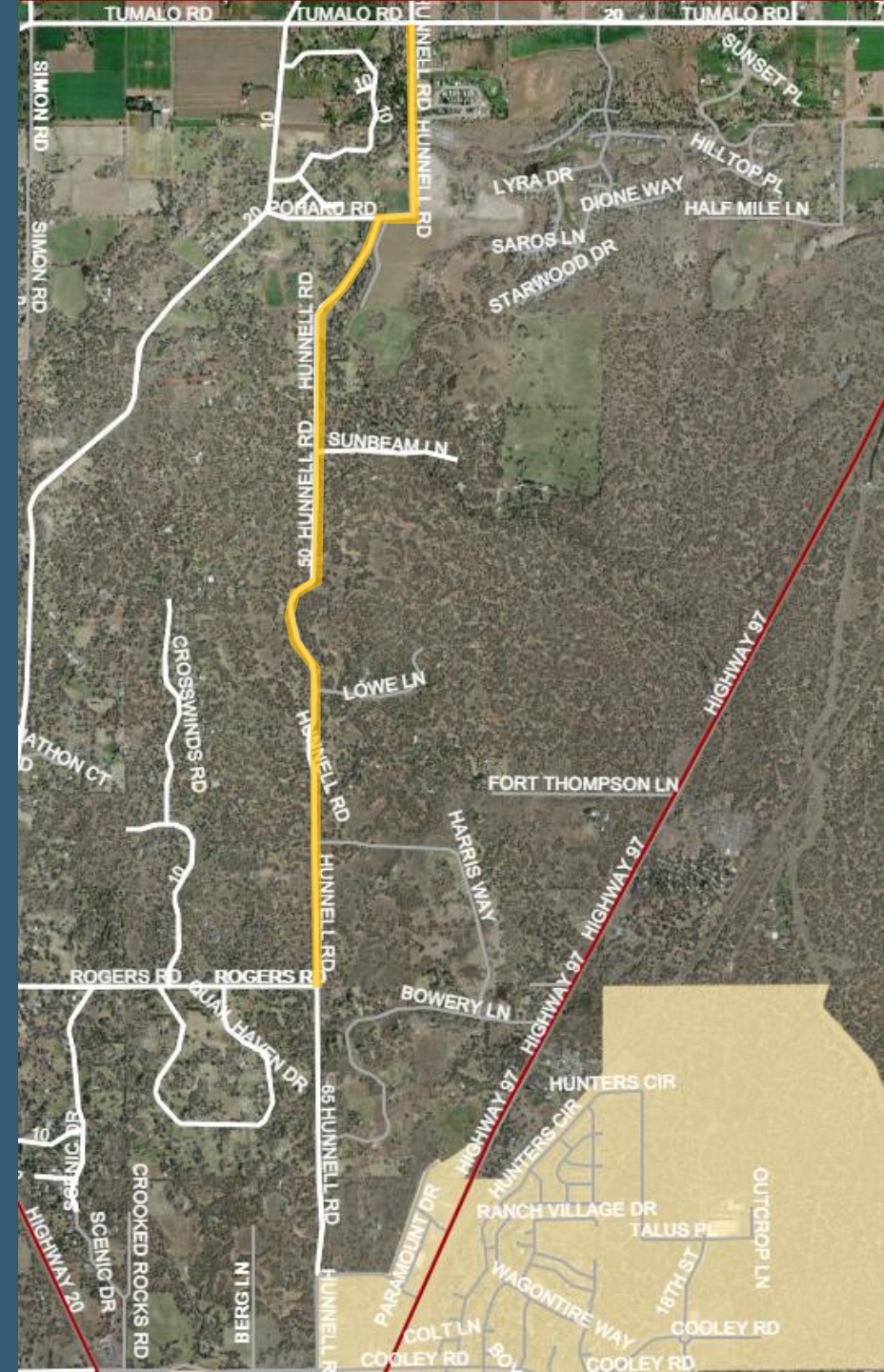
- Loco Road to Rogers Road (0.7 mi. length)
  - Unimproved dirt road
  - Portions only passable with high-clearance vehicles



- PROJECT PURPOSE & NEED

- Current Conditions

- Rogers Road to Tumalo Road (2.6 mi. length)
  - Various levels of improvement and connectivity
  - Sharp curves

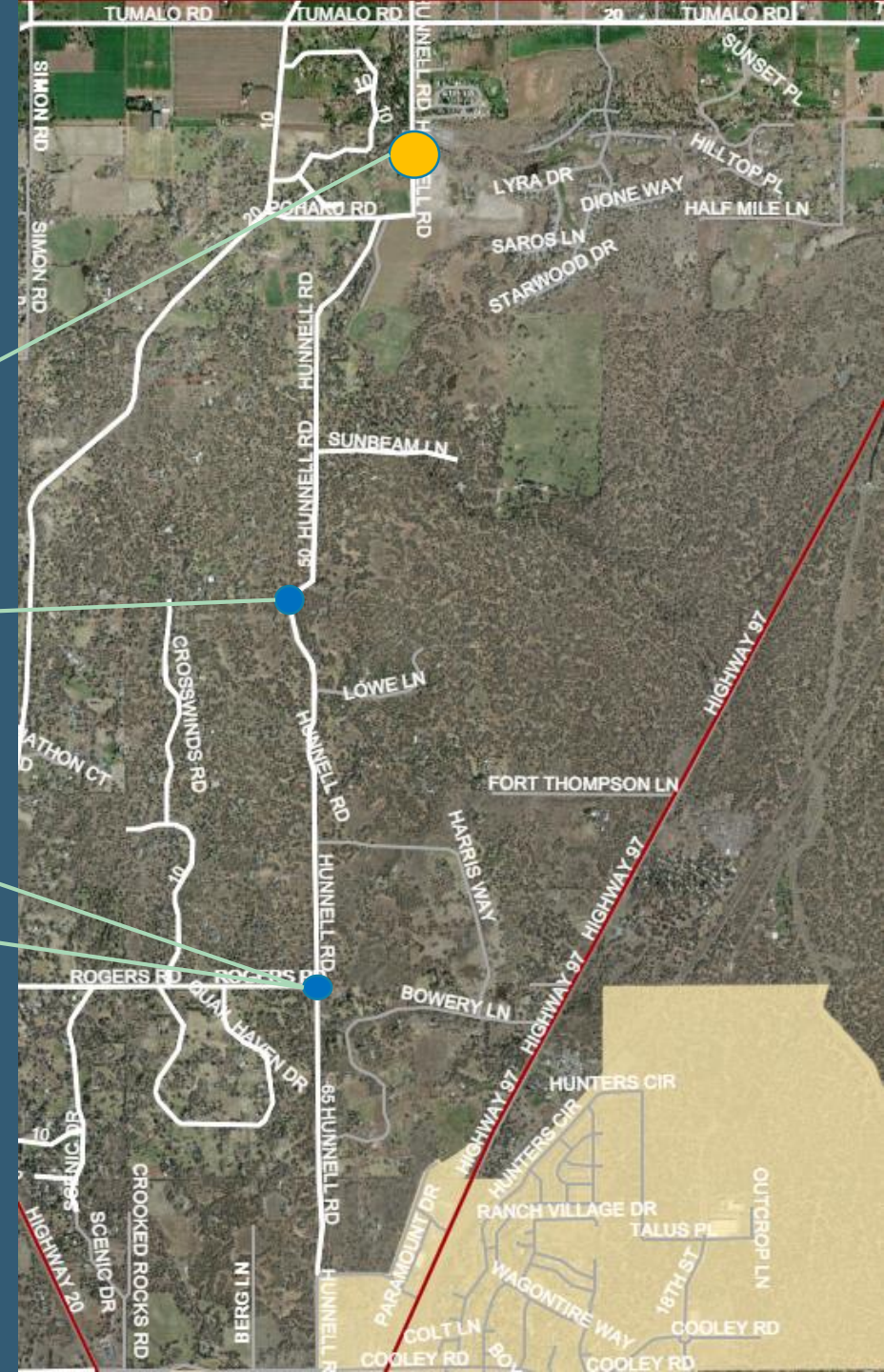


# • PROJECT PURPOSE & NEED

## • Crash History (2014-2018)

### 4 Reported Crashes

- 2014
  - Fixed Object, Minor Injury
  - Fixed Object, Property Damage Only
- 2015
  - Fixed Object, Property Damage Only
- 2016
  - Fixed Object, Property Damage Only



- PROJECT SCOPE OF WORK

- Constructing and improving the roadway to meet minimum collector road standards regarding roadway geometry.
- Implementing traffic calming measures to reduce speed and maintain community livability.
- Improving intersection safety through the corridor.
- Improving access for emergency services.
- Removing roadside hazards.

- EFFORTS TO DATE

- 2012 – TSP identifies High Priority projects
- 2017 – HB 2017
  - Increase to State gas tax ⇒ expanded County capital project delivery
- 2019 – FY 2020 Budget,
  - ODOT INFRA Grant application (\$60M awarded to ODOT for US 97 Bend North Corridor Project)
- February 2020 – Letter sent to property owners adjacent to Hunnell Road regarding survey work
- February 2020 – Today
  - Topographic and boundary retracement survey
  - Preliminary design
  - Coordination with utilities/irrigation district

- EFFORTS TO DATE

- Property Owner Concerns

- Increase in speed
    - Increase in volume
    - Bicycle/pedestrian safety
    - Detracting from rural character of community
    - Decrease in property value



- EFFORTS TO DATE

- Hunnell United Neighbors (HUNS)

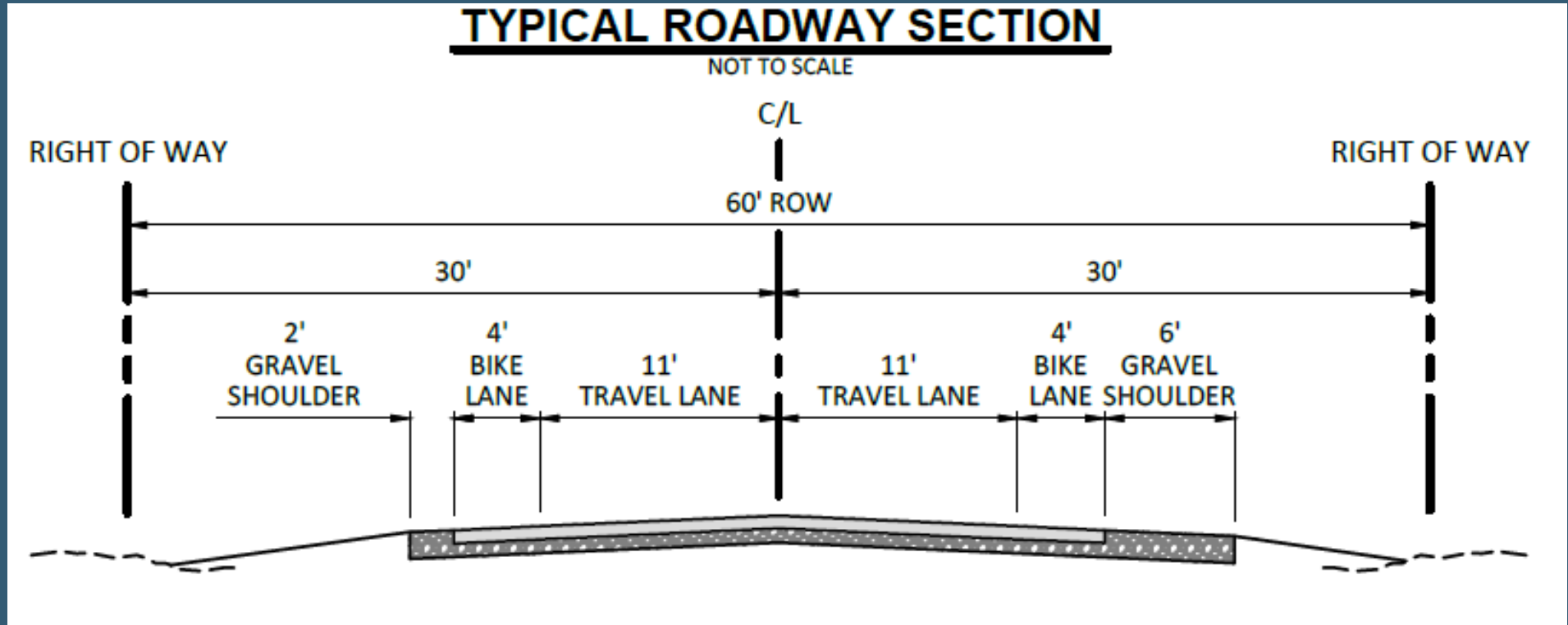
- A significant amount of dialogue with the HUNS throughout the summer/fall.

- Well documented on the HUNS website: [www.Hunnell.org](http://www.Hunnell.org)

- Issues raised:

- Project justification
- Speed limit
- Traffic volume
- Road width
- Curve geometry
- Place for pedestrians
- Cut-thru traffic concerns
- Traffic calming
- Opposition to any commercial wayfinding signage
- Opposition to turn lanes at Tumalo Road
- Commercial truck traffic

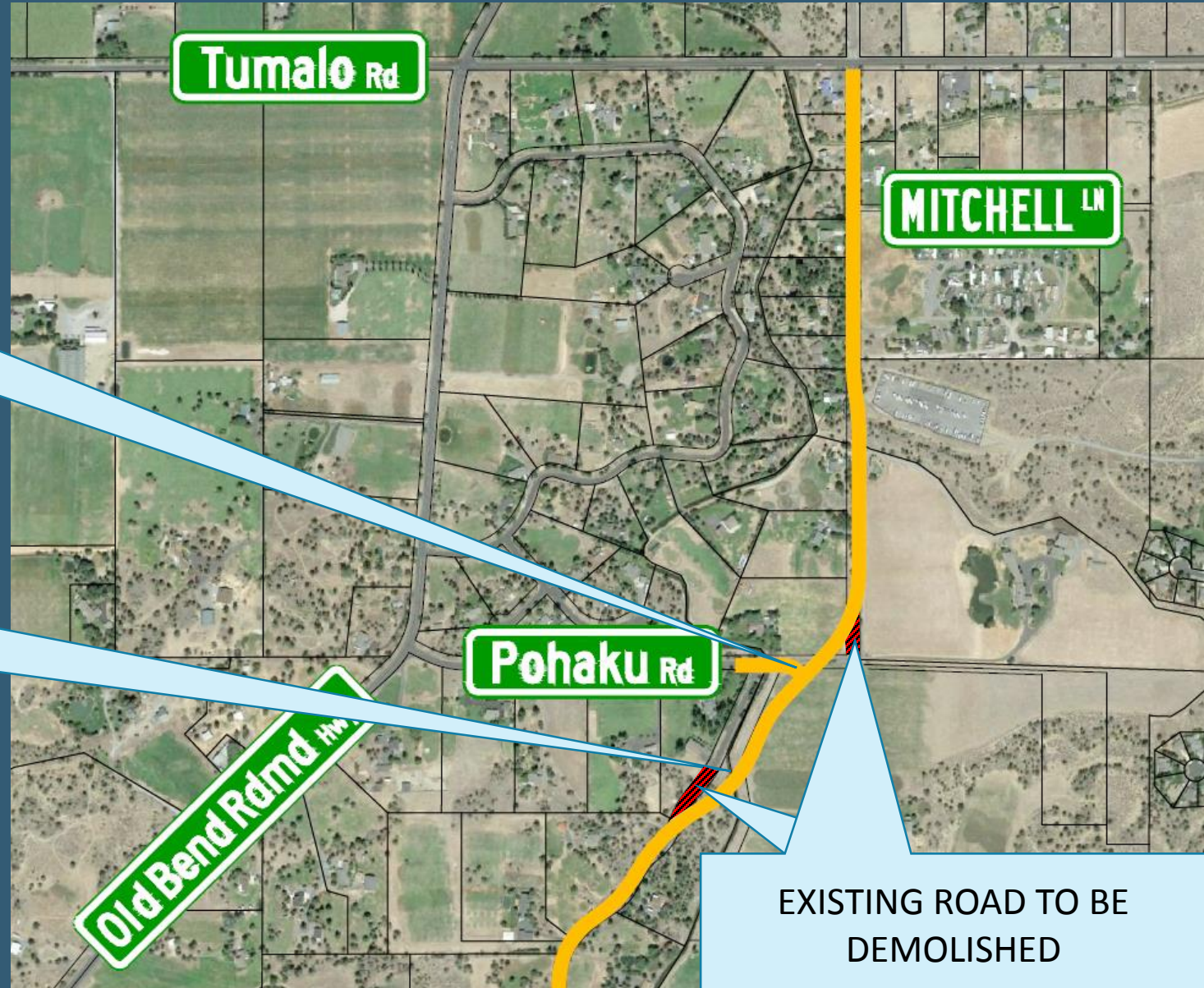
- CURRENT CONCEPT PLAN



- CURRENT CONCEPT PLAN

IMPROVED ROADWAY  
ALIGNMENT @ POHAKU  
INTERSECTION

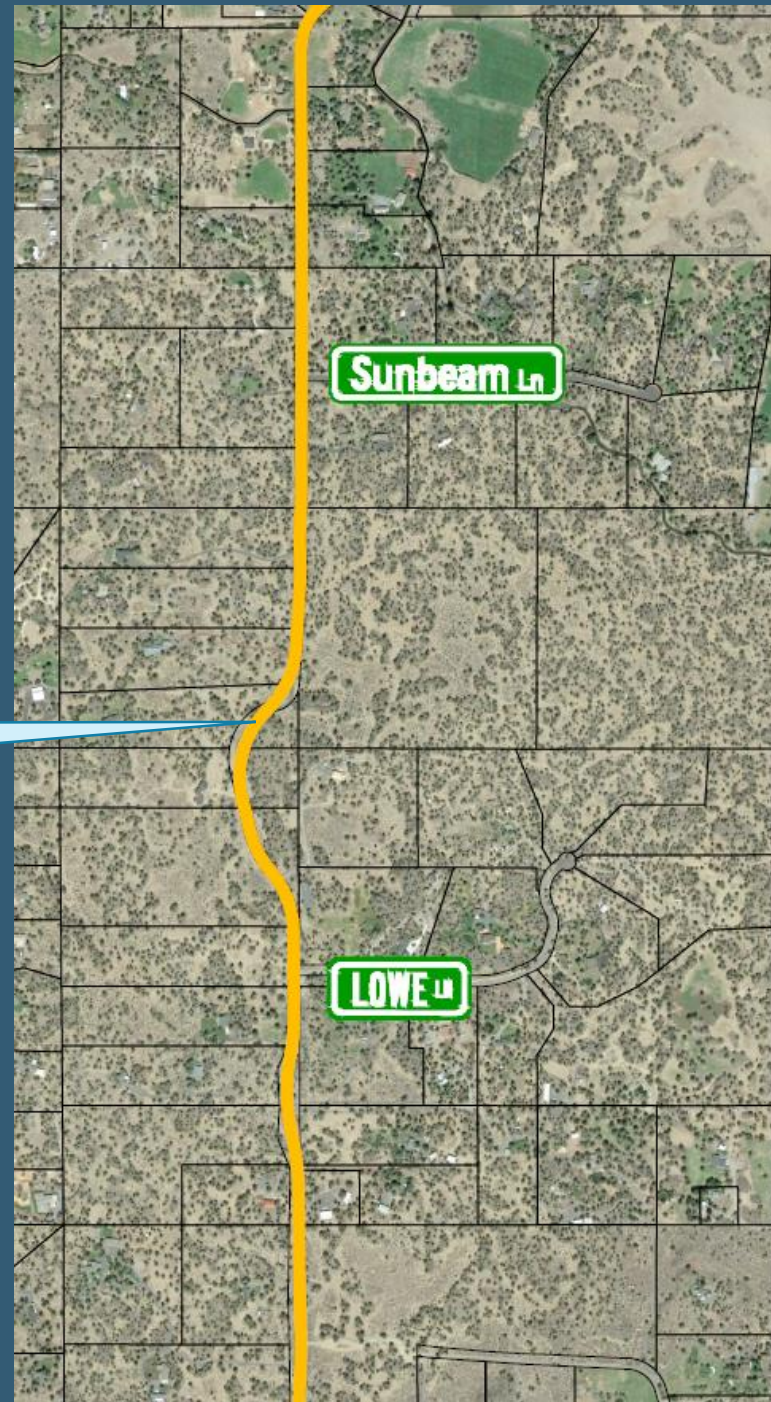
NEW CANAL CROSSING



EXISTING ROAD TO BE  
DEMOLISHED

- CURRENT CONCEPT PLAN

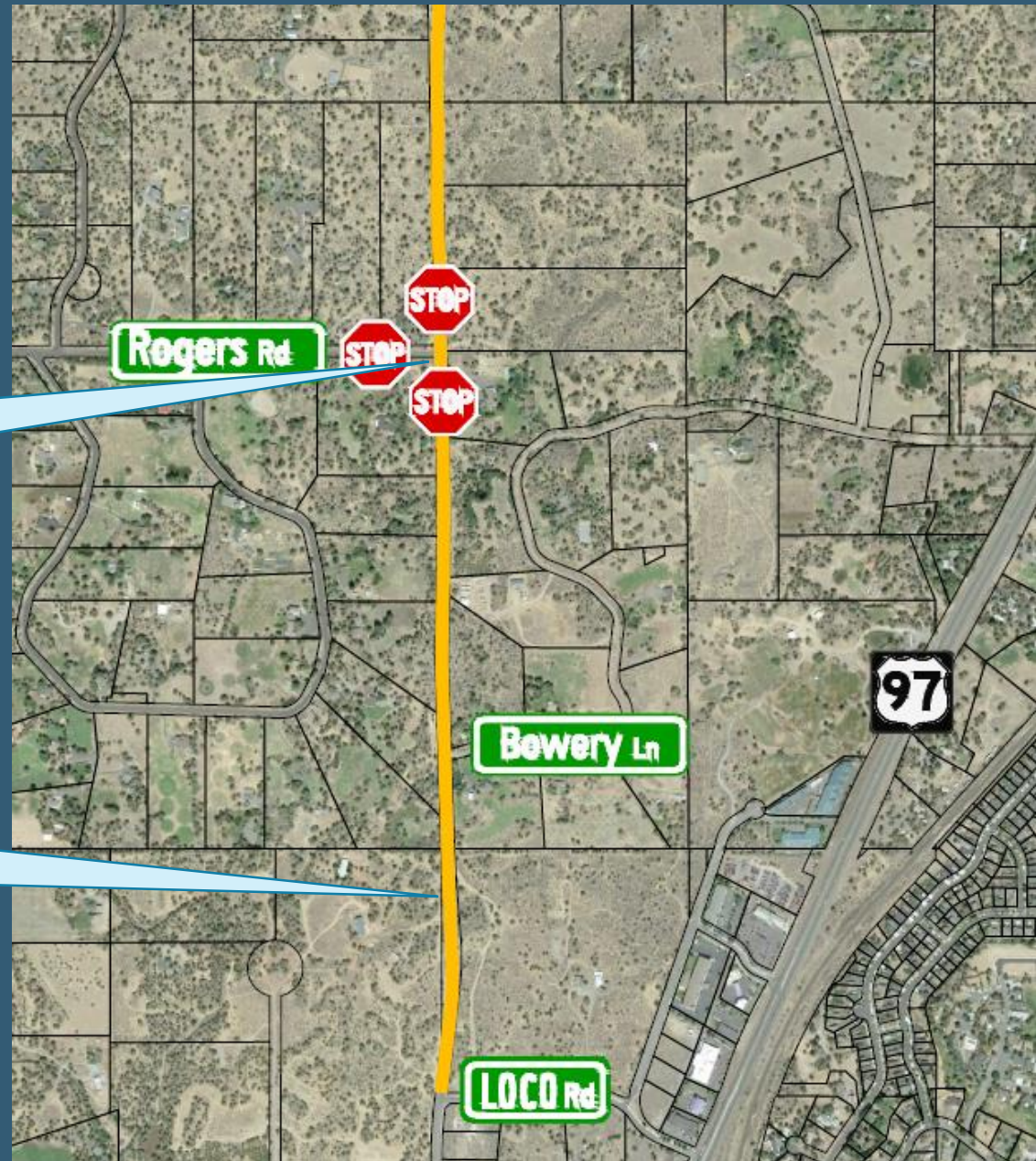
IMPROVED ROADWAY  
ALIGNMENT @ CURVE  
SOUTH OF SUNBEAM LANE



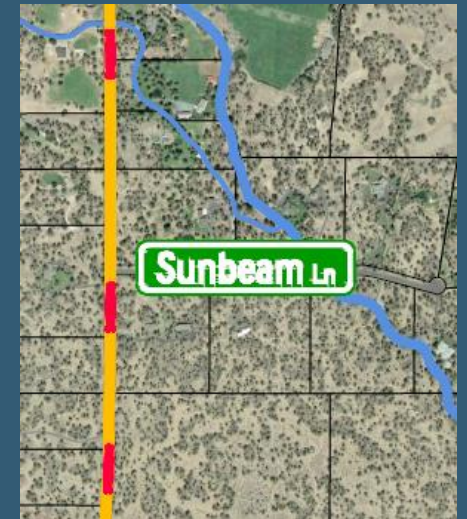
- CURRENT CONCEPT PLAN

ALL WAY STOP @ ROGERS ROAD

CONNECTION SOUTH OF BOWERY LANE

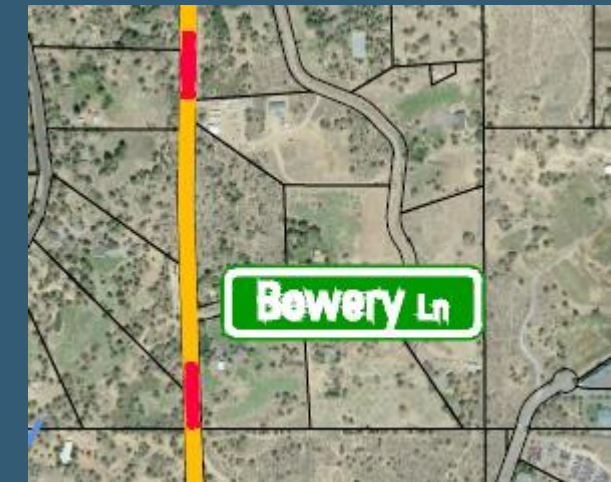
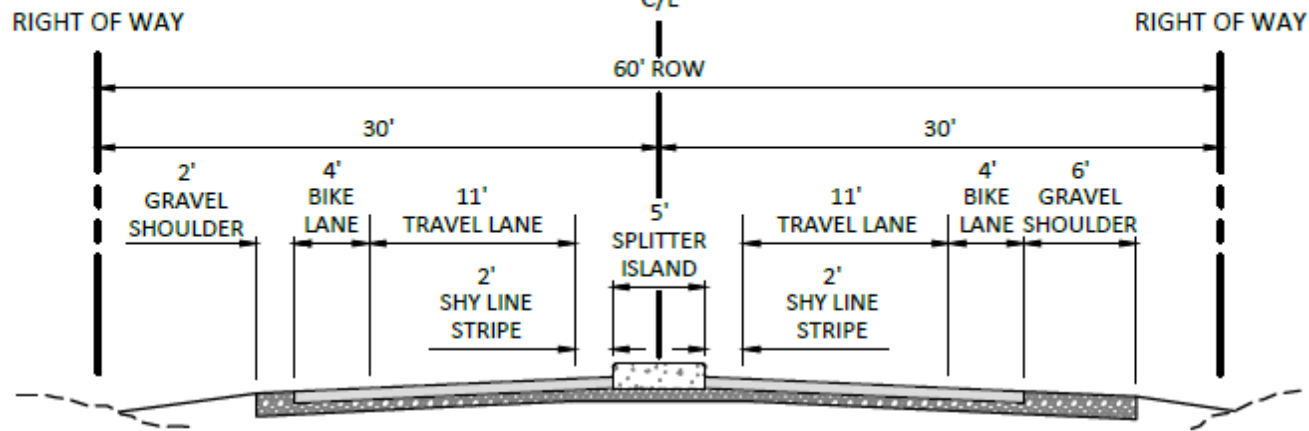


- CURRENT CONCEPT PLAN



### RAISED MEDIAN ROADWAY SECTION

NOT TO SCALE



- CURRENT CONCEPT PLAN



- DESIGN TREATMENTS TO ADDRESS NEIGHBORHOOD CONCERNS (TO-DATE)

Neighborhood Concern	Design Treatment
Speed limit	35 mph speed limit (most county collectors are 45 mph+)
Road width	11-foot travel lanes (minimum standard) and 4 foot bike lanes (minimum standard)
Place for pedestrians	Widened gravel shoulder
Traffic calming	Median treatments (8), dynamic feedback signage (8), 3-Way Stop at Rogers
Cut-thru traffic concerns	Reduction in attractiveness as a cut-thru route by adding delay via traffic calming, lower speed limit, 3-Way Stop at Rogers,
Commercial truck traffic	No Thru Trucks signage (subject to Board Order)
Opposition to any commercial wayfinding	No signage proposed to direct traffic to use Hunnell other than basic street signage.
Opposition to turn lanes at Tumalo	Turn lanes eliminated from this project.



- OTHER AREA PROJECTS

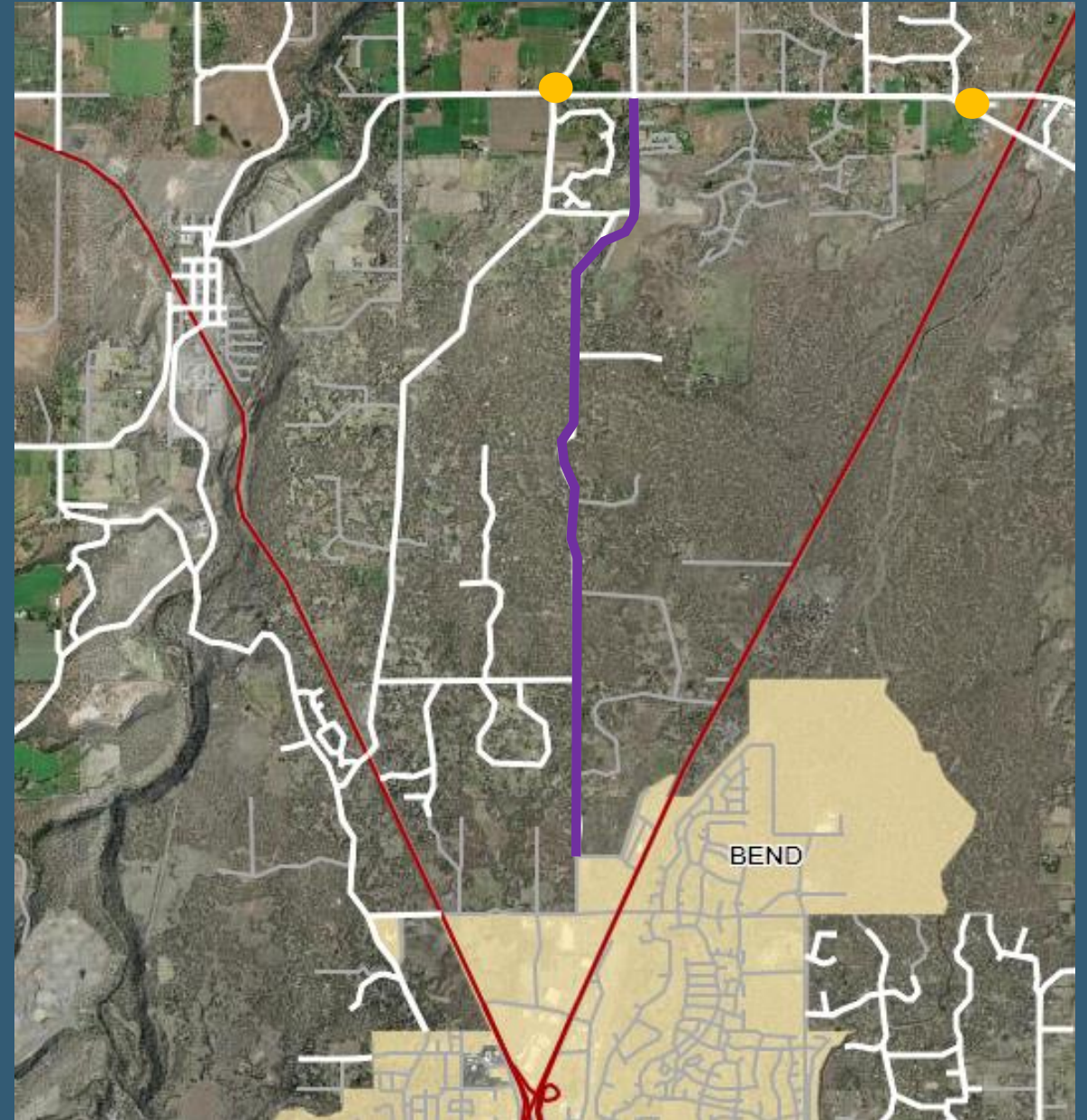


- Old Bend Redmond Hwy/ Tumalo Rd Intersection

- Construct roundabout
- Completed

- Tumalo Road/Tumalo Place Intersection

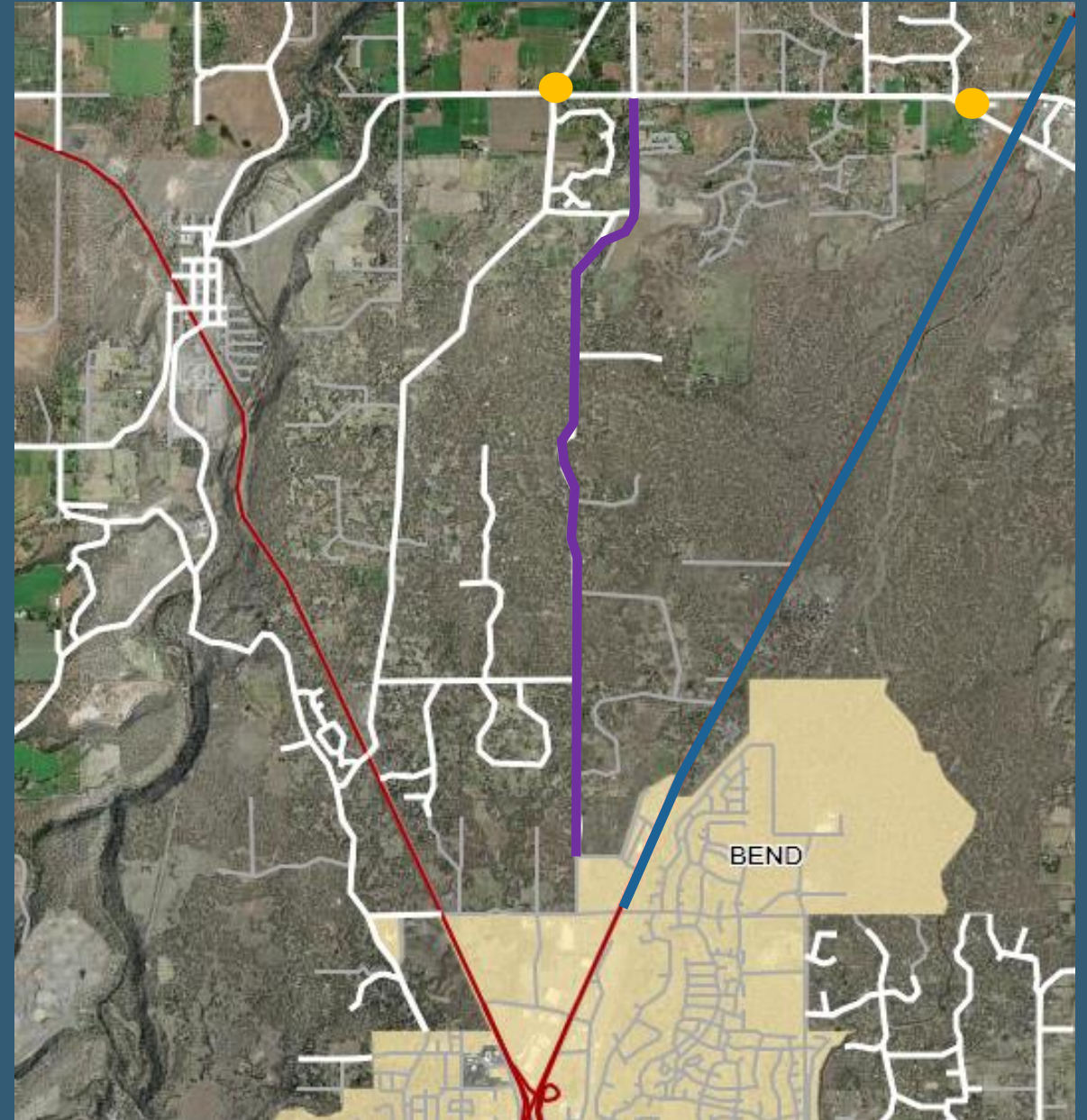
- Construct roundabout
- Under construction



- OTHER AREA PROJECTS



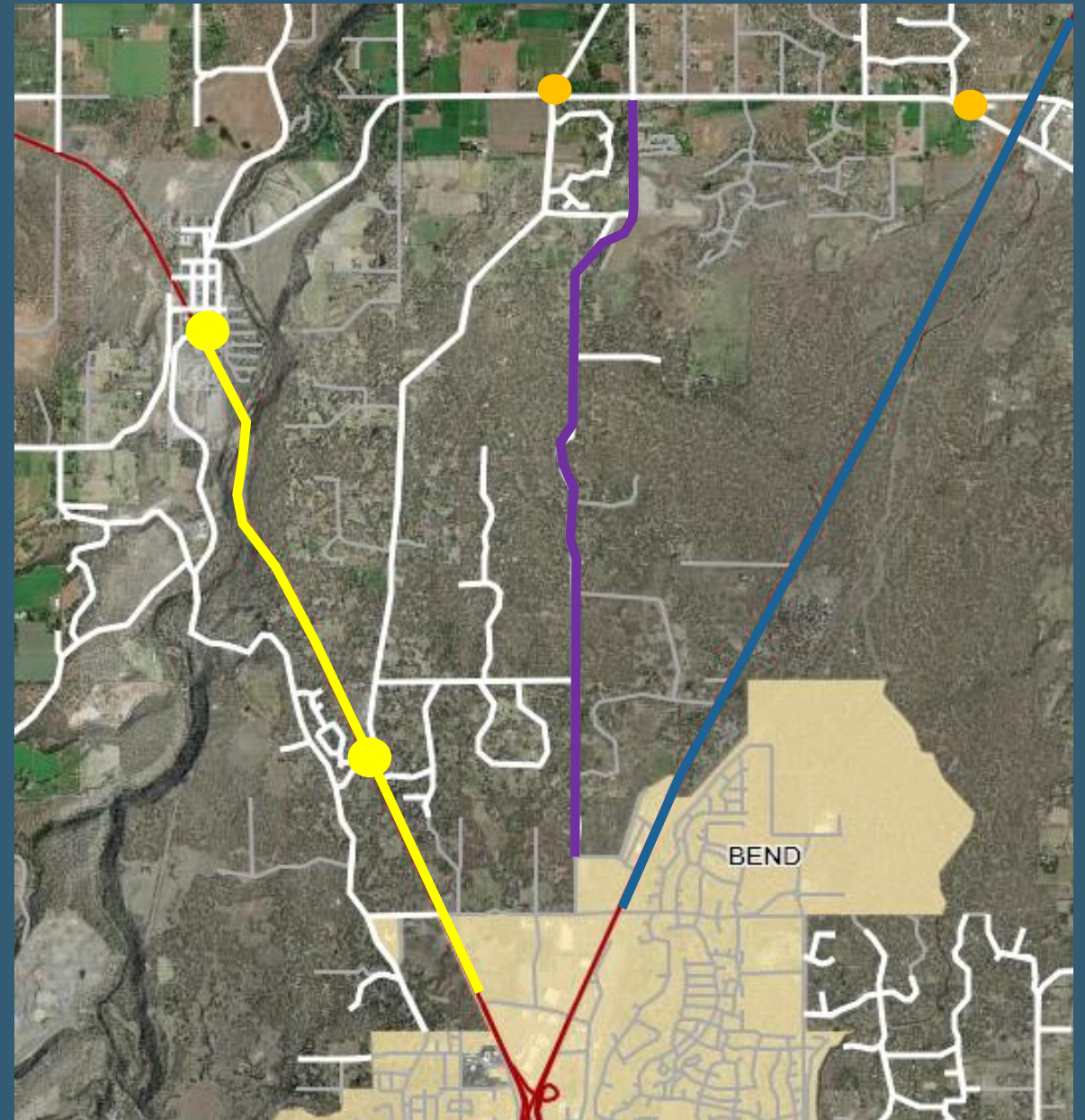
- US 97: Redmond to Bend
  - Safety improvements along corridor, including median barrier
  - 2021 Construction



- OTHER AREA PROJECTS



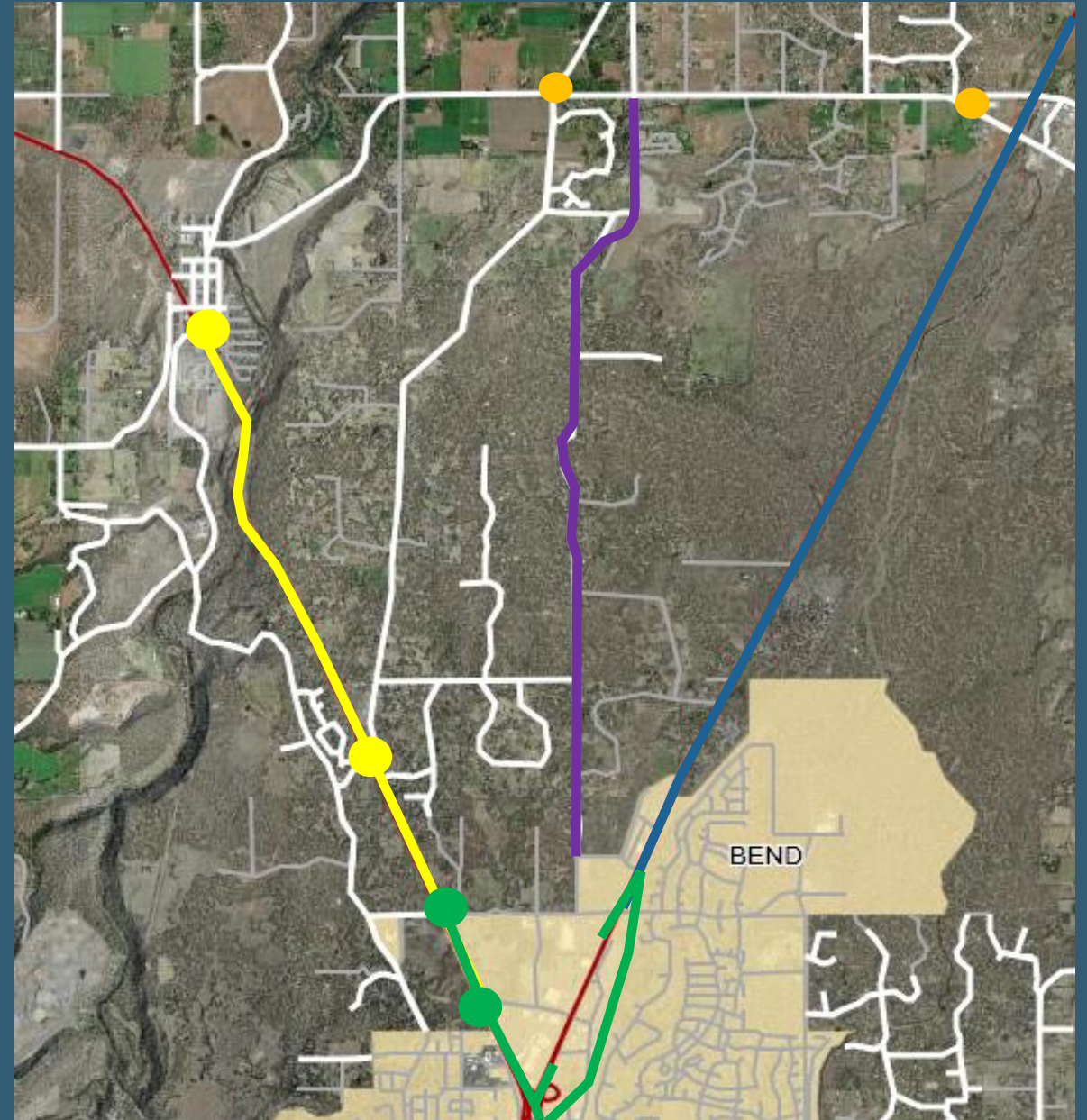
- US 20: Deschutes River Bridge- Robal Road/US 20 at Tumalo
  - Construct roundabouts at intersections of US 20/Old Bend Redmond Highway and US 20 /Cook Ave/OB Riley Road, pavement preservation, other work
  - 2022 Construction



- OTHER AREA PROJECTS



- US 97: Bend North Corridor
  - Realignment of US 97 and improvement of various intersections in Bend's north side
  - 2022-2023 Construction

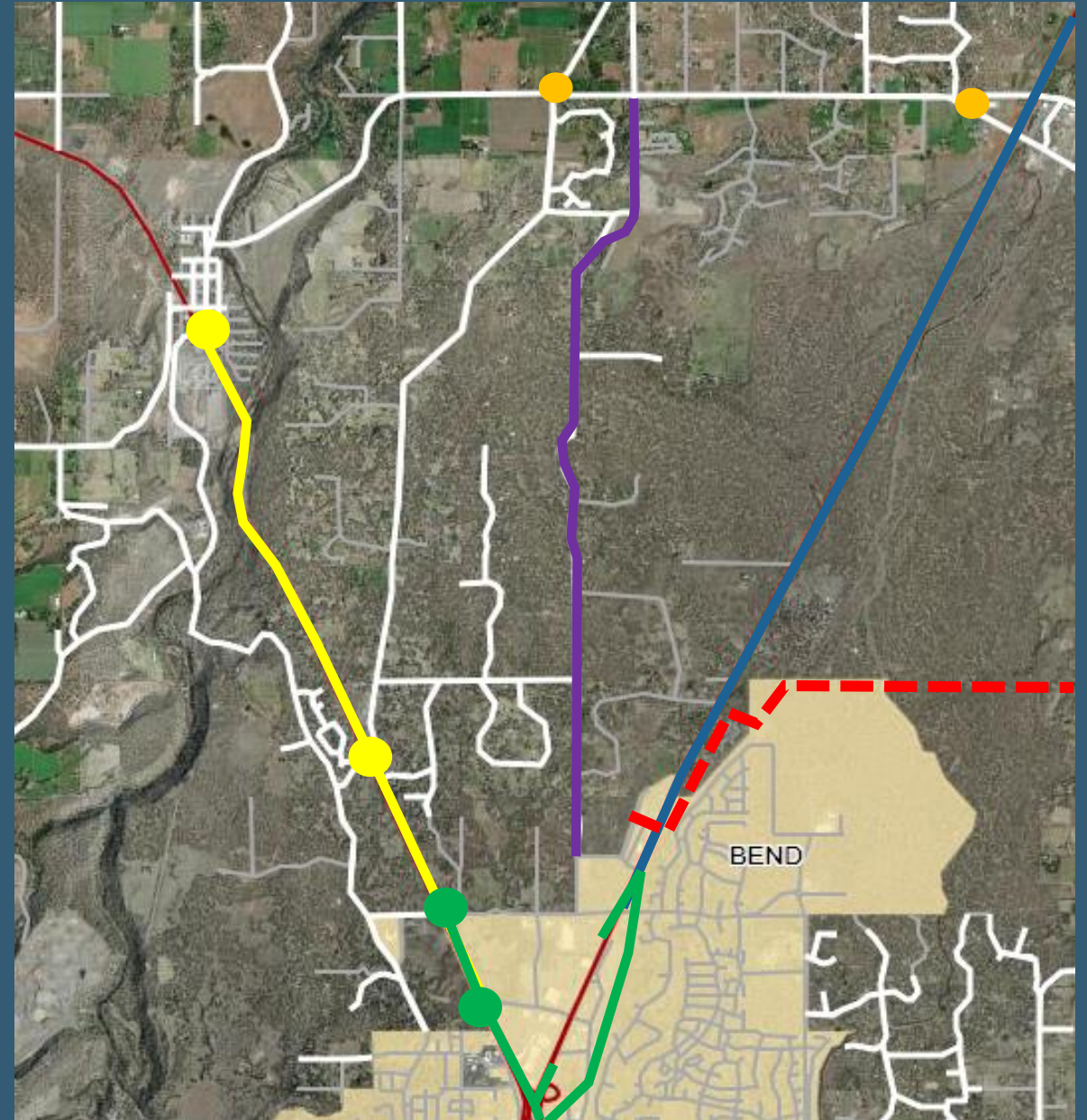


- OTHER AREA PROJECTS



- Bend North Sewer Interceptor Project

- Increase sewer capacity for Bend's north side
- 2019-2022 Construction



- SCHEDULE & COST ESTIMATE

- NOTE: Subject to change

- **Preliminary Engineering – February 2020 – December 2021**

- Presently at 30% Design
- Incorporate comments on 30% Design through February 2021

- **Right of Way Acquisitions – April 2021 – October 2021**

- Anticipate contacting impacted property owners in March 2021

- **Bid Advertisement – February 2022**

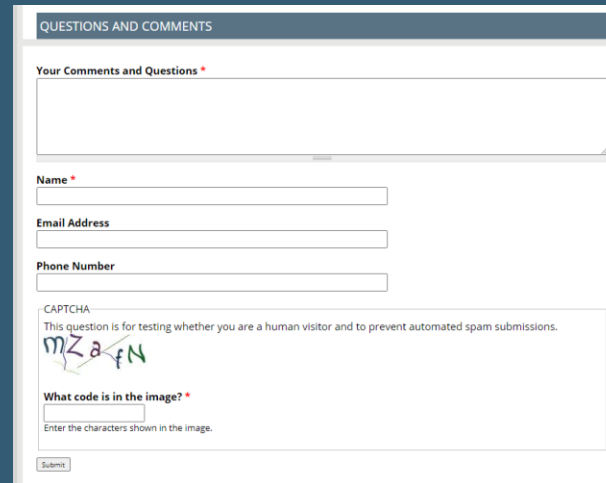
- **Construction – April 2022 – December 2022**

- Current Cost Estimate = \$4.6 million

- COMMENTS AND FURTHER QUESTIONS

- Website: [www.deschutes.org/hunnell](http://www.deschutes.org/hunnell)

- Use comment feature near bottom of website



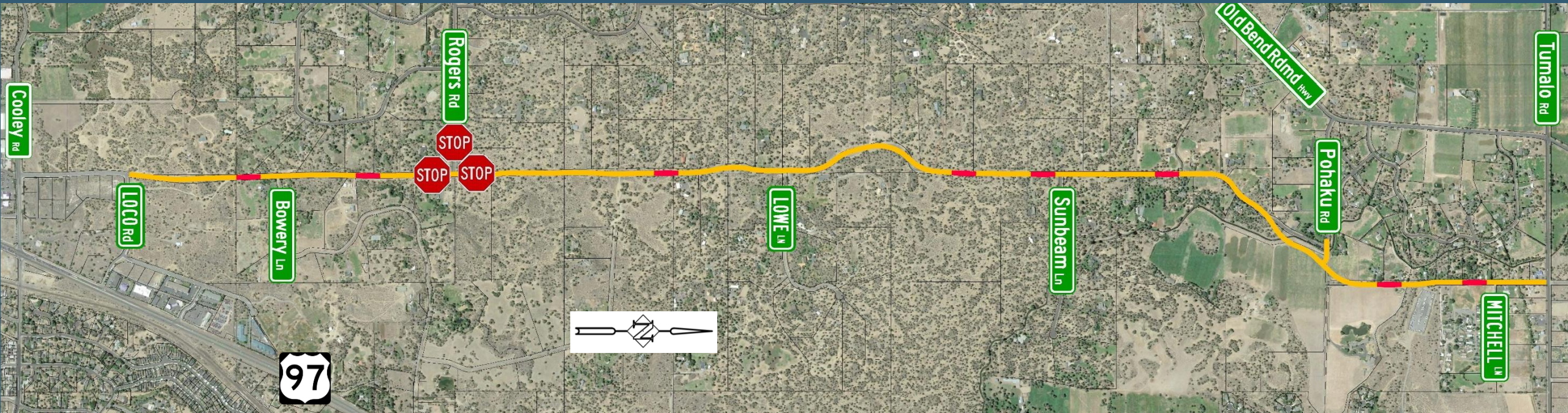
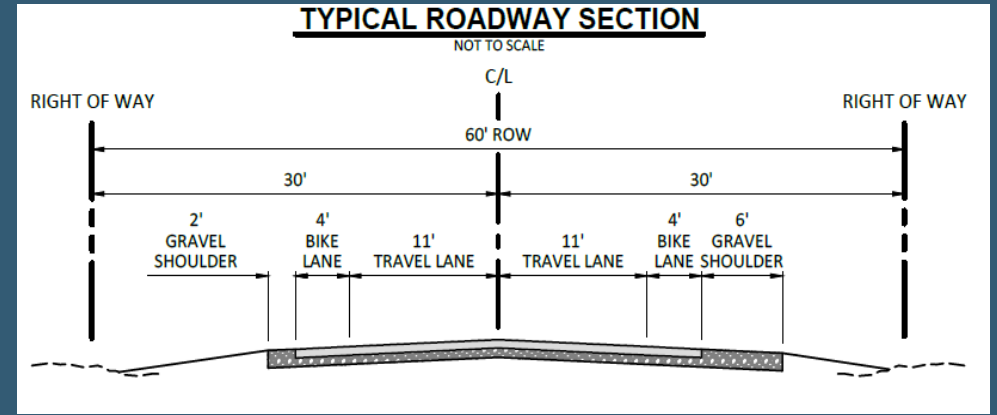
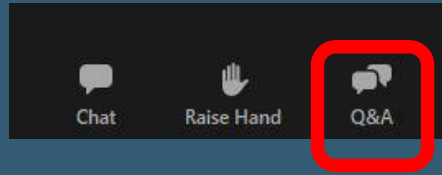
The screenshot shows a web form titled "QUESTIONS AND COMMENTS". It includes a large text area for "Your Comments and Questions", followed by input fields for "Name", "Email Address", and "Phone Number". Below these is a CAPTCHA section with the text "This question is for testing whether you are a human visitor and to prevent automated spam submissions." and an image containing the characters "mZ a fN". A "Submit" button is located at the bottom of the form.

- Email: [hunnellroad@deschutes.org](mailto:hunnellroad@deschutes.org)

- Phone: 541-388-6581

# • QUESTIONS AND ANSWERS

- Use "Q&A" feature to submit questions

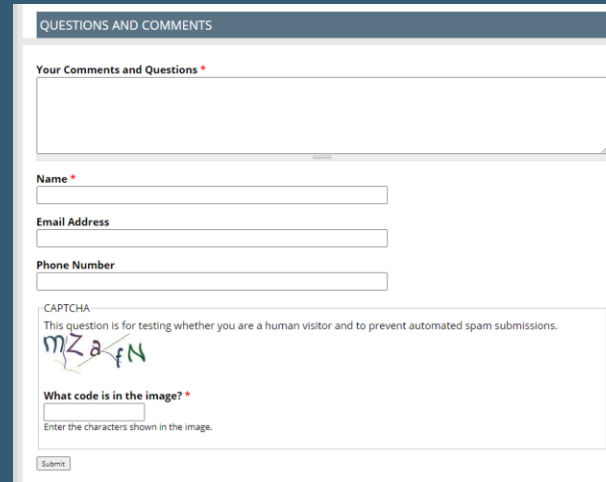




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