

# 362nd Paved Shoulders and Safety Improvements



Alternative Hybrid Preliminary Design Option  
(Two foot shoulders and safety countermeasures)

Firwood CPO

Nov 1, 2022

# Timeline



- Design: Nov. 2021 - March 2023
  - 30%, 90%
  - Work to minimize impacts to adjacent properties
- Construction: Spring 2023 - Fall 2023



# Crash data history (2017-2019)

Reported crashes



## Curve near Skogan Road intersection

- 6 crashes
- Speeding, crossing centerline, leaving roadway

## Between Colorado Road and Skogan Road curve

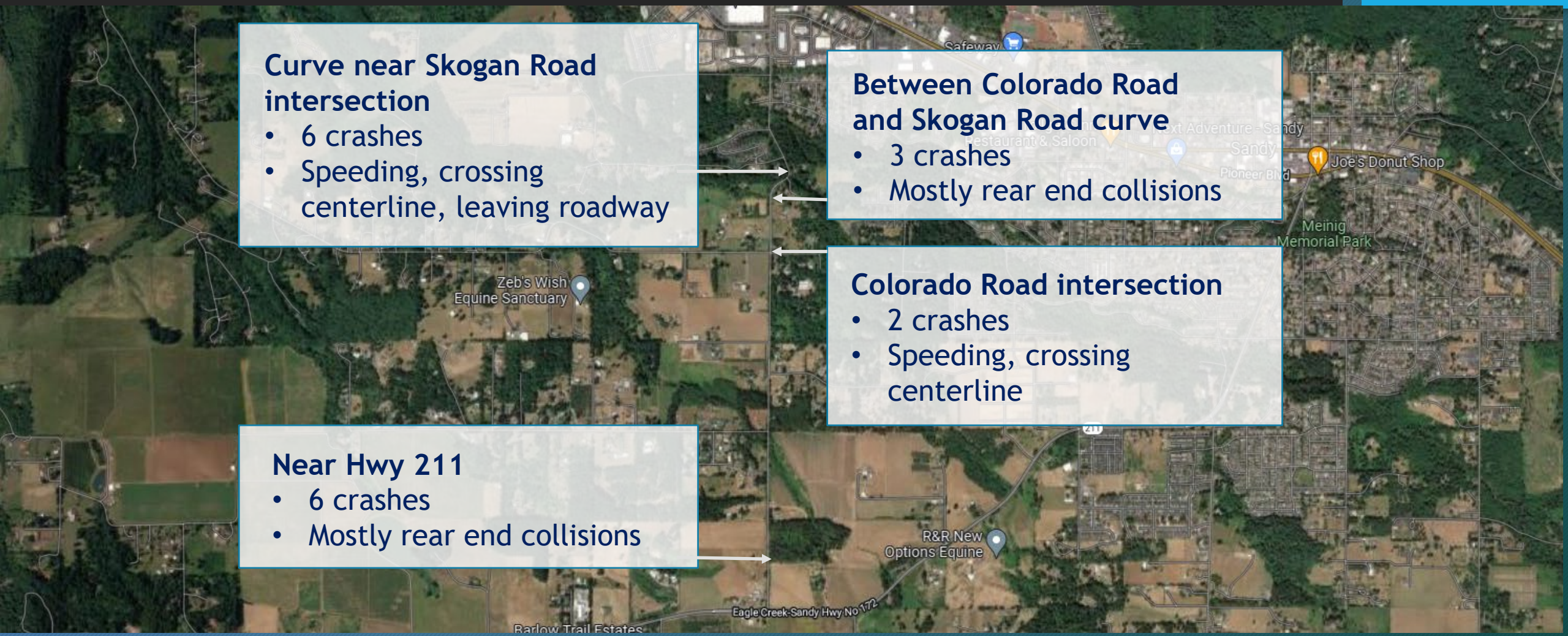
- 3 crashes
- Mostly rear end collisions

## Colorado Road intersection

- 2 crashes
- Speeding, crossing centerline

## Near Hwy 211

- 6 crashes
- Mostly rear end collisions





# What we'll be doing



## Improving safety

- Intermittent two-foot widened shoulders; no need for additional right of way
- Traffic safety countermeasures
  - Advanced warning signs and systems
    - Digital radar feedback signs
    - Static signs: speed signs, curve warning signs, chevron signs, school bus signs
    - Solar-powered curve ahead signs
    - Sign spacing review
    - Delineators
    - Advanced warning signs/stripping at Deming Road
  - Centerline rumble strips with recessed reflector buttons
  - Edge line rumble strips
  - Possible use of high friction surface treatment





# What we'll be doing



## Improving safety

- **Minor approach paving to limit gravel on road**
  - Minor ditch grading and stormwater improvements around roadway approaches at:
    - Colorado Road
    - Deming Road
    - Gunderson Road

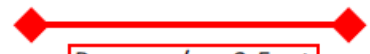




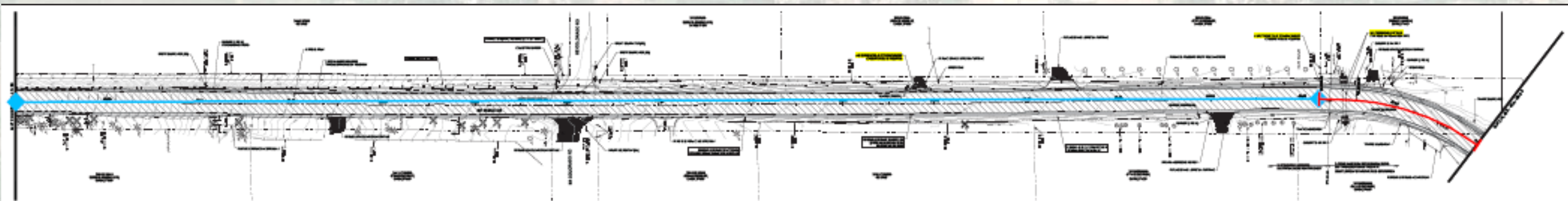
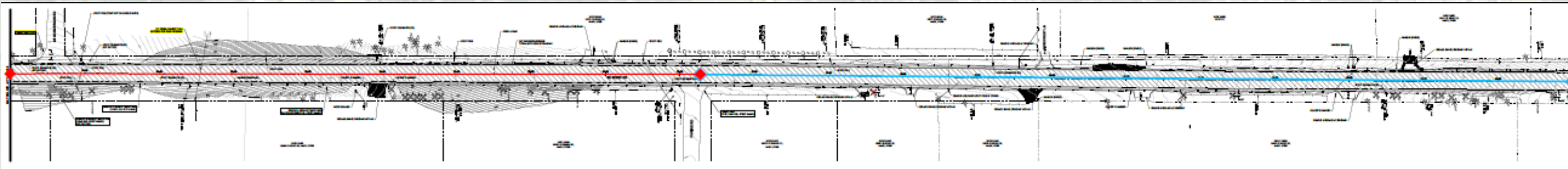
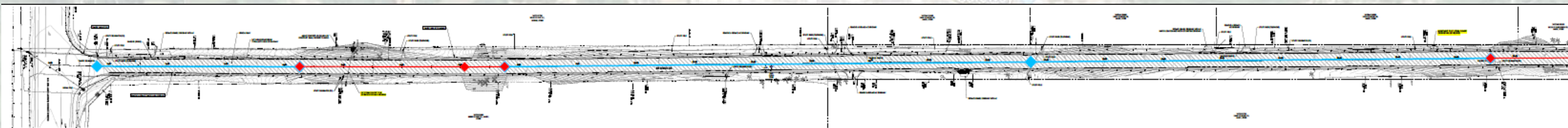
# What we'll be doing



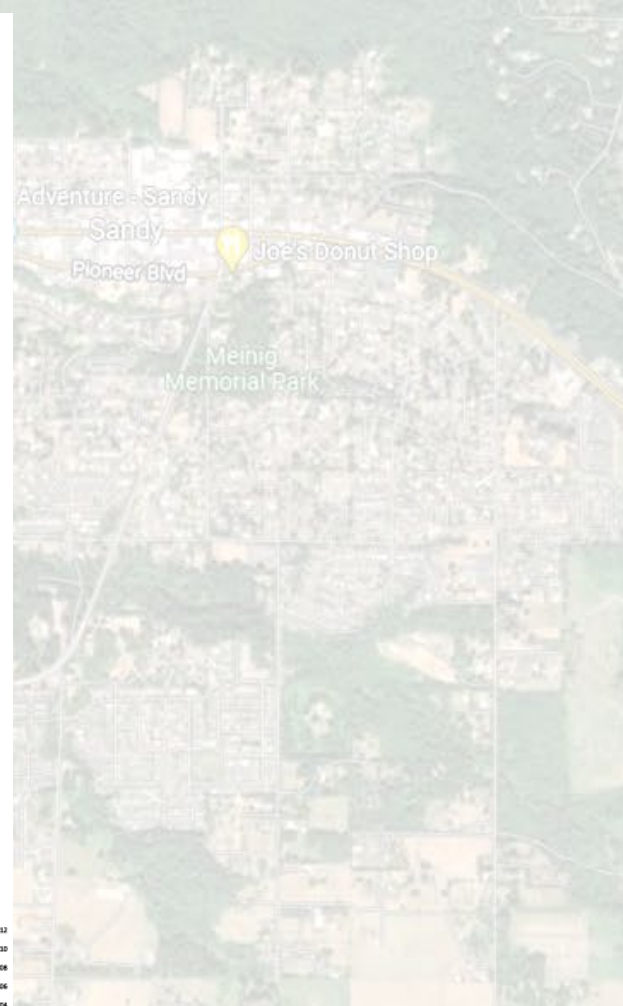
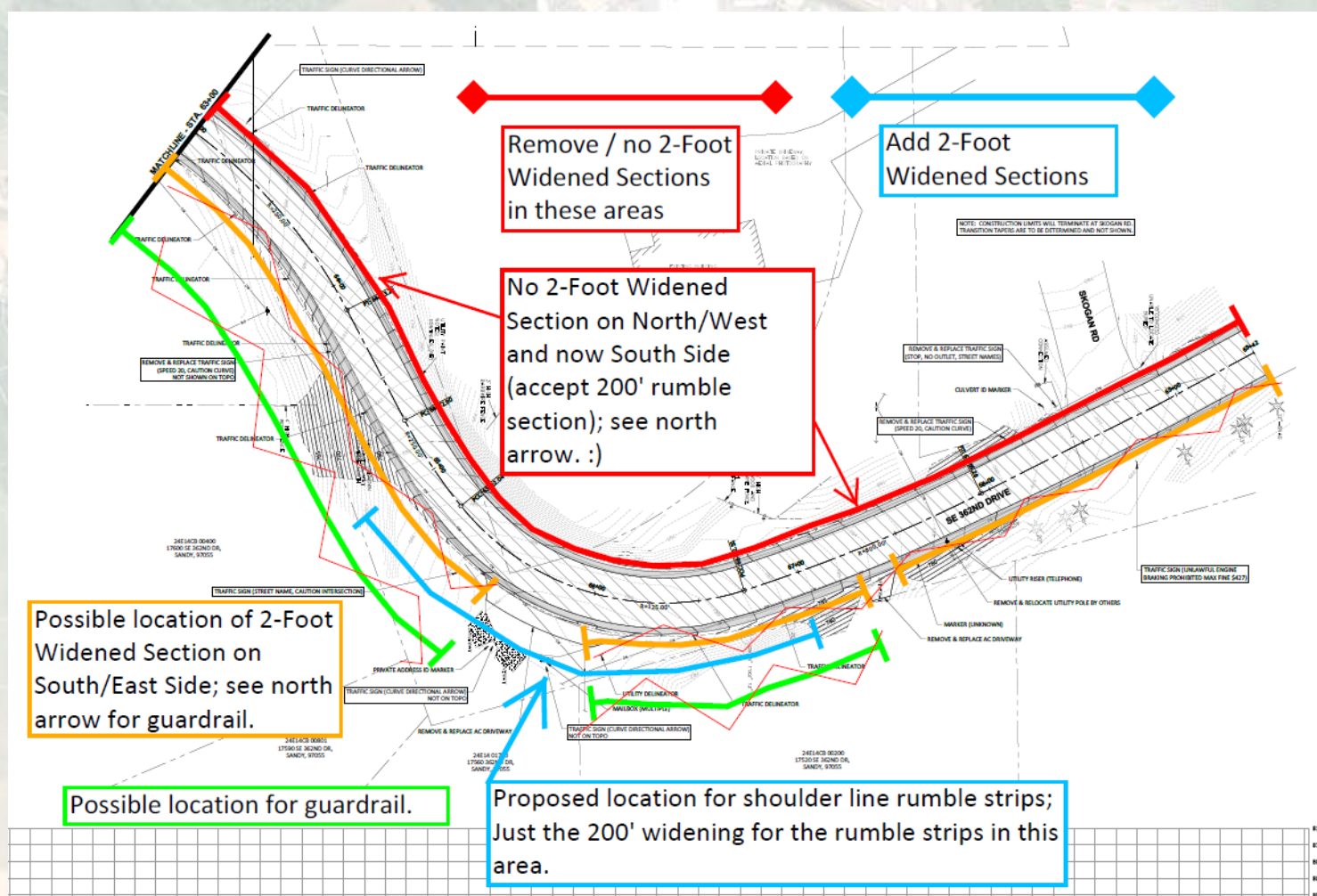
Add 2-Foot  
Widened Sections



Remove / no 2-Foot  
Widened Sections  
in these areas



# What we'll be doing





# Community outreach



## We will share information...

- Website
- CPO meetings
- Social media
- Email to interested parties
- Mailings
- Individual contacts with property owners

## We ask you to...

- Join the interested parties list
- Contact us with questions and concerns
- Spread the word to others
- Let us know what's working well and what isn't



# Funding: \$1.6 million



## 1. Community Road Fund

Projects to increase safety, relieve congestion and maintain local roads

- \$30/year vehicle registration fee
- Consistent source of local, countywide revenue to complete projects most important to our residents and businesses
- Can only be used for road projects in Clackamas County

## 2. System Development Charges

## Nearby CRF projects

- Safety:
  - 282nd Ave/Haley Road
  - Bluff Road/327th Ave
- Paving:
  - 312th Dr
  - Church Road
  - Baty Road
  - 502nd Ave

[www.clackamas.us/transportation/crf](http://www.clackamas.us/transportation/crf)





## 362nd Paved Shoulders and Safety Improvements

[www.clackamas.us/engineering/362nd-ave](http://www.clackamas.us/engineering/362nd-ave)

Bob Knorr, *Project Manager*, 503-349-4171 [rknorr@clackamas.us](mailto:rknorr@clackamas.us)

