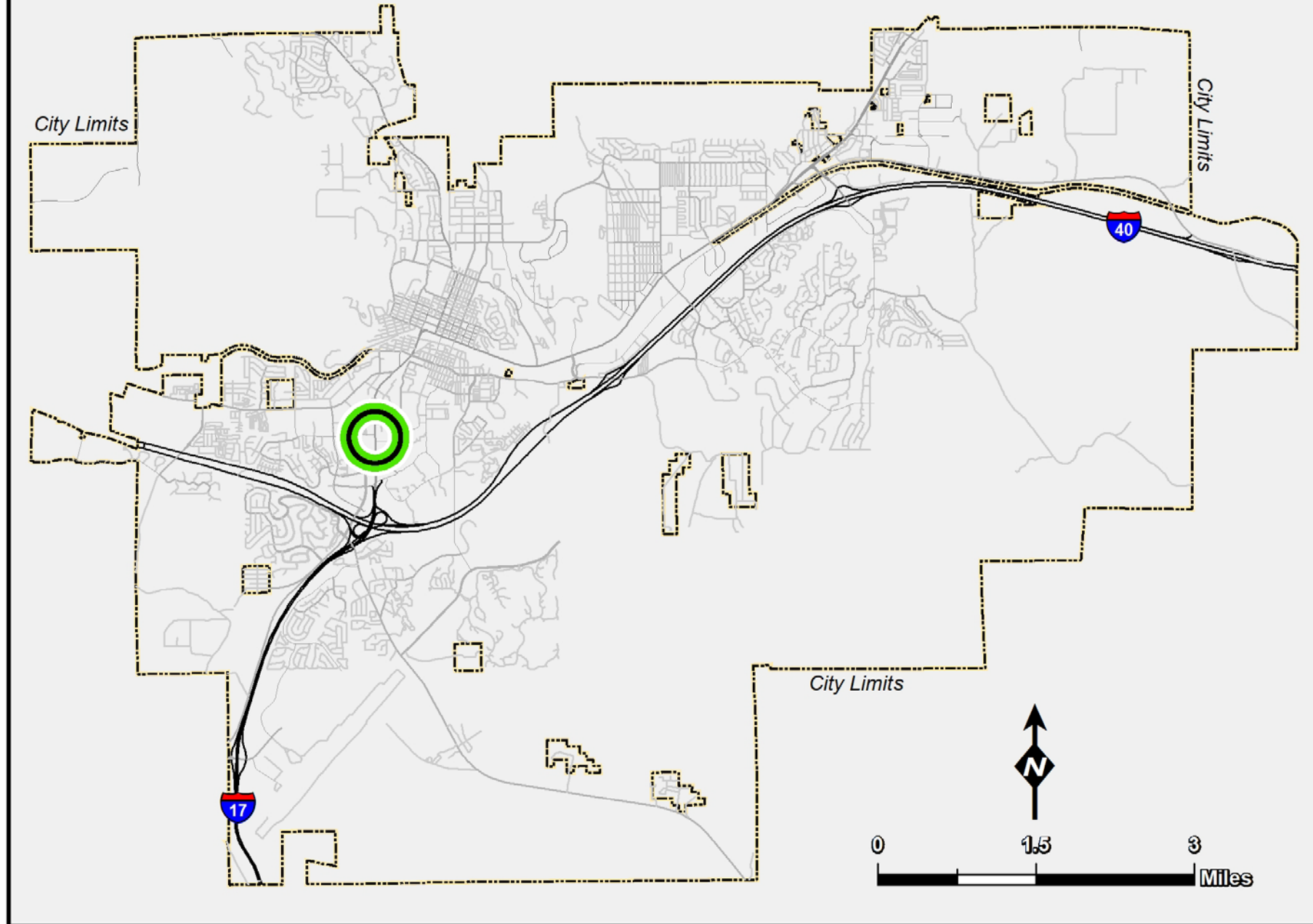


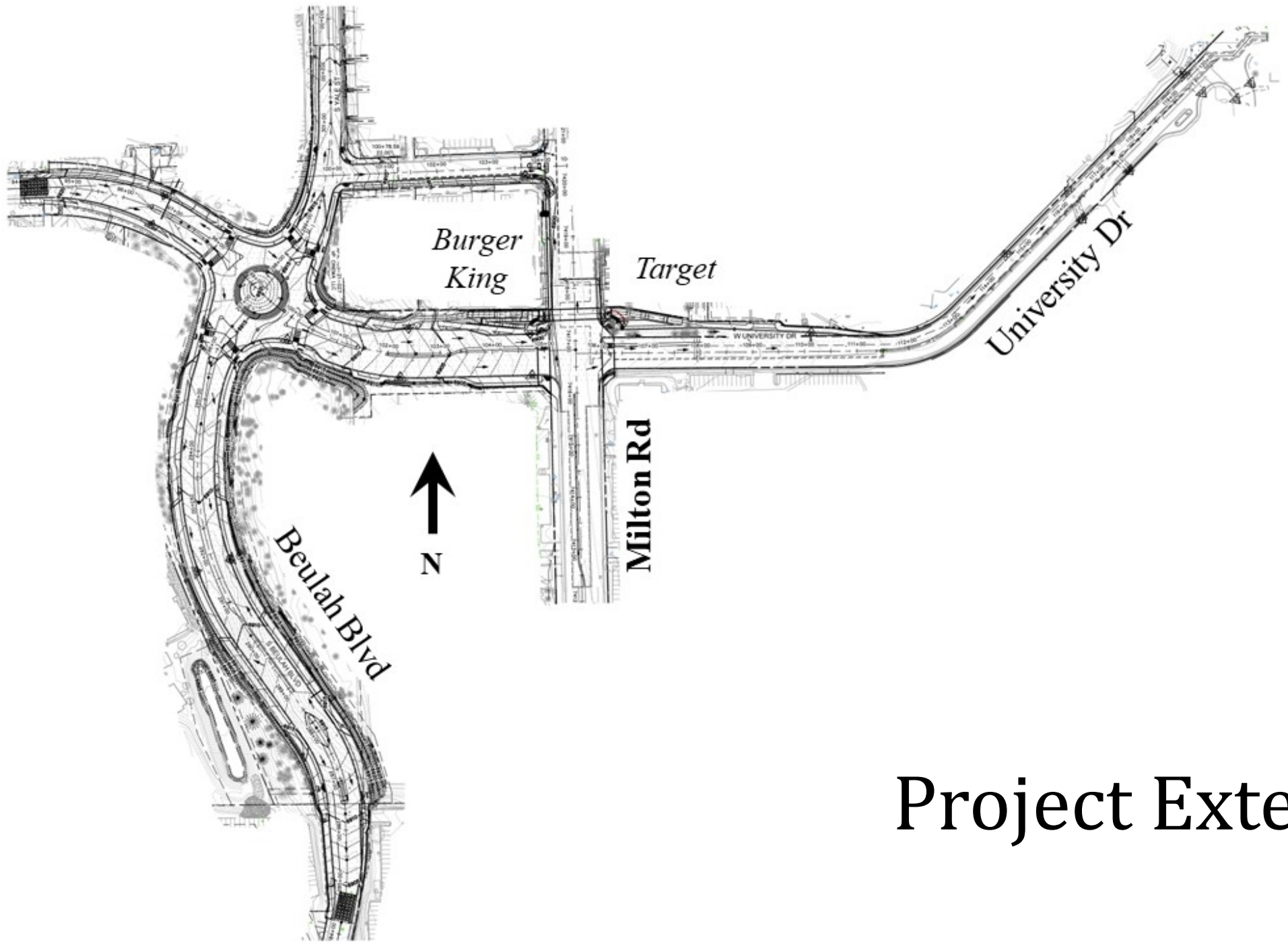
An aerial photograph of a town, likely Beulah, Colorado, nestled in a valley. The foreground is dominated by a dense forest of tall, green pine trees. In the middle ground, residential houses with brown roofs and some commercial buildings are visible. The background features a range of rugged, brown mountains under a blue sky with scattered white clouds.

Beulah/University Realignment Project

GMP Award
6 December 2022

Beulah/University Realignment Project





Project Extent



Stakeholders & Gratitude

- Shephard-Wesnitzer, Inc. (**SWI**) – *Design Engineer*
- Kimley-Horn – *Roundabout Expertise*
- Eagle Mountain Construction (**EMC**) – *Construction Contractor*
- Vintage Partners (**VP**) – *Public-Private Partnership (P3)*
- AZ Dept of Transportation (**ADOT**) – *Public-Private Partnership (P3)*
- Northern Arizona University (**NAU**)
- Mountain Line
- Multitude of City Staff
- Community Members & Property Owners
- City Council



Abbreviated Project Timeline

2000 – “Old” Transportation Tax Approved by Voters (Prop 403)

2014 – Council approved P3 Agreement with ADOT and VP

2018 – SWI Begins Engineering Design; Development Agreement (DA) with VP

2021 (Jun) – 60% Plans Redesigned for Bike/Ped Enhancements

2021 (Sept) – RSOQ Committee selects EMC as Construction Contractor

2021 (Oct) – Update to City Council; First Amendment to DA

2022 (Jun) – CCR to City Council; FY2023 Budget Adopted

2022 (Dec) – Finalization of VE Items, Design Plans, and GMP to City Council



Project Components

- Pedestrian/Bike-focused **Roundabout**
- Pedestrian/Bike **Underpass** Beneath Milton Road
- New 11-foot **Shared Use Paths** for Pedestrians and Bicyclists
- New **Dedicated Bus Lanes** and **BRT Bus Stops**
- Installing New and Replacing Undersized Existing **Water (3,226 LF)**, **Sewer (1,265 LF)**, and **Stormwater (3,687 LF) Infrastructure**
- **Improving Drainage Issues** along University Drive
- **Realigning** University Avenue to match University Drive
- New **Dark-Sky Compliant** Streetlights
- Extension of **Fiber Optic Network** (Conduit)



From Then to Now



Construction Costs:

• Inflation & Price Increase (Past Year)

• Fuel (Diesel)	+51%	• Sub-grade (ABC)	+20%
• AC Oil (Ingredient in Asphalt)	+48%	• Pipe	+15%
• Asphalt (AC)	+27%	• Underpass Structure	+12%
• Concrete	+22%	• Pipe Fittings	+10%

• Constructive and Fruitful Value Engineering Effort

- Important to Note there was **No Reduction in Scope**
- Cumulative savings was \$668,790



From Then to Now



Timeline of Construction Costs (2022):

Why 2022?

- Design More Complete
- Project Quantities Better Understood
- Estimates from Construction Contractor

January *\$17.3M*

March *\$18.5M*

April *\$19.1M*

December *\$19.3M*



Project Funding



Budget for Construction:

• Prop. 419 (“New” Transportation Tax)	\$11,891,360
• Prop. 403 (“Old” Transportation Tax)	\$8,598,540
• Vintage Partners (Underpass)	<u>+ \$1,650,000</u>
<i>Authorized FY23 Budget</i>	\$22,139,900



Brief Construction Overview



Construction Period

- **Spring 2023 through Summer 2025** (Three Construction Seasons)
- **One Seamless Project – Two Phases**
 - **Phase 1** – Roundabout, Utilities, and West Side Ramp Work (West of Milton)
 - *15 – 17 Months*
 - **Phase 2** – Pedestrian Underpass & Surface Improvements
 - *12 – 14 Months*
- **Construction timed and communicated with NAU and other Stakeholders**
- **Construction Yard will utilize old ADOT Property**

Comments and Questions



A Special Thanks to:

- *City Council*
- *Community Members*
- *Project Team*
- *Project Stakeholders*