

ORCHARD AVENUE  
**CORRIDOR**  
**STUDY**



# Existing Conditions

September 28, 2021



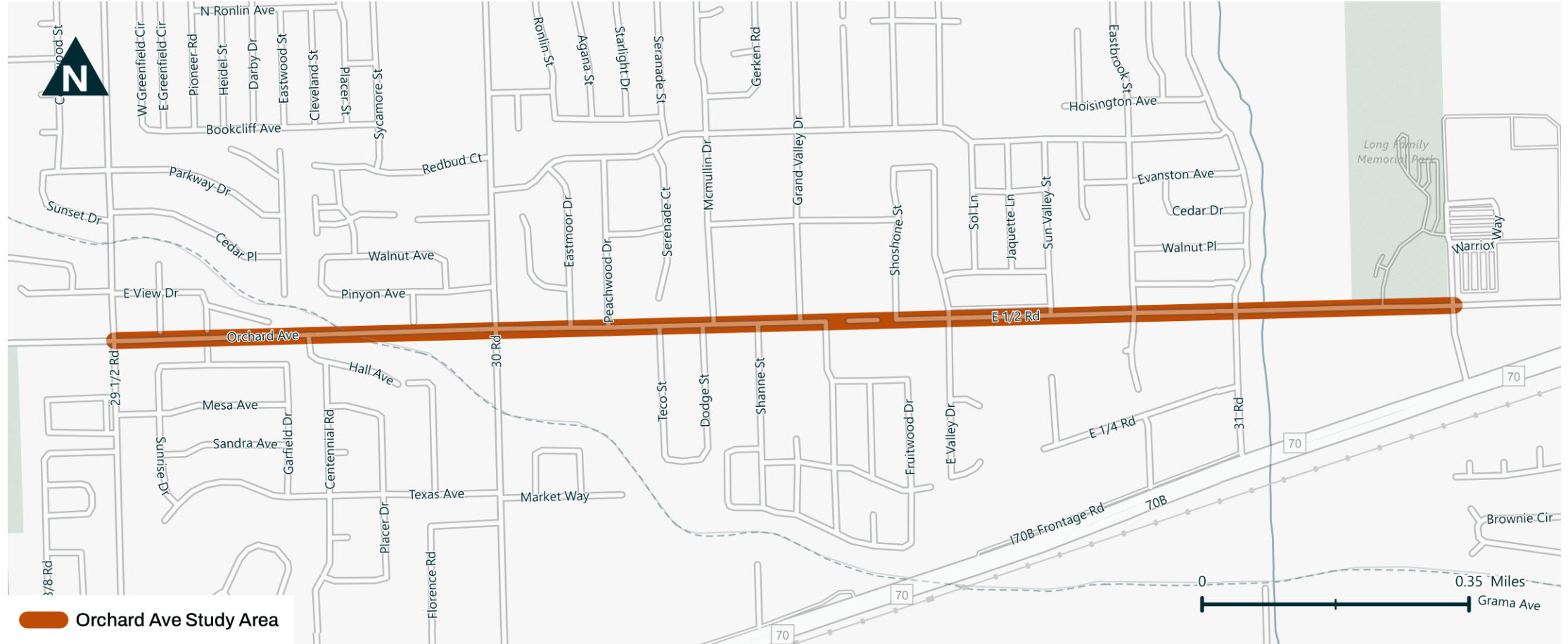
# Vision

*The Orchard Avenue Corridor Study will transform the study area (29 ½ Road to Warrior Way) into a more comfortable place to walk, bike, ride transit, or drive.*



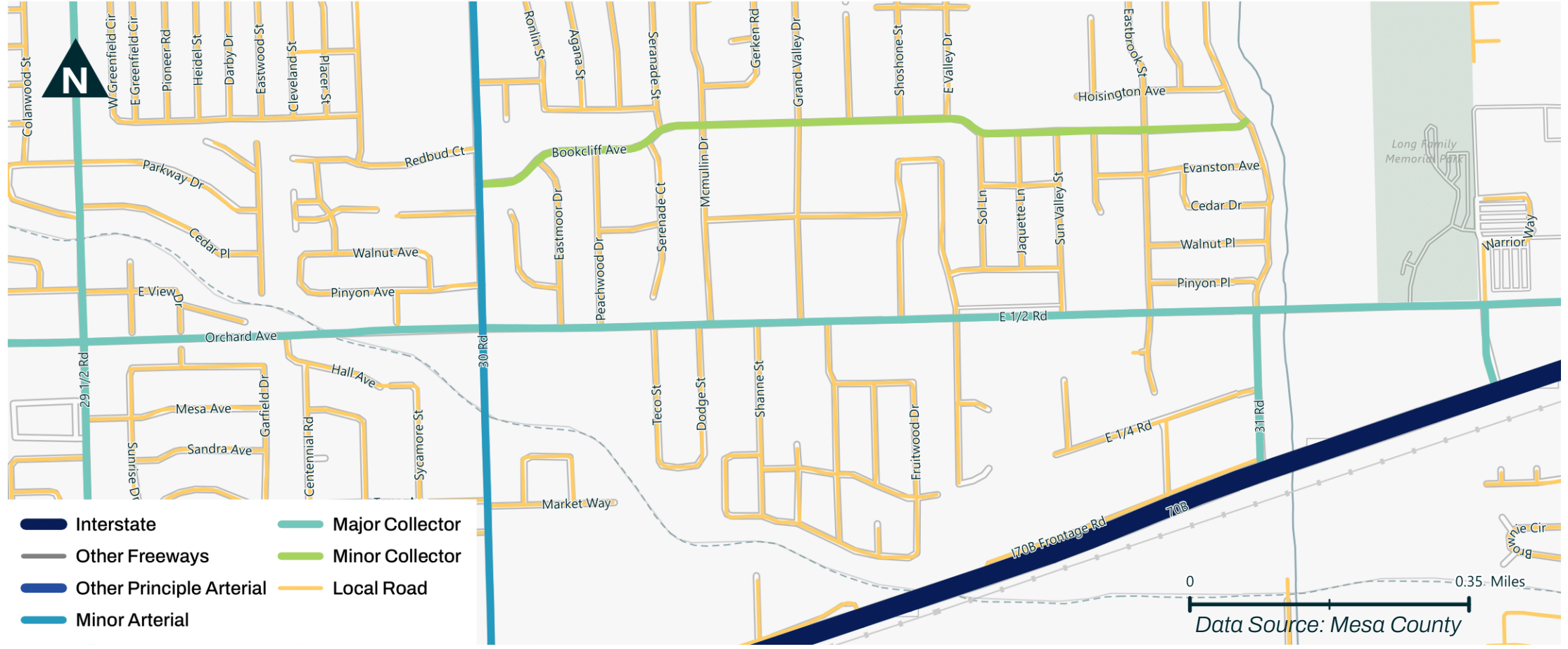
# Existing Conditions

# Study Area

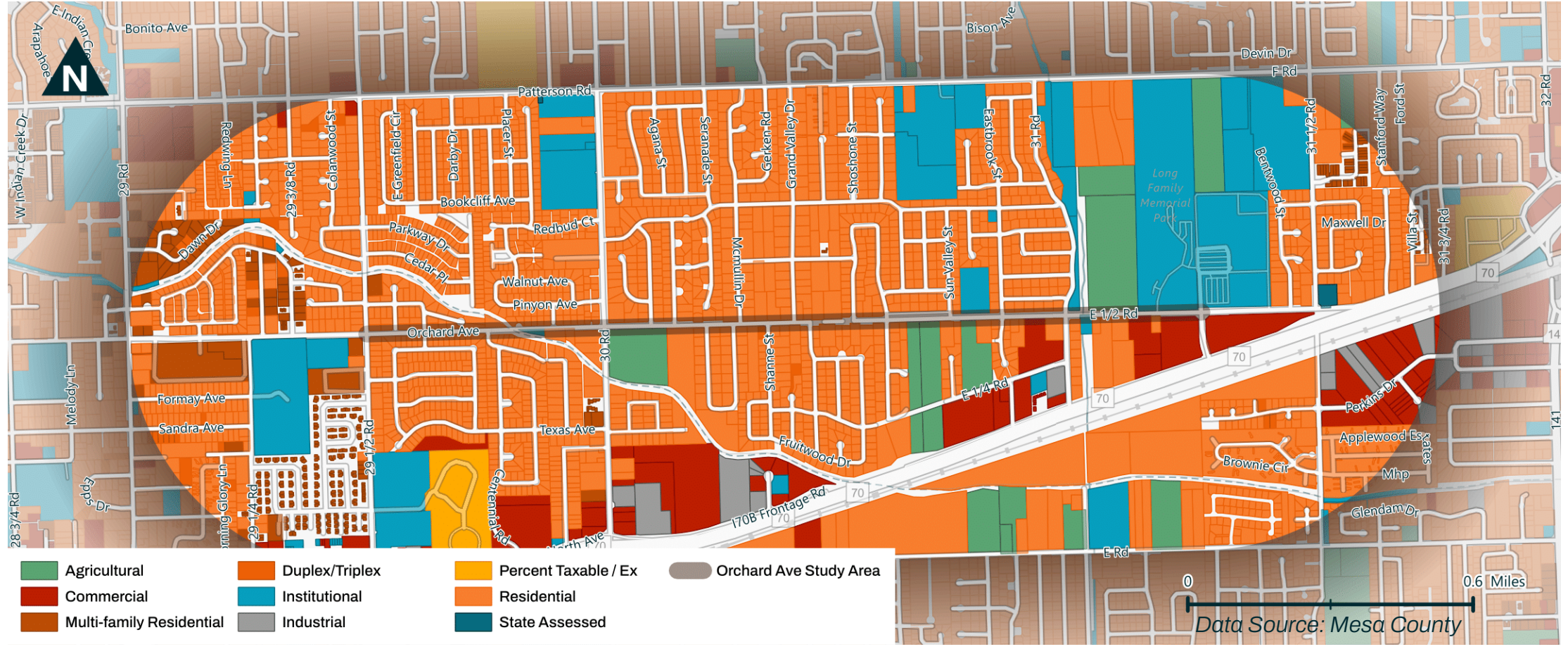




# Roadway Classifications

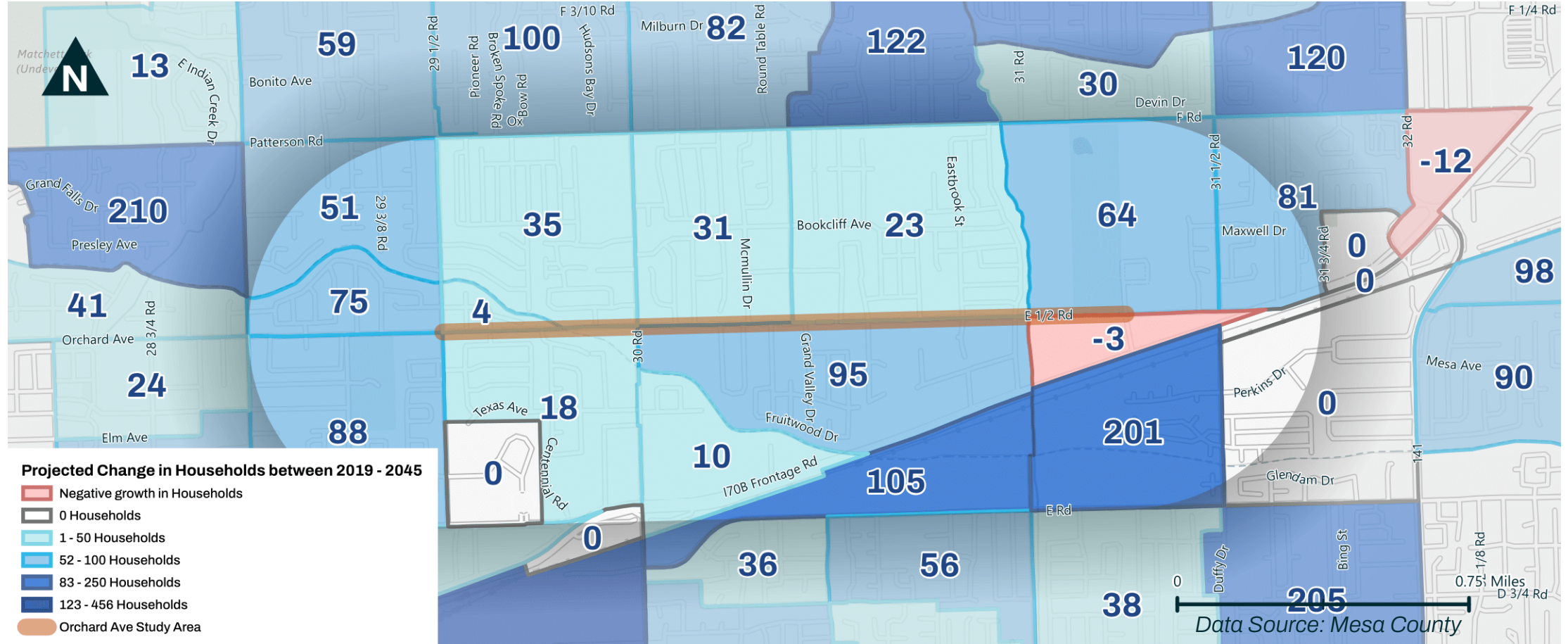


# Zoning

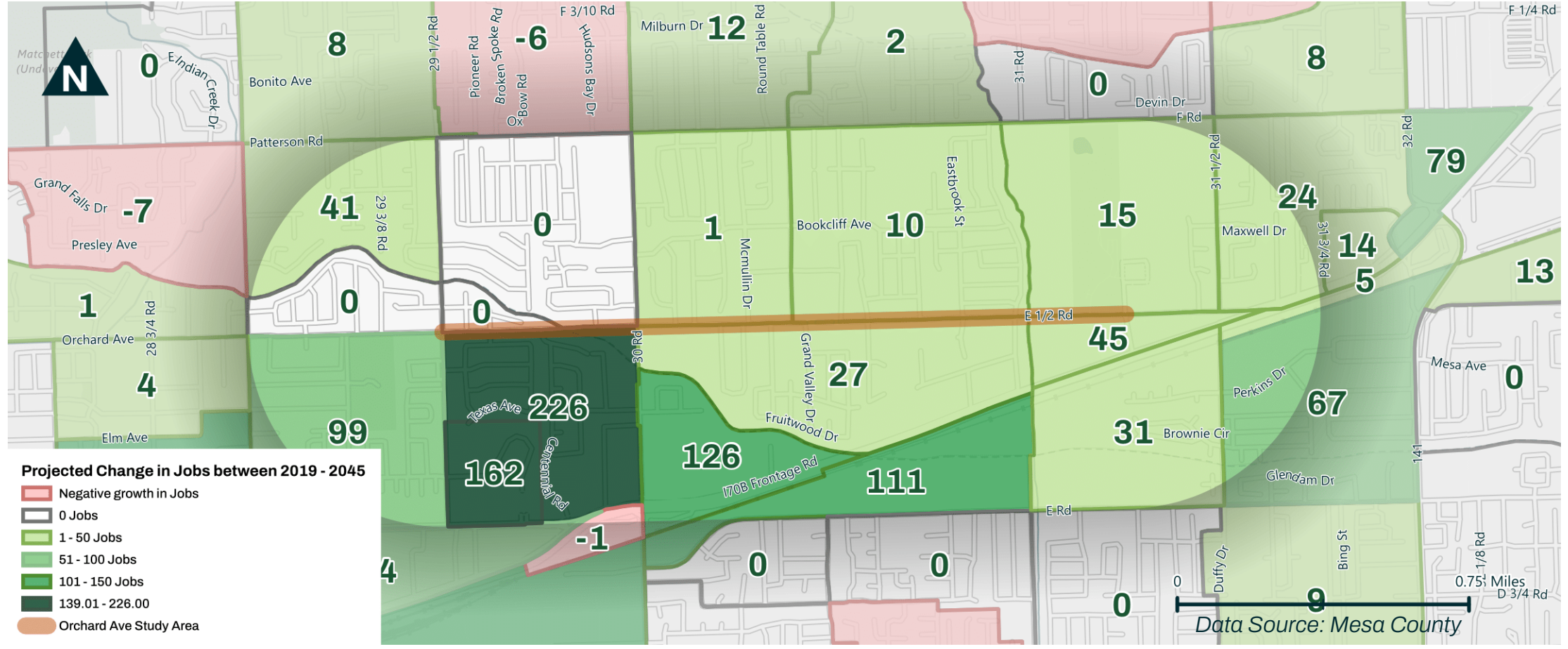




# Forecast Growth in Households

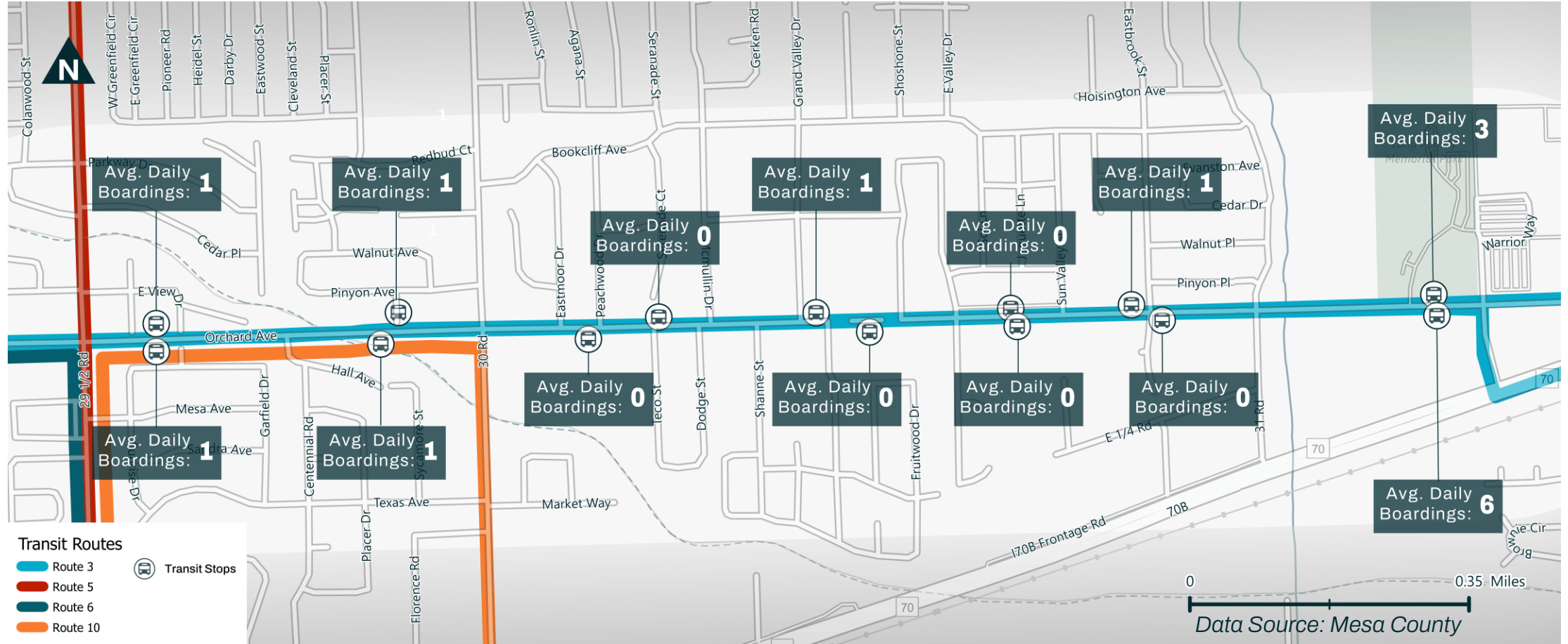


# Forecast Growth in Employment

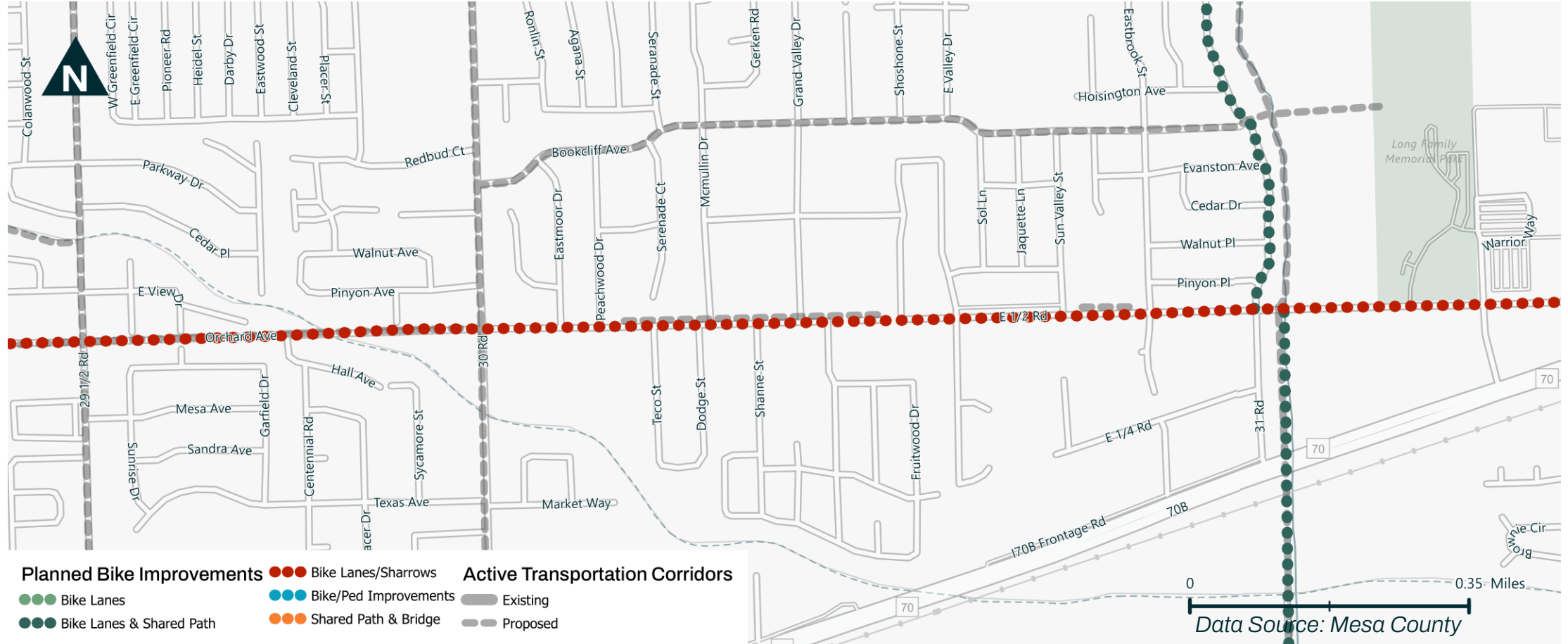




# Transit Service & Ridership

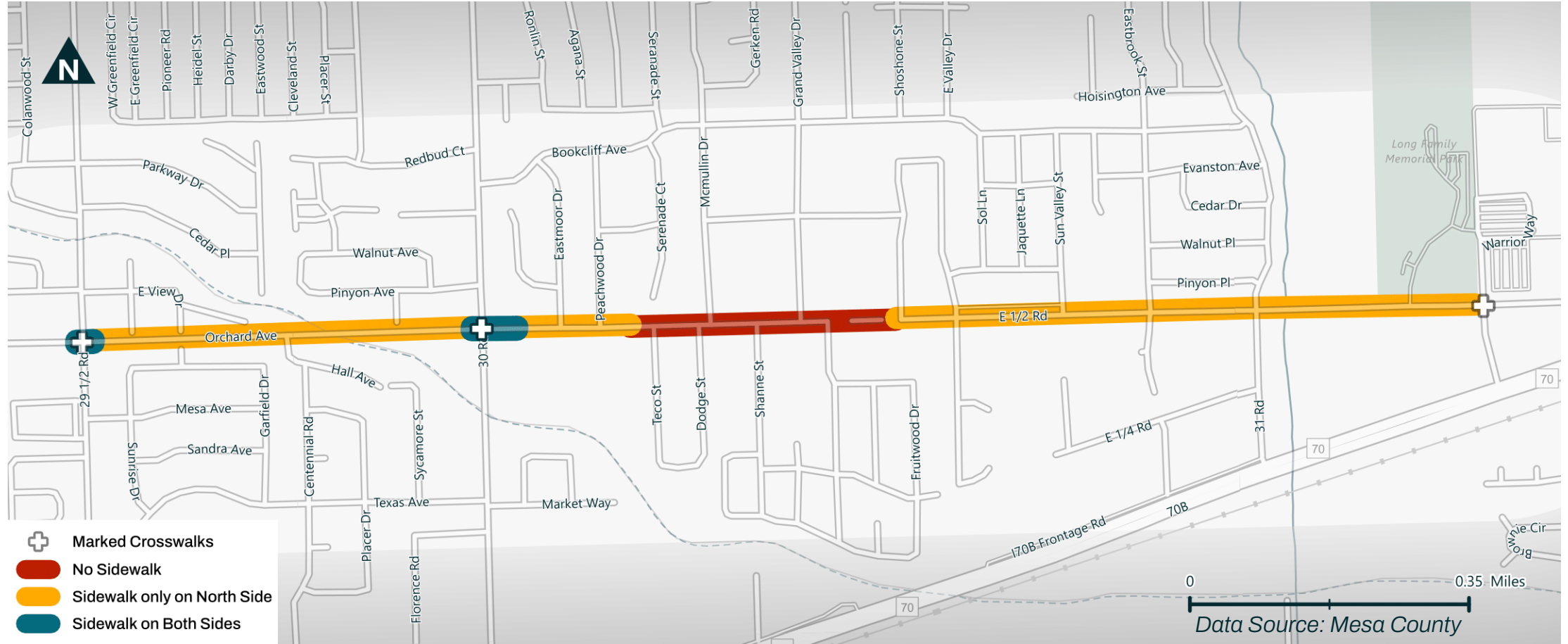


# Bicycle Facilities

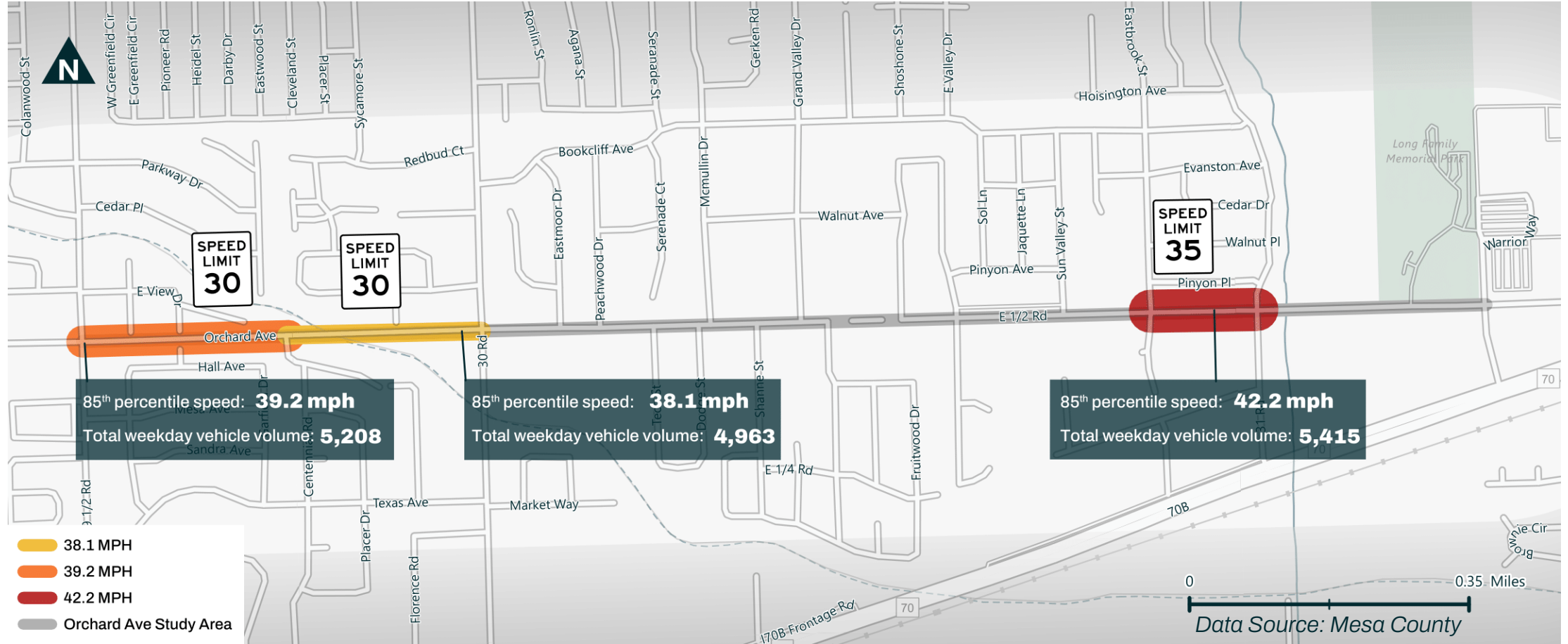




# Pedestrian Facilities

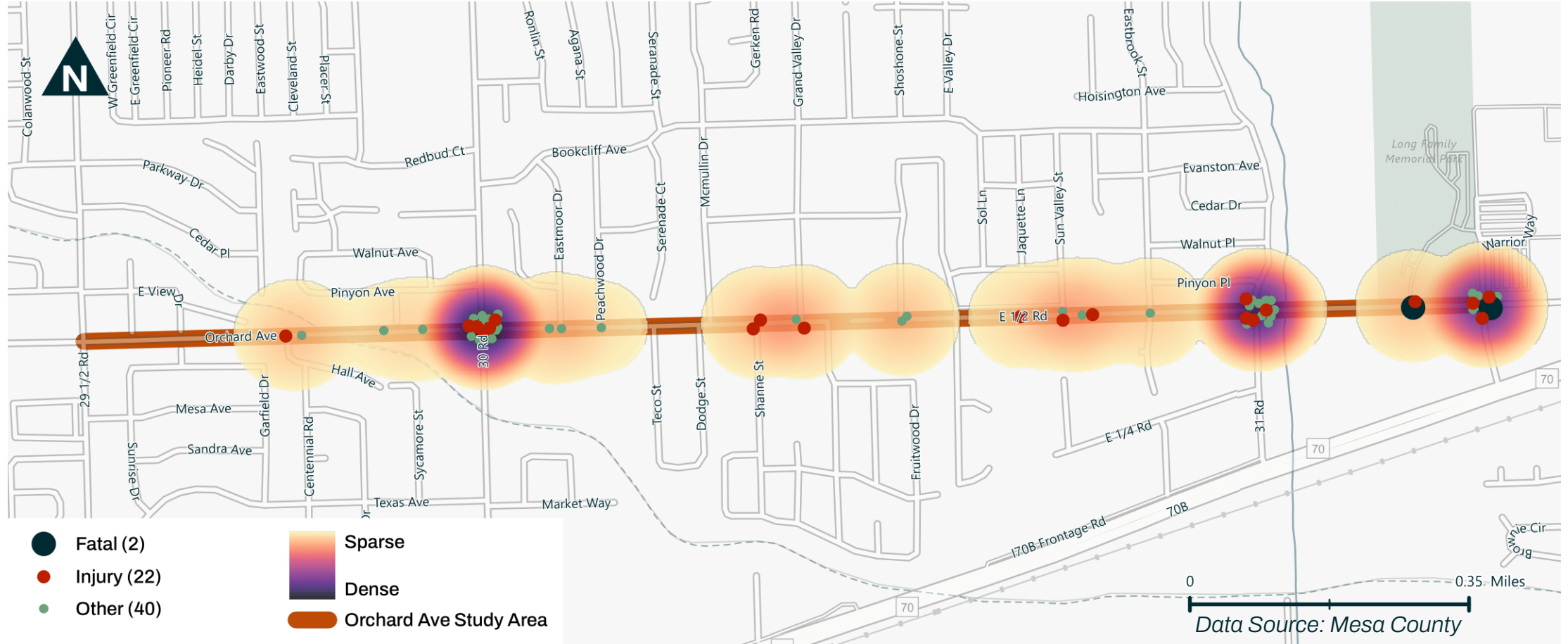


# Speeds & Volumes



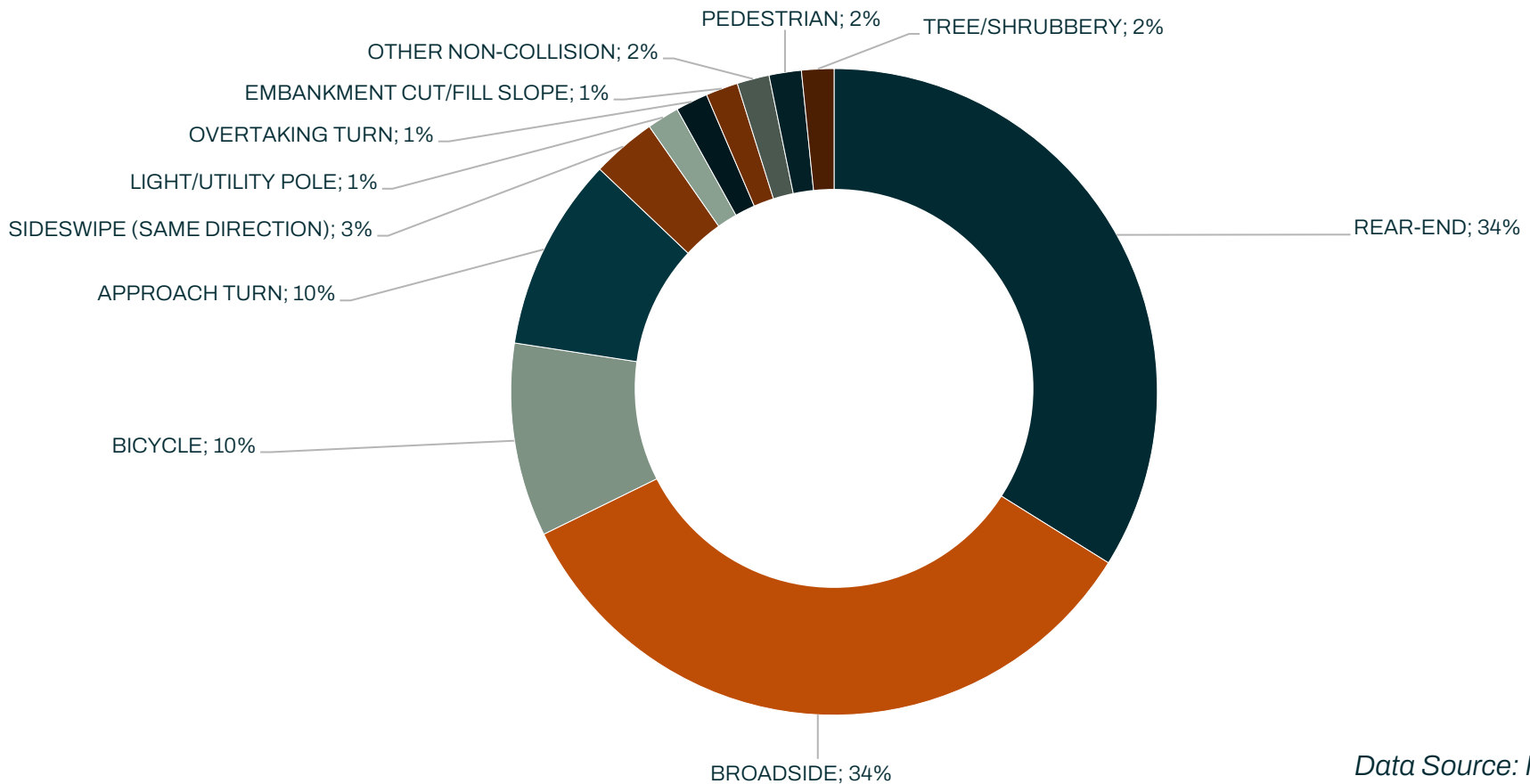


# Crashes



# Crashes

## Reported Injury Crashes, 2016-2020



Data Source: Mesa County



# Crashes

- **93%** of crashes were reported as **weather not being a contributing factor**
- **77%** of crashes occurred in **daylight**
- **8%** of crashes occurred in **dark, but lighted conditions**
- **10%** of crashes occurred in **dark and unlighted conditions**

# Traffic

Intersection	Control	Peak Hour <sup>1</sup>	Existing Conditions			2045 No-build		
			Delay <sup>2</sup>	LOS <sup>3</sup>	Approach	Delay <sup>2</sup>	LOS <sup>3</sup>	Approach
1. 29 ½ Road & Orchard Ave	Signal	AM	25.9	C	-	48.0	D	-
		PM	23.3	C	-	27.8	C	-
2. 30 Road & Orchard Ave	Signal	AM	23.6	C	-	27.9	C	-
		PM	23.1	C	-	26.4	C	-
3. 31 Road & Orchard Ave	NB/SB Stop	<b>AM</b>	<b>71.9</b>	<b>F</b>	<b>SB</b>	<b>802</b>	<b>F</b>	<b>SB</b>
		PM	14.2	B	SB	19.2	C	SB

Notes: **Bold** text indicates intersection operates at a deficient Level of Service compared to the applicable standard.

1. AM = morning peak hour, PM = evening peak hour

2. Whole intersection weighted average control delay expressed in seconds per vehicle calculated using methods described in the Highway Capacity Manual 6<sup>th</sup> Edition.

3. LOS = Level of Service.

# Reference Documents

**ORCHARD MESA  
NEIGHBORHOOD PLAN 2014:**  
[orchard-mesa-neighborhood-  
plan.pdf \(mesacounty.us\)](#)

**GRAND JUNCTION 2018  
CIRCULATION PLAN:**  
[grand-junction-circulation-plan.pdf  
\(mesacounty.us\)](#)

**GRAND VALLEY 2045  
REGIONAL TRANSPORTATION  
PLAN UPDATE:**  
[2045-regional-transportation-plan-  
.pdf \(mesacounty.us\)](#)

**MESA COUNTY MASTER PLAN:**  
[Master Plan - Mesa County,  
Colorado](#)

**GRAND JUNCTION / MESA  
COUNTY TRANSPORTATION  
ENGINEERING DESIGN  
STANDARDS:**  
[Title 29 TRANSPORTATION  
ENGINEERING DESIGN  
STANDARDS \(TEDS\)  
\(codepublishing.com\)](#)

**MESA COUNTY COORDINATED  
TRANSIT & HUMAN SERVICES  
TRANSPORTATION PLAN:**  
[Mesa-County-Coordinated-Public-  
Transit-Human-Services-  
Transportation-Plan\\_Final.pdf  
\(gv2045rtp.com\)](#)

**CDOT STATEWIDE  
TRANSPORTATION PLAN:**  
[CDOT Statewide Transportation  
Plan, Adopted August 20, 2020  
\(codot.gov\)](#)

**CDOT ROADWAY DESIGN  
GUIDE:**  
[codot-rdg-2018 \(codot.gov\)](#)

**ONE GRAND JUNCTION  
COMPREHENSIVE PLAN:**  
[Grand-Junction-Comprehensive-  
Plan-PDF \(gjcity.org\)](#)

**GRAND JUNCTION BICYCLE  
ROUTE WAYFINDING:**  
[Bicycle Route Wayfinding | Grand  
Junction, CO \(gjcity.org\)](#)

**GRAND VALLEY TRANSIT  
STRATEGIC PLAN:**  
[Microsoft Word - Draft Report  
FINAL.docx \(mesacounty.us\)](#)