



Interstate 10/Baseline Road Traffic Interchange Study

Overview

The Arizona Department of Transportation (ADOT) is studying potential improvements to traffic flow, pedestrian and bicycle facilities and safety at the I-10/Baseline Road traffic interchange. Due to the high traffic volume and congestion in the area, the current interchange design may no longer be adequate to meet the needs of the traveling public.

The study will develop and evaluate design concepts for the alternatives and identify the preferred design alternative as part of the Design Concept Report (DCR) and environmental study, taking into account current and future traffic volumes and existing and new surrounding development.

Project Purpose and Need

Baseline Road at I-10 is a major arterial road serving approximately 60,000 vehicles per day and experiences heavy congestion and delays. There are several intersections and numerous driveways along the corridor serving adjacent commercial and residential development, which contribute to congestion and crashes. The corridor has a higher rate of crashes compared to the region. Additionally, the corridor has heavy pedestrian and bicycle traffic, with connectivity and safety challenges.

Due to these issues, the development and evaluation of alternatives to address the interchange and infrastructure was deemed necessary. A feasibility study completed in May 2020 by the Maricopa Association of Governments (MAG) identified potential solutions to relieve congestion and improve traffic flow in this corridor with various improvements to the I-10/Baseline Road traffic interchange and serves as the basis for the current study. The purpose of this study and project is to further evaluate the two design options for the interchange and select a preferred alternative for further action.

Study Elements

The engineering study will develop, evaluate and compare preliminary roadway design alternatives and their impacts to existing traffic and environmental factors to select the preferred design option. The study will include evaluating the following items:

- Improving the existing diamond interchange or converting the existing interchange to a diverging diamond interchange.
- Consolidating driveway access on Baseline Road.
- Reducing the number of signalized intersections near the interchange.
- Improving traffic operations along Baseline Road.

The project would occur primarily within ADOT and city of Tempe right-of-way (ROW). Some ROW and/or temporary construction easements from adjacent properties are anticipated to make these improvements. ROW needs will be evaluated as part of the study but would be determined as part of a future final project design.



Schedule

The study is expected to conclude in 2024. The project is not currently funded for final design and construction. The anticipated schedule of study activities and opportunities to participate is included below.

May 2023
Public Scoping Meeting

Fall 2023
Public Meeting for
Design Alternatives

2024
DCR and Environmental
Study completed

Stay Informed

Subscribe to receive project updates at azdot.gov/i10baseline. ADOT welcomes your questions and comments. Please contact us in any of these ways:

- ▶ **Online:** <http://tinyurl.com/yv6vwbst>
- ▶ **Phone:** 855.712.8530 (English/Spanish)
- ▶ **Email:** NGBecerra@azdot.gov
- ▶ **Mail:** ADOT Community Relations, 1655 W. Jackson St., MD126F, Phoenix, AZ 85007

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