I-19 East Frontage Road

Ruby Road to Rio Rico Drive

Public Meeting – Open House

January 29, 2014

ADOT Project No. 019 SC 007 H8401 01L

Federal Aid No. 019-A(217)T

U.S. Department of Transportation
Federal Highway Administration

ADOT

Project Overview

We are conducting a Planning study to look at enhancing traffic flow at the I-19 and Ruby Road traffic interchange and along the I-19 east frontage road (EFR) from Ruby Road to Rio Rico Drive.

Project Overview

- Key elements of this study are to:
  - analyze existing traffic operations and identify alternatives that will improve current and future traffic flow needs.
  - Determine the potential impacts of each alternative.
  - estimate costs of improvements.
  - complete the study in accordance with the FHWA PEL process.

Improvement Alternatives

- Looked at many improvement alternatives
- Currently six improvement alternatives
  - No Build
  - Four build alternatives
  - One sub-alternative

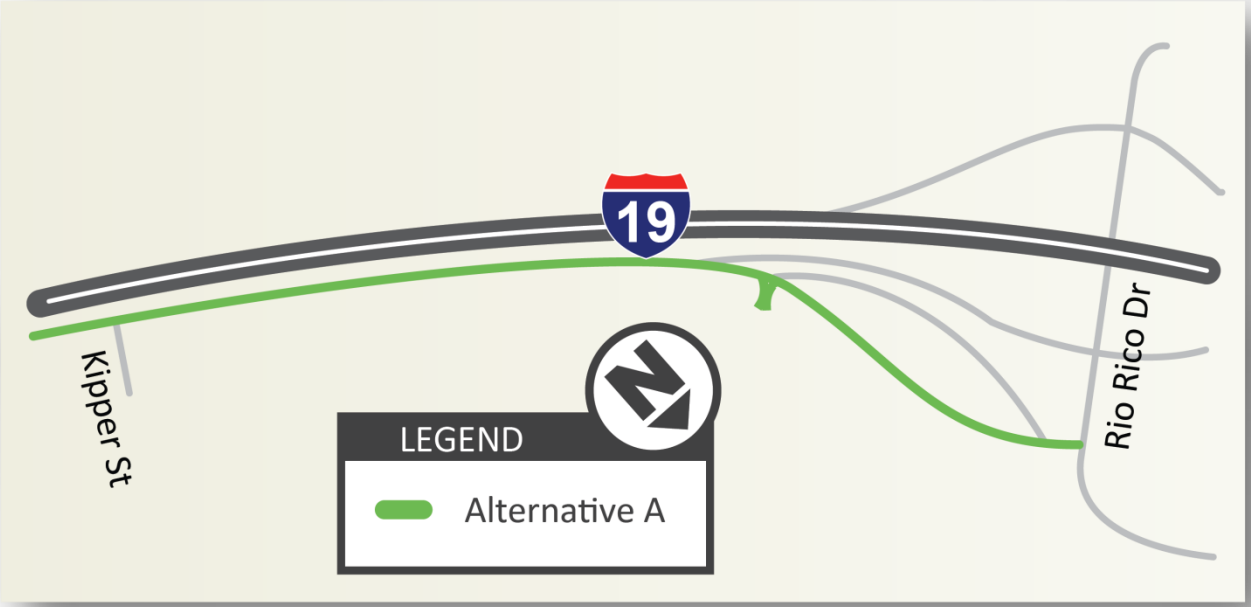
No Build

- Everything stays the same as it is today

Improvement Alternative A

Two-way frontage road extension to Rio Rico Drive

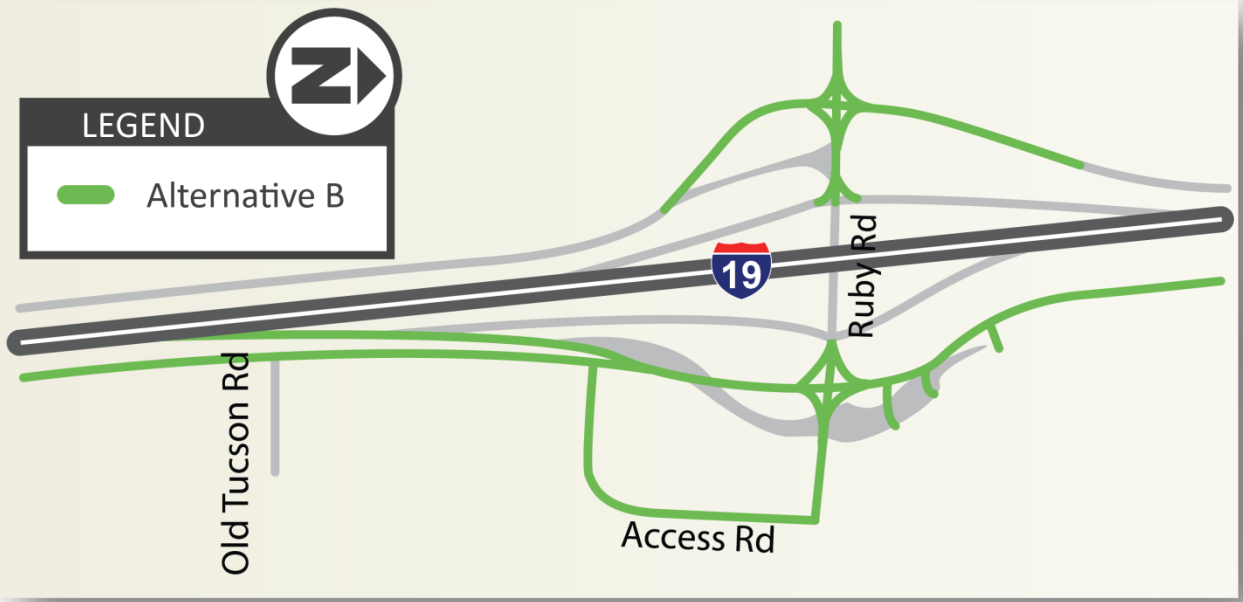
- A two-way frontage road the entire length between Ruby Rd. and Rio Rico Dr. would allow ingress/egress to the business park from both adjacent I-19 traffic interchanges (TI), thereby reducing backtracking. However, the Ruby Rd TI intersections are not improved.



Improvement Alternative B

One-Way EFR South of Ruby Road, New Access Road

- This alternative would convert the east frontage road south of Ruby Road to one-way northbound and combine it with the northbound I-19 exit ramp.



Improvement Alternative B1

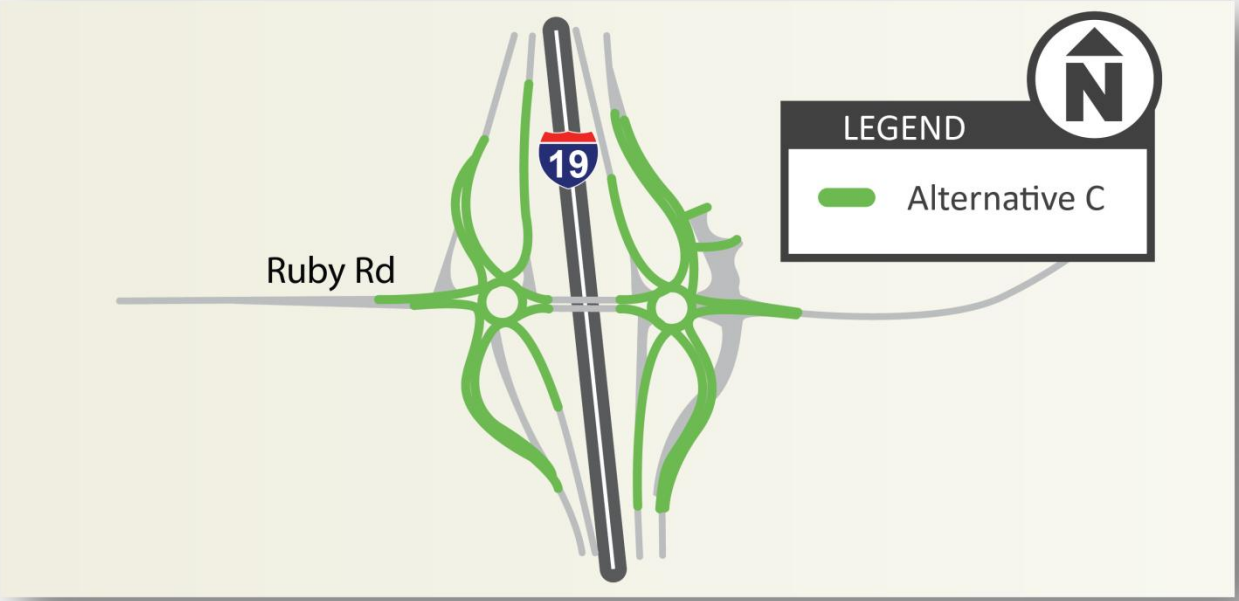
One-Way EFR South of Ruby Road, Southbound Access via I-19

- This is a sub-alternative of Alternative B. The land in the southeast quadrant of the I-19/Ruby Road TI is privately owned and may be developed as a truck stop; therefore, it may not be feasible to acquire part of the parcel for the access road included in Alternative B. Alternative B1 would not provide direct southbound access in the southeast quadrant of the Ruby TI; rather, southbound traffic south of Ruby Road would need to travel south on I-19 or the west frontage road to access homes and businesses south of Ruby Road and east of I-19.

Improvement Alternative C

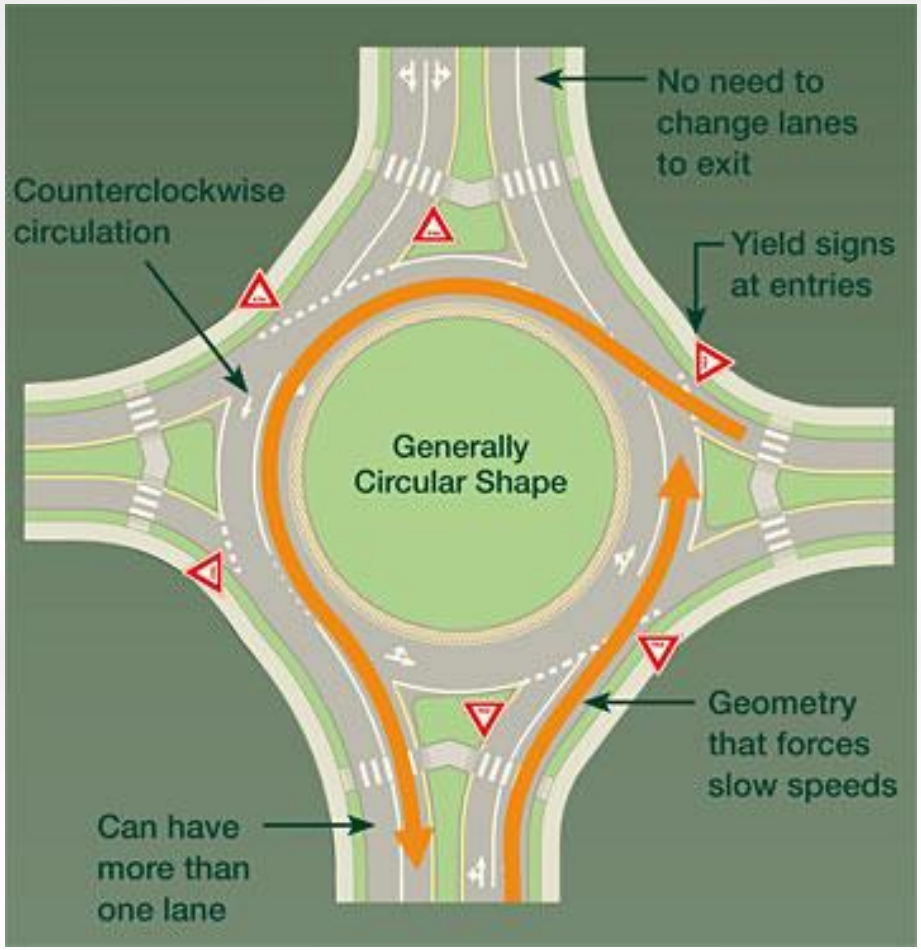
Roundabout Interchange

- This alternative would reconstruct the I-19/Ruby Road TI as a roundabout interchange.



Improvement Alternative C

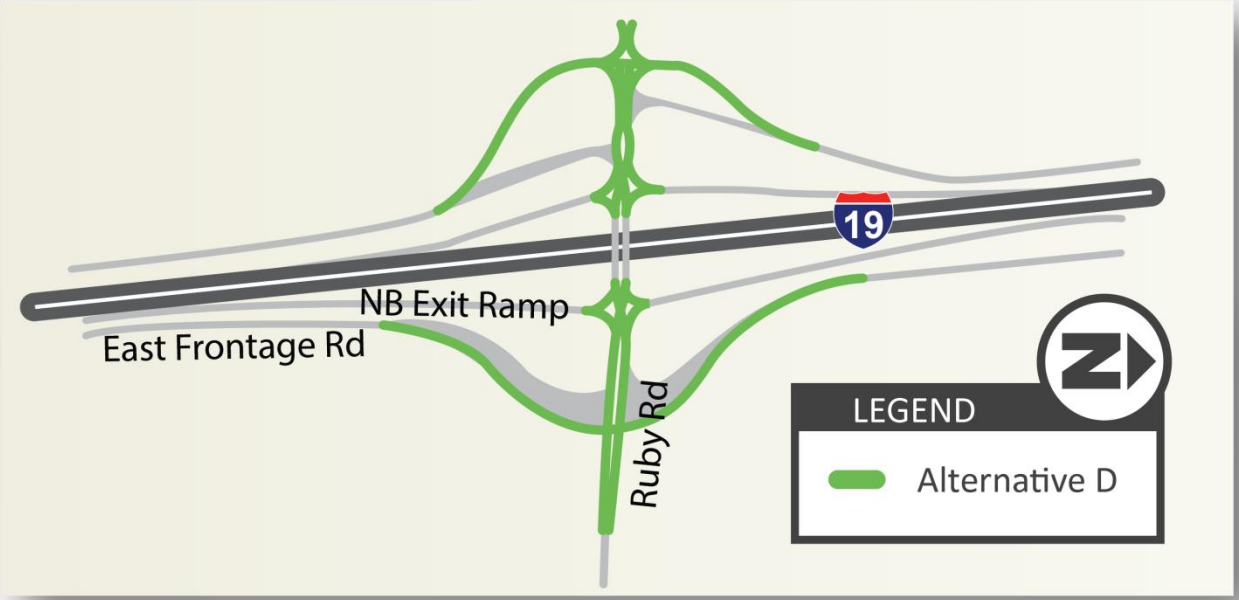
Roundabout Diagram (graphic representation only)



Improvement Alternative D

Diverging Diamond Interchange (DDI)

- This alternative would reconstruct the I-19/Ruby Road TI to a DDI. With a DDI interchange, crossroad traffic crosses to the opposite side of the roadway within the limits of the interchange to allow free right and left turns to and from the I-19 ramps.



Improvement Alternative D

DDI Traffic Flow Diagram (graphic representation only)

Alternatives Evaluation Process

Criteria	No Build	A	B	B1	C	D	Highest Ranking Alternatives*
Level of Service(2040) Ruby Road/EFR Rio Rico Road/EFR	 F E	 F B	 D E	 D E	 B E	 C E	C,D
Circulation	✗	✗	✓	✗	✓	✓	B,C,D
Additional Structures	0	0	1	1	1	0	A,D
Additional Drainage Needs	0	1	3	3	2	2	A
Utility Impacts	✓	✗	✗	✗	✓	✓	C,D
Land Use Impacts	✓	✓	✗	✗	✓	✓	A,C,D
Floodplain	✓	✗	✗	✗	✗	✗	--
Implementation**	--	1	1 or 2	1 or 2	1	1	B,B1
Constructibility	✓	✓	✗	✗	✗	✗	A
Right of Way (acres)	0	5.52	3.18	1.56	1.37	4.37	C,B1
Estimated Construction Costs (R/W Cost Excluded)	$0	$3.3m	$6.4m	$6.0m	$7.9m	$7.2m	A

Legend

✓ = Good

✗ = Poor

Project Schedule

What's Next?

In order for any potential project to move forward, it would need to be added to ADOT's Five-Year Transportation Facilities Construction Program.

- The Five-Year Program serves as a blueprint for future projects and designates how much local, state and federal funding is allocated for those projects.
- A potential project goes through several levels of review before it is placed into the program and presented to the State Transportation Board for consideration and formal approval.

Q&A Session

- Write questions on the question card.
- Cards will be collected by ADOT staff.
- Questions will be read aloud by Paki Rico.
- Project team members will answer questions

Need another question card? Raise your hand.

Your Input is Important!

Provide your comments tonight

- Drop your comment form off at the welcome table

Comment deadline is February 12, 2014

- Mail in written comments
- Email comments to projects@azdot.gov
- Phone in comments to 855.712.8530
- Submit comments online – azdot.gov/I19Ruby

Thank you!