

**I-19 East Frontage Road
Ruby Road to Rio Rico Drive
Public Meeting – Open House**

September 13, 2017

ADOT Project No. 019 SC 007 H8401 02L

Federal Aid No. 019-A(217)T

Estamos presentando información en inglés esta noche. Para ayuda en español, por favor hable con Sebastian Tonazzi. Gracias.

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ADOT Self-Identification Survey Cards

- ▶ Self-identification survey cards are available at this meeting
- ▶ ADOT asks that you fill one out and turn it in before you leave
- ▶ The information you provide helps ADOT determine who attends public meetings
- ▶ The information is anonymous
- ▶ The information enables ADOT to fulfill federal reporting requirements from the Federal Highway Administration (FHWA)
- ▶ **Completing the survey is voluntary**

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 frontage roads 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.

Improvement Alternatives

- ▶ Looked at many improvement alternatives
- ▶ Current improvement alternatives
 - No Build
 - Three interchange build alternatives
 - Two sub-alternatives
 - Two 'supplemental' alternatives

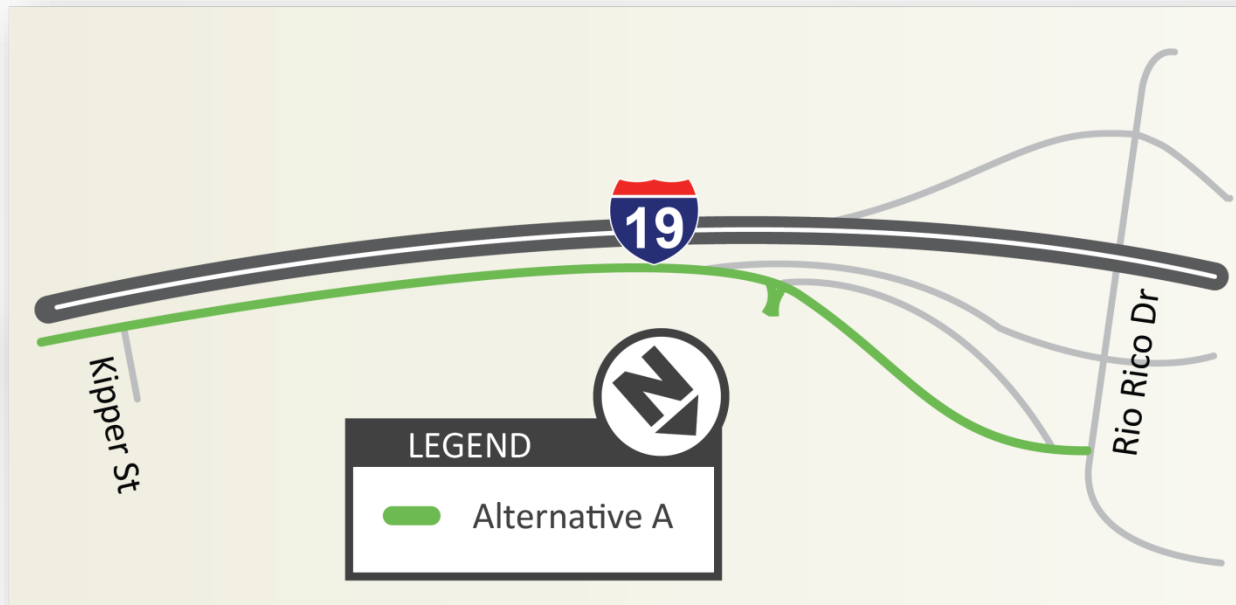
No Build

- ▶ Everything stays the same as it is today

Improvement Alternative A

Two-way frontage road extension to Rio Rico Drive

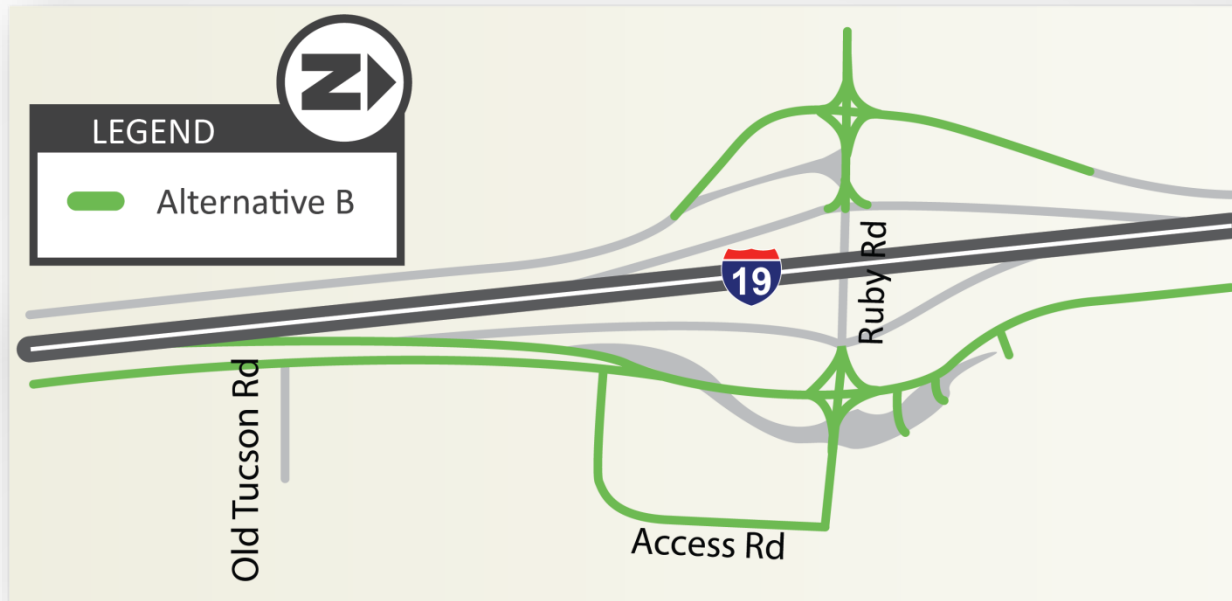
- ▶ A two-way frontage road the entire length between Ruby Rd. and Rio Rico Dr. would allow ingress/egress to the business park from both adjacent I-19 traffic interchanges (TI), thereby reducing backtracking. However, the Ruby Rd TI intersections are not improved.



Improvement Alternative B

One-Way East Frontage Road South of Ruby Rd, 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 East Frontage Road South of Ruby Road, SB Access via I-19

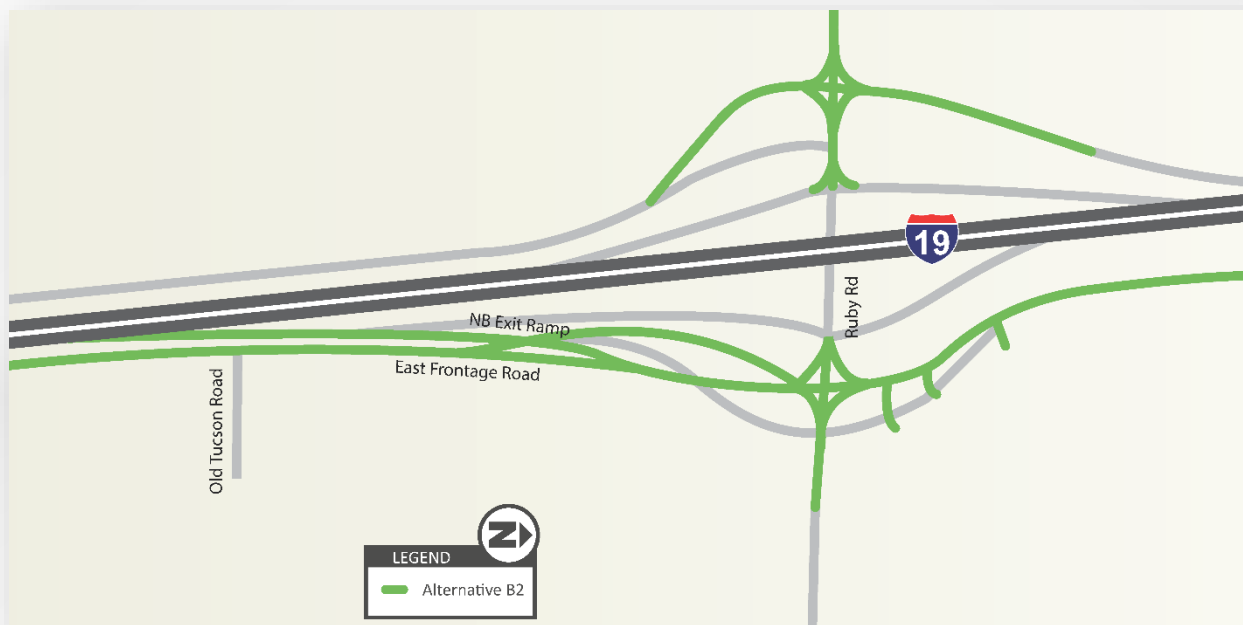
- ▶ This is a sub-alternative of Alternative B. The land in the southeast quadrant of the I-19/Ruby Road TI is privately owned and may be developed as a truck stop; therefore, it may not be feasible to acquire part of the parcel for the access road included in Alternative B. Alternative B1 would not 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 B2

One-Way East Frontage Road South of Ruby Road, SB Access via I-19

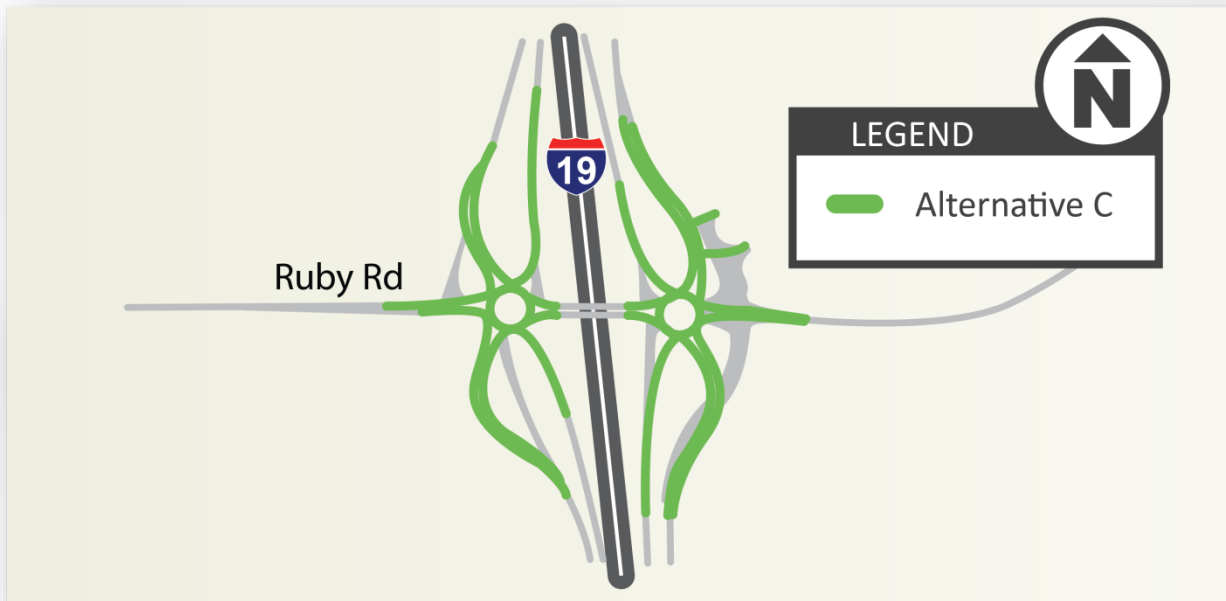
- ▶ This is another sub-alternative of Alternative B. The land in the southeast quadrant of the I-19/Ruby Road TI is privately owned and may be developed as a truck stop; therefore, it may not be feasible to acquire part of the parcel for the access road included in Alternative B. Alternative B2 provides direct southbound access on the east frontage road by “braiding” the I-19 northbound exit ramp and the east frontage road and constructing a new bridge over the southbound east frontage road.



Improvement Alternative C

Roundabout Interchange

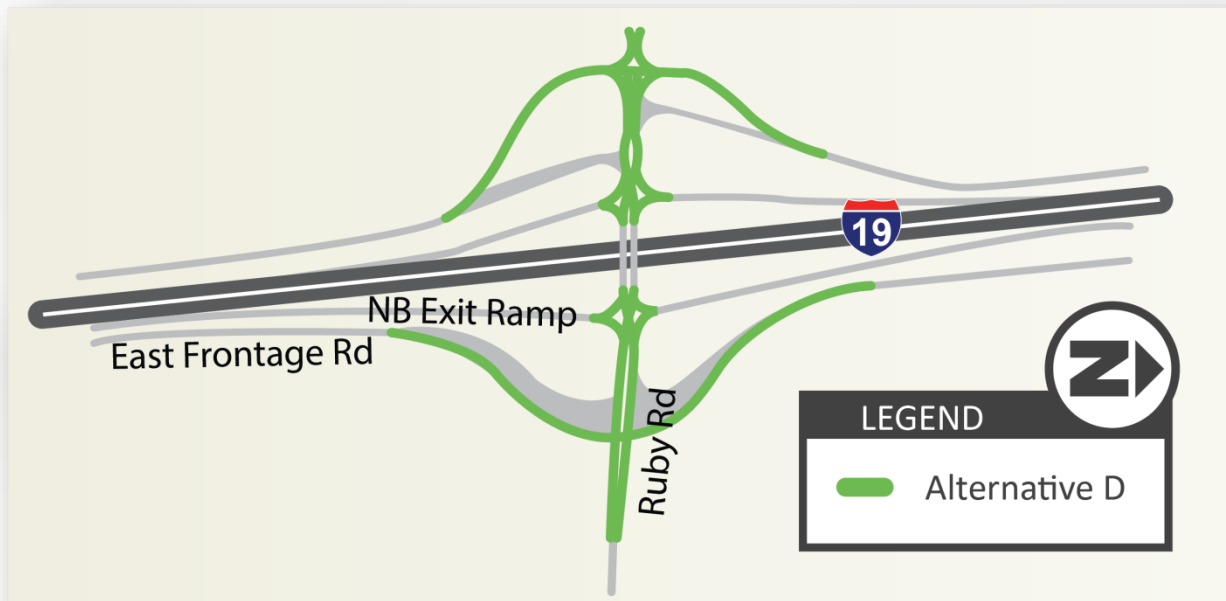
- ▶ This alternative would reconstruct the I-19/Ruby Road TI with roundabout intersections. Two six-leg roundabouts would combine the frontage roads and ramps into the same intersection, one on each side of I-19.



Improvement Alternative D

Diverging Diamond Interchange (DDI)

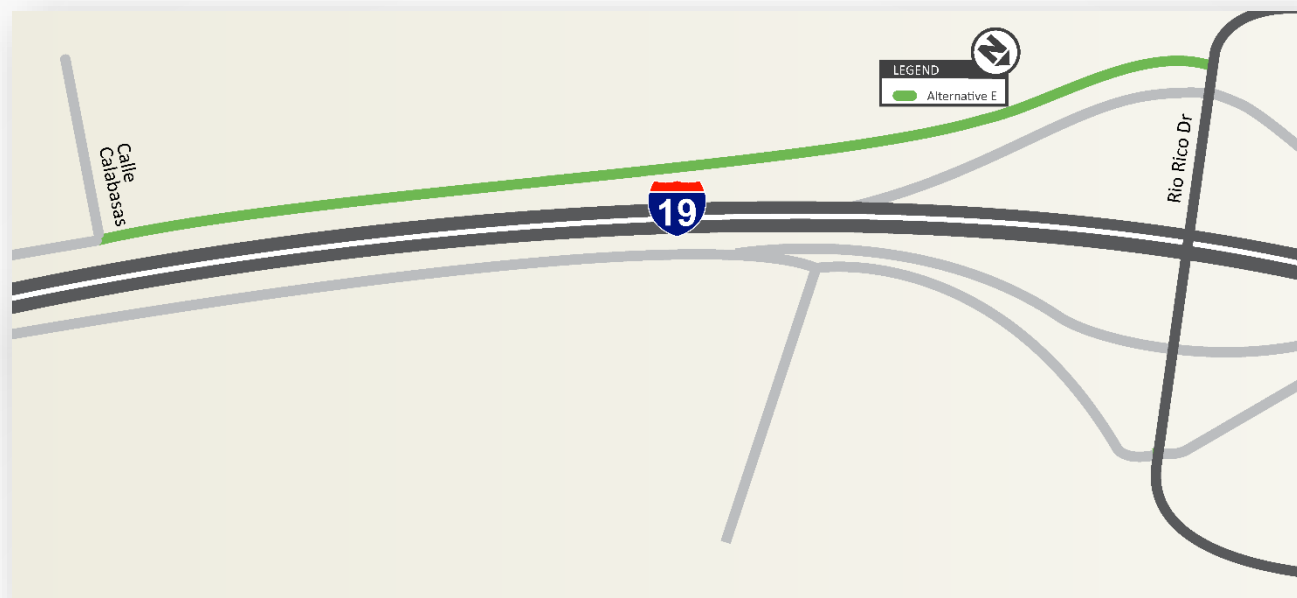
- ▶ This alternative would reconstruct the I-19/Ruby Road TI to a DDI. With a DDI interchange, crossroad traffic crosses to the opposite side of the roadway within the limits of the interchange to allow free right and left turns to and from the I-19 ramps.



Improvement Alternative E

Two-way frontage road extension to Rio Rico Drive

- ▶ A two-way west frontage road the entire length between Ruby Rd. and Rio Rico Dr. would reduce traffic congestion by completing the frontage road system and improving circulation. However, the Ruby Rd TI intersections are not improved.



Alternatives Evaluation Process

Criteria	No Build	A	B	B1	B2	C	D	E	Highest Ranking Alternatives*
Level of Service (2040)									
Ruby Road / EFR AM(PM)	F	D(E)	C(C)	C(C)	C(C)	A(B)	C(C)	C(C)	C
Circulation	✗	✓	✗	✗	✓	✓	✓	✓	A, B2, C, D, E
Additional Structures	0	0	1	1	6	1	0	0	A, D, E
Additional Drainage Needs	0	1	3	3	3	2	2	2	A
Utility Impacts	✓	✗	✗	✗	✗	✓	✓	✓	C, D, E
Implementation**	--	1	1 or 2	1 or 2	1 or 2	1	1	1	B, B1, B2
Construction Traffic Impacts	--	✓	✗	✗	✗	✗	✗	✓	A, E
Right of Way (acres)	--	5.52	3.18	1.56	1.68	1.37	4.37	15.88	C
Estimated Construction Costs (R/W Cost Included)	\$0	\$5.8m	\$9.8m	\$8.5m	\$11.5m	\$12.0m	\$10.6m	\$7.4m	A
Carry Forward	N/A	Yes	No	No	Yes	Yes	Yes	Yes	

Legend

✓ = Good

✗ = Poor

Recommendations

- Eliminate Alternatives B and B1 from further consideration.
- Request public input on Alternatives B2, C, and D.
- Alternatives A and E may be funded and constructed along with the recommended interchange alternative B2, C, or D, or separately.

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.
- Project team members will answer questions.

Open House

- View project displays.
- Visit with and ask questions of project staff.
- Provide comments.

Your Input is Important!

Provide your comments tonight

- ▶ Drop your comment form off at the welcome table

Comment deadline is October 13, 2017

- ▶ Mail in written comments

ADOT Communications

1655 W. Jackson Street, MD 126F

Phoenix, AZ 85007

- ▶ Email comments to projects@azdot.gov
- ▶ Phone in comments to 855.712.8530

Thank you!