



NEW MEXICO DEPARTMENT OF
TRANSPORTATION
SAFETY FOR EVERYONE

Phases I-A/B, I-C, and I-D
Paseo del Volcan (NM 347)
FROM RAINBOW BLVD. TO SOUTHERN BLVD.

Public Meeting
August 6th, 2025
CN A301573

Parametrix

Topics to be Discussed

- Introductions
- Meeting purpose
- Project objective and need
- Project Alternatives
- Recommended Alternative
- Project Impacts
- Next Steps



Purpose of Tonight's Meeting

- Share information about the proposed extension of Paseo del Volcan **(PDV)** and our findings and recommendations from engineering and environmental evaluations
- Draft report for the study can be viewed online.
- Answer questions from the public and obtain your input. Input received at tonight's meeting will be used to make final recommendations.



Prior Public Input and Questions

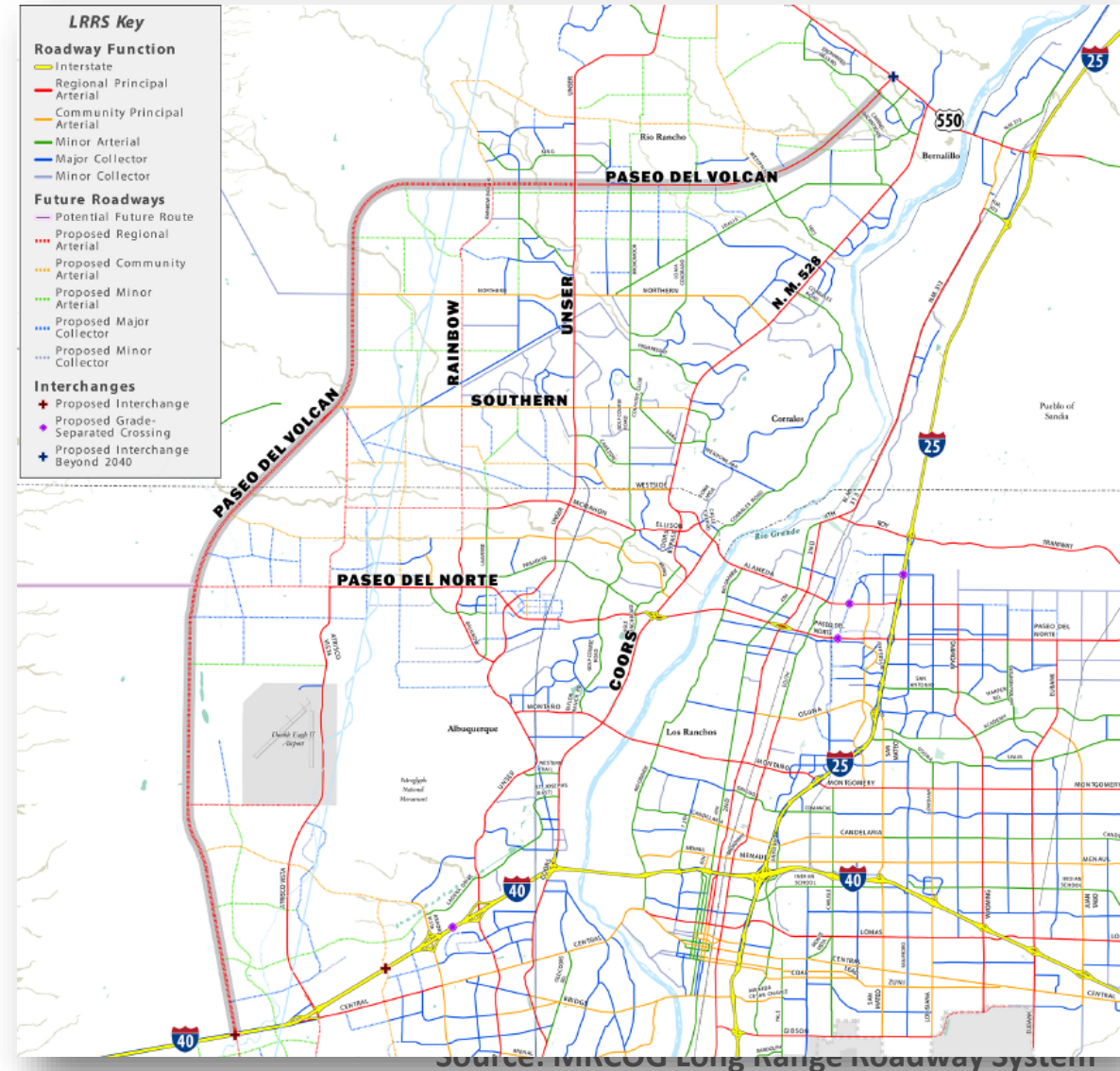
- Previous questions and comments from the public were collected using:
 - Community questionnaire performed last summer
 - Open House meeting held last August
- Survey responses and questions asked at the last meeting
 - Problems crossing arroyos due to water flow, mud after storms, and sand
 - Poor condition of existing roads and lack of maintenance
 - Desire street lighting at major intersections (and concern with street lighting)
 - Desire for a paved bicycle/pedestrian path and use of road shoulders for bikes
 - Concern with increased traffic and noise
 - Loss of access to bulk fill water station on Northern and 21st St.



Project Location & Background

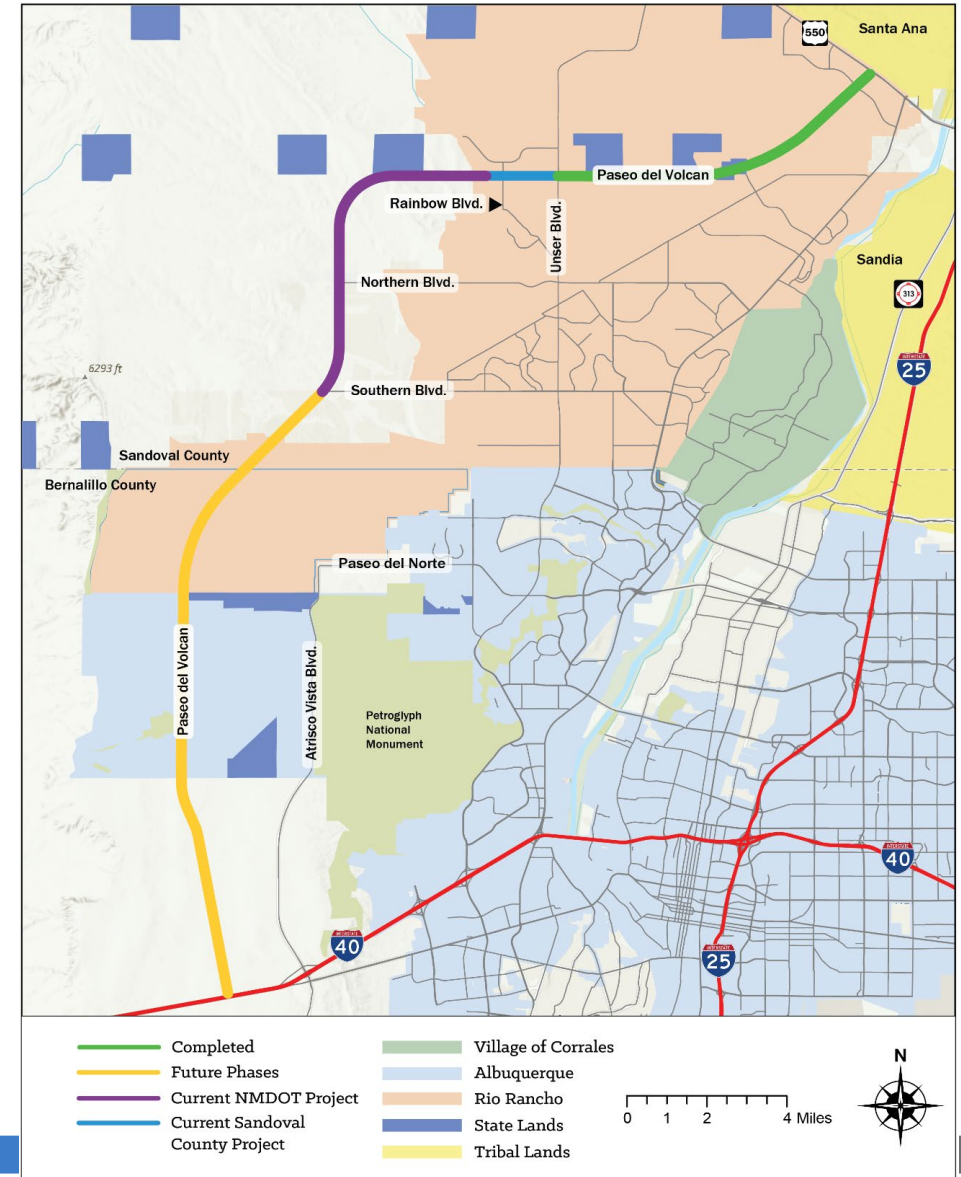
PDV is...

- a planned major transportation corridor that will connect I-40 to I-25.
- Is a major link in the Albuquerque and Rio Rancho west side roadway system
- Has been part of the regional long-range road system for over 20 years
- The alignment and location were established by a study prepared in the early 2000's



Project Location & Background

- Right-of-way acquisition for the entire corridor began around 2005 and has been continuous since. Acquisition is mostly complete and has set aside a ~400-foot swath for the roadway.
- The first construction phase of PDV from US 550 to Unser Blvd. was completed in 2009
- Current project is shown by the purple line and includes the PDV corridor from Southern Blvd. to Rainbow Blvd.
- The segment between Rainbow Blvd. and Unser Blvd. (blue line) is being advanced by Sandoval County



Why is PDV Needed?

Overall PDV Corridor

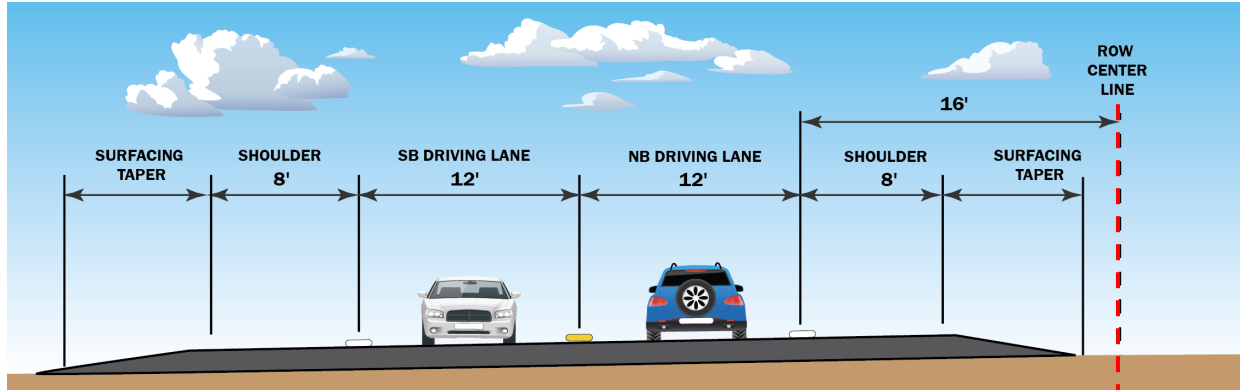
- Provides an arterial connection linking I-40 and I-25 on the metropolitan west side
- Provides a north-south linkage to existing and planned east-west arterials
- Improves access and mobility to existing and planned west side developments

Rainbow Blvd to Southern Blvd Project

- Continued implementation of the overall PDV corridor
- Improves access and mobility of the existing developments along 20th Ave., especially during major weather events

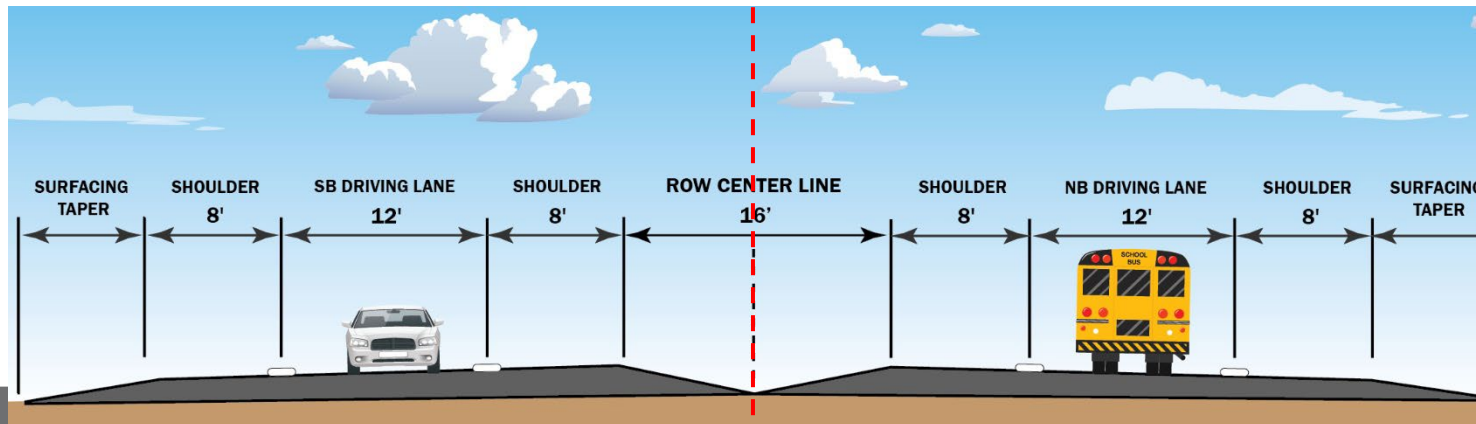
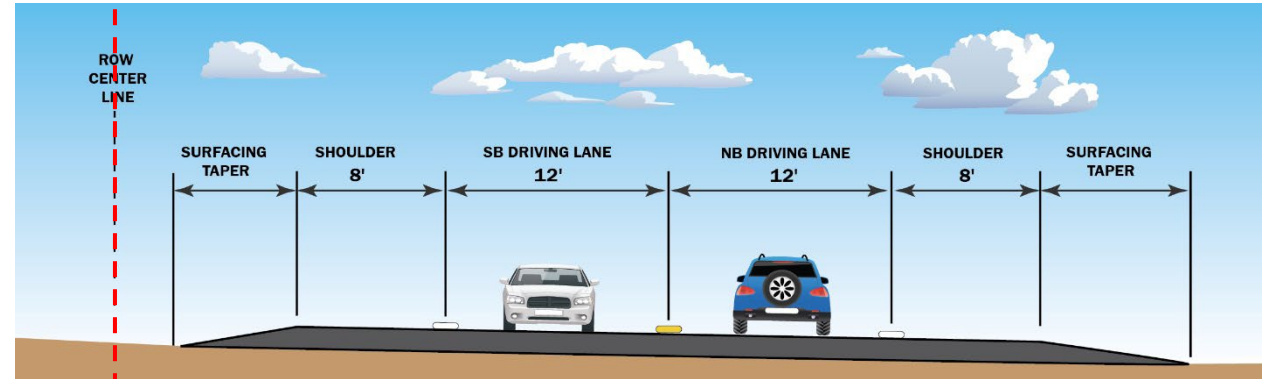


Roadway Alternatives Considered



Alternative 1: 2-lane offset to left of ROW centerline

Alternative 2: 2-lane offset to right of ROW centerline



Alternative 3: 2-lane with median and centered on ROW centerline

Evaluation of Alternatives

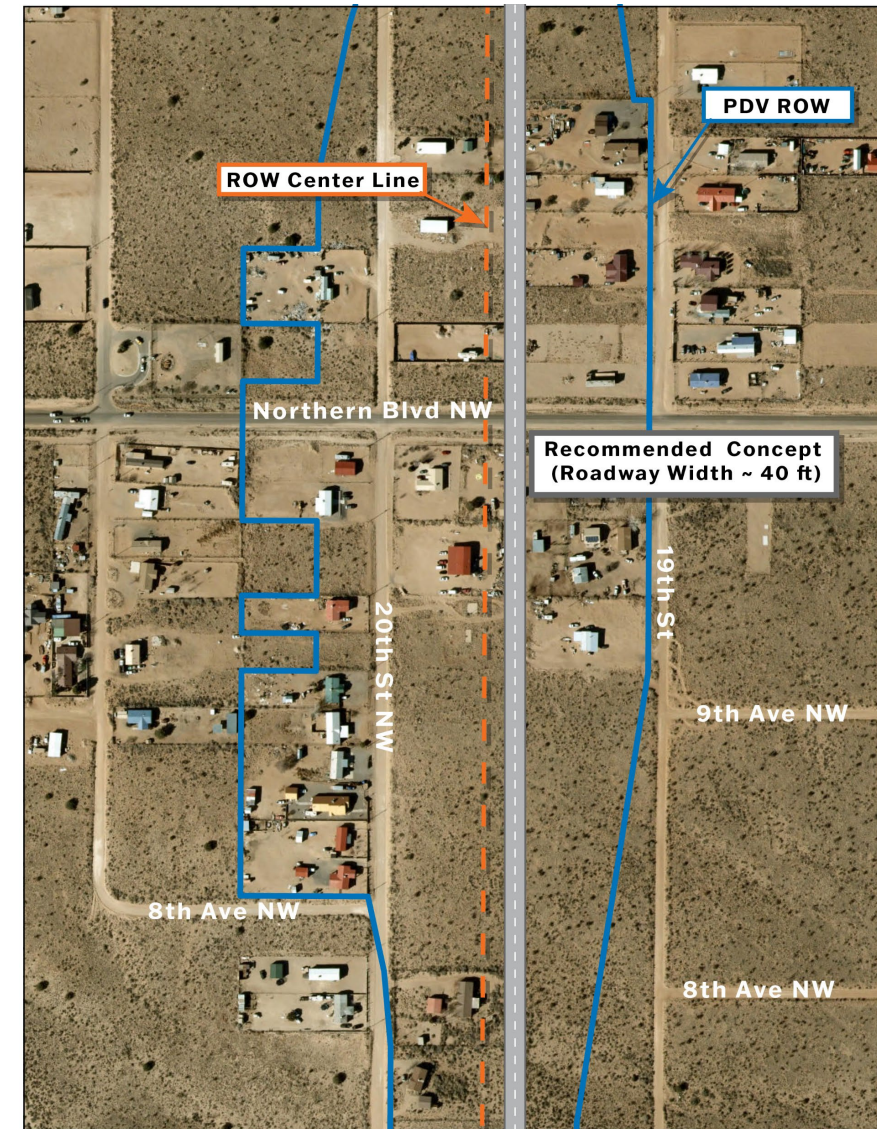
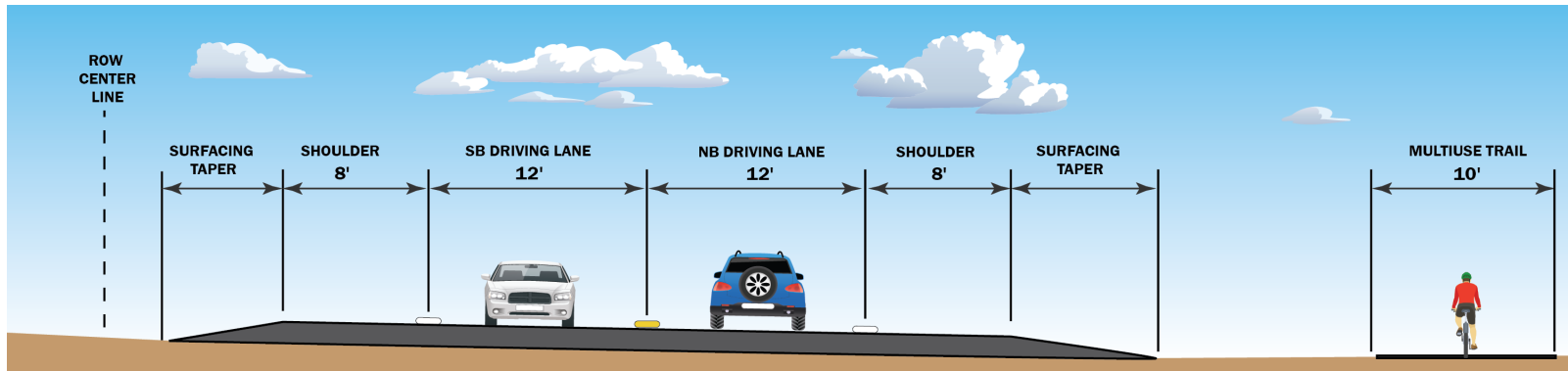
- The initial evaluation of the alignment alternatives considered engineering feasibility, drainage needs, community/environmental and cultural resource impacts, and costs



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Recommended Alternative

- 2-lane offset to right (east/south) of ROW centerline
- 10-foot multi-use trail offset ~ 50 ft. to the east for bikes and pedestrians. Bicycles will also be able to use the road shoulder.
- Best overall performance, reduced earthwork, preferred drainage approach, and alignment with Sandoval County segment at Rainbow Blvd.



Intersection Improvements

- Southern Blvd. is realigned approaching PDV to improve driver visibility at the intersection
- Northern Blvd. is reconstructed between 19th St. and 20th St. to provide safe access at these two cross streets

Realignment of Southern Blvd. for ~ .32 miles

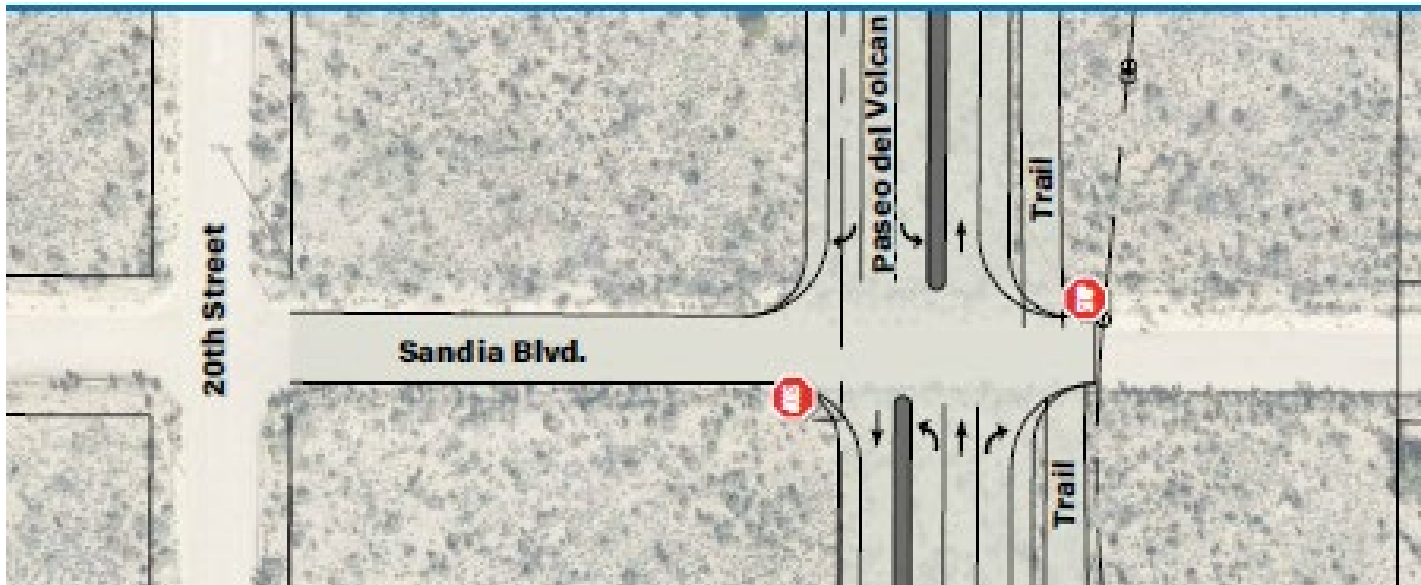


Reconstruction of Northern Blvd. for ~ .25 miles and intersections at 19th St. and 20th St.



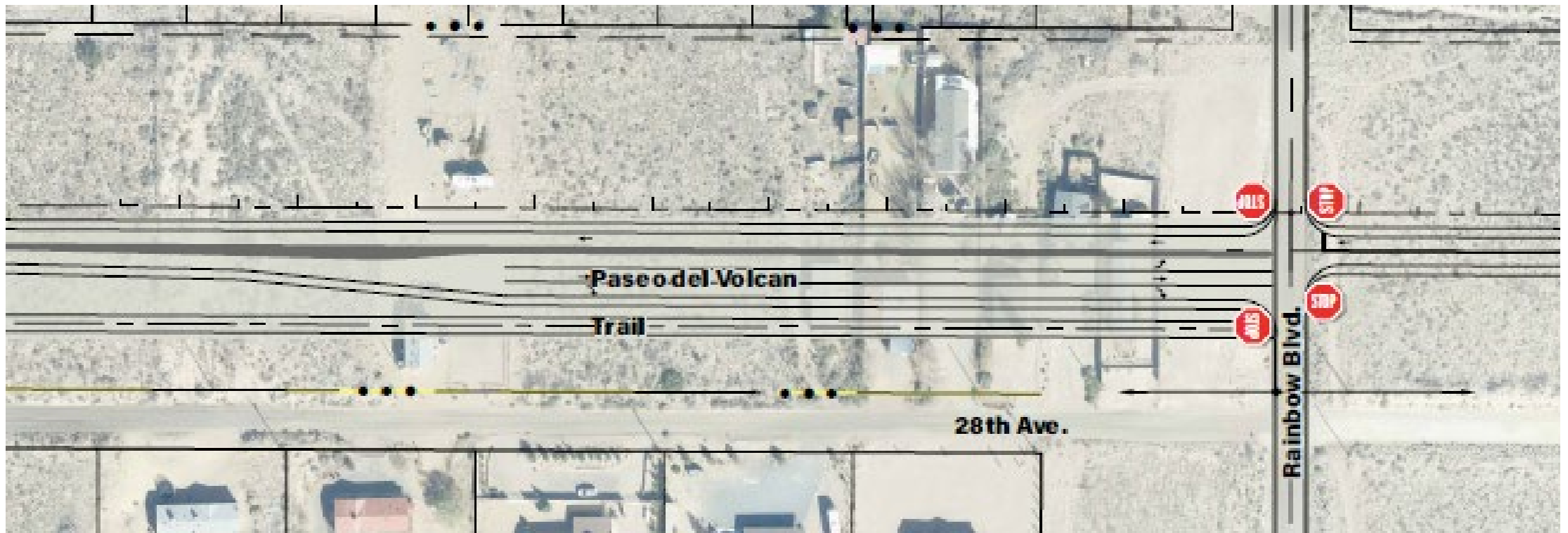
Major Intersections

- Sandia Blvd. and 19th Ave. will be connected to PDV as future major access points.
- Both 29th Ave. and 28th Ave. are realigned approaching Vista Road.

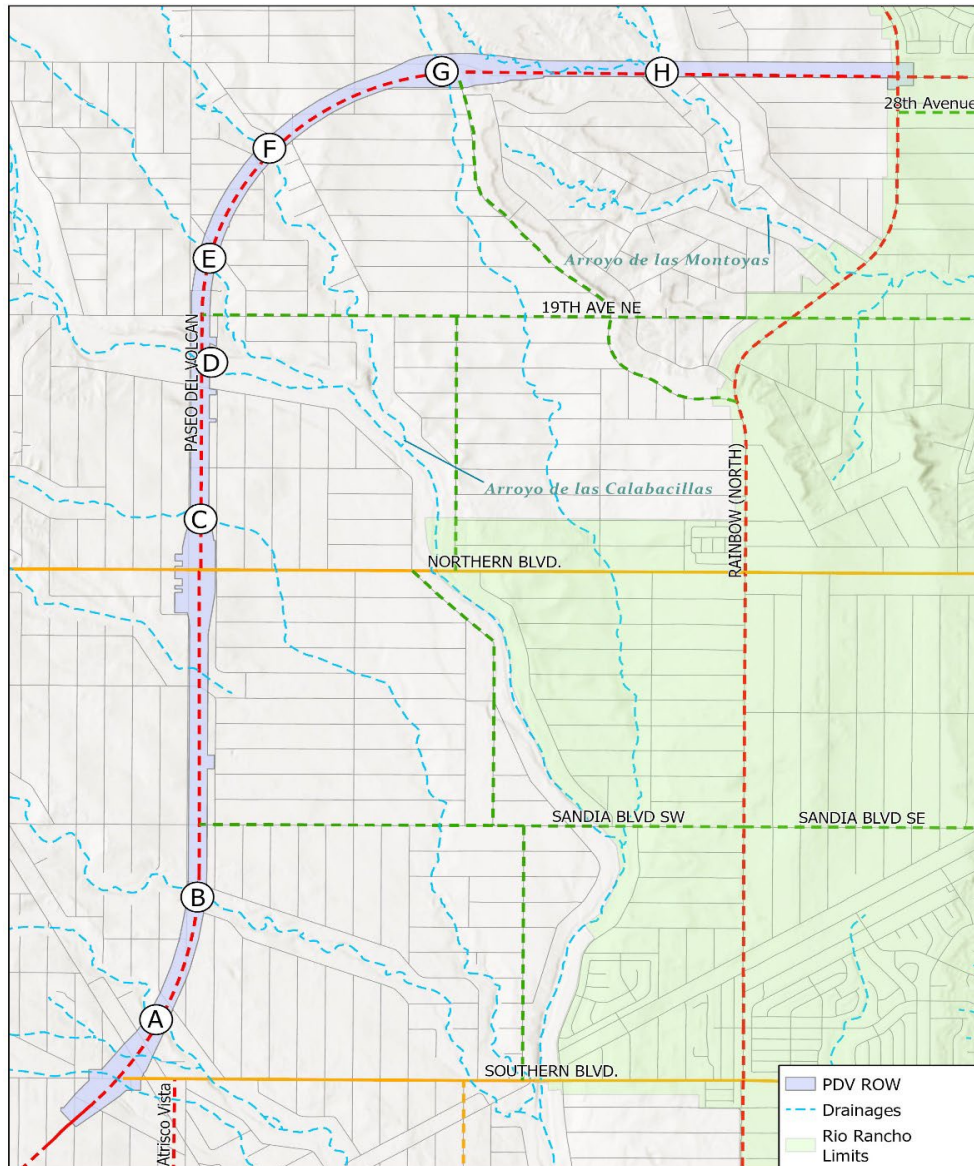


Major Intersections

- The configuration of PDV at Rainbow Blvd. is still under development and must match up with the improvements to the east
- Intersection of PDV at Rainbow Blvd. will be 4-way stop-controlled



Drainage Analysis and Design

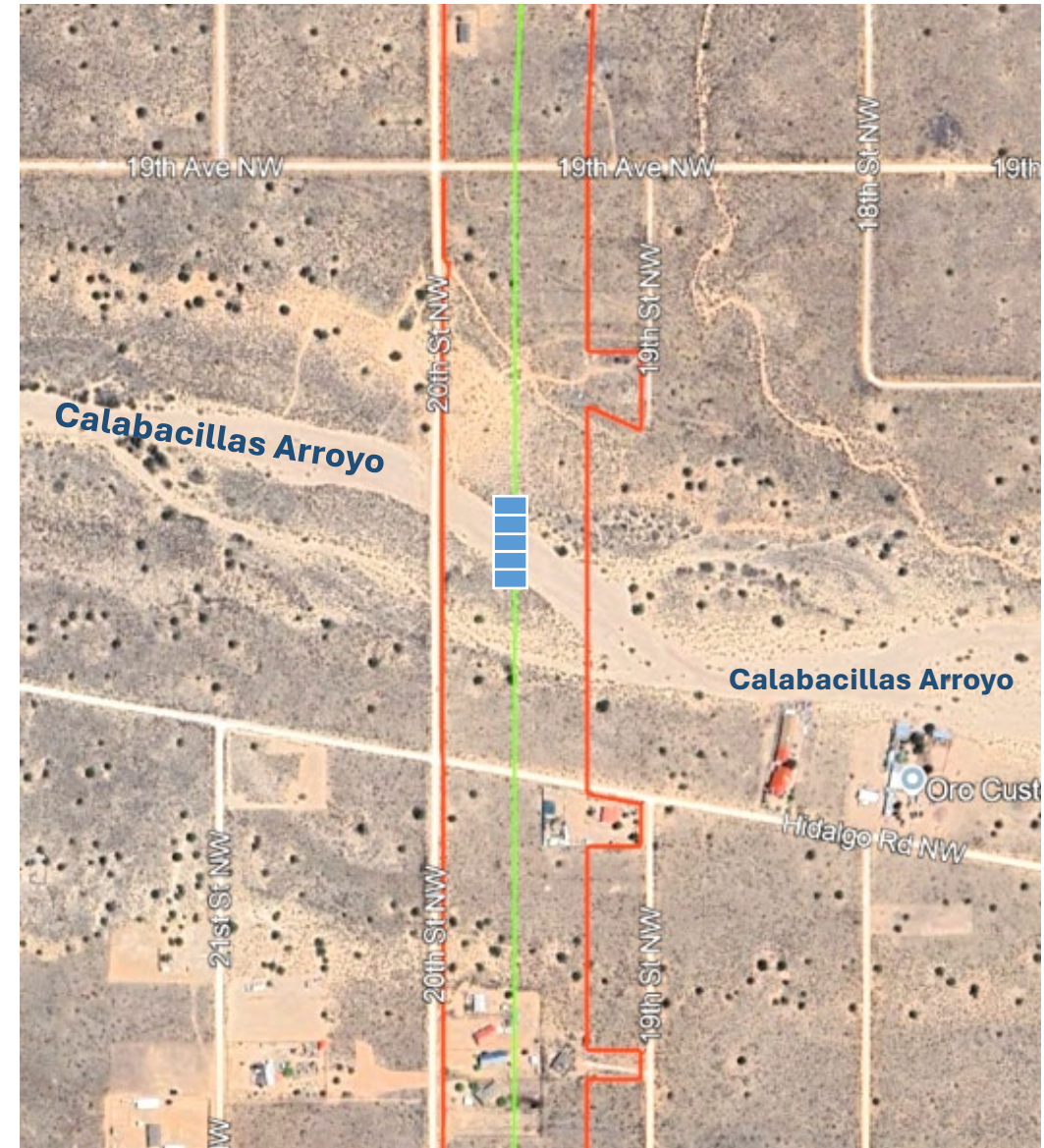


- The proposed roadway will cross 20 drainage channels of various sizes
- Concrete Box Culverts (CBC's) and pipes will be used at all drainage crossings
- Major drainage structures will be constructed where PDV crosses the Calabacillas Arroyo and its tributaries and Arroyo de las Montoyas and its tributaries
- Small channels parallel to PDV will be constructed in the northern part of the project area

Calabacillas Arroyo

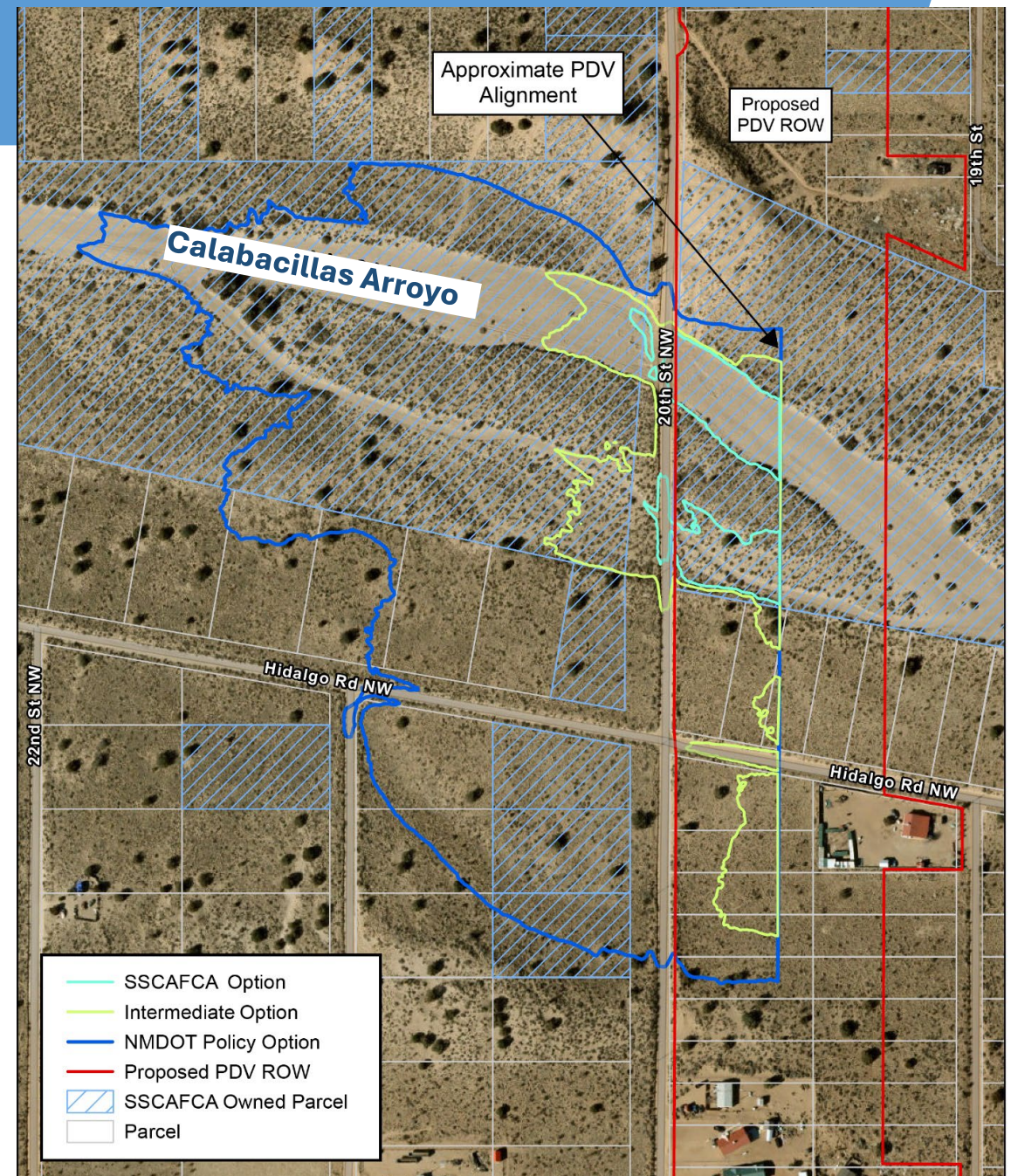
A large structure is needed at the Calabacillas Main Channel. Two design concepts were considered

- Bridge structure spanning the existing 150-foot active channel or the entire 500-foot floodplain
- Bridge options were eliminated due to their high cost (\$12M to \$34 M)
- Various lengths of multi-barrel concrete box culverts (CBC) spanning the active channel
- CBC structure consisting of 14 – 12' x 10' boxes selected for their performance and affordability



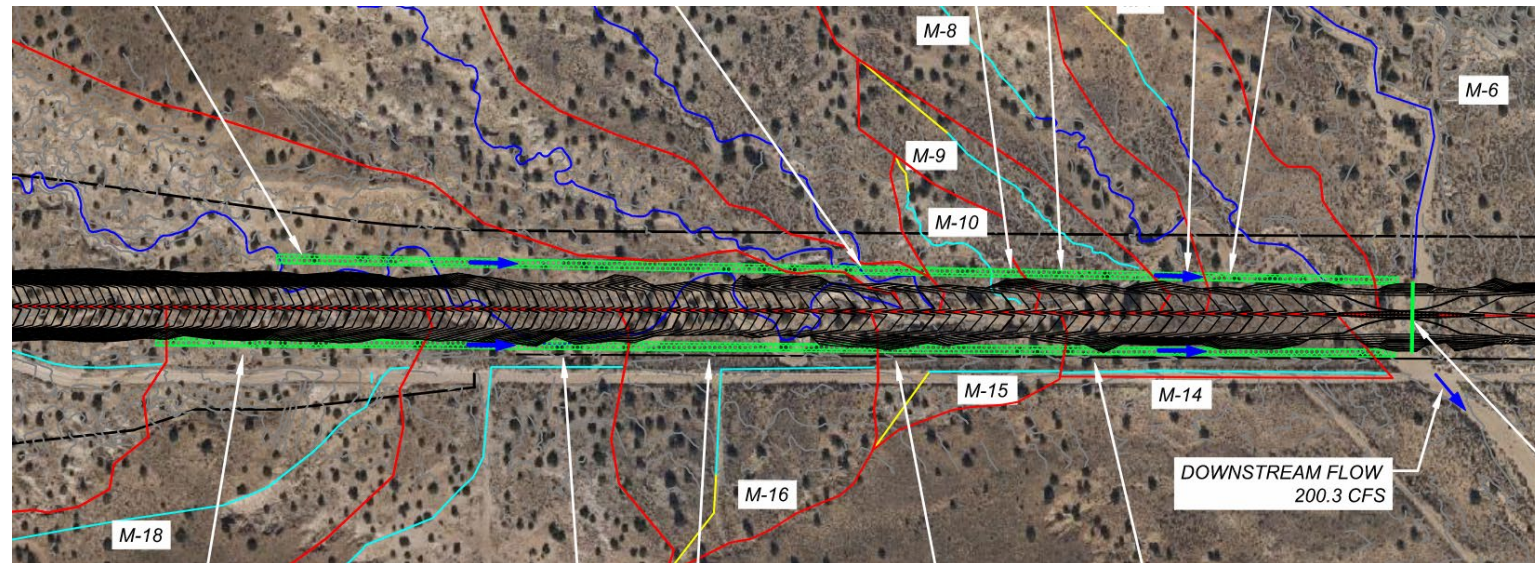
Calabacillas Arroyo

- CBC structure will result in an increase of upstream headwater depth significant
- Headwater will increase during a 100-year storm event from existing depth of 2.7 feet to 5.6 feet.
- Use of 10-foot-tall CBC structures maintain adequate reserve for larger storm events.



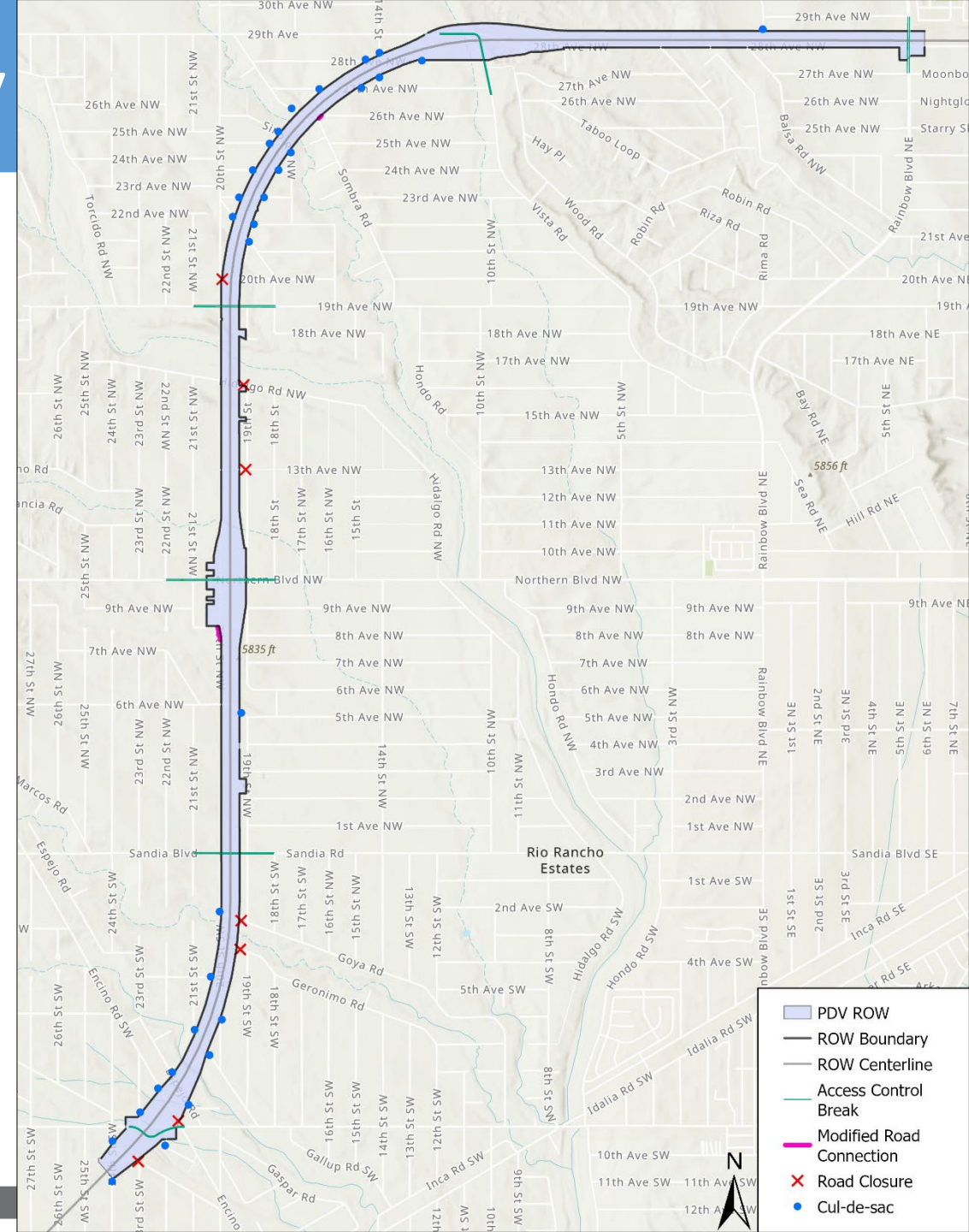
Roadside Channels

- Roadside channels are used in several areas to collect and convey flows adjacent to the roadway
 - Six channels between 19th Ave. and Vista Rd. in curve area
 - 2 channels in the area between Vista Rd. and Montoyas Arroyo
 - Channels range in size up to approximately 6-foot bottom widths with 4:1 to 6:1 side slopes
 - Channels will be lined and include check structures as needed for erosion.



Access Management and Right-of-Way

- Small dirt roads will be closed at the PDV right-of-way fence to restrict access.
- About 23 dirt roads are affected.
- Access control fence will be constructed along ROW except at irregular locations (e.g., Northern Blvd.)
- (see large aerial image for more details)



Environmental Investigations

- All environmental investigations are complete.
 - No special status plant or animal species were found
 - Cultural resources survey found 9 archaeological sites.
 - All discovered sites were relatively minor. Consultation with the NM State Historic Preservation Officer is underway.
- Traffic noise analysis performed
 - Traffic on PDV will increase noise levels; increase is minor
 - Need for noise barriers was assessed but were not recommended because increase was below FHWA standards for implementing noise barriers



Estimated Cost

Estimated cost to construct

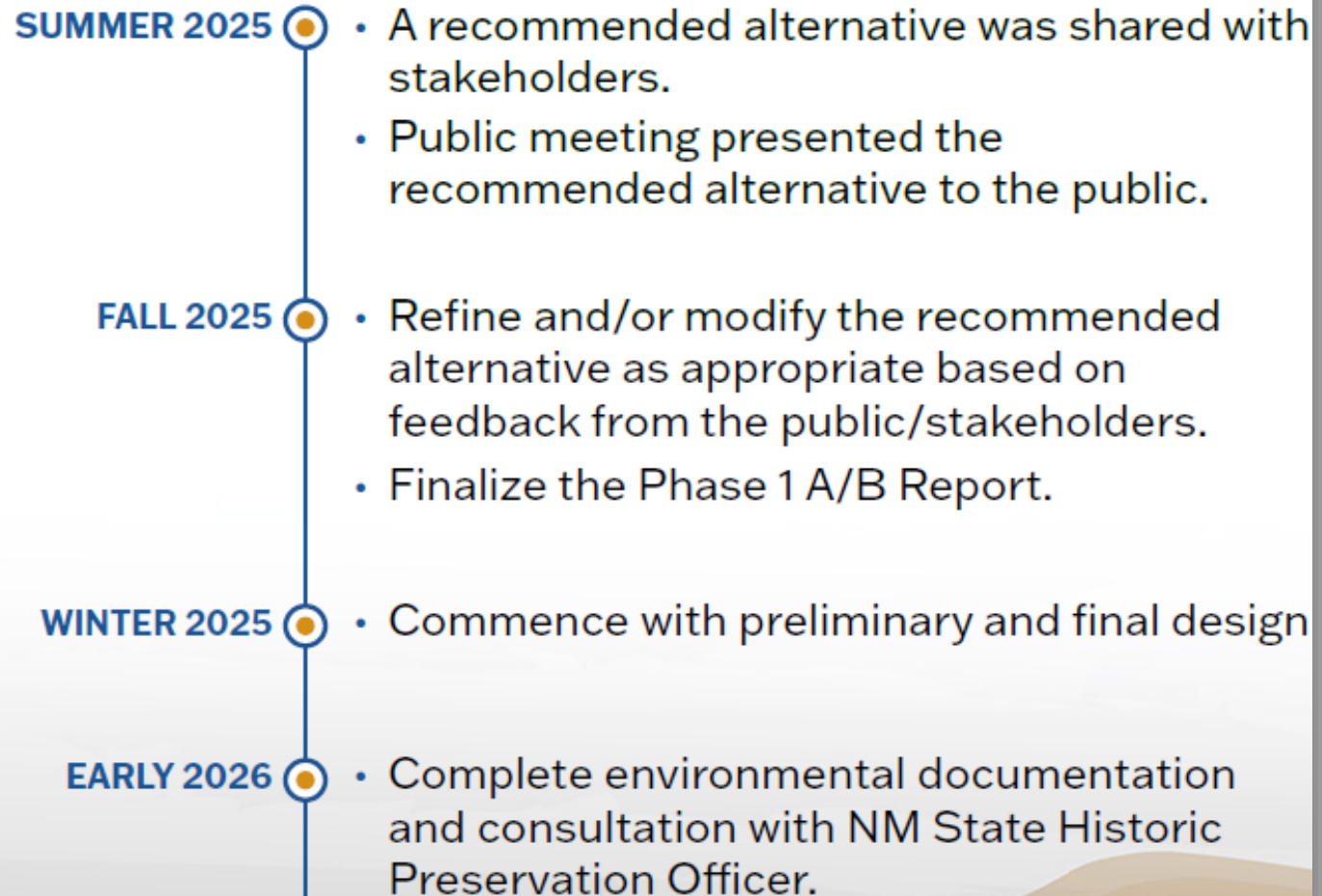
- \$77.9 M with 14-barrel CBC structure at Calabacillas Arroyo Main
- Multi-use trail is an additional \$11.7 M
- Funding for right-of-way and design has been secured. Funding for construction not yet determined; therefore, start of construction is still unknown

Option/Cost Category	Recommended Alternative with 14-barrel CBC	Multiuse trail
Construction Subtotal	\$55,475,899.56	\$8,335,174.60
Contingency	\$13,868,974.89	\$2,083,793.65
Engineering/Construction Management	\$3,328,553.97	\$500,110.48
NMGRT	\$5,223,402.67	\$784,808.78
Construction Total	\$77,896,831.09	\$11,703,887.51

Next Steps

- Review public comments received from this meeting and online
- Refine and/or modify the recommended alternative as appropriate
- Commence with preliminary and final design
- Complete environmental documentation and consultation with SHPO

Next Steps and Timeline



Questions or Comments

If you have any questions or comments:

- Ask at tonight's meeting
- Email us at: PDV@Parametrix.com
- Visit the project website: www.dot.nm.gov/projects/paseo-del-volcan/
- Submit a comment or question on a comment form in person at this meeting, or mail it to 4041 Jefferson Plaza NE Suite 210, Albuquerque, NM 87109

Please submit comments no later than August 31, 2025



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