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Juan Tabo Connectivity Study

Virtual Public Meeting #2

WILSON & COMPANY

discipline | intensity | collaboration | shared ownership | solutions

Introductions

City of Albuquerque

- Petra Morris, AICP – Council Planning Manager
- Melissa Lozoya, PE – DMD Deputy Director
- Tom Menicucci – City Council Policy Analyst
- Tim Brown, PE – Traffic Engineering Manager
- Laura Rummler –Councilor Harris Policy Analyst

Wilson & Company

- Audra Gallegos, PE
- Ben Bachwirtz

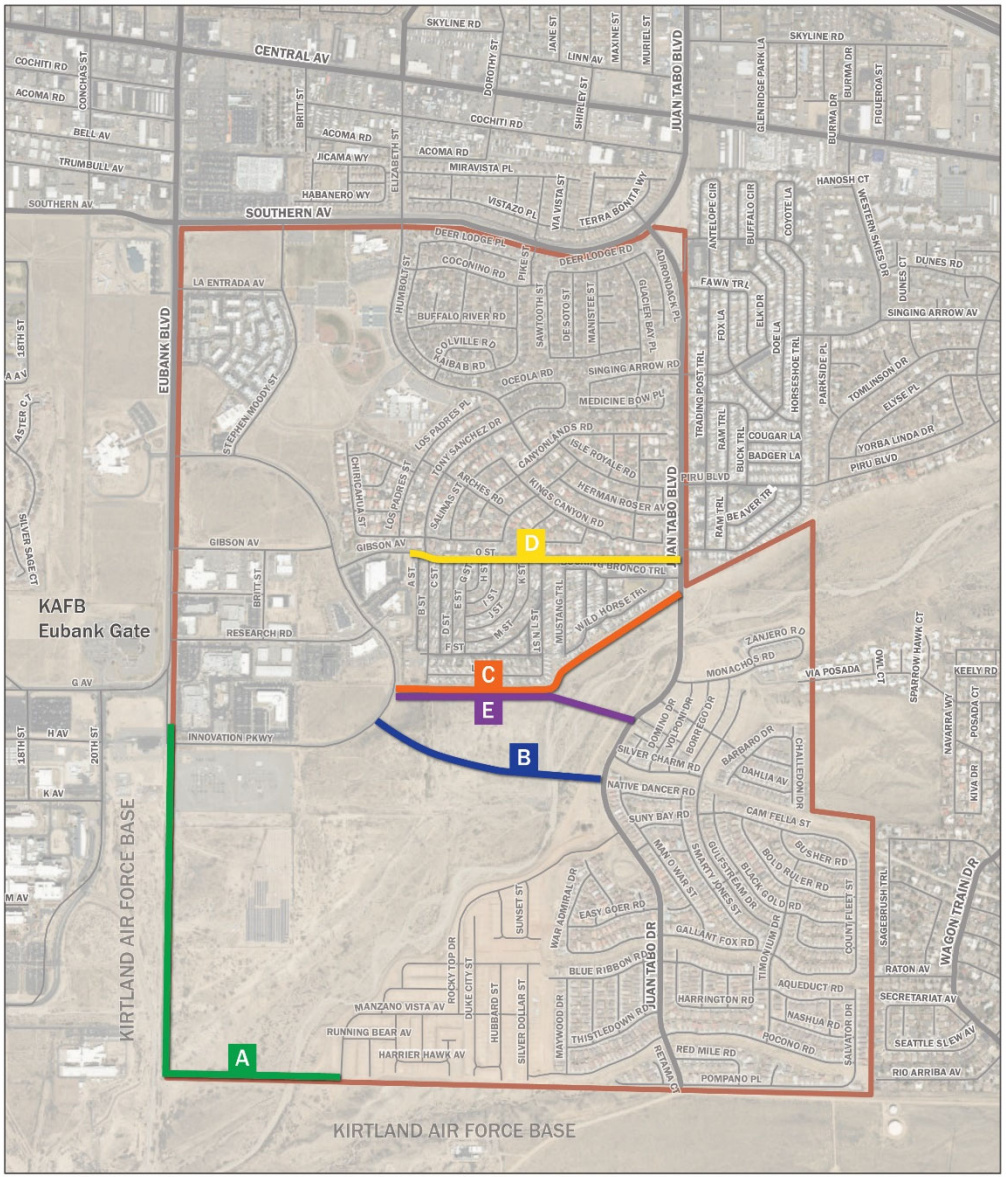
Public Meeting #1 – 12.01.20

- Presented existing conditions
- Presented conceptual alternatives
- Public feedback
  - Question and answer session
  - Survey after presentation
  - Emails
- 56 people in attendance not including City and Wilson & Company staff

Juan Tabo Boulevard
Connectivity Study

Alternatives

Alternative D will be analyzed but is not a viable option due to the large impact to homes.



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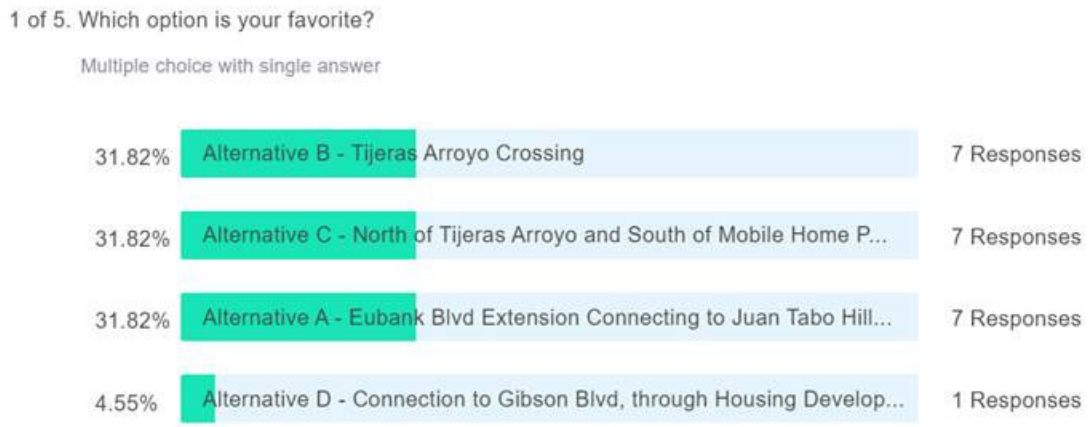
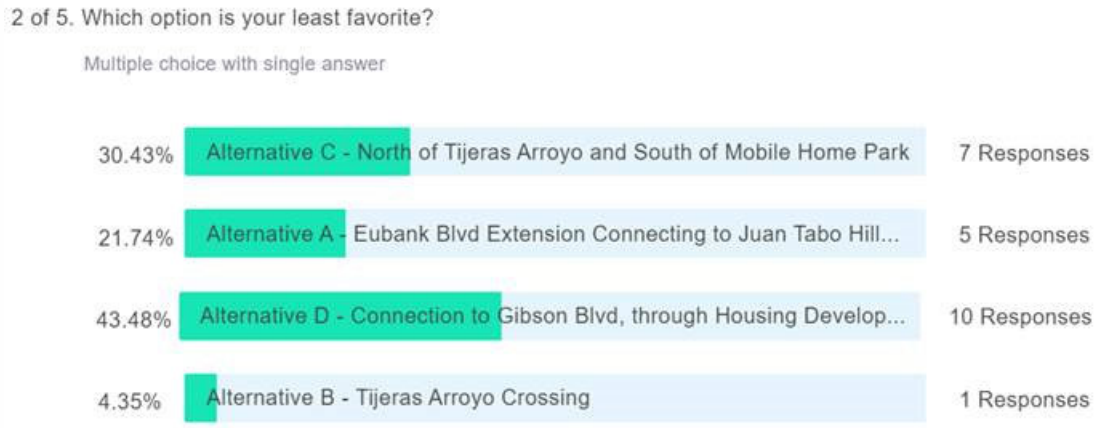
Survey Summary

- Results – Which option is your favorite?
  - Alternative A – straightforward design connection
  - Alternative B – effective for eliminating residential cut-through traffic
  - Alternative C – direct and efficient connection



Survey Summary

- Results – Which option is your least favorite?
  - Alternative D – impact on residential properties
  - Alternative C – sight distance issues at Juan Tabo
  - Alternative A – too far out of direction and would create new cut-through issues



Stakeholder Meetings

- Albuquerque Public Schools (APS)
- Kirtland Air Force Base (KAFB)
- Sandia National Labs (SNL)
- Department of Energy (DOE)
- Sandia Science & Technology Park (SS&TP)
- Albuquerque Metropolitan Flood Control Agency (AMAFCA)
- State Land Office
- Eastside Development
- COA Open Space

Stakeholder Meetings Feedback

- Overall, interested in the study and the potential for economic development.
- Concerns that were discussed:
  - Alternative A – Security along KAFB and cut-through traffic in Volterra
  - Alternative B – dividing parcels and additional traffic to SS&TP
  - Alternative C – Changing the arroyo footprint
  - Alternative D – Impact to homes

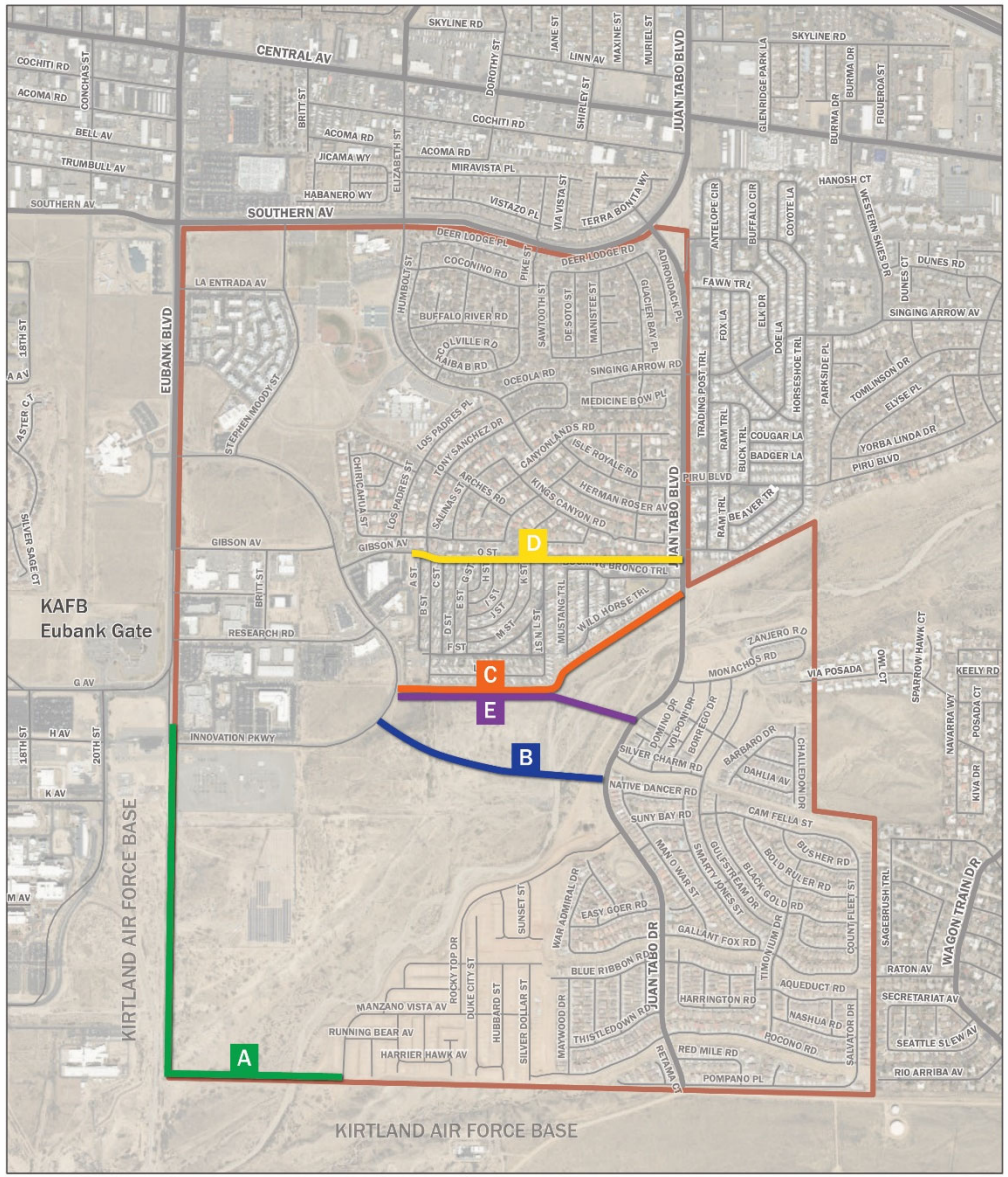
Stakeholder Meetings Feedback

- Additional improvements if the No-Build Alternative is selected:
  - Ride share program
  - Transit opportunities
  - Improvements to existing facilities

Alternatives Analysis

Traffic

Alternative	
No-Build	Gets worse over time
Alternative A	Primarily serve Juan Tabo Hills West Community
Alternative B, C, D, E	Reduce traffic at main intersections, additional traffic on Innovation Pkwy



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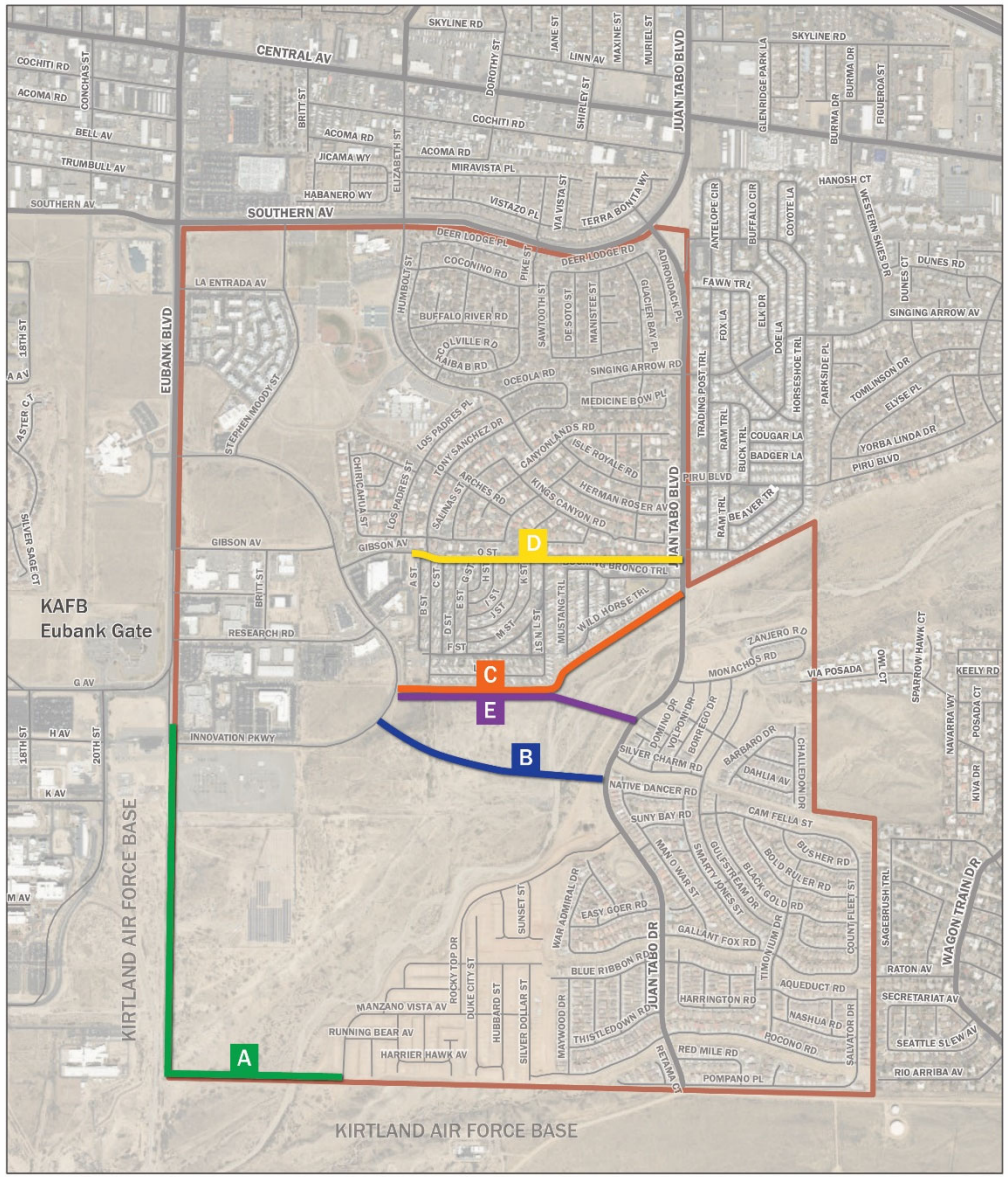
Cut-Through

Alternative	
No-Build	Gets worse over time
Alternative A	Additional cut-through in Juan Tabo Hills Community
Alternative B, C, D, E	Reduce cut-through in Willow Wood Community



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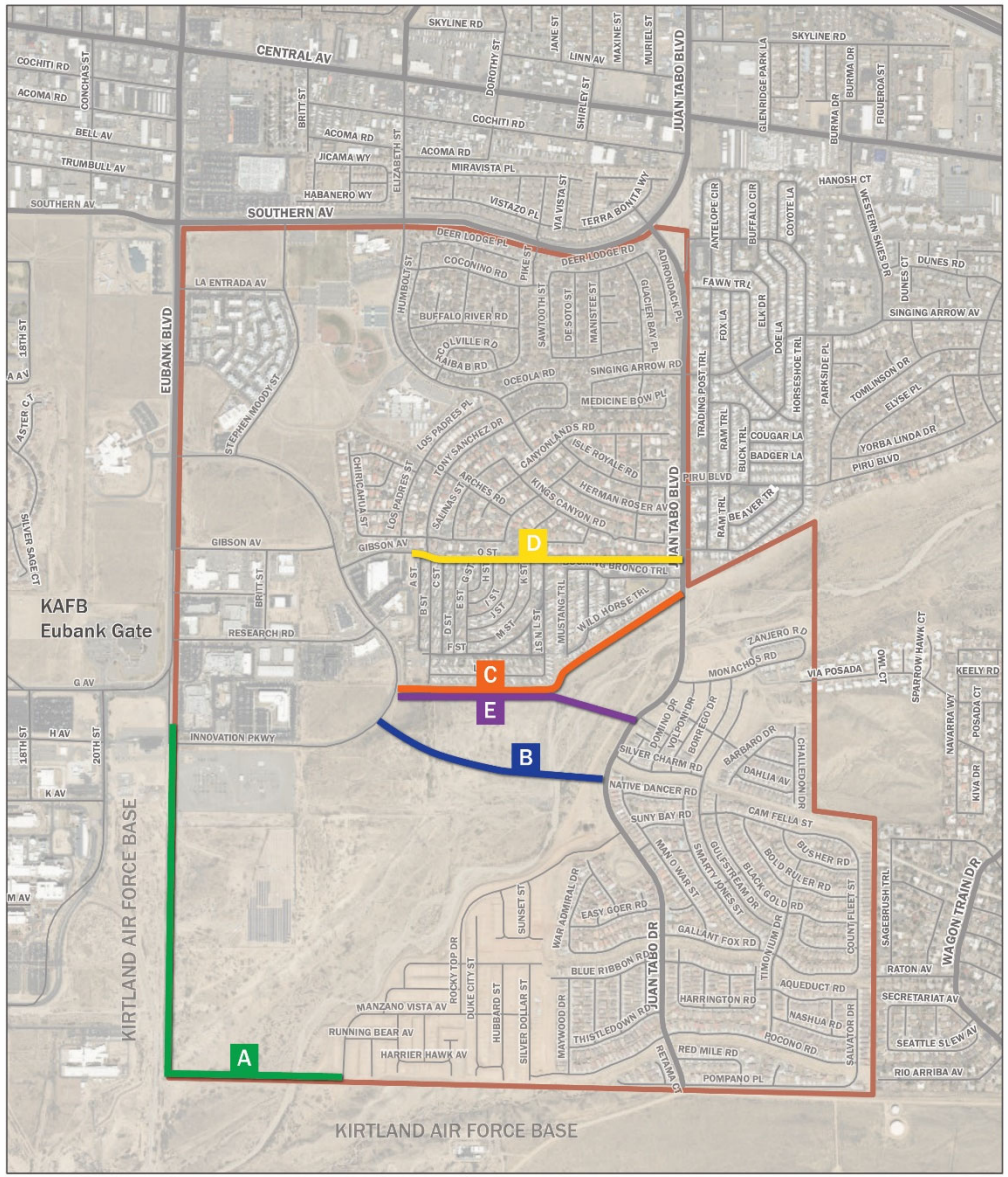
Safety

Alternative	
No-Build	Gets worse over time
Alternative A	Security concerns for KAFB
Alternative C	Sight distance issues at Juan Tabo connection
Alternative B, D, E	Reduces traffic at large intersections, but creates new conflict points



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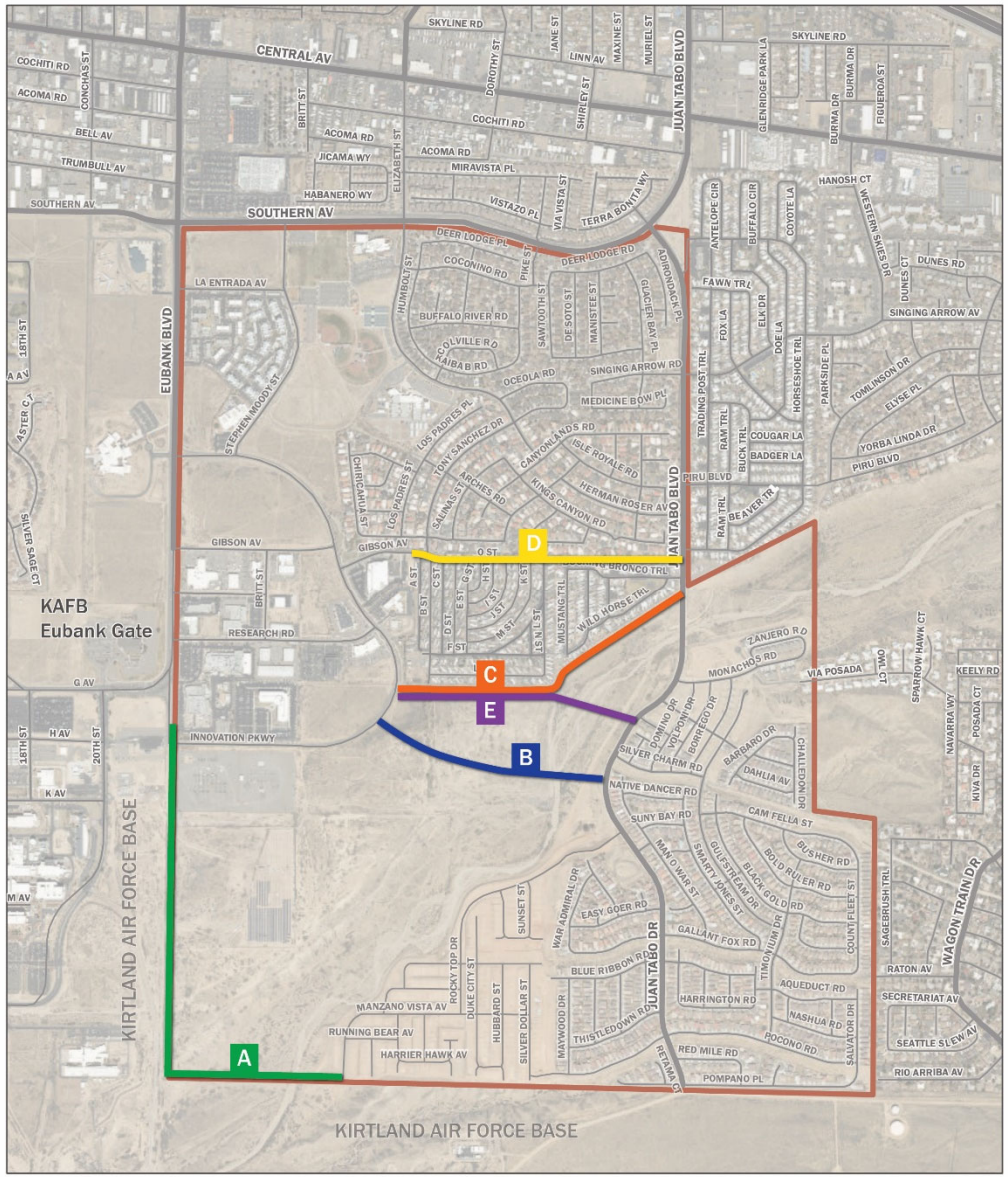
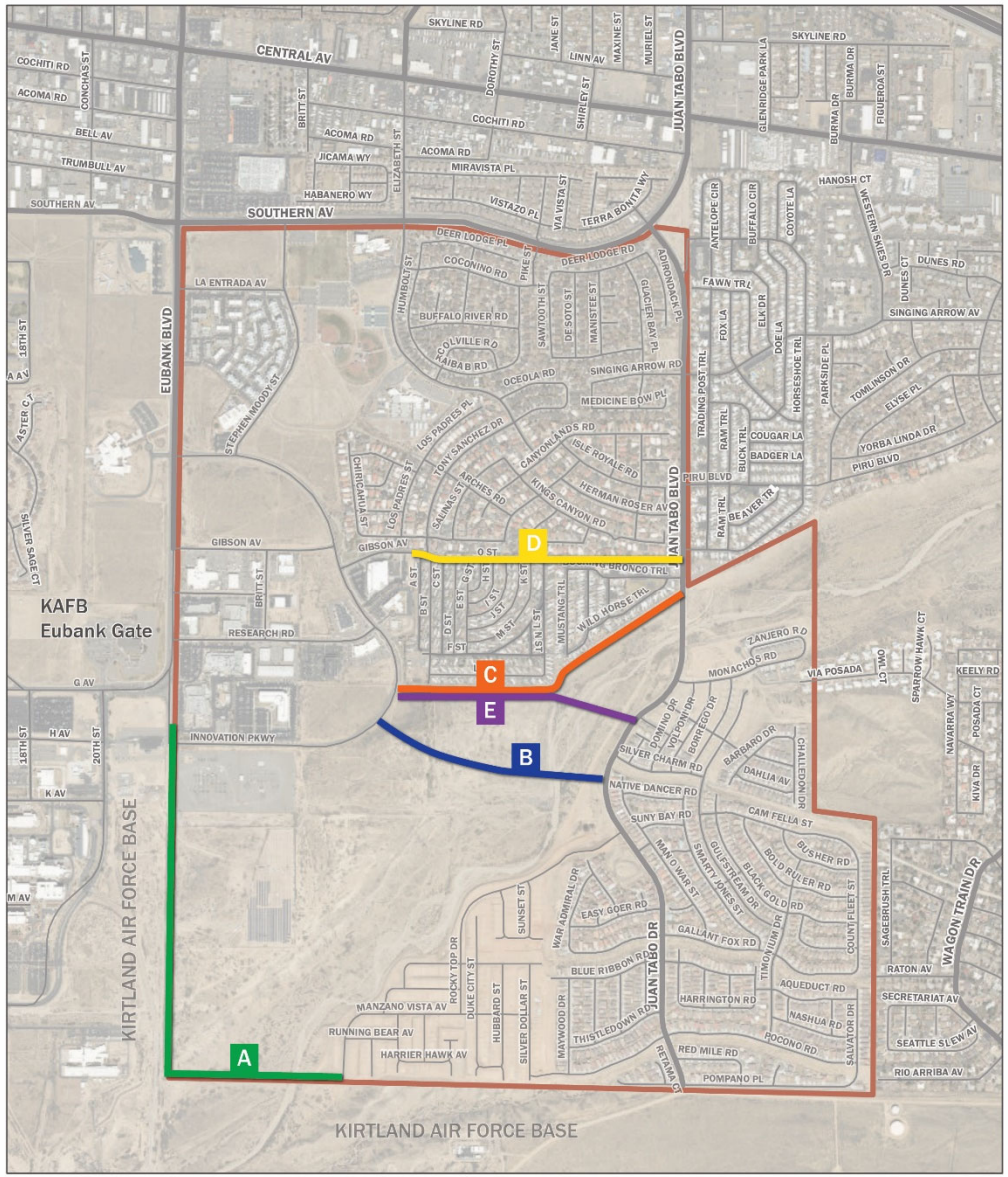
Utilities

Alternative	
No-Build	Remains the same, no addition of new utilities
Alternative A, B, C, D, E	Has utility conflicts, provides opportunity for additional utilities



Right-of-Way

Alternative	
No-Build	No acquisitions needed
Alternative D	Home relocations
Alternative A, B, C, E	Land acquisitions



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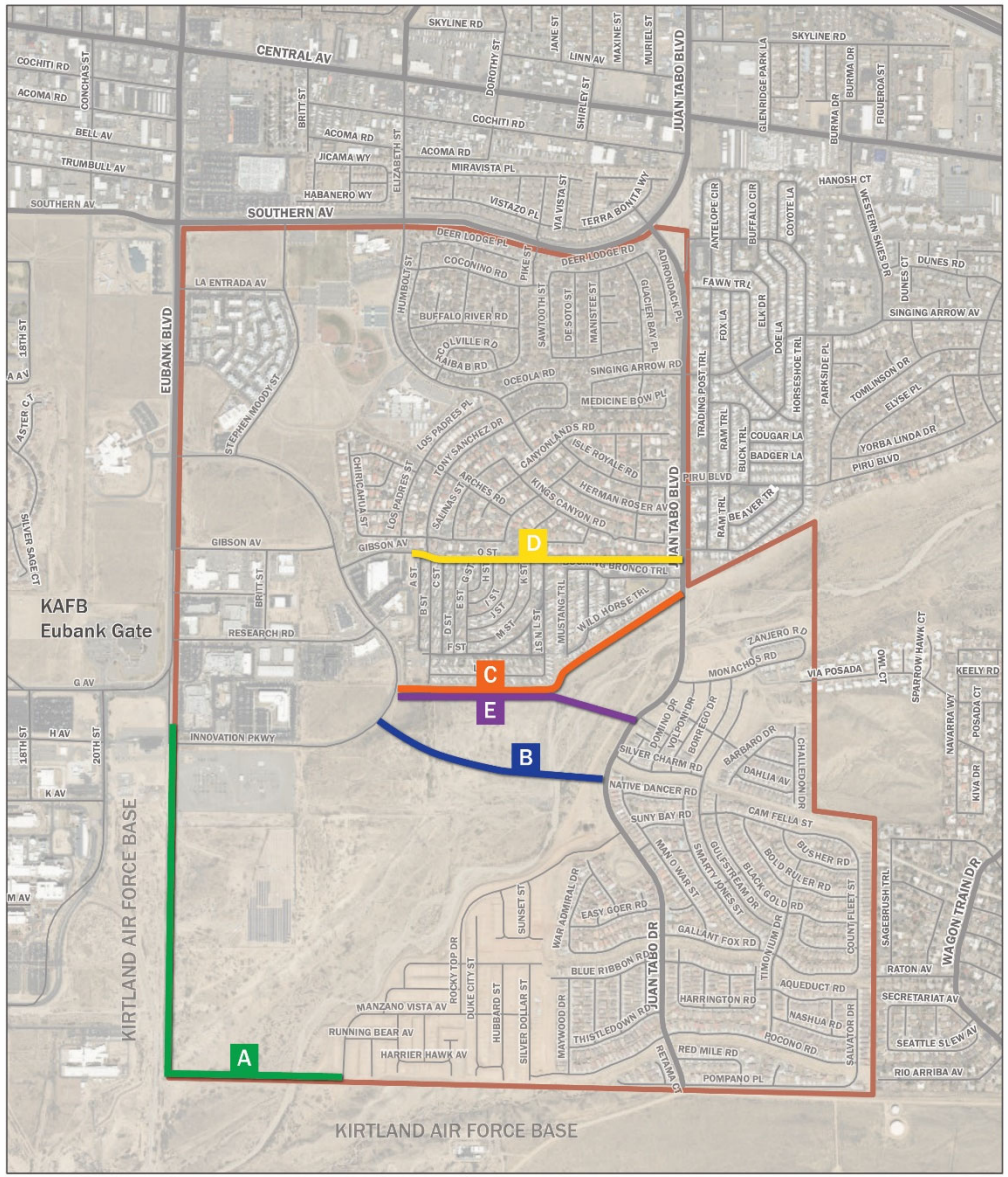
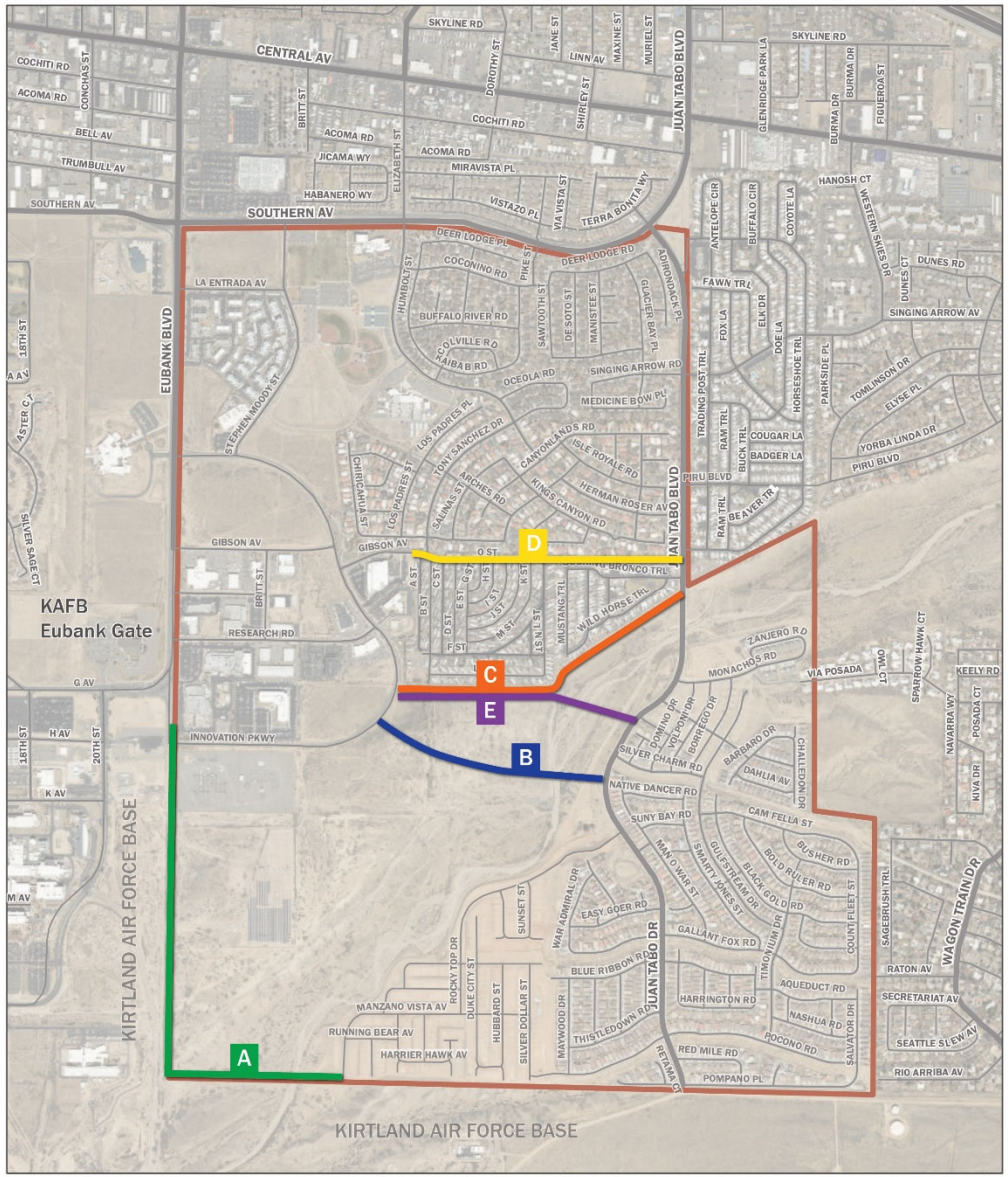
Cost

Alternative	
No-Build	No cost other than routine maintenance on existing facilities
Alternative D	Home relocations
Alternative A, B, C, E	Large structures, earthwork and landfill mitigation



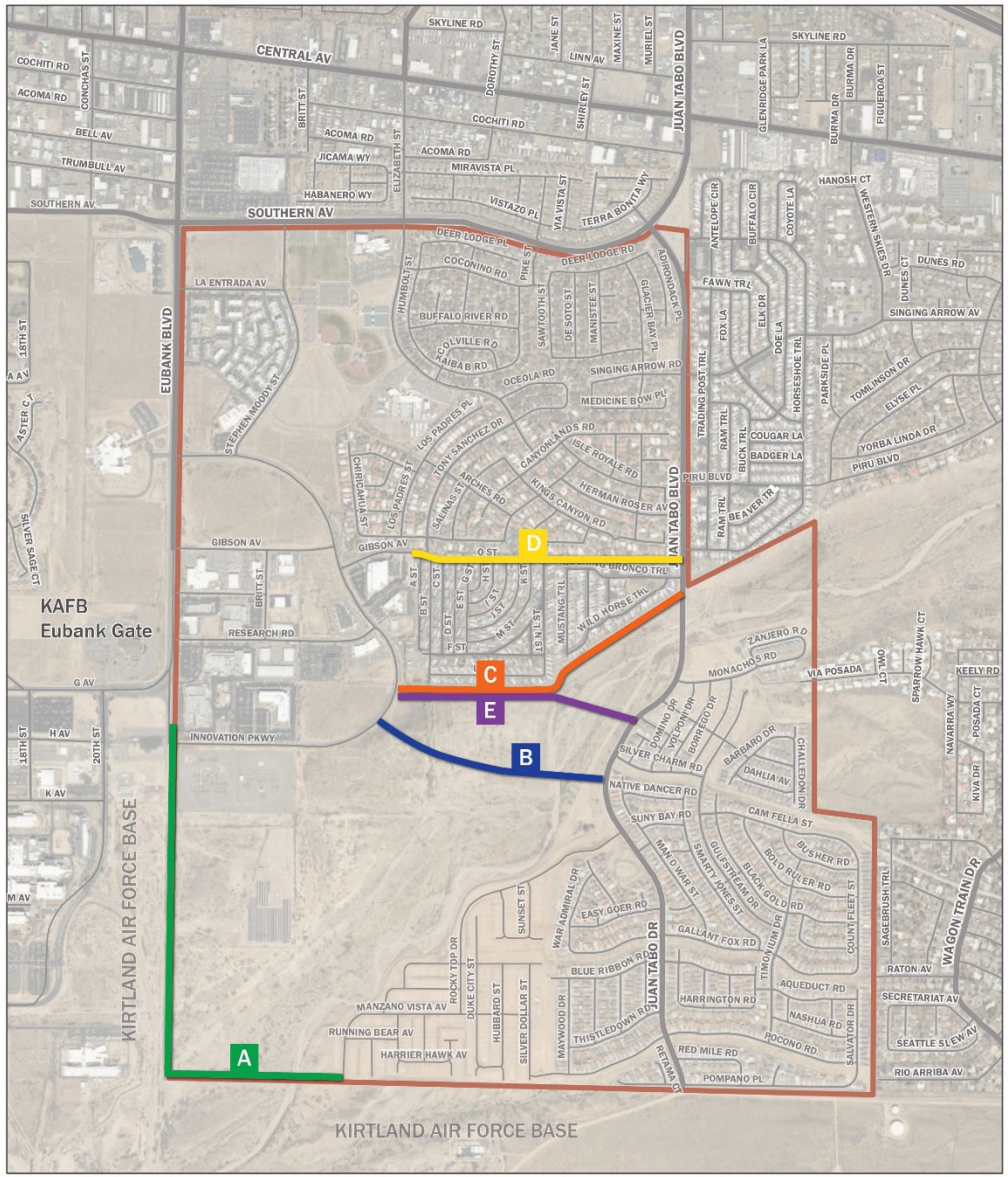
Development

Alternative	
No-Build	Does not promote economic development
Alternative B	May promote economic development, divides the existing parcels
Alternative D	Removes existing development
Alternative A, C, E	May promote economic development, borders existing parcels



Tijeras Arroyo Bio-Zone

Alternative	
No-Build	Does not impact
Alternative A	Impacts the edge
Alternative B, C, E	Impacts the bio-zone
Alternative D	Does not impact



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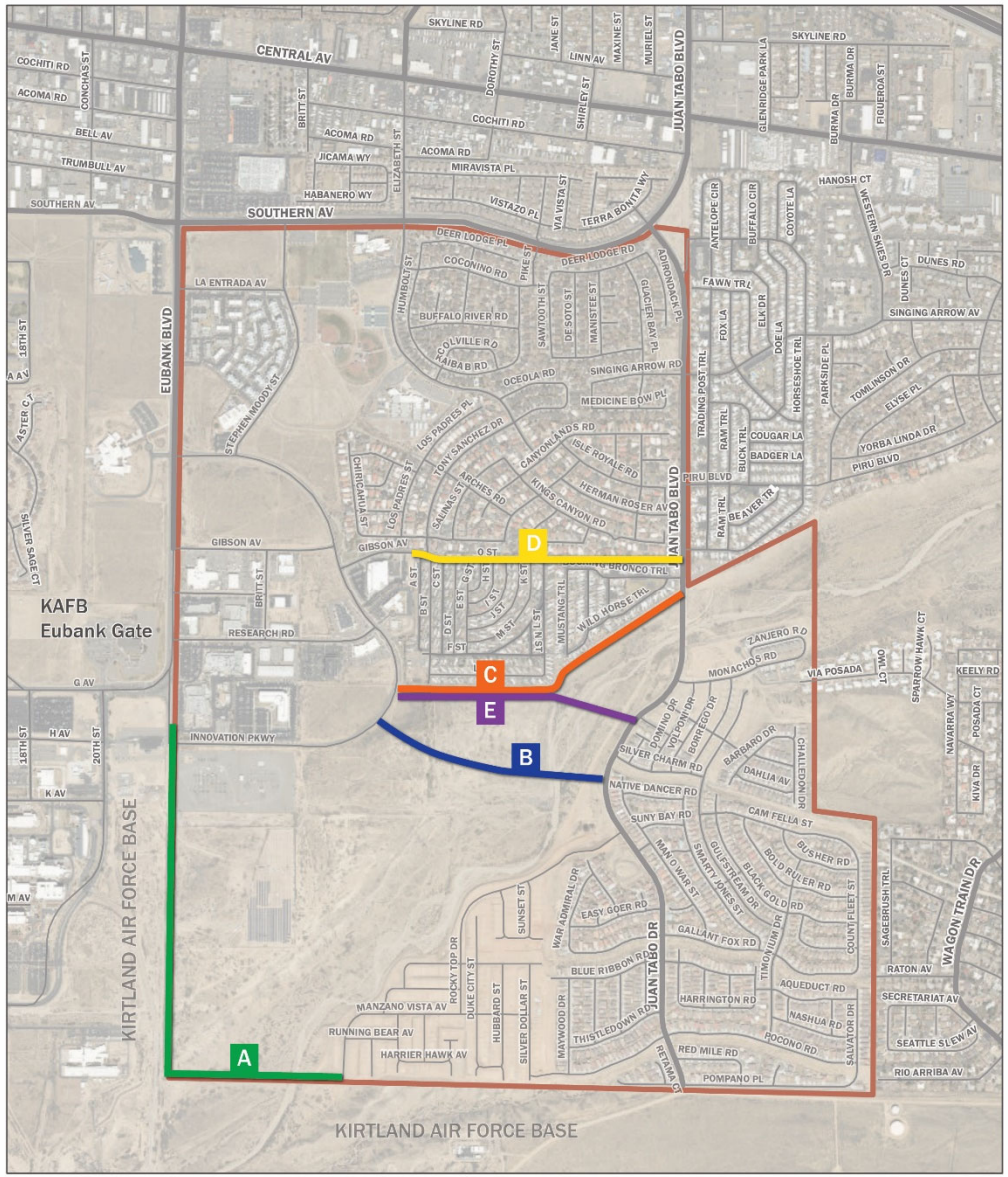
Landfill

Alternative	
No-Build	Does not impact
Alternative A	Impacts the edge, mitigation needed
Alternative B	Impacts the landfill, mitigation needed
Alternative C, E	Impacts the corner of the landfill, mitigation needed
Alternative D	Does not impact



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Alternatives Matrix

Wilson & Company, Inc., Engineers & Architects

Alternatives Matrix

- Summarized findings in a matrix
- Scored alternative based on each criterion using positive and negatives
- Alternatives were compared to no-build condition

Scoring		
Positive, Good	(++)	5
Above Average	(+)	4
Average	(0)	3
Below, Average	(-)	2
Negative, Poor	(- -)	1

Alternative Rankings

1. No-Build Alternative
2. Alternative E
3. Alternative D
4. Alternative C
5. Alternative B
6. Alternative A

Most Feasible Option

- No-Build Alternative is the most feasible option
- Alternative E is the second most feasible option
  - The bridge cost alone ~$36 million

- Other possible improvements
  - Improve existing infrastructure
  - Multi-use path instead of roadway
  - Transit opportunities
  - Ride-share program
  - NTMP Willow Wood Project

Next Steps

Next Steps

- Public input will be evaluated and added to the report
- Final report will be posted on COA website

Public Input

Questions/Comments

- Survey after the presentation
- Email comments to audra.gallegos@wilsonco.com
- Deadline for comments February 2, 2021

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Thank you!

Alternatives Matrix

	No-Build	Alternative A	Alternative B	Alternative C	Alternative D*	Alternative E
Traffic	2	2	4	4	4	4
Cut-Through	2	1	4	4	4	4
Safety	2	1	3	2	3	3
Utilities	3	2	2	2	2	2
ROW	3	2	2	2	1	2
Cost	4	1	1	1	2	1
Development	3	3	3	4	1	4
Bio-Zone	4	3	2	2	4	2
Landfill	4	2	1	3	4	3
Overall score	27	17	22	24	25	26

**Alternative D was analyzed but is not a viable option due to the large impact to homes.*

Scoring

Positive, Good	5	(++)
Above Average	4	(+)
Average	3	(0)
Below Average	2	(-)
Negative, Poor	1	(- -)

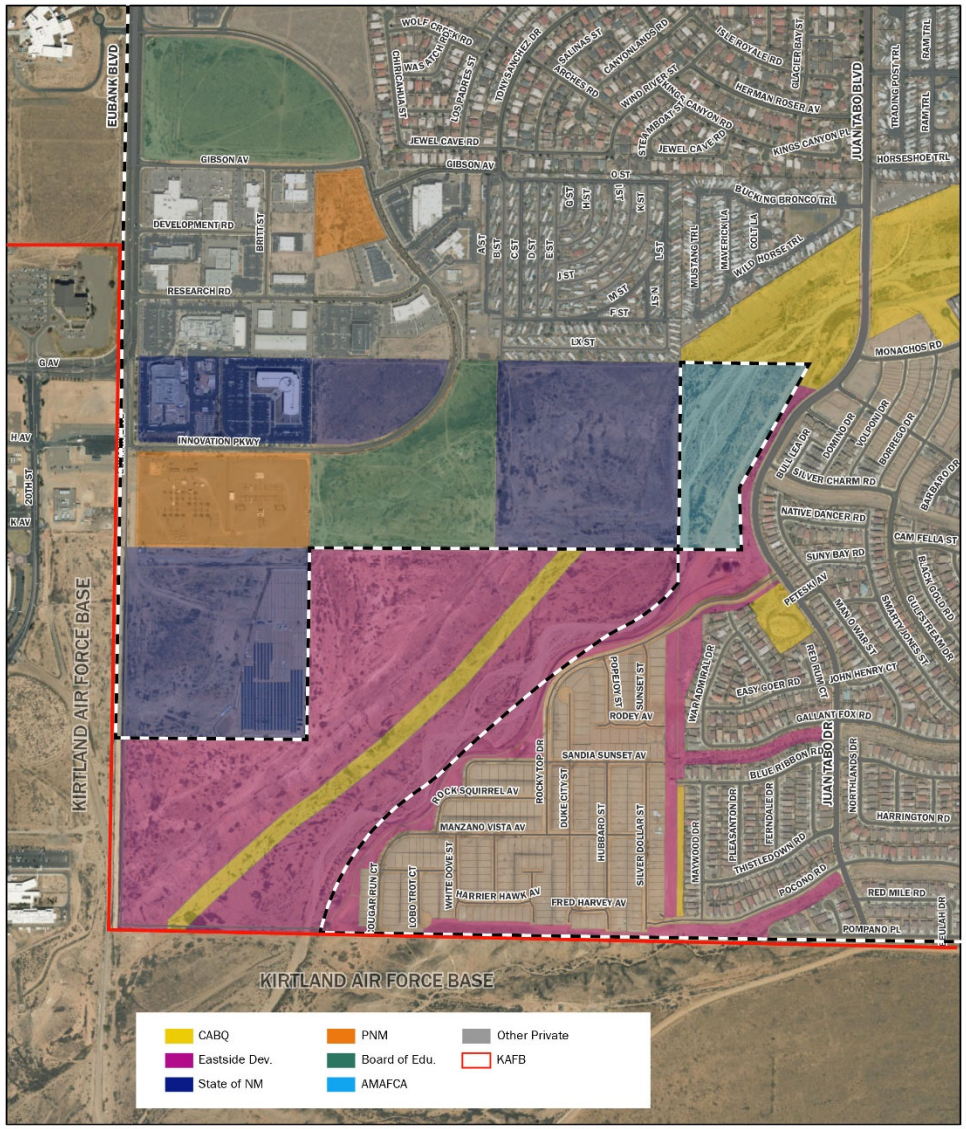
Bridge Costs

- Concrete bridge ~$500/sf
- Existing Juan Tabo Bridge
  - Length = ~300-ft
  - Width = ~79-ft
  - Cost = $11,850,000
- Alternative E Bridge
  - Length = ~900-ft
  - Width = ~79-ft
  - Cost = $35,550,000

These costs do not include roadway, landfill mitigation, or ROW acquisitions

Juan Tabo Boulevard
Connectivity Study

Property Owners



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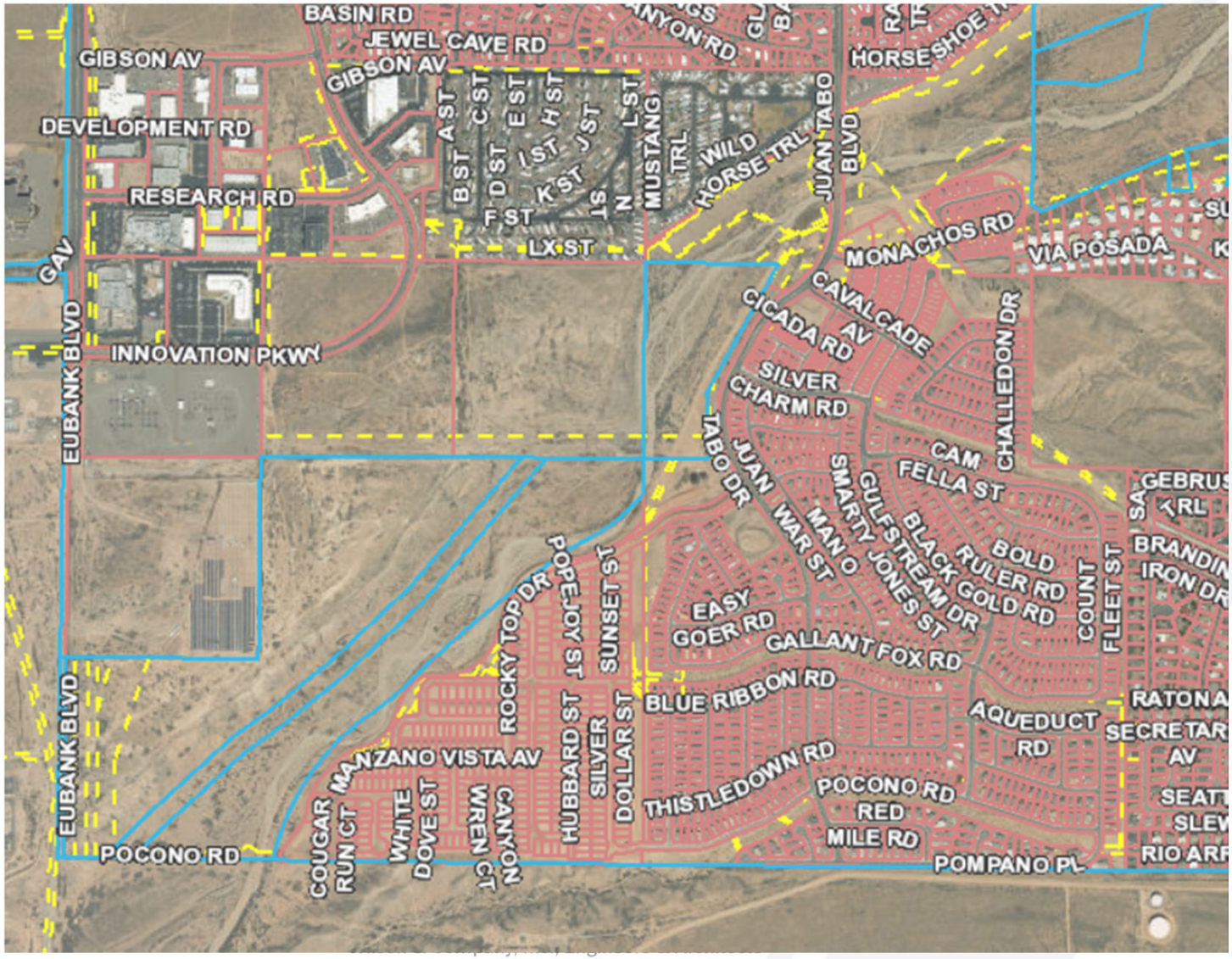
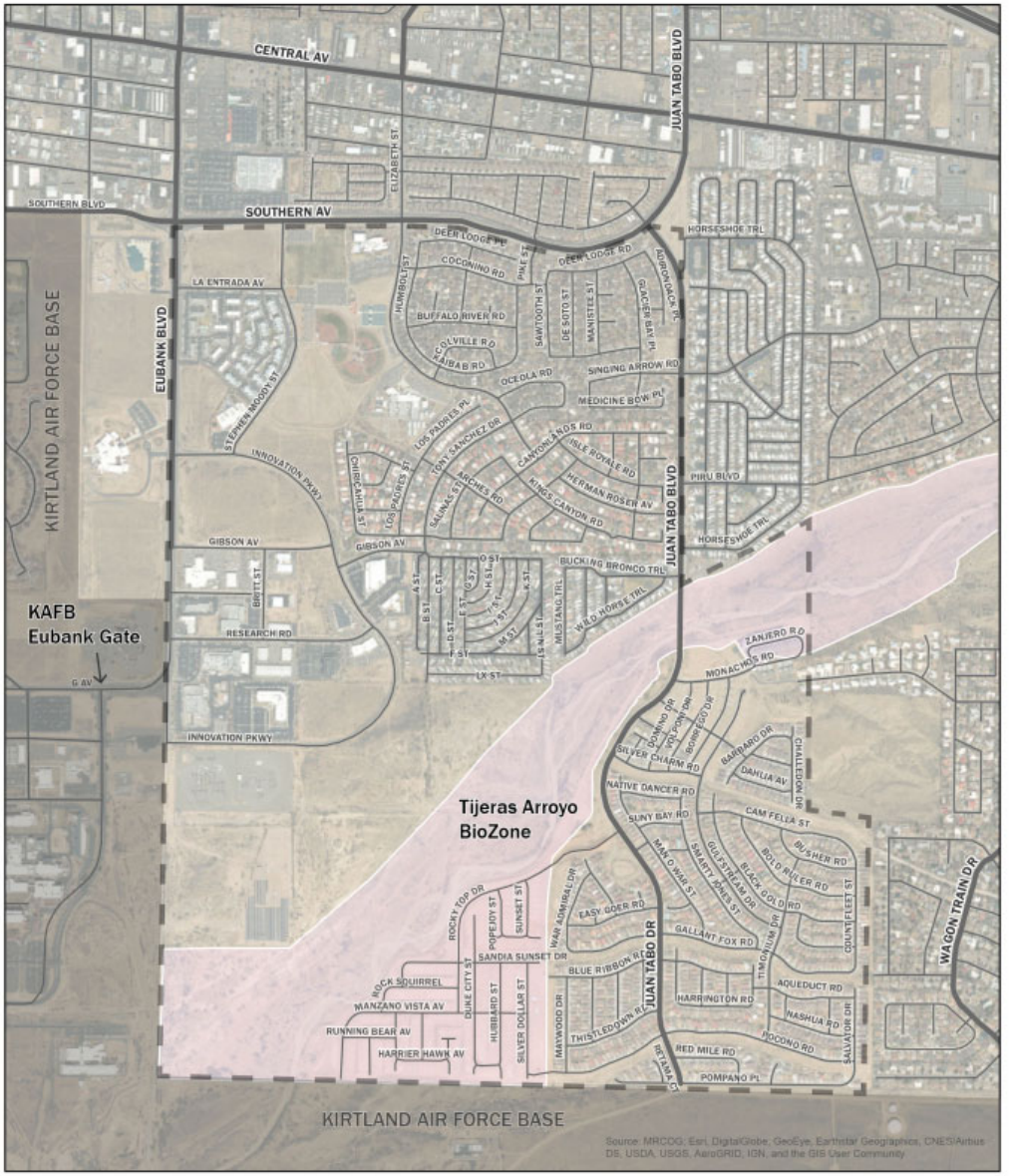
Easements



Source: Bernalillo County GIS

Tijeras Bio-Zone

- Bio-Zone – an area of high concentration of natural resources that are protected and preserved.
- City of Albuquerque Resource Management Plan for Tijeras Arroyo Biological Zone



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Old Landfill

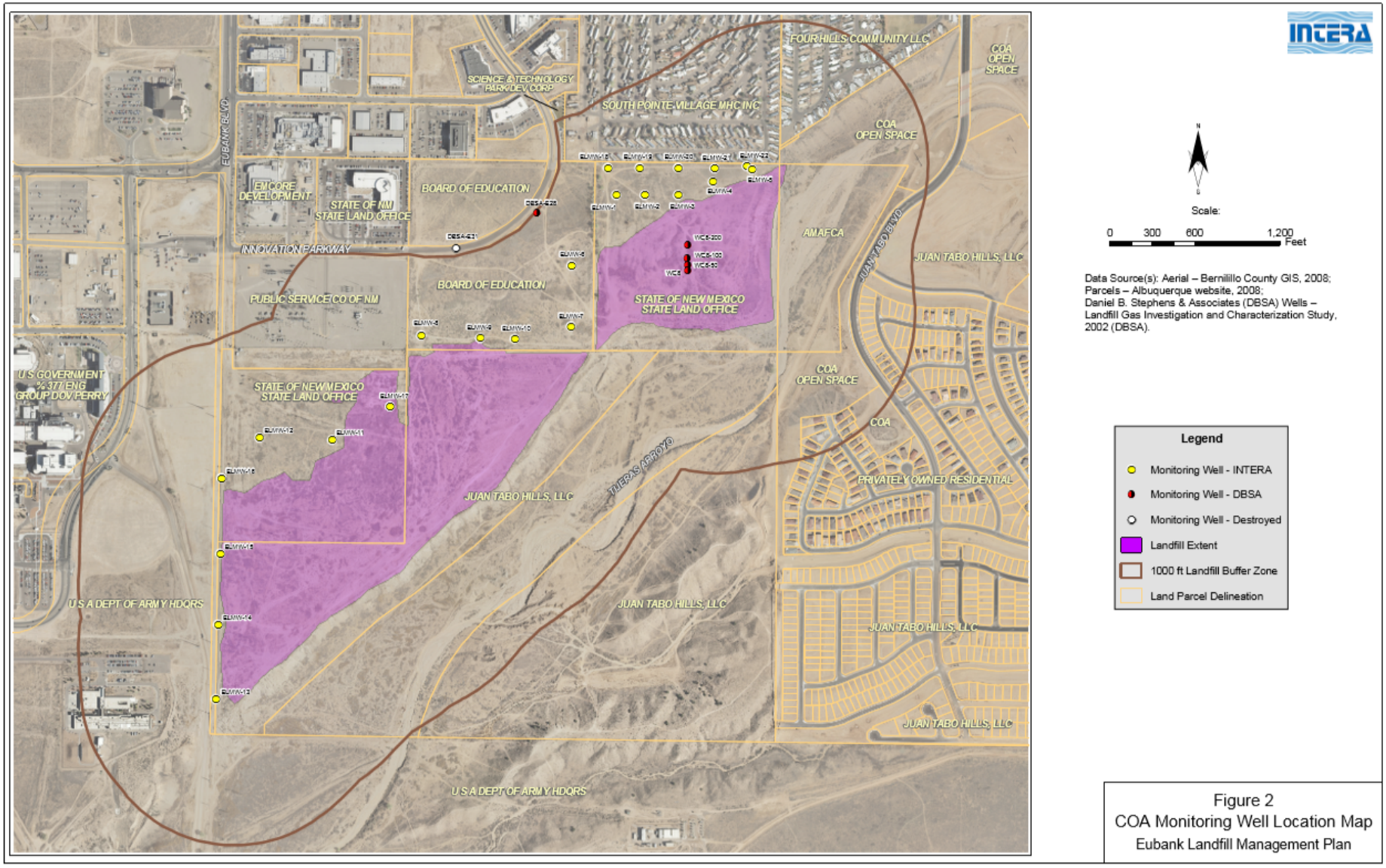

Figure 2
COA Monitoring Well Location Map
Eubank Landfill Management Plan

Source: City of Albuquerque