Alternatives Analysis Update

RTA Regional Transportation Authority of Central Oklahoma

Prepared for Regional Transportation Authority of Central Oklahoma Board of Directors

May 18, 2022

Prepared by Kimley-Horn and Associates



Agenda

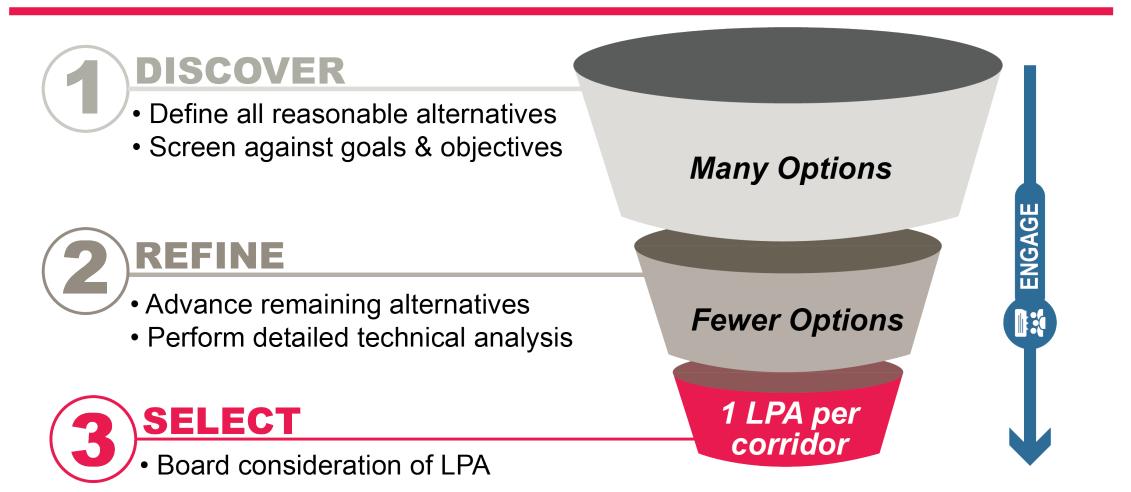
- Alternatives Analysis Update
 - Recap Discovery Phase
 - Recent Updates
 - Revised High-Potential Alignments
- Cross-Section Analysis
- Next Steps

ALTERNATVES ANALYSIS



Alternative Analysis (AA) Process

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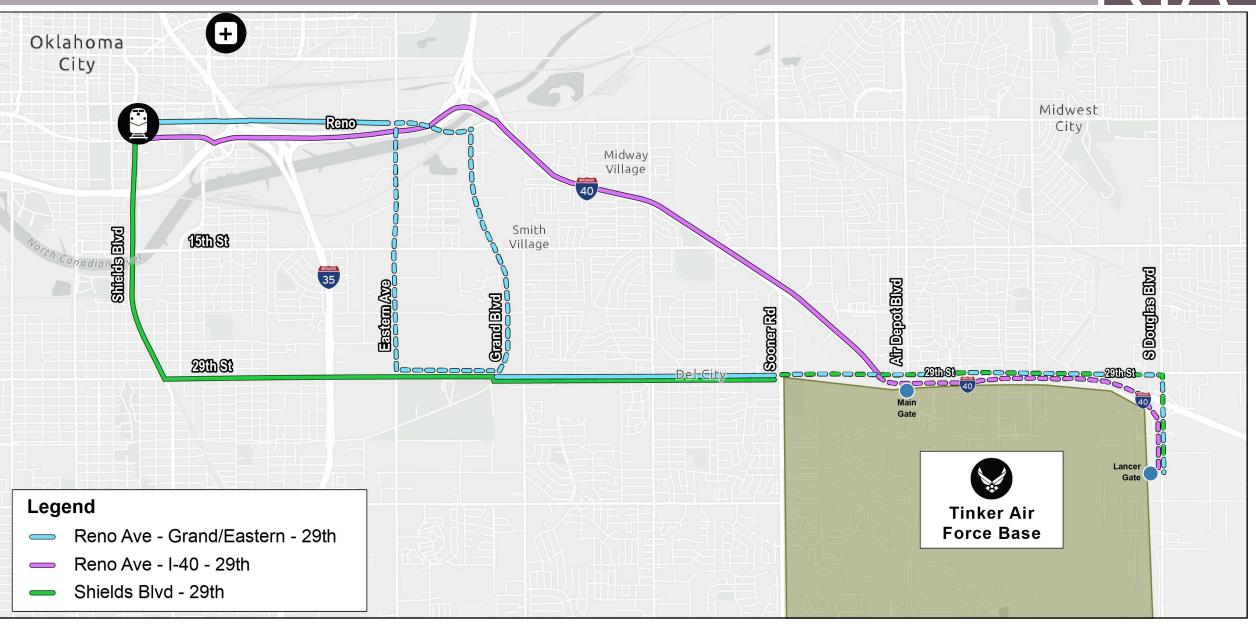


Discover Phase Process



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Current High-Potential Alignments



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Recent Analysis Updates



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Eastern Ave redevelopment opportunity



Tinker AFB Update:

- Transportation Master Plan
- End-of-Line Facility

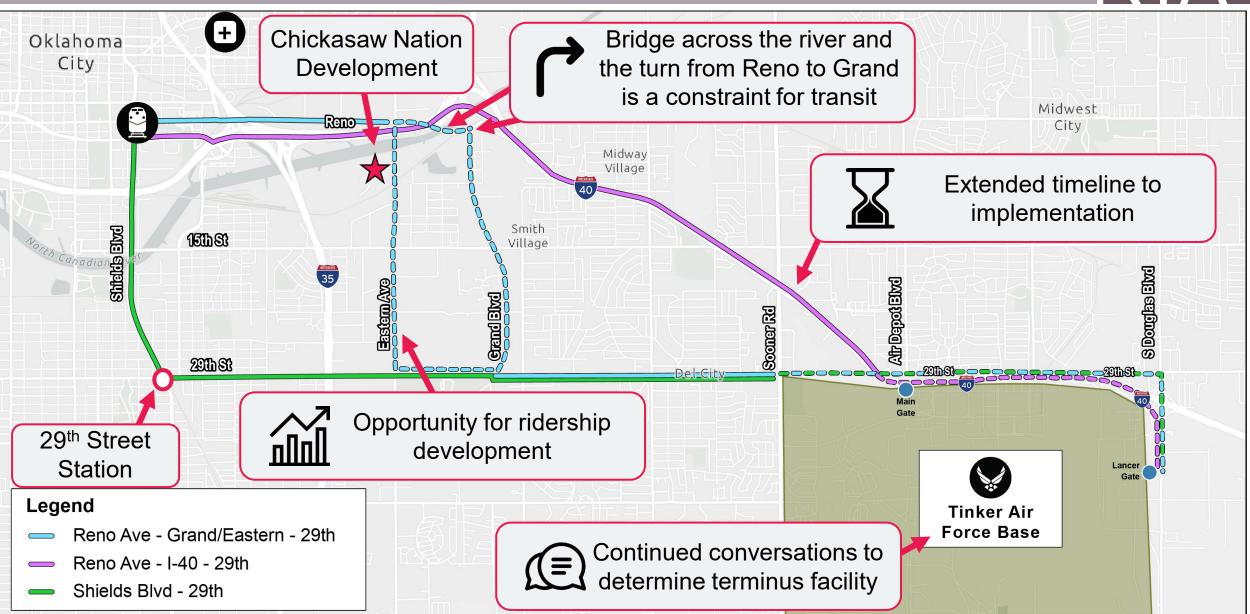




29th Street Station Opportunity

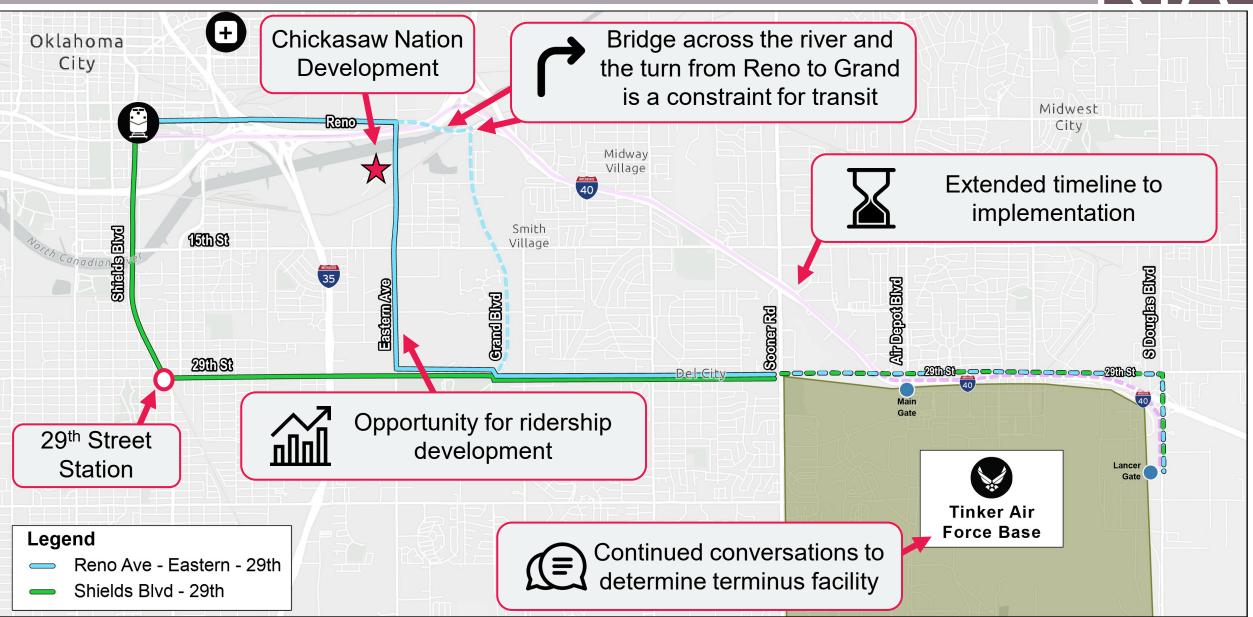


Current High-Potential Alignments



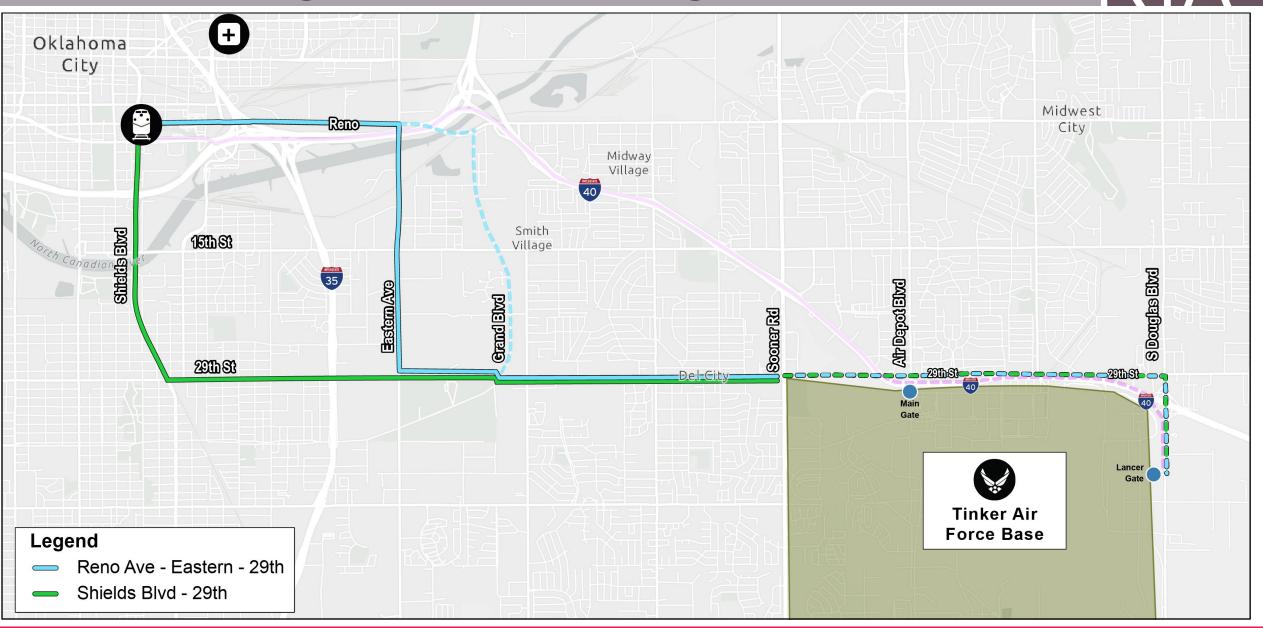
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Updated High-Potential Alignments



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Updated High-Potential Alignments



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ALGNMENT C ROSS SECTONS

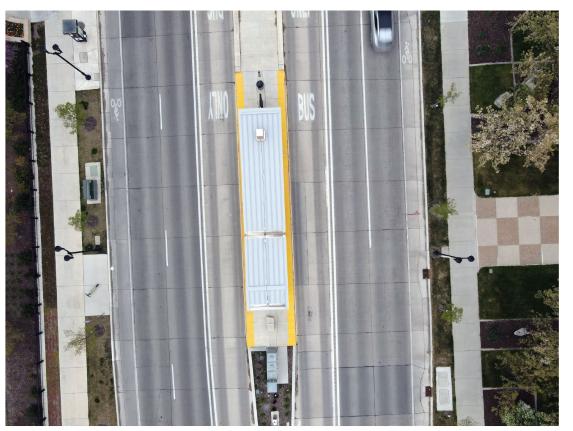


Cross Section Examples

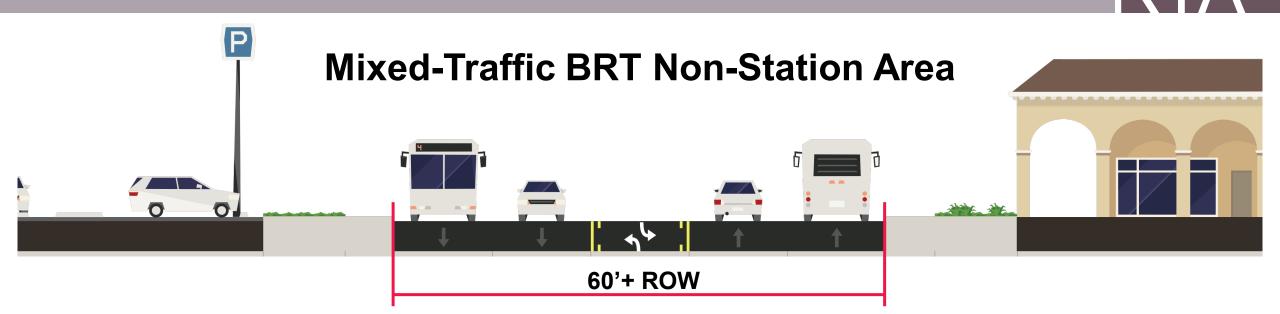
124' wide from back of sidewalk

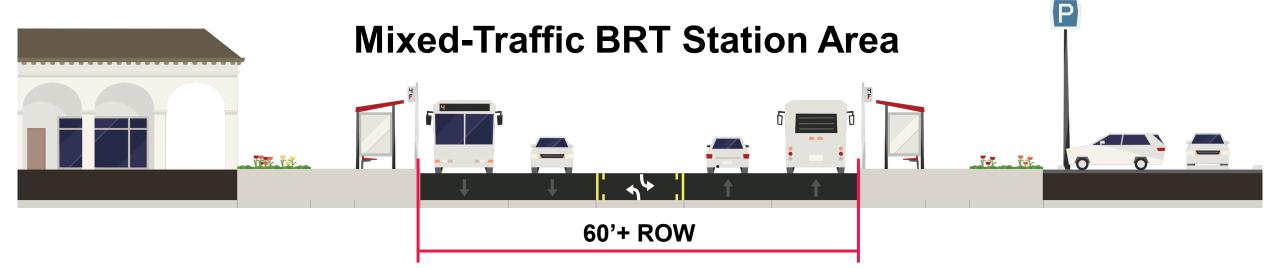


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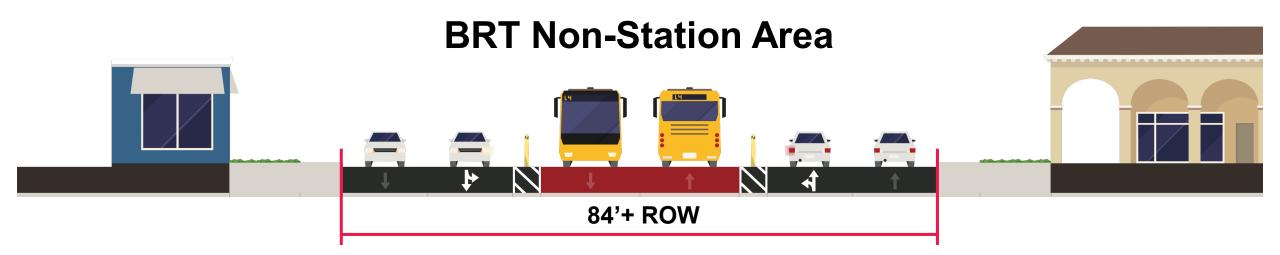
Mixed-Traffic BRT Cross Section (Example)

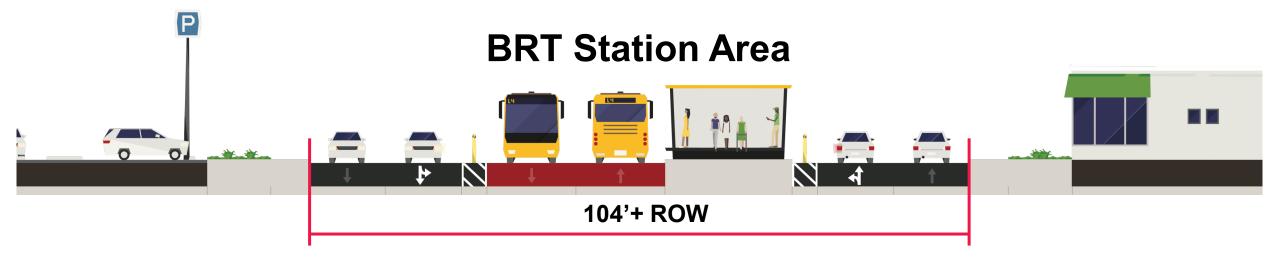




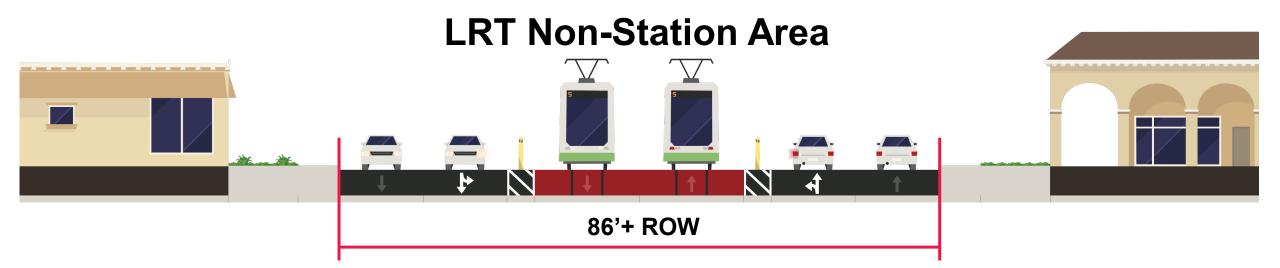
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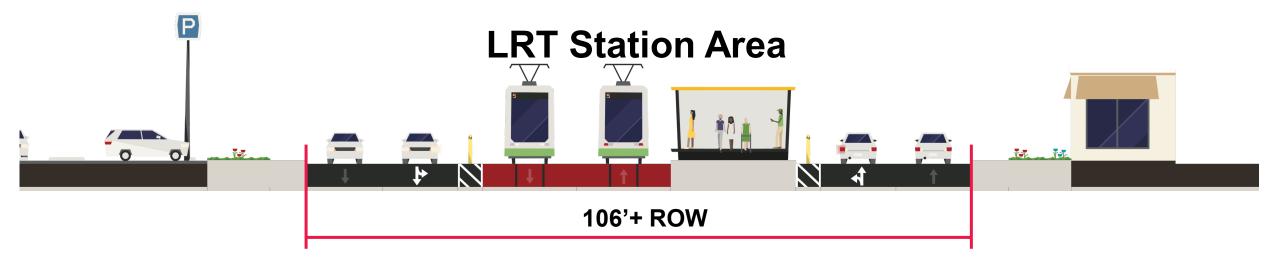
Fixed Guideway BRT Cross Section (Example) RTA



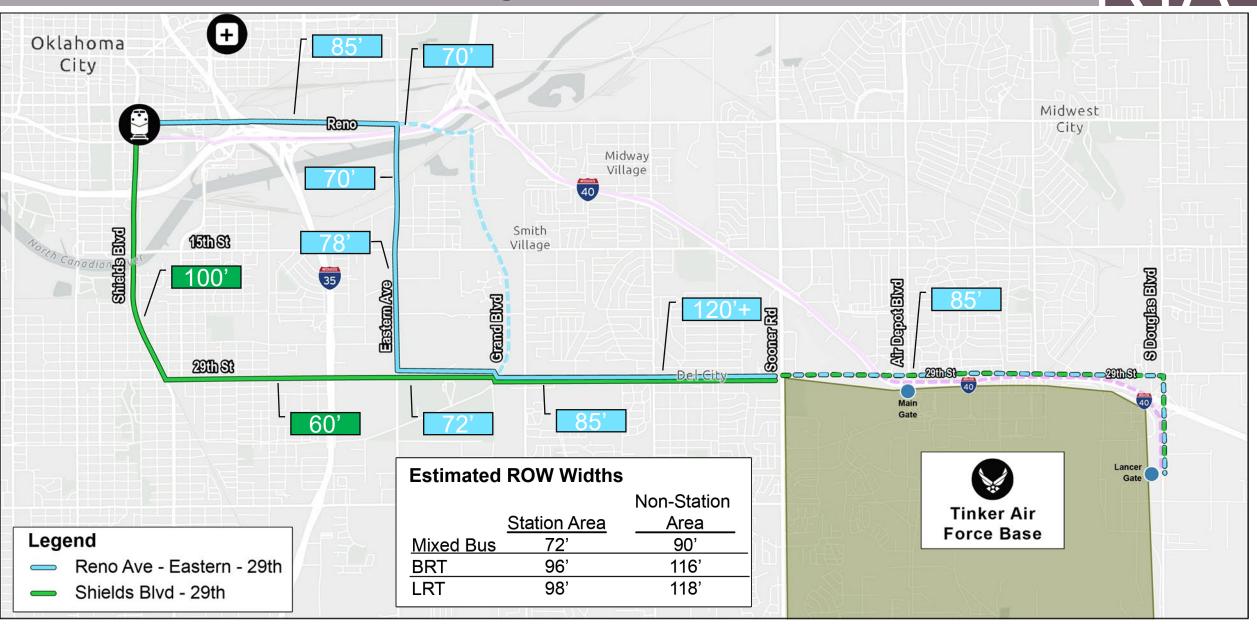


Fixed Guideway LRT Cross Section (Example)



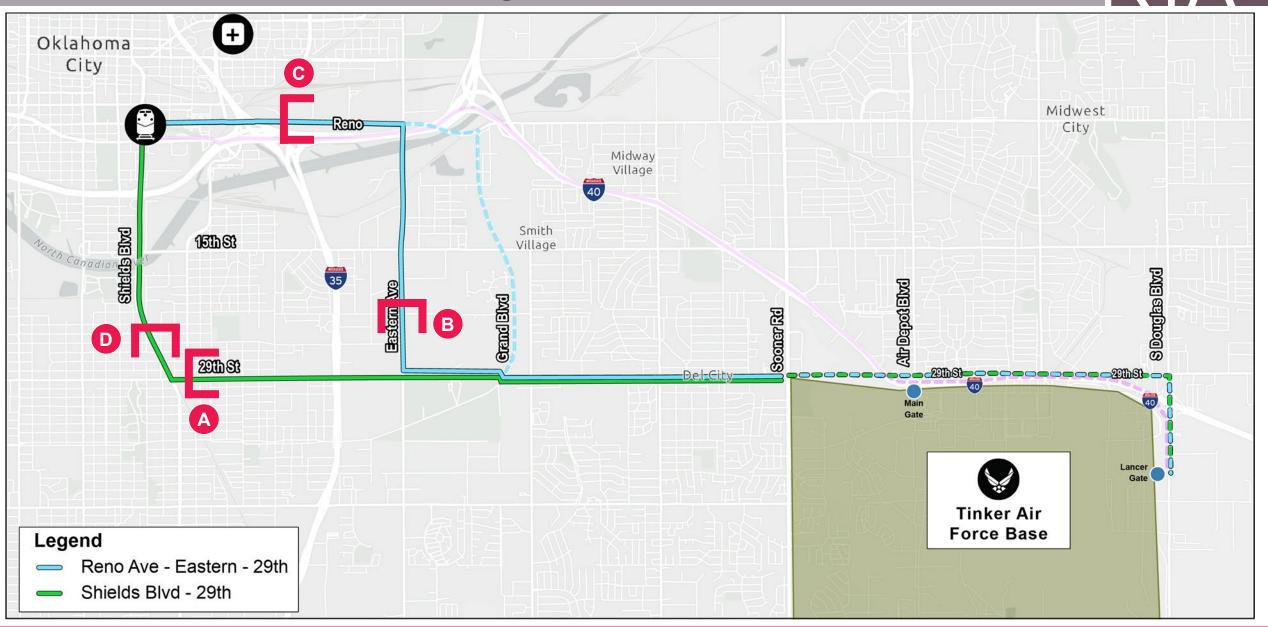


Dedicated Guideways vs. Mixed Traffic



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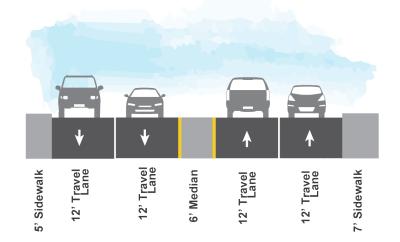
Cross Section Analysis



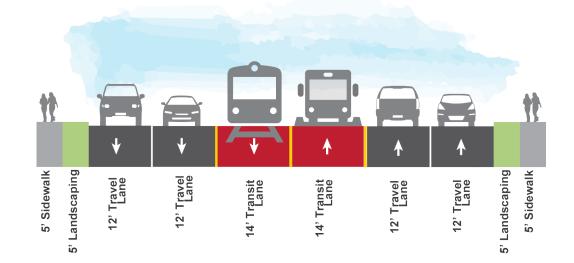
Regional Transportation Authority of Central Oklahoma

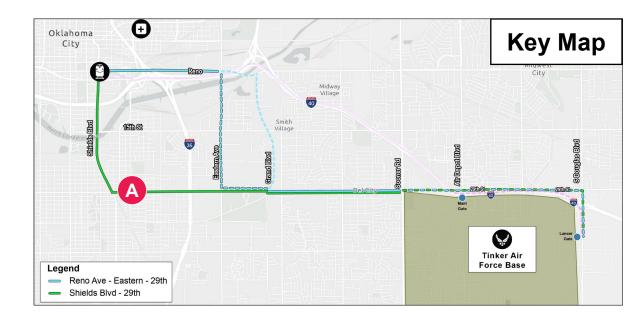
29th Street between Shields and Central

Existing Travelway: 66'



Potential Travelway: 96'





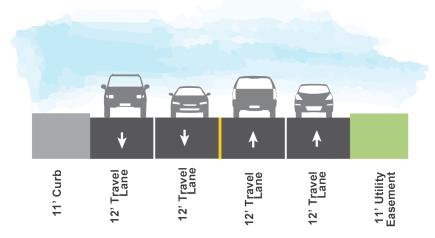
Initial Finding:

The potential design would require an additional minimum 30' of travelway

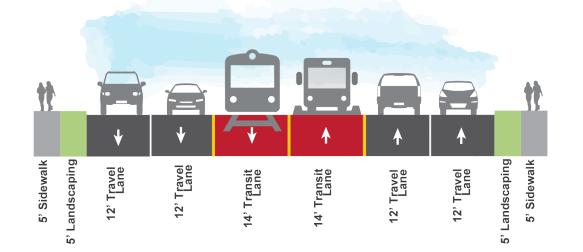
Eastern Avenue at 22nd Street

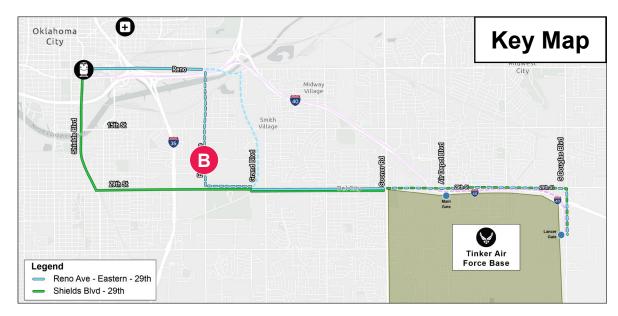


Existing Travelway: 70'



Potential Travelway: 96'





Initial Finding:

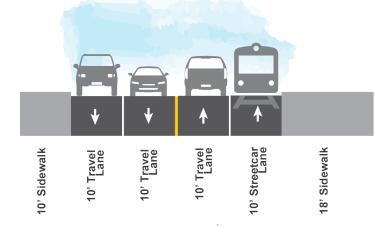
The potential design would require an additional minimum 26' of travelway

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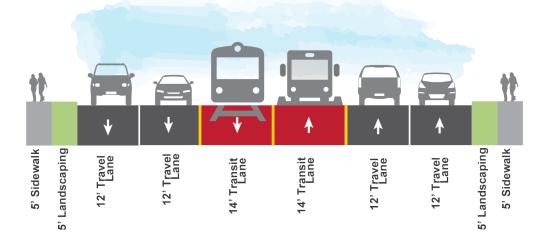
Reno Avenue at Oklahoma Avenue

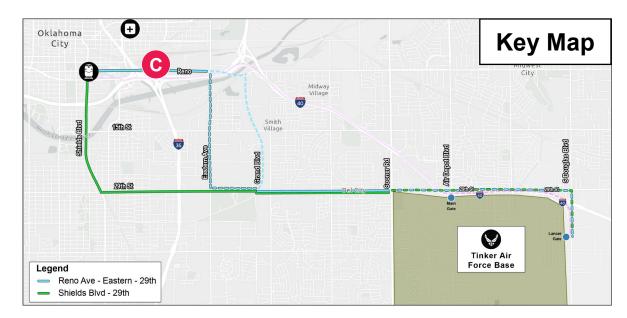
RTA

Existing Travelway: 68'



Potential Travelway: 96⁻





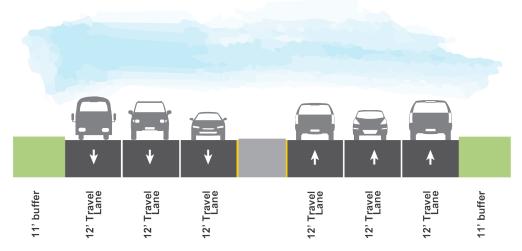
Initial Finding:

The potential design would require an additional minimum 28' of travelway

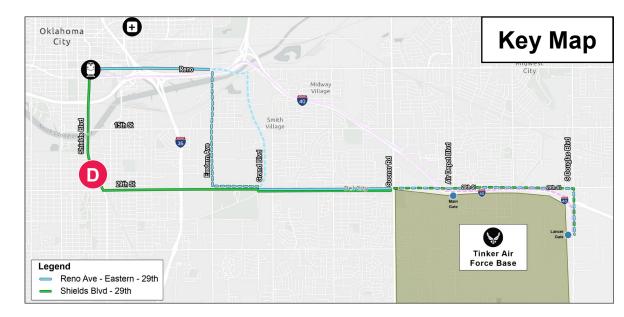
Shields Boulevard at 25th Street

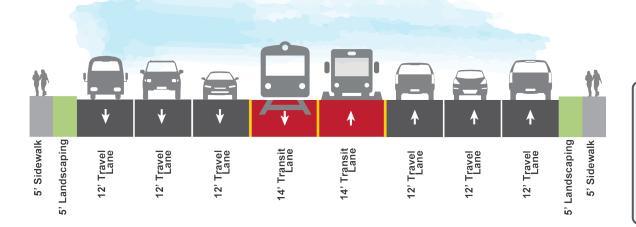


Existing Travelway: 120'



Potential Travelway: 120'





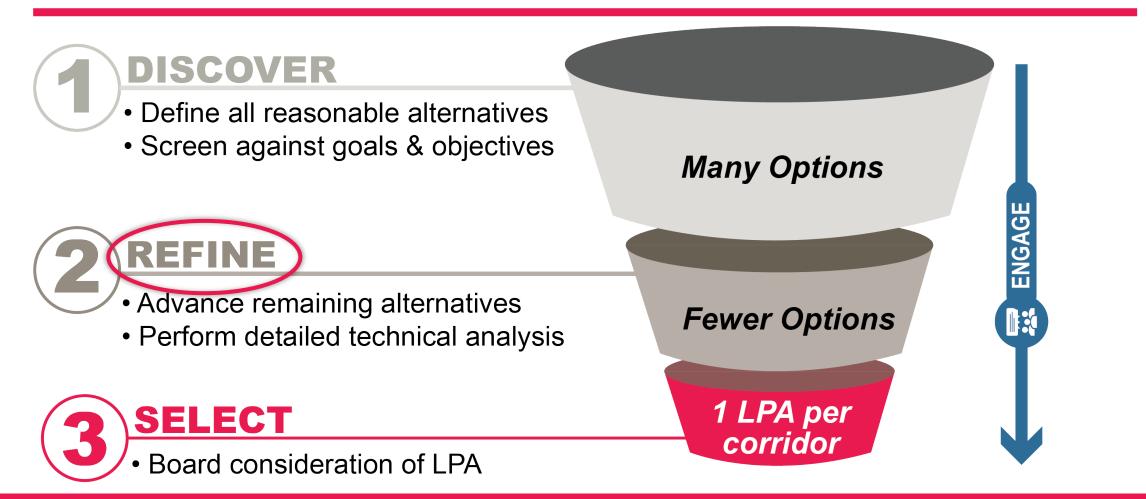
Initial Finding:

The potential design would require an additional minimum 20' of travelway

DISCUSSION



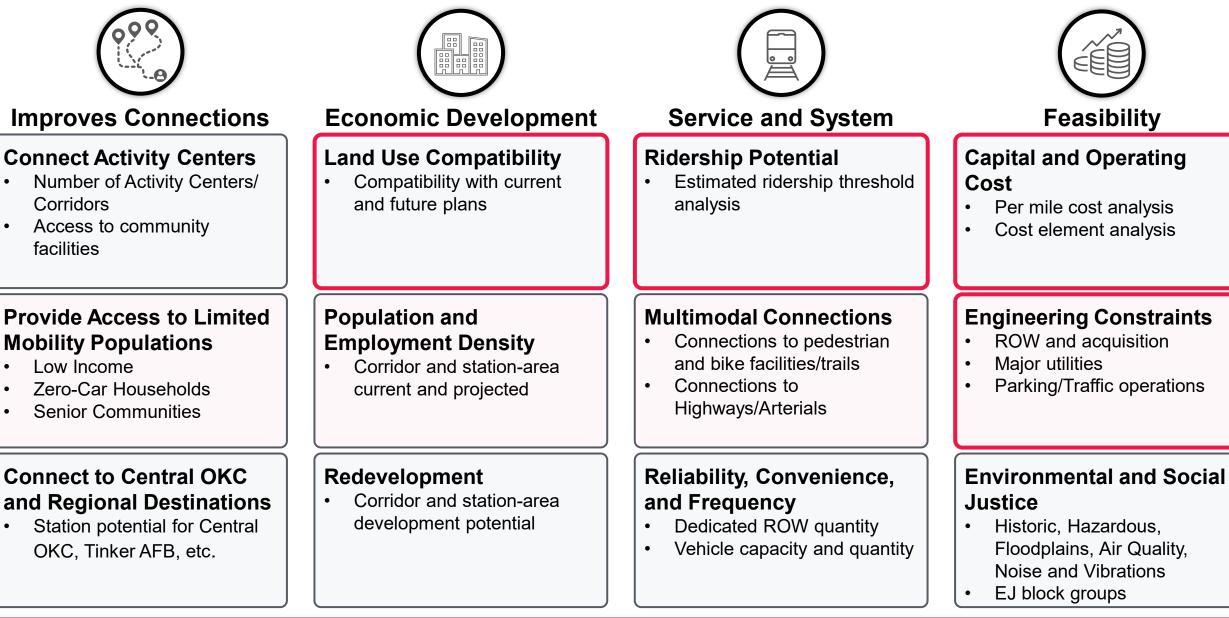
Alternative Analysis (AA) Process



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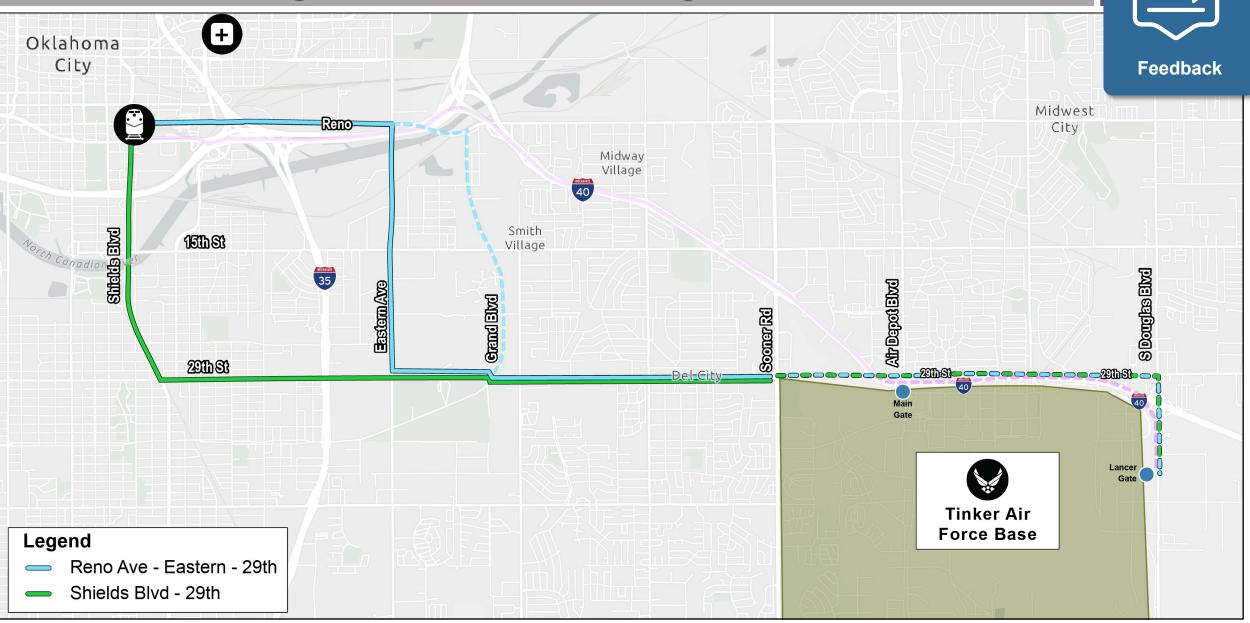
Future Detailed Analysis Components





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Updated High-Potential Alignments



Regional Transportation Authority of Central Oklahoma



Fly-Through Video

- Salt Lake City
 - Utah Valley Express (UVX) Line (BRT)
 - TRAX Line (LRT)
 - Frontrunner Line (Commuter Rail)

NEXT STEPS

Look Ahead



