PARKS HIGHWAY Alternative Corridor PEL Study

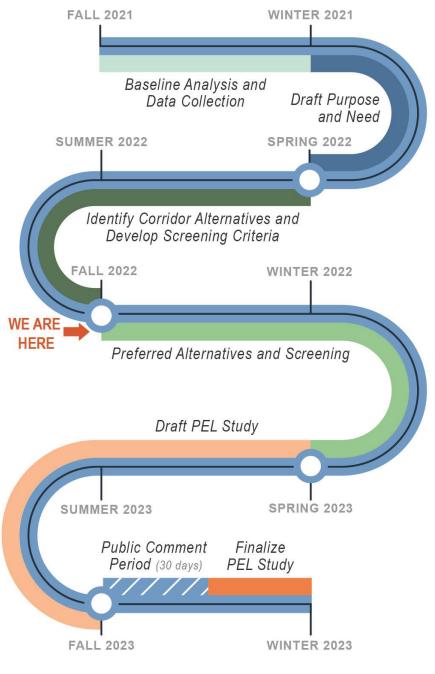
STAKEHOLDER ADVISORY COMMITTEE MEETING #2



AGENDA

- Welcome, Introductions and PEL Study Schedule
- PEL Process Refresher
- Purpose and Need Statement
- Preliminary Alternatives & Discussion
- Alternative Screening Criteria & Evaluation Discussion
- Wrap up and Next Steps





PRELIMINARY SCHEDULE





PEL STUDY AREA



PEL PROCESS & BENEFITS

PEL PROCESS





Data & Analysis Tools



Public/Stakeholder Involement



Purpose & Need



Alternatives
Development &
Evaluation



Identify Recommended Alternative(s) & Define Projects to Implement



PEL BENEFITS

The benefits of stronger linkages between transportation planning and NEPA/project development processes can include:

- Improved project delivery timelines
- Stronger agency and public relationships
- *⇒* Earlier identification of key environmental resources
- Better funding and project development information for programming funds
- Build project with better outcomes
- Flexible approach that allows more holistic development of transportation improvement strategies





Purpose

The purpose of the Parks Highway Alternative Corridor PEL study is to improve regional and local transportation through the Wasilla area of the Matanuska-Susitna Borough by identifying an alternative highway corridor that will improve safety for all transportation modes, reduce existing and future traffic congestion, and increase mobility. The study will seek to improve transportation for non-motorized users, respond to community values, and support or enhance economic, social, environmental and energy conditions.



Through a collaborative process that balances multiple viewpoints of stakeholders, agencies, and the public, and working within regulatory requirements, DOT&PF determined that a successful solution should address the following needs:

- Improve safety in the corridor for vehicles, pedestrians, and bicyclists
- Decrease fatal and serious injury crashes
- Reduce existing traffic congestion and intersection delay on Parks Highway
- Add roadway capacity to meet projected transportation demand in the corridor
- Improve the roadway network to better separate local, regional, and through trips
- Improve efficiency for freight transport
- Improve multi-modal access and flexibility for all users
- Improve the durability of roadway improvements and ease maintenance operations



Improvements should also meet these additional goals:

- Improve the efficiency of the local and regional transportation system for all its users
- Enhance and protect the public health and safety of travelers and the communities that transportation facilities traverse
- Improve existing natural environmental conditions when possible and avoid/minimize/mitigate adverse impacts to the natural environment
- Contribute to the improvement of the economy, social fabric, and quality of life along the Parks Highway corridor and in the greater Wasilla area
- Satisfy applicable federal, state, and local plans, policies, and regulations





QUESTIONS, COMMENTS?



PRELIMINARY ALTERNATIVES & DISCUSSION

CORRIDOR FUNDAMENTALS

- Functional classification and hierarchy
- Controlled access
- Review of functional classification of select roads in the project area
- Design criteria and standards
- Corridor cross section
- Interchanges



FUNCTIONAL CLASSIFICATION

Three basic classes of roadways:

- Arterial: These roads provide high mobility so traffic can move from one place to another quickly.
- Collector: These roads link arterials with local roads and serve the mobility and access duties.
- Local: These roads provide access to business, property and homes.





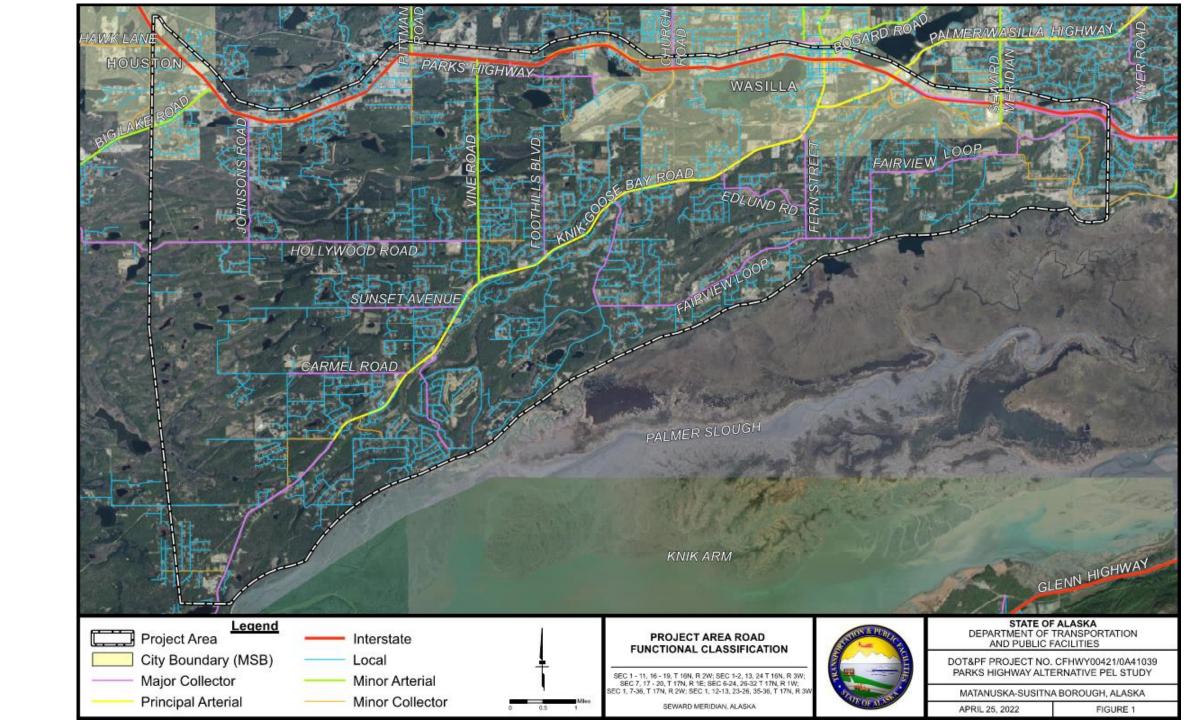


DESIGN CRITERIA SOURCES

- 2018 Alaska Highway
 Preconstruction Manual (HPCM)
- 2011 AASHTO A Policy of Geometric Design of Highways and Streets (Green Book)



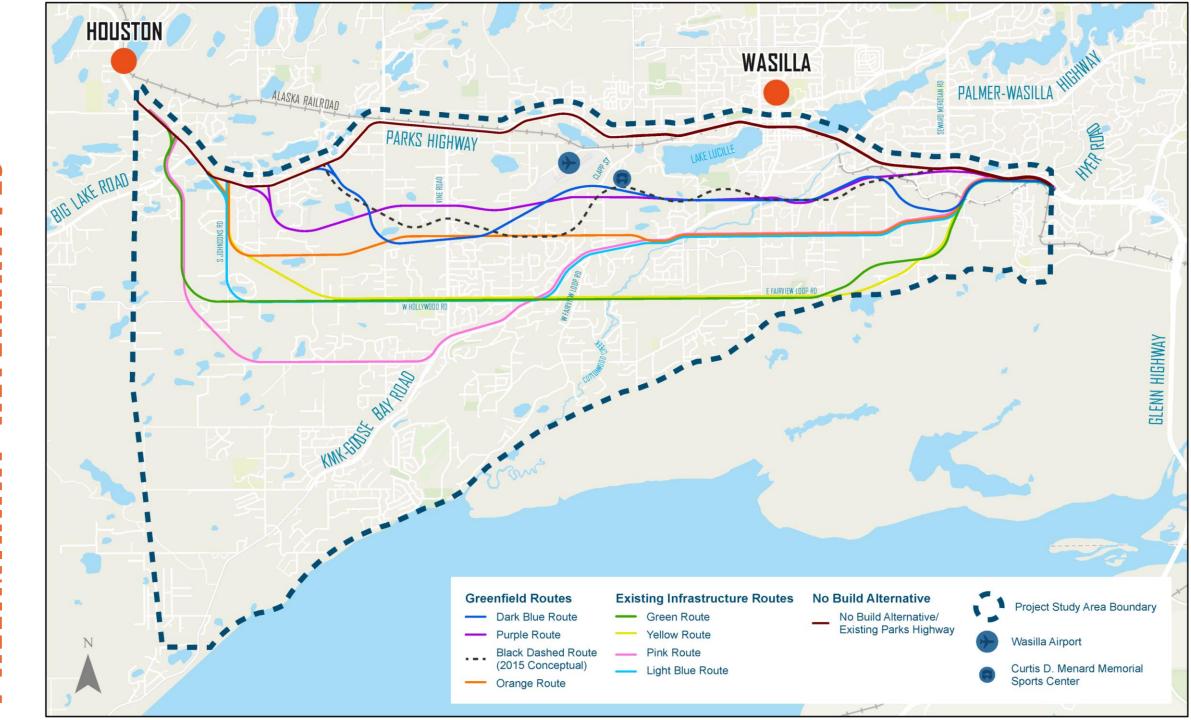












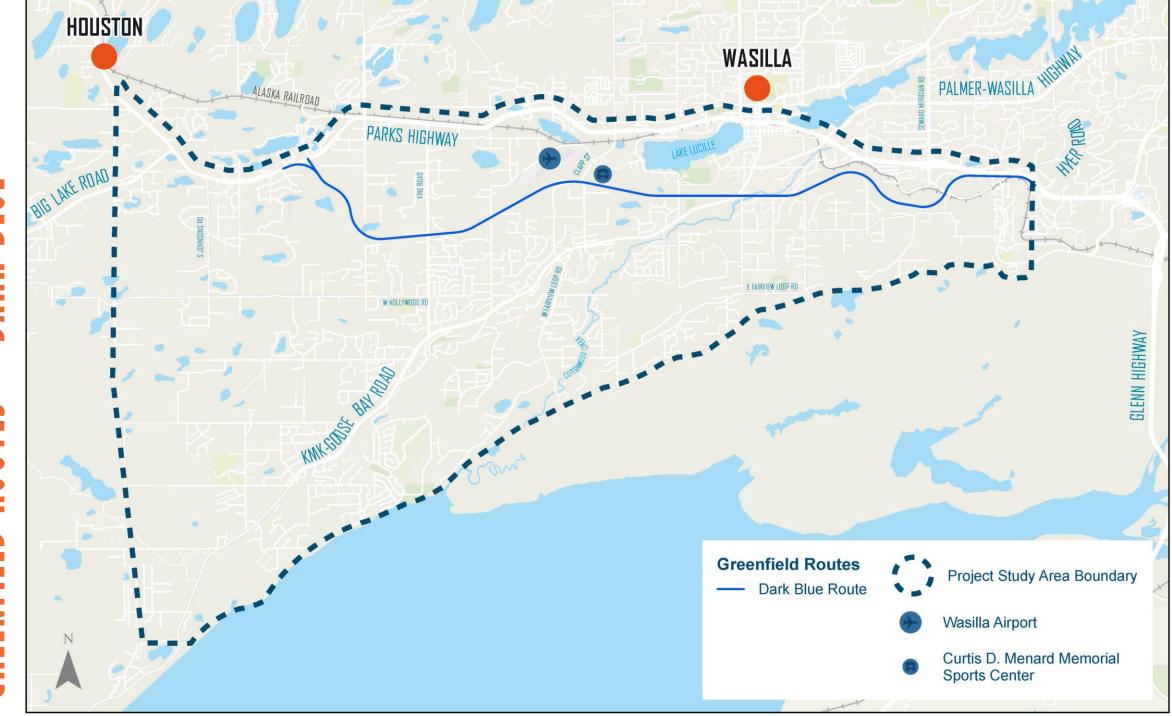
PRELIMINARY ALTERNATIVES: GREENFIELD ROUTES

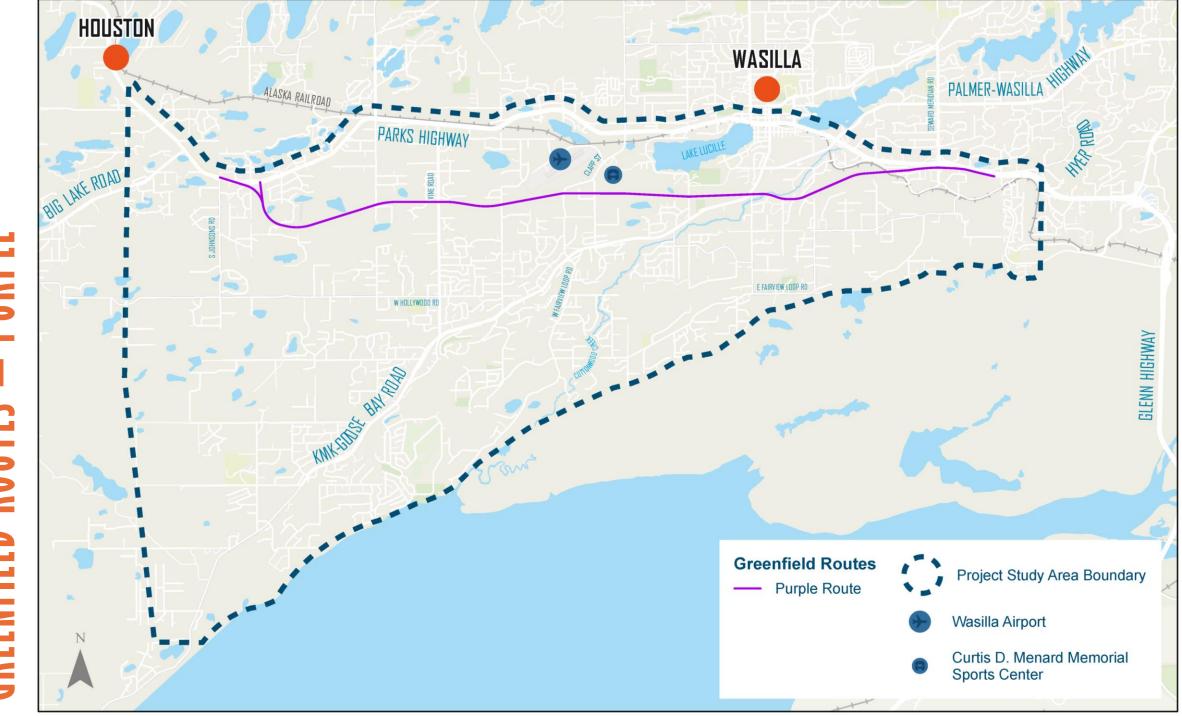
- Black Dashed Route (2015 Conceptual Planning Report Recommendation)
- Dark Blue Route
- Purple Route
- Orange Route (combination)



DASHED









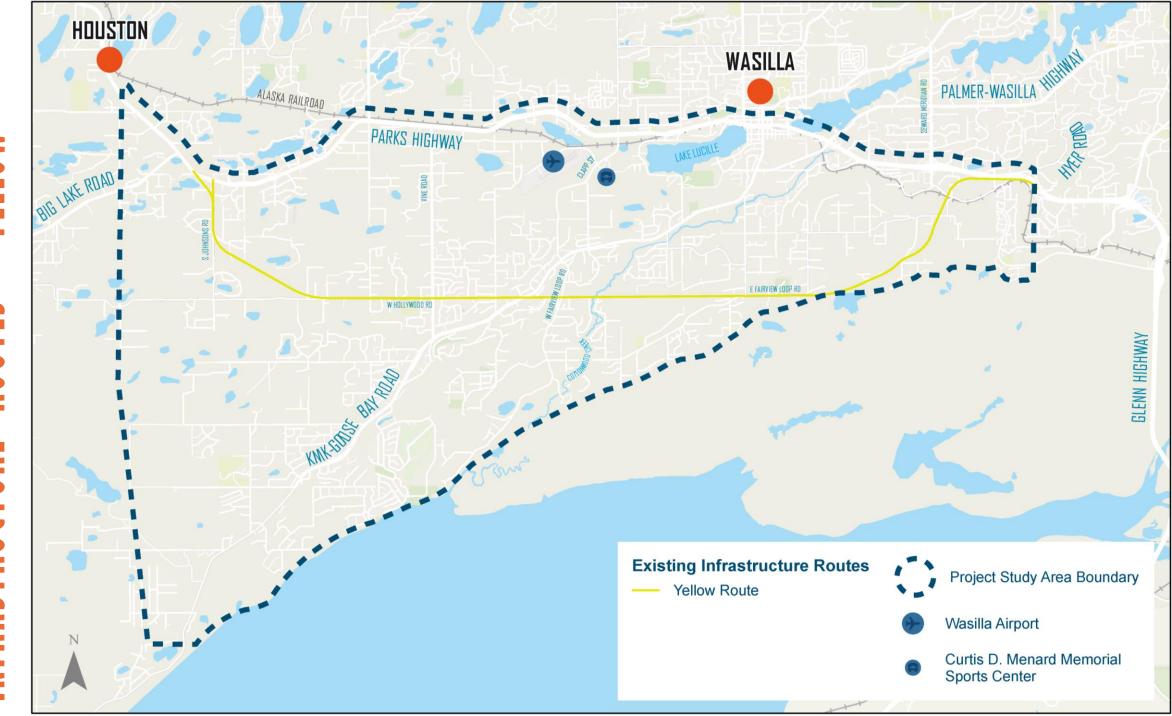
PRELIMINARY ALTERNATIVES: EXISTING INFRASTRUCTURE ROUTES

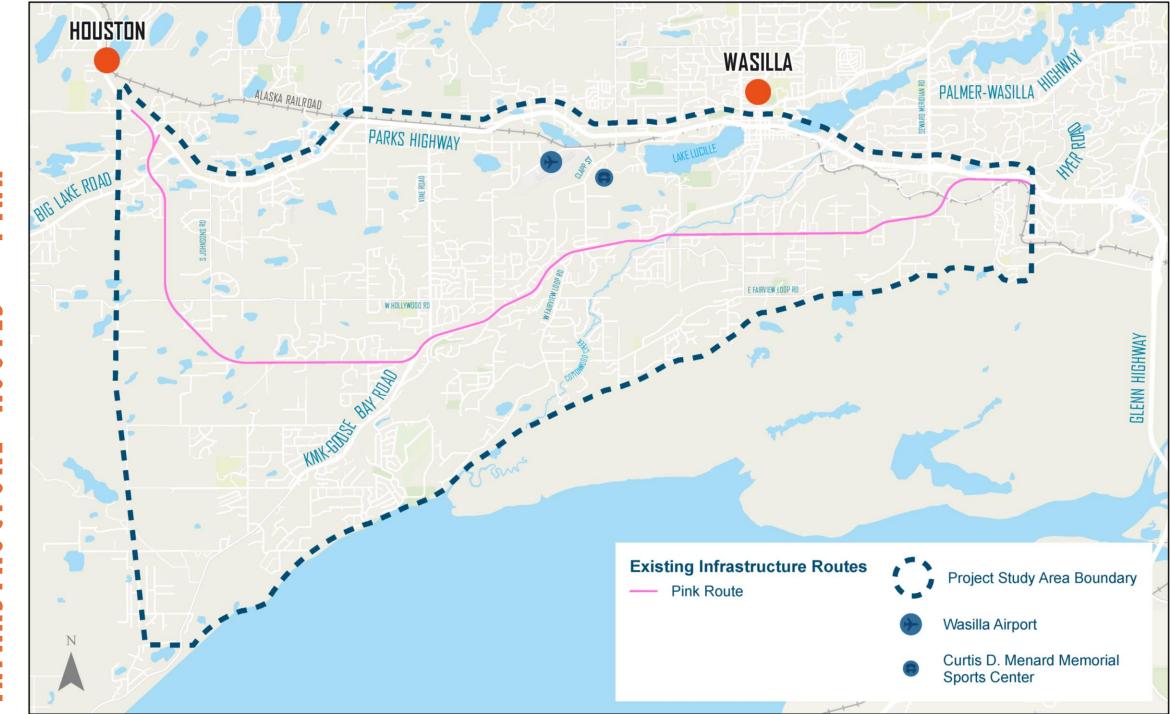
- Green Route
- Yellow Route
- Pink Route
- Light Blue Route

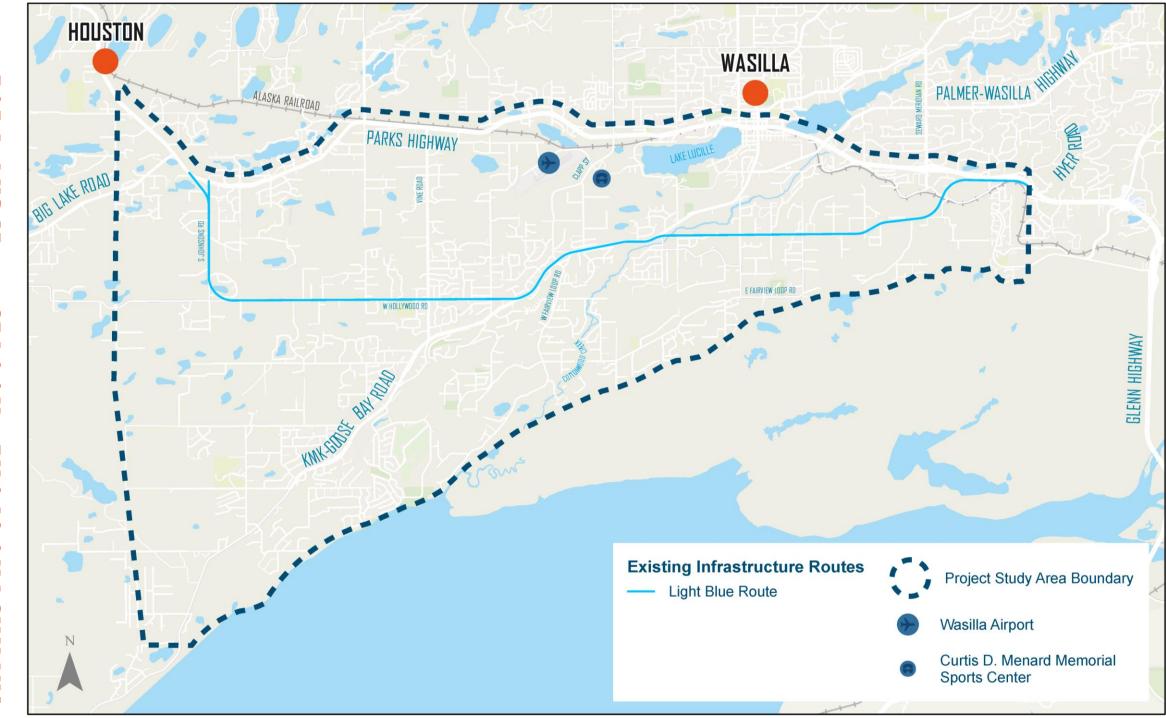


HOUSTON WASILLA PALMER-WASILLA PARKS HIGHWAY BIG LAKE ROAD **GLENN HIGHWAY Existing Infrastructure Routes** Project Study Area Boundary Green Route Wasilla Airport Curtis D. Menard Memorial Sports Center

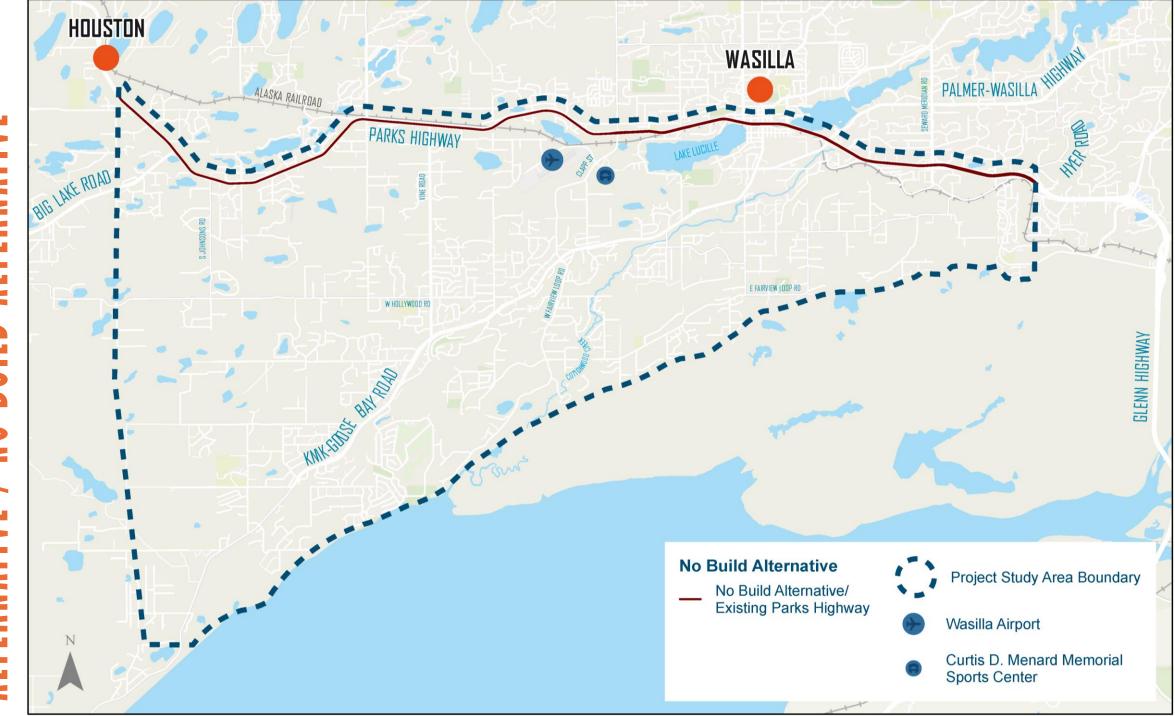
EXISTING YELLOW







NG PARKS HIGHWAY / No build alternative

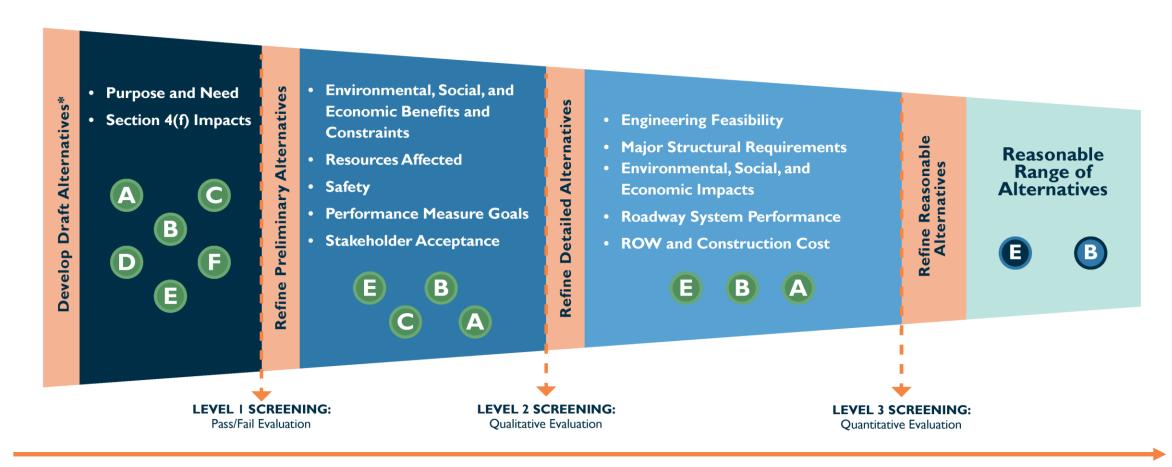






ALTERNATIVE SCREENING CRITERIA & EVALUATION DISCUSSION

ALTERNATIVE SCREENING CRITERIA & EVALUATION



Purpose & Need and Regulatory Requirements



ALTERNATIVE SCREENING CRITERIA & EVALUATION

Criteria	Measure
Safety	Rate of fatalities per 100 million VMT
	Rate of serious injuries per 100 million VMT
	Number of nonmotorized fatalities and serious injuries annually
Mobility	Average PM peak period (mph)
	Level of travel time reliability index (LOTTR)
	Truck travel time reliability index (TTTR)
	Percent of person-miles traveled that are reliable
Pavement Condition	Percent pavement area in good/poor condition
Environment	Section 4(f) & 6(f) impacts
	Area of wetlands impacted
	Potential noise impacts on nearby residential properties
	Potential for wildlife mortality; impact on wildlife movement
Community Support	Level of community support for alternative
Cost	Capital cost, maintenance cost



JOIN US IN PERSON OR ONLINE!

OPEN HOUSE NO. 2

Thursday, December 8, 2022 4:30 – 6:30 PM Wasilla Public Library, Multi-Purpose Room 500 N Crusey Street, Wasilla, AK

Online Open House

Available on the project website www.parkshighwayalternative.com on December 8, 2022



Come and learn more about the PEL study progress, preliminary corridor alternatives, and alternative screening and evaluation process.

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