

SUSTAINABLE AVIATION FUEL REFINERY

KNIK ARM BRIDGE

PORT MACKENZIE

KNIK ARM TUNNEL

PROPOSED INTERSTATE A5: ALASKA'S ENERGY AND FREIGHT CORRIDOR

Anchorage-to-Interior Interstate as a high-capacity route uniting ports, rail, and resource regions. Stretching 35 miles from Anchorage to the Parks Highway near Houston, the Interstate A5 corridor will unify Alaska's logistics spine - linking ports, airports, and rail to Interior and Arctic infrastructure. **BUILT FOR FREIGHT, ENERGY, AND SUPPLY CHAIN RESILIENCE**, this all-season route connects the Pacific Ocean to the Arctic, reducing costs and accelerating access to oil fields, mining zones, and resource-rich state lands. It's a **CRITICAL INVESTMENT** in the long-term flow of goods, energy, and opportunity across Alaska.

PROPOSED WEST SUSITNA ACCESS

Opening Alaska's Land, Resources, and Opportunity
The West Susitna Access Project opens the door to **WORLD-CLASS OUTDOOR RECREATION** on over 6 million acres of State land - through a new public road that also enables responsible access for natural resource development, energy, and local economic growth.

PROPOSED SAF REFINERY: POINT MACKENZIE

The ANSyR: Alaska's Vision for Sustainable Aviation Fuel at Point MacKenzie
Alaska's Next-Gen SynFuel Refinery (ANSyR) is a proposed SAF facility at Point MacKenzie that would leverage Alaska's vast biomass resources, existing fuel infrastructure, and global cargo access to produce clean, drop-in jet fuel. Strategically located near Anchorage's international airport and backed by the state's carbon storage policies and energy expertise, ANSyR positions Alaska to **LEAD IN SUSTAINABLE AVIATION** while advancing a carbon-smart economy.

ALASKA INTERNATIONAL AIRPORT SYSTEM

Strategic Reach, Resilient Returns
Anchored by Anchorage and Fairbanks, Alaska's airport system offers 24/7 global access with built-in redundancy, Foreign Trade Zone benefits, and the only U.S. cabotage exemption for cargo transfers. This unique legal and logistical platform connects Asia to North America and unlocks **EFFICIENT, RESILIENT SUPPLY CHAIN** investment from the Pacific to the Arctic.

- Existing Roads
- Existing Railways
- Proposed Railways
- Petroleum Refineries
- International Airports
- Proposed Roads
- Tunnels
- Bridges
- Ports



Fairbanks - 302 miles • Prudhoe Bay - 800 miles (distance from Houston, AK)

ALASKA'S VISION

INVESTMENT IN THE FUTURE OF COMMERCE, ENERGY, AND SUSTAINABLE GROWTH IN SOUTHCENTRAL ALASKA

Join Us in Unlocking Alaska's Potential



GLOBAL POSITION ADVANTAGE

Strategic Location: Closest U.S. gateway to Asia, the Arctic, and northern shipping routes.
Cost-Efficient Routes: Polar position shortens cargo routes and cuts fuel costs.
Logistics Hub: Top global hub for logistics with advanced infrastructure.
Key Projects: Includes major airports, ports, and the Knik Arm Bridge & Tunnel.
Investment Opportunities: Open for business, attracting global investors.



Scan the QR code for more information

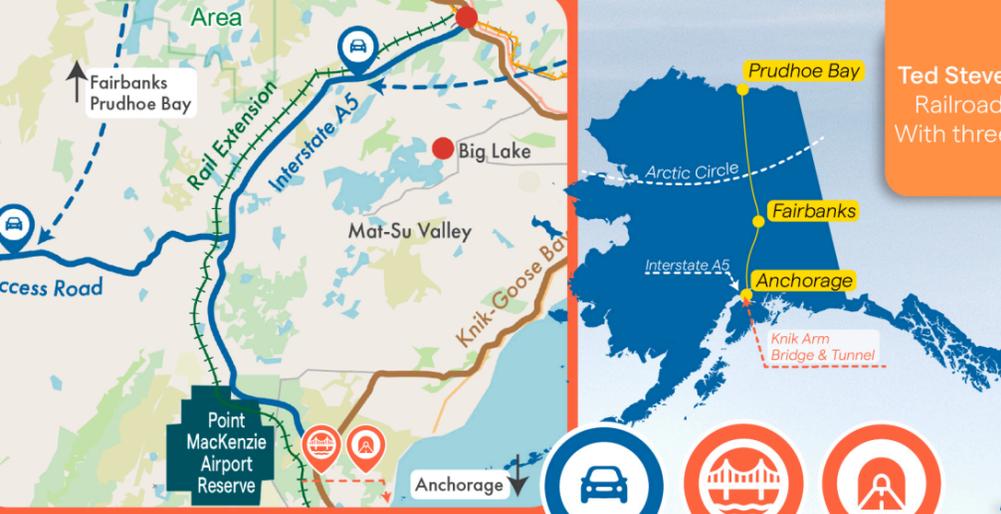
PROPOSED KNIK ARM CROSSING: UNLOCKING ALASKA'S NEXT ECONOMIC FRONTIER

A transformative fixed crossing - via tunnel or bridge - linking Anchorage to the Mat-Su Valley, Alaska's fastest-growing region.
This high-capacity corridor will open thousands of acres for development, support housing expansion, and provide a **VITAL SECOND LINK** between the state's economic core and its future growth center. It is a foundational step toward **LONG-TERM INFRASTRUCTURE** integration and global investment in Southcentral Alaska.



Learn More About Alaska's Future
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Kenai Peninsula Borough, Matanuska-Susitna Borough GIS, Municipality of Anchorage, State of Alaska, Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, USFWS



**STRATEGIC CONNECTIVITY
UNLOCKING DIRECT ACCESS TO THE INTERIOR AND ARCTIC**

ARCTIC MULTIMODAL LINK

INTERSTATE ACCESS TO PORTS, RAIL, AND ENERGY

ALASKA PROPOSES INTERSTATE A5 - THE STATE'S FIRST NEW INTERSTATE SINCE 1976 - AS A MODERN ENERGY AND FREIGHT CORRIDOR CONNECTING ANCHORAGE NORTH AND UNLOCKING DIRECT ACCESS TO THE INTERIOR AND ARCTIC.

Aligned with the Point MacKenzie Rail Extension corridor THIS PROJECT CO-LOCATES ROAD AND RAIL INFRASTRUCTURE TO ESTABLISH A NATURAL MULTIMODAL ROUTE. A5 will connect the Pacific Ocean to the Arctic via a new 35-mile link that reduces transportation costs, enhances emergency redundancy, and opens up high-growth areas of the Mat-Su Valley for residential and commercial development. Designed for long-haul freight, energy delivery, and economic resilience, A5 positions Alaska for investment in 21st-century supply chains and national energy security.

**CONNECTING PORTS TO PIPELINES AND RAIL TO RESOURCES
THIS IS ALASKA'S LOGISTICS BACKBONE.**

NEW INTERSTATE LINK FOR ALASKA

Designed with freight and logistics in mind, this corridor delivers transformative benefits to Alaska's commercial trucking industry—providing faster, safer, and more efficient access to the Interior and Northern regions of the state, including the oil fields of Prudhoe Bay. By reducing congestion on existing highways and streamlining direct access to the National Highway System, the project supports lower transportation costs and increased reliability for supply chains.

This corridor will strengthen Alaska's logistics backbone, unite key ports and rail systems, and serve as a direct land-based gateway to the Interior and the North—enhancing access to energy projects, mineral resources, and Arctic infrastructure while supporting statewide economic growth and security. It will open the generational opportunity across Southcentral and Interior Alaska.

Multimodal Synergy: Connecting the Airport and Ports to the National Hwy System
This proposed interstate highway follows the Point MacKenzie Rail Extension corridor, enhancing Alaska's freight and logistics assets. Co-located with future rail capacity, it boosts multimodal flexibility and strengthens the state's supply chain.

Economic Development and Land Access
The Mat-Su Valley, Alaska's fastest-growing population center, will benefit from a faster, safer route between home and work. The corridor opens new areas for residential development and affordable housing, supporting economic growth and quality of life.

Investment-Ready Vision with Clear Alignment
Leveraging the Point MacKenzie Rail Extension corridor, this project streamlines permitting and accelerates delivery. Co-locating road and rail reduces environmental impact, aligning with state development goals and making the project an attainable vision for the future.

Ted Stevens Anchorage International Airport (ANC) is Alaska's key logistics hub, strategically located near the Port of Alaska and Alaska Railroad terminals. It benefits from Foreign Trade Zone status and special sabotage exemptions, making it a highly flexible cargo hub. With three runways, including a 12,400-foot main runway, extensive taxiways, and large cargo areas, ANC supports year-round passenger and cargo operations, connecting Alaska to the world.

Fairbanks International Airport (FAI) complements ANC by providing redundancy and surge capacity for cargo and passenger operations. Located near downtown Fairbanks, FAI features an 11,800-foot runway and ample parking for heavy lift and military traffic. It connects Interior and Northern Alaska to key fuel supply lines, rail, and highways, supporting remote communities and industrial projects. FAI also serves as a hub for tourism and workforce mobility, ensuring statewide aviation continuity and flexibility.

MODERN REFUELING HUB

In 2022 alone, AIAS delivered an impressive 900 MILLION gallons of aviation fuel, showcasing Alaska's pivotal role in meeting international fuel demands

ALASKA HAS THE DEMAND

ANC HANDLES OVER 3.5 MILLION TONS OF CARGO ANNUALLY



ALASKA INTERNATIONAL AIRPORT SYSTEM (AIAS) IS ALWAYS OPEN FOR LANDINGS

Anchorage (ANC) is the region's cargo hub, optimizing fuel loads and maximizing efficiency. Even in rare weather events, Alaska's network of diversion airports ensures reliable landings and uninterrupted cargo flow.



FAI

ANTONOV AN-124 IS THE SECOND HEAVIEST GROSS WEIGHT CARGO AIRPLANE IN THE WORLD. PICTURED THE AN-124 IS PREPARING TO TAKE OFF USING TEMPORARY RUNWAY 01L AT FAI.
Photo by Melissa Osborn, Alaska DOT&PF



AIAS IS COMPETING TO BE THE #3 IN THE WORLD FOR CARGO TONNAGE



**SUSTAINABLE AVIATION FUEL
A Five-Phase Path to Production and Integration**

PHASE 1	2025	Feasibility
PHASE 2	2025 / 2026	Preliminary Design & Environmental Documentation
PHASE 3	2026 / 2027	Front End Engineering Design
PHASE 4	2026 - 2028	SAF Blending/Imports
PHASE 5	2027 - 2030	Final Permitting & Construction

FEEDSTOCK SUPPLY

46 M dry tons woody biomass within 1 mile; 571 k tons/yr growth ensures scalable operations.

PRODUCTION VOLUME

230 MGY total synfuel (150 MGY SAF); modular HEFA adds 13 MGY early cash flow.

CAPEX & OPEX

Total CapEx \$2.78 B; net SAF production cost \$5.22-\$6.47/gal pre-incentive; 45Q & RFS cut net cost by ~\$2.00/gal.

CARBON INTENSITY

≤44 gCO₂e/MJ (<20% of conventional Jet A), eligible for CORSIA & LCFS credits.

INCENTIVES

45Q (\$85/tCO₂), SAF blender's credit (\$1.25-1.75/gal), RFS D5 obligations.

INFRASTRUCTURE

Rail-connected Port MacKenzie; direct pipeline to TSAIA; 1,200-ft dock; 3.4 M bbl storage.

All within the Knik Arm Region: two major ice-free deep water ports, primary rail and interstate connections, pipelines, major power transmission lines, Anchorage International Airport, and millions of acres of State land for development.

ALASKA NEXT-GEN SYN FUEL REFINERY (ANSyR)

WE HAVE THE DEMAND, WE HAVE THE EXPERTISE, WE HAVE THE INFRASTRUCTURE, AND WE HAVE THE RESOURCES.

Documented Air Carrier demand from FedEx, UPS, Atlas, Alaska Air, Cathay Pacific, Kalitta Air, American Airlines, Delta Airlines, United Airlines, China Airlines

Alaska's natural resources—millions of acres of beetle-killed forests and over a million tons of fishery byproducts annually—offer powerful, underutilized feedstocks for Sustainable Aviation Fuel (SAF) production. By converting wildfire-prone timber and lipid-rich fish waste into low-carbon fuel, Alaska can transform environmental liabilities into climate solutions while advancing energy independence and waste reduction.

Home to Prudhoe Bay, the continent's largest oil field, Alaska has a legacy of safe, responsible energy development that funds education, infrastructure, and public services.