



Alaska International Airport System
Ted Stevens Anchorage International Airport
Fairbanks International Airport

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Invitation for Expression of Interest (EOI)

EOI Procurement #2519H027: Amendment Two

Issue Date: November 13, 2018

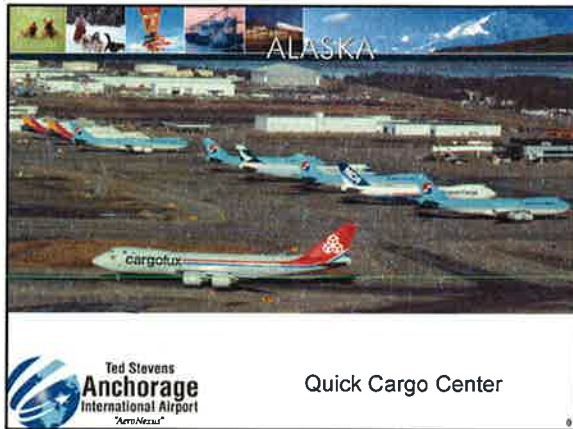
QUICK CARGO CENTER WAREHOUSE FACILITY AT THE TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT

This amendment is issued to announce the posting of the following documents:

1. Quick Cargo Educational Session PowerPoint Presentation
2. Quick Cargo Center Site 1 Drawing
3. Quick Cargo Center Site 2 Drawing

The state expects to issue an additional amendment containing notes related to the educational session held on November 7, 2018 within the next week.

Questions: Please direct questions related to this project to: tom.mayer@alaska.gov



AIR SERVICE DEVELOPMENT

Air Cargo Understands the Advantage of Anchorage

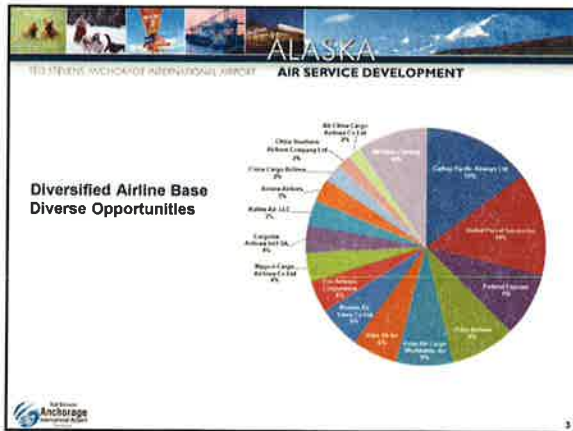
- #2 air cargo airport in North America
- #5 in the world
 - Cargo operations on a typical day
 - 25 ORD
 - 20 HKG
 - 20 PVG
- 150+ wide-body cargo operations per day
 - 100 Boeing 747 operations

B767F B747-8F B777F Range

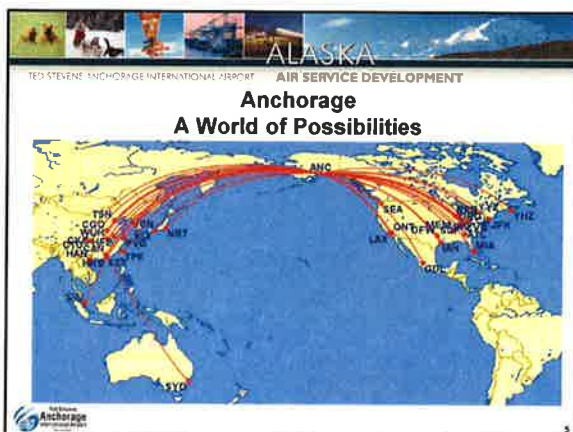
Top 20 Global Air Cargo Airports

B-767F
B-747-8F
B-777F

- MTOW B767F range 3,255NM
- MTOW B747-8F range 4,120NM
- MTOW B777F range 4,970NM







ALASKA
TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT
AIR SERVICE DEVELOPMENT

Asia

- Hub efficiencies can make smaller markets viable
- Access to multiple growing Chinese and Asian markets

Alaska Airlines Anchorage International Airport

ALASKA
TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT
AIR SERVICE DEVELOPMENT

Fragmentation and Growth

- China largest market-growth market-fragmented market
- China growth markets
 - Chongqing
 - Zhengzhou
 - Shenzhen
 - Chengdu
- Other Asian Growth Markets
 - Vietnam-No Flag Freighters
 - 2017 Growth 20%
 - Cambodia-No Flag Freighters
 - 2017 Growth 25%
 - Malaysia-No Flag Freighters
 - 2017 Growth 10%
- Etihad example
 - Hanoi-Anchorage-Columbus
 - Pallets to LA

CHINA ACCOUNTS FOR 50% OF TRANSPACIFIC AIR CARGO MARKET

4,416,000 TONNES

Source: IHS Markit US LDC

Alaska Airlines Anchorage International Airport

ALASKA
TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT
AIR SERVICE DEVELOPMENT

North America and Latin American Network

- Multiple flights to major markets
- Major US integrators have sort facilities and freighter flight to their gateways at ANC

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ALASKA
TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT **AIR SERVICE DEVELOPMENT**



Quick Cargo Center
POTENTIAL MARKET SEGMENTS

The Alaska Anchorage International Airport


ALASKA
TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT **AIR SERVICE DEVELOPMENT**

Perishables to Asia

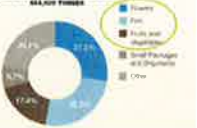
- ANC offers multiple freighter options throughout Asian and specifically China
- PVG Customs clearance verses other Chinese cities closer to final destination
 - PVG truck traffic
 - PVG to Wuhan 9 hours
 - PVG to Hefei 6 hours
- ANC QCC could hold product for flight
- Latin America-Asia estimated at 750,000 to 1,000,000 million metric tons annually*
- Lobster flight example
 - Halifax-Anchorage-Changsha
 - Halifax-Anchorage-QCC
 - Zhengzhou-Beijing-Shanghai-Guangzhou-Wuhan
 - Lobster plane goes back via JFK or ORD with pallets from multiple Asian destinations
- Similar for Pharmaceuticals
 - IATA CEV Pharma Certification (in process)

*Trade lane not published in Boeing World Cargo Forecast but rise in their appetite

MONTHLY AIRCRAFT TO EAST ASIA LAST YEAR TONNES



LATIN AMERICA TO NORTH AMERICA LAST YEAR TONNES



The Alaska Anchorage International Airport

ALASKA
TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT **AIR SERVICE DEVELOPMENT**

E-commerce

- Flying inefficiently
 - ANC facility may allow to only fly half of journey inefficiently
- Globally popular items
- Alaska items
- Ocean supply to distribution center possible
 - 3 days cruise from Seattle/Tacoma
- Australian, California or Washington wine






The Alaska Anchorage International Airport

ALASKA
TED STEVENSON ANCHORAGE INTERNATIONAL AIRPORT
AIR SERVICE DEVELOPMENT

Large Time Sensitive Items

- Aircraft parts
- Machinery
 - John Deer
 - Caterpillar
 - Kohler
 - Generators
- Global relief supplies



Ted Stevens Anchorage International Airport

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AIR SERVICE DEVELOPMENT

Opening Europe

- Hub and spoke provides efficiencies and allow for access to low density routes
- Better utilization of backhaul imbalance capacity
- ANC to:
 - FRA 4,064nm
 - LGG 4,004nm
 - AMS 3,901nm
 - LHR 3,901nm
 - CDG 4,073nm




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AIR SERVICE DEVELOPMENT

Additional Uses

- Mechanical breakdowns
- Missing slot window
- Weight limits and winds aloft "bumped cargo"
- Passenger belly cargo
 - Wide body ATL
 - Wide body DFW
 - Wide body FRA
 - Wide body Asia-Latin America
 - Too far for non-stop
- Bulk breakdown to B737s and B757s
- Warm storage
- Ground handler office space
- GSE repair



Ted Stevens Anchorage International Airport

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TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT AIR SERVICE DEVELOPMENT



Unique Airport
UNIQUE OPPORTUNITY

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ALASKA
TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT AIR SERVICE DEVELOPMENT



ANC
Leader in on-time performance

- 7-8 international gates
- 3 runways over 10,000 ft.
- Cat IIIb approaches
- 4th runway in master plan
- 24-hour Customs and Immigration
- Short taxi times
- No night curfew
- No slots required
- Never closed for snow
- Low cost per enplanement

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TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT AIR SERVICE DEVELOPMENT

Cargo Transfer

Liberal cargo transfer rules expand markets

Sample Global Approaches to Using AIAA Locations and DOT Exemptions

Technical Steps in ANC Can Be Completed in 1-2 Hours

On-Line Transfer: Multiple Origins and Destinations

Interline to/from US Non-US carrier to/from US carrier

ANC within a Foreign Trades Zone (FTZ)

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Starburst Change of Gage

Re-Palletization

- **B747-8F**
 - 858 cubic meters of volume
 - 139 tons
- **B767F**
 - 445 cubic meters of volume
 - 52 tons
- **B777F**
 - 653 cubic meters of volume
 - 102 tons
- Belly Cargo for passenger flights

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TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT AIR SERVICE DEVELOPMENT

Efficient Location

- Current cargo facilities
 - 3.3 miles round trip on the tug road from main cargo parking area
- Site 1
- Site 2


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The Sites

- Site 1
 - 100,000 sf
 - Landside access
- Site 2
 - Over 350,000 sf
 - No landside access
- Other sites


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AIR SERVICE DEVELOPMENT

Expression of Interest Feedback

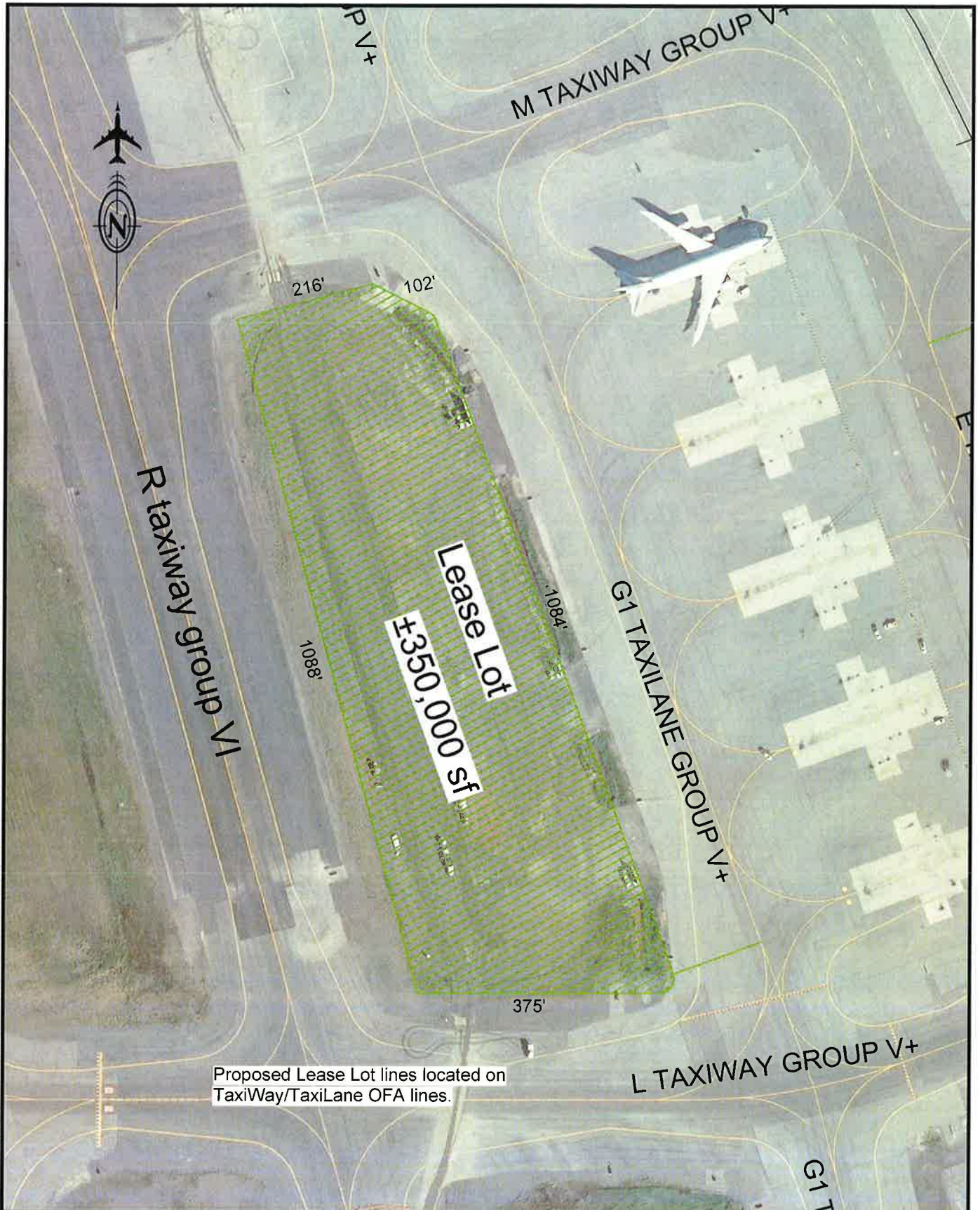
- Which location
 - Site 1
 - Site 2
 - Both
 - Other
- What size
 - Phase able
- Vision
 - Support facilities
 - Market development
 - RFP Suggestions





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Proposed Lease Lot lines located on TaxiWay/TaxiLane OFA lines.

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SCALE IN FEET

Airport Engineering

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES



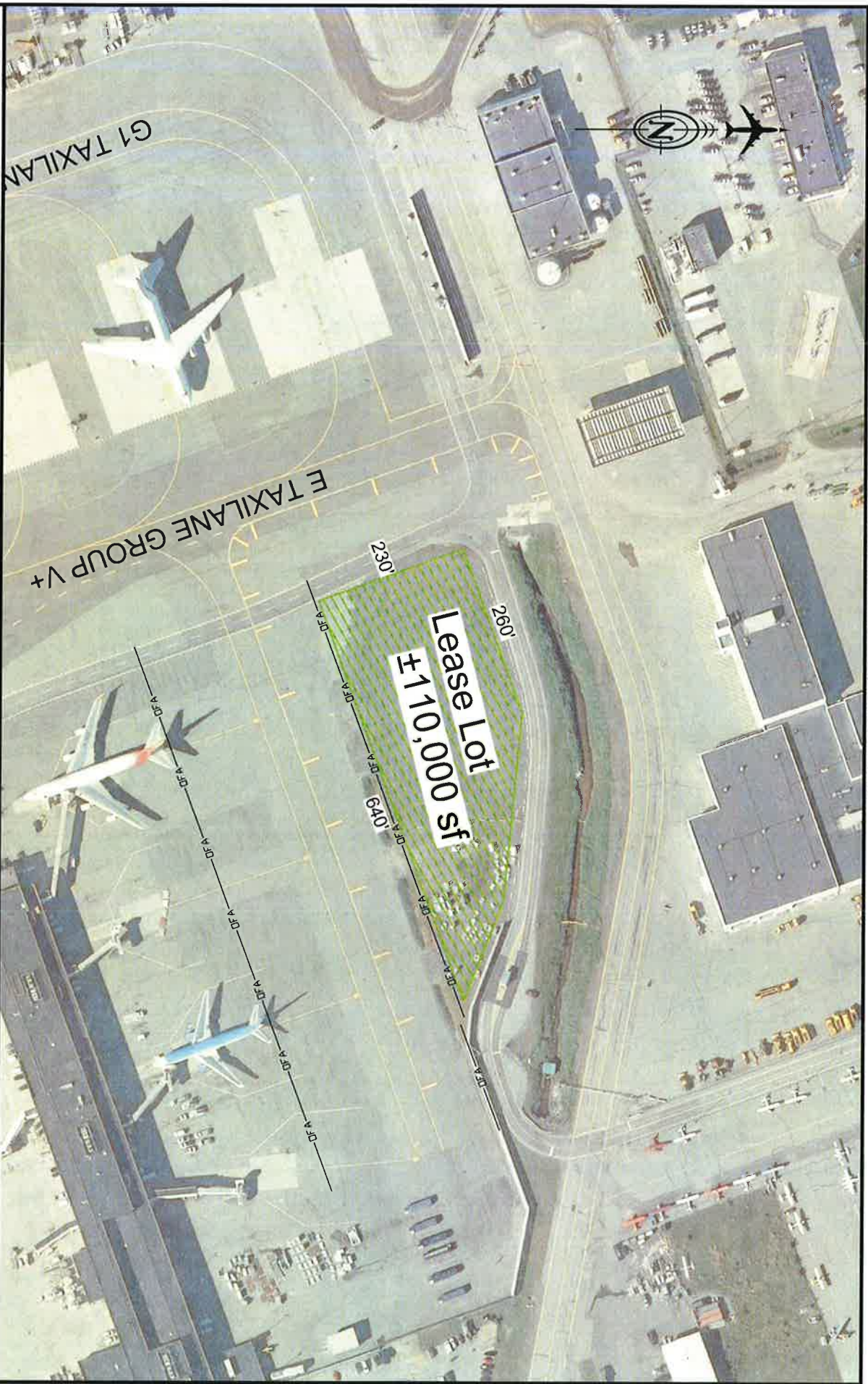
Ted Stevens
Anchorage
International Airport
"AeroNexus"

Quick Cargo Center
Warehouse Facility Site 2 Overview

November 2018

SHEET

1
of
1



SCALE IN FEET

Airport Engineering

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

Anchorage
Ted Stevens
International Airport
"Aerodrome"

Quick Cargo Center

Warehouse Facility Site 1 Overview
November 2018

DRAFTED: CHECKED: APPROVED: