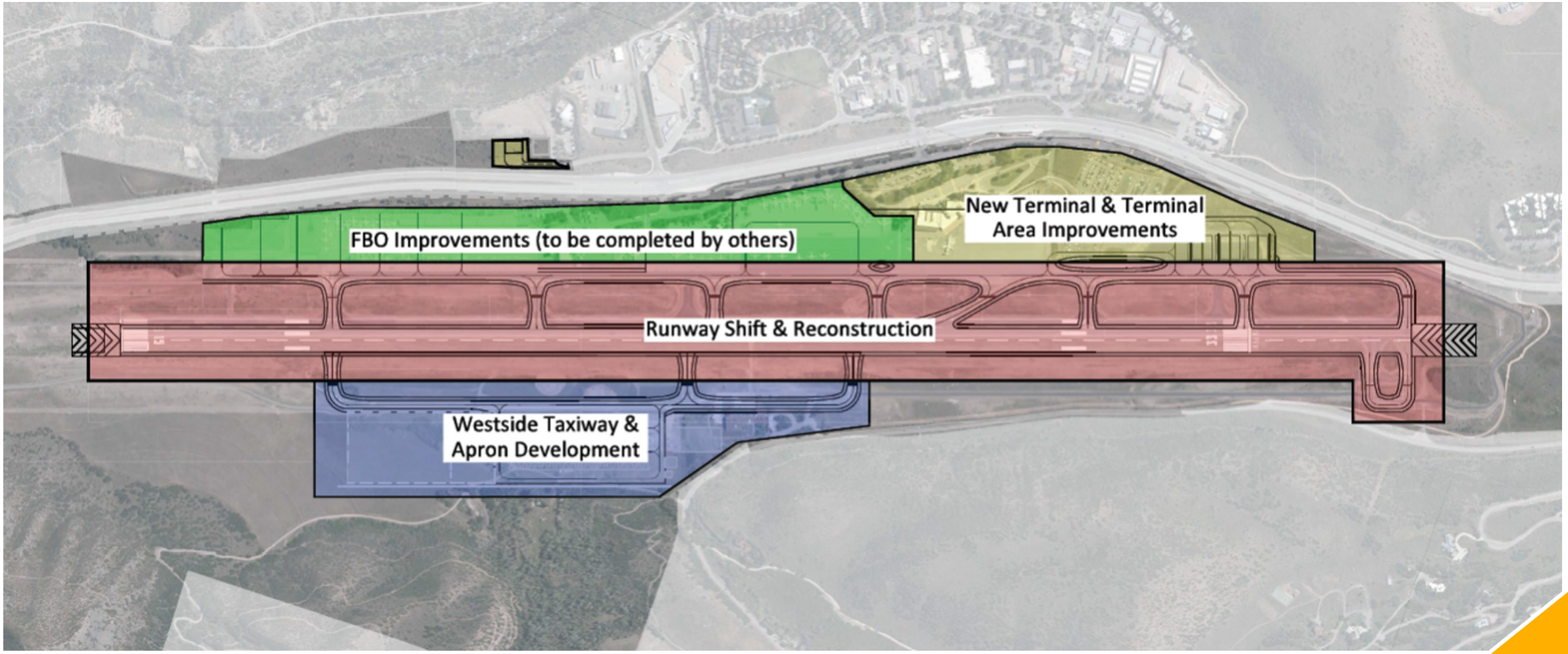
Aspen/Pitkin County Airport (ASE)

Airport Modernization

ASPEN/PITKIN COUNTY AIRPORT

ASE Modernization: *Program Components*



Terminal Design Process: *Milestones+Input/Info*

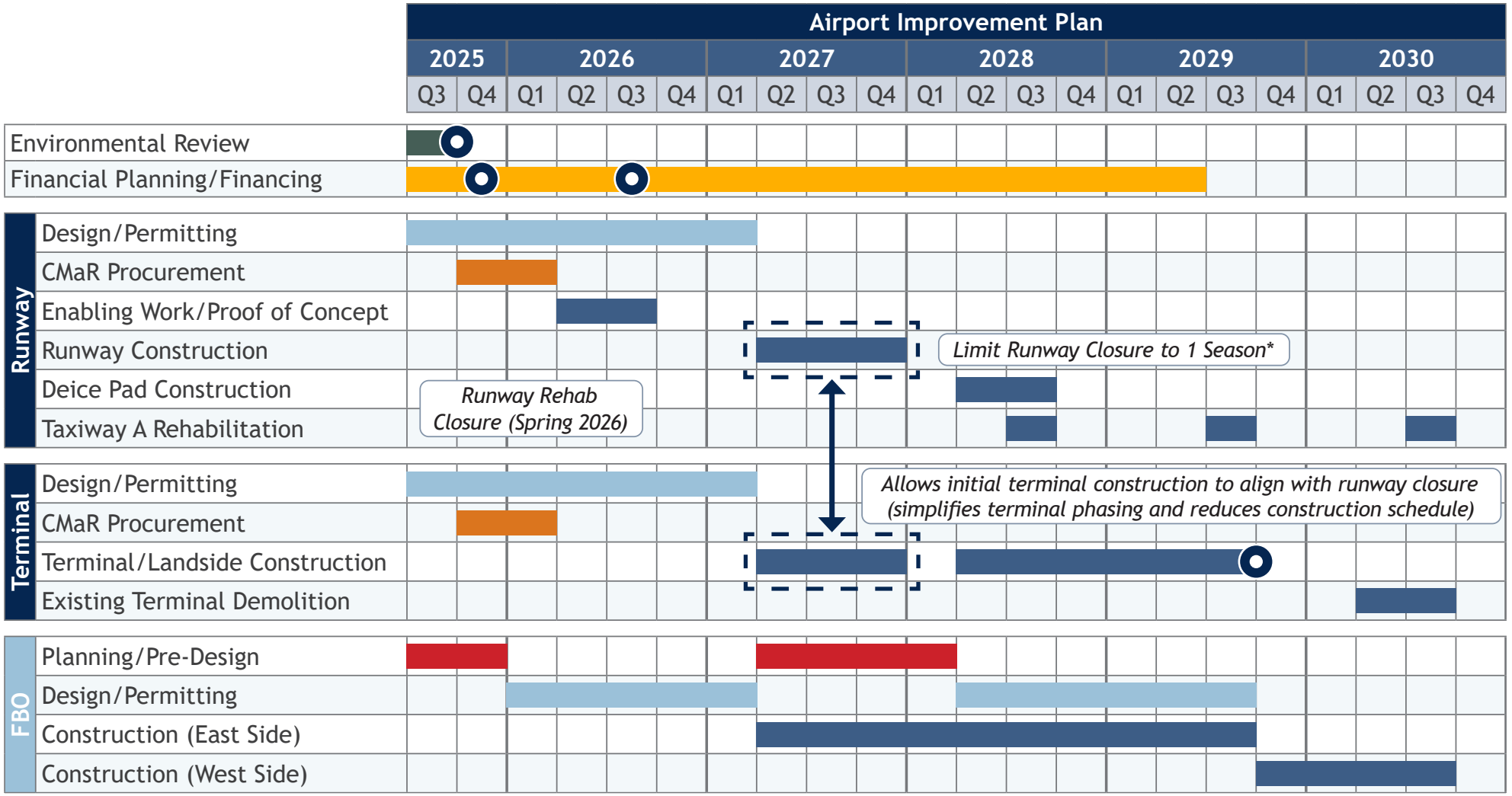
ASPEN/PITKIN COUNTY AIRPORT

Programming, Concepts & Schematic Design | **Design Development** | **Construction Docs**

Kickoff	Basis	Concepts	Details	Final
• Establish project identity • Confirm design and engagement process	• Led by Common Ground Recs • Input on terminal mass/scale • Develop potential design options	• Input on concept design options • Confirm community priorities • Identify preferred mass/scale option	• Input on finishes, art, color palette • Confirm design preferences • Transition from community input to education (“pencils down”)	• Reflect Common Ground Recs • Reflect community values/priorities • Prepare for construction

How well does this reflect CGRs? | **This is how CGRs are being implemented**

Target Program Timeline



Limiting the runway closure to one season may require nighttime and weekend work which will need approval from Pitkin County Commissioners.

Common Ground Recommendations

What's Informing Airport Design

1. **Maximize the Safety of Our Airport**
2. **Maximize the Sustainability of Our New Airport**
3. **Seamless Ground Connectivity**
4. Improve Airline Service Reliability
5. Non-airline Reserved Parking (ramp space)
6. FBO Reflects Community Values
7. **Build New Terminal**
8. **Enhance the Traveler and Staff Experience**
9. **Open air Jet-ways**
10. **Provide and Design for 6 to 8 Gates with Comfortable Waiting Spaces**
11. **Flexible gates**
12. Replace the current ADGIII Airport Layout Plan with an improved ADGIII Airport Layout Plan that accommodates aircraft that meet community goals
13. Shift the runway 80' to the West (amended from: Leave the runway where it is)
14. **Construction Phasing**

ASPEN/PITKIN COUNTY AIRPORT

2025 | 2026 | 2027

CONCEPTS + PROGRAMMING	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	CONSTRUCTION DOCUMENTATION
16 weeks	16 weeks	16 weeks	20 weeks
DEFINE NEEDS + RELATIONSHIPS OF BUILDINGS AND SITE	ESTABLISH LOOK AND FEEL + TEST FIT BUILDING SYSTEMS	COORDINATE SYSTEMS + PROGRAMMATIC ELEMENTS	DOCUMENT ALL BUILDING + SITE ELEMENTS FOR CONSTRUCTION

Sep 30
Task Force
Kick-Off

Oct 28
Concepts
Task Force

Dec 2
Refinement
Task Force

SEP | OCT | NOV | DEC

CONCEPTS + PROGRAMMING PHASE DESIGN DEVELOPMENT

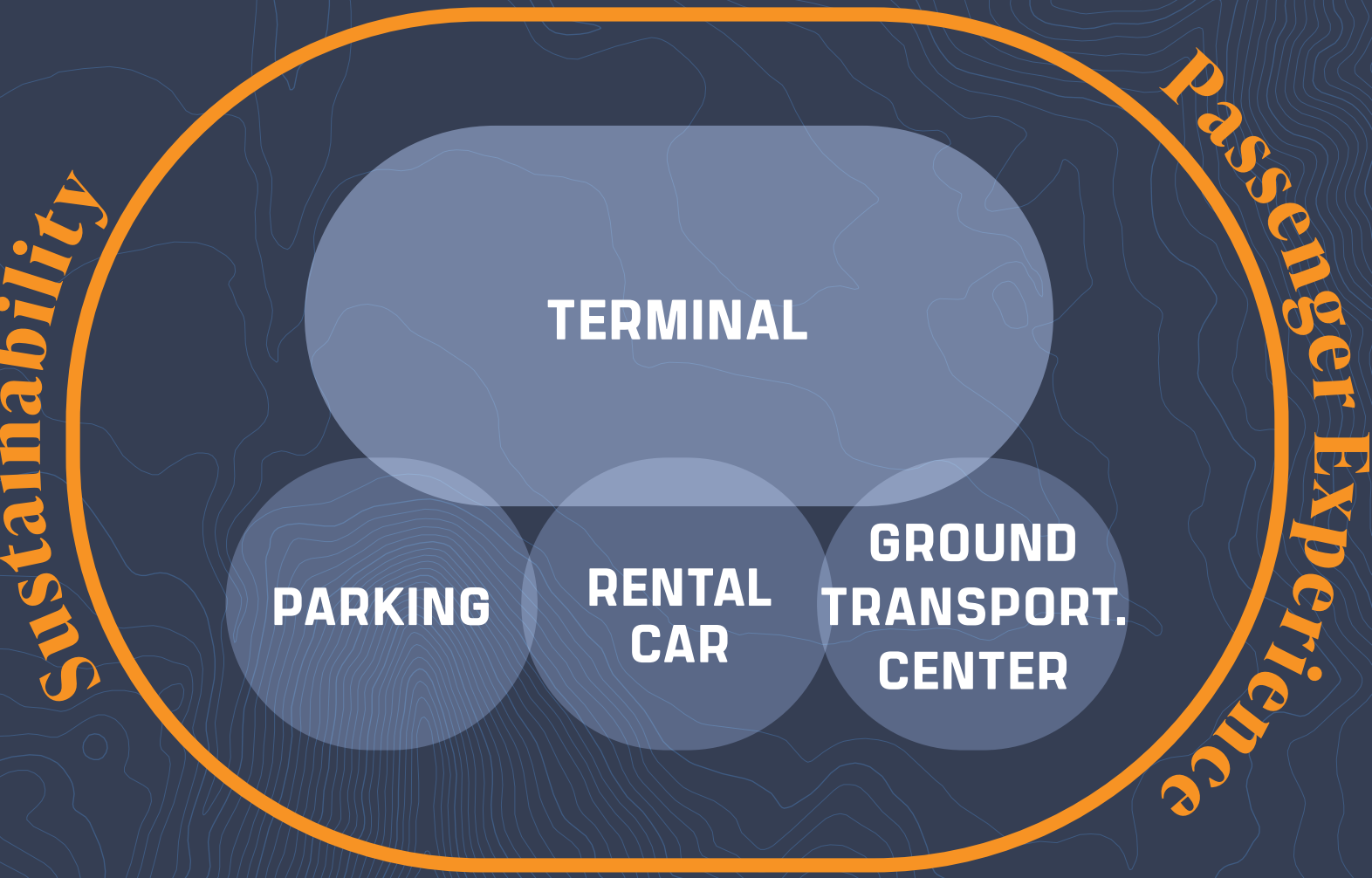
Oct 15
Public
Kick-Off

Oct 30
Concepts
Public

Dec 4
Refinement
Public

ASPEN/PITKIN COUNTY AIRPORT

Project Components



Passenger & Staff Aspirations

ASPEN/PITKIN COUNTY AIRPORT

Quiet

Discrete But Powerful

Celebrate High Alpine Nature

A Reflection of Roaring Fork Valley History and Culture

Fresh Air

How can the Pitkin County experience be unlike any other airport?

Local Amenities

Surprising!

Thermal Delight

Sustainably Innovative

Awe Inspiring Views

Operational Aspirations

ASPEN/PITKIN COUNTY AIRPORT

Apron Drainage

Ground Crew Safety

Lighting

How can this project contribute to the safety on the ground?

Snowfall at Terminal Entry

Jet Bridges

Snow Storage

ASPEN/PITKIN COUNTY AIRPORT

Bicycles/We-Cycle Stations

Ride Booking Vehicles

Rental Cars

Personal Cars

EVTOL

What variety of transport modes should be planned for?

Gondola

Airport Specific Circulators

RFTA

Light Rail

ASPEN/PITKIN COUNTY AIRPORT

Plan for Future Unknown Modes of Transportation

Bicycles for Employees

Public Transit Is A Priority For The Community

Stay Informed With Studies Underway

How do we make transportation convenient and welcoming?

Thermal Comfort

Not a Park & Ride

Happy Staff Happy Passengers

Adequate Space to Feel Comfortable

Flexibility is Important

Sustainability Aspirations

ASPEN/PITKIN COUNTY AIRPORT

Highest Certification Level

Zero Carbon Emissions

Human Health, Comfort, Performance

Passive Solar Legacy

Public Awareness

What does the most sustainable airport mean to the community?

Water Conservation

Local Natural Materials

Material Reduction + Recycling

Ecological Restorative

Minimize Air, Noise, Light Pollution

Better Transit

Net Zero Energy

ASPEN/PITKIN COUNTY AIRPORT

Safety in the Air and on the Ground

Adaptable, Flexible, Future-Proof

Environmental Responsibility

Community – Reflect Local Culture & Values

Economic Vitality

Warm and Welcoming

Design Excellence

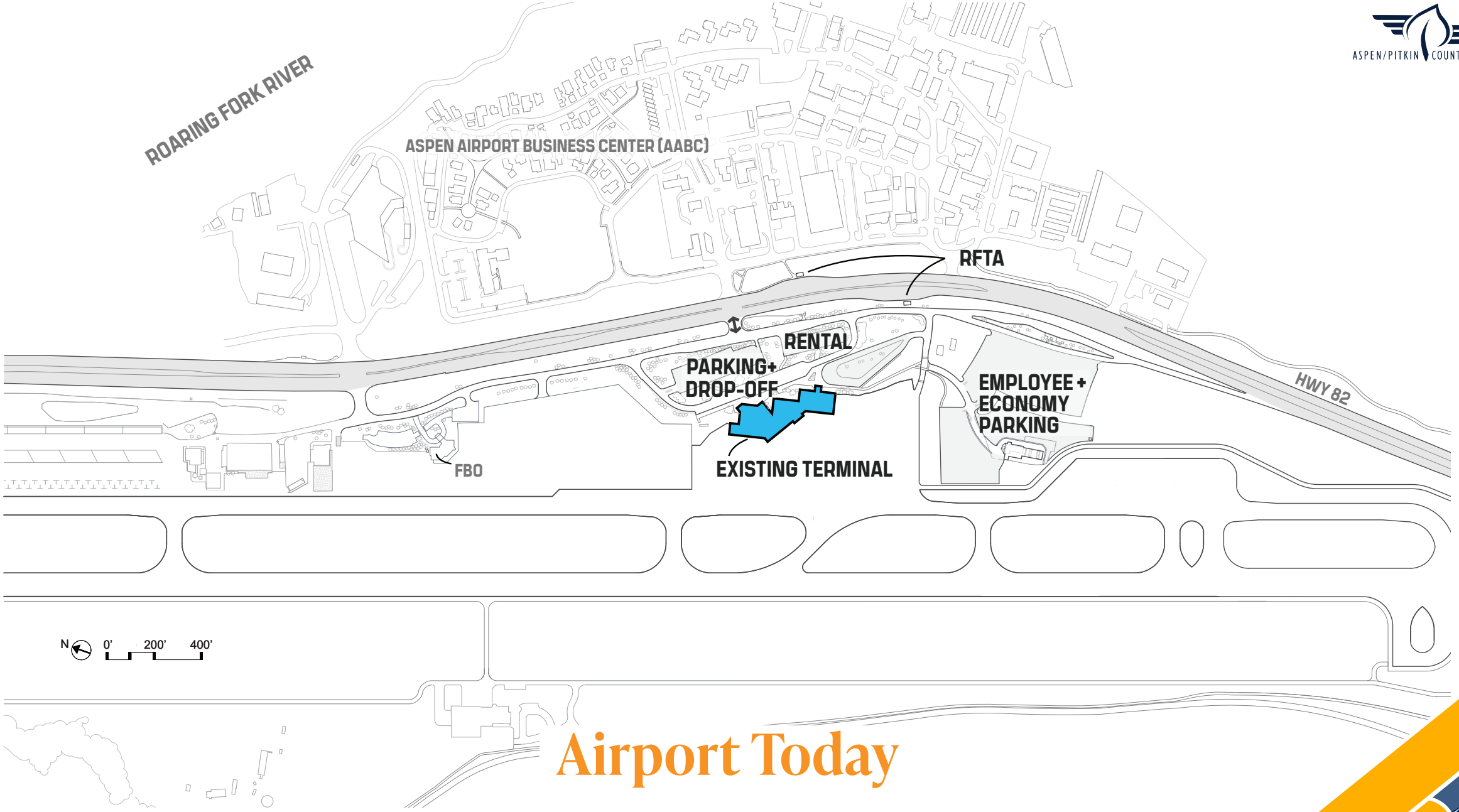
Efficiency – An Airport That Works Well

Preserve High Quality of Life

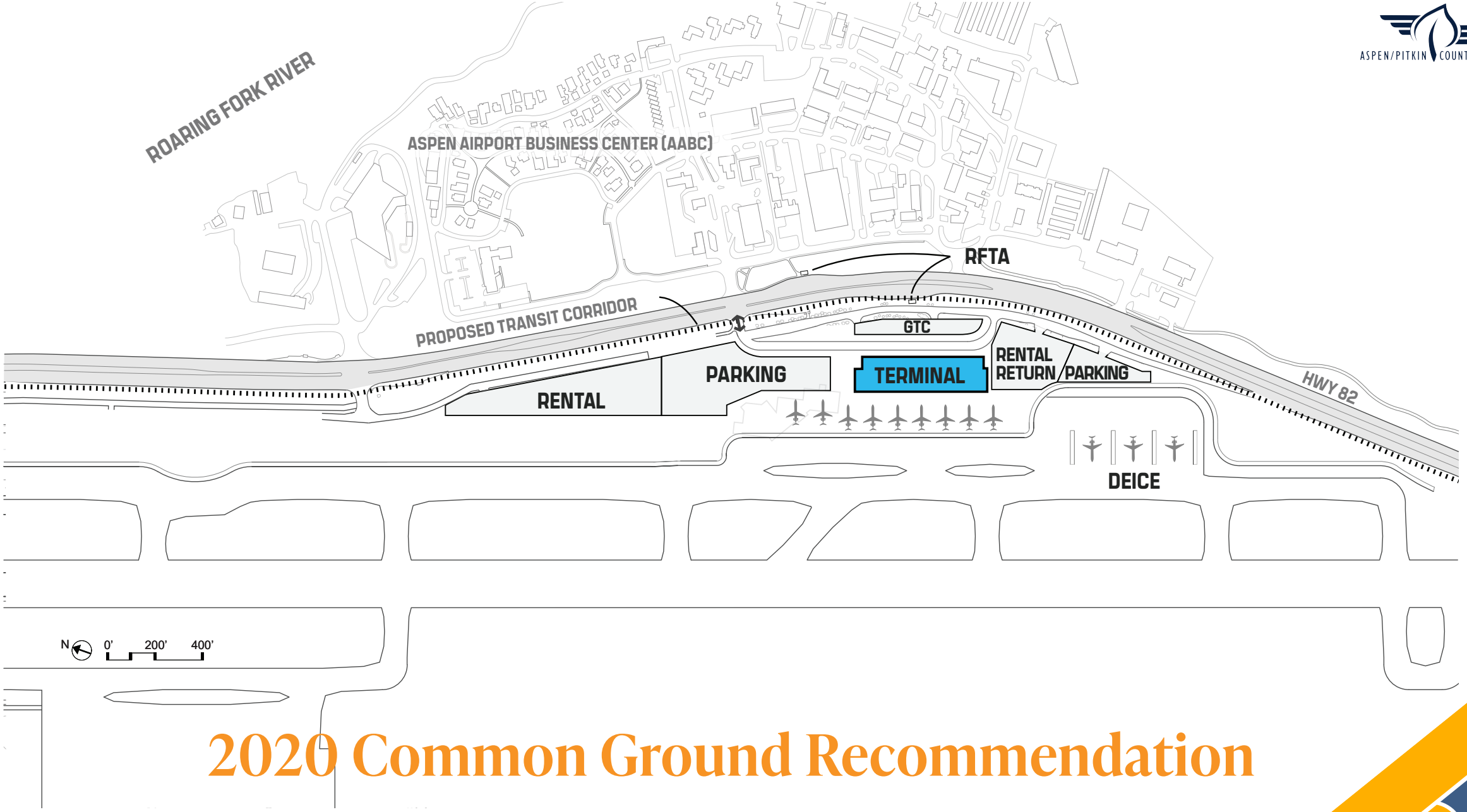
Convenient & Easy Ground Transportation

ASE Vision and Values

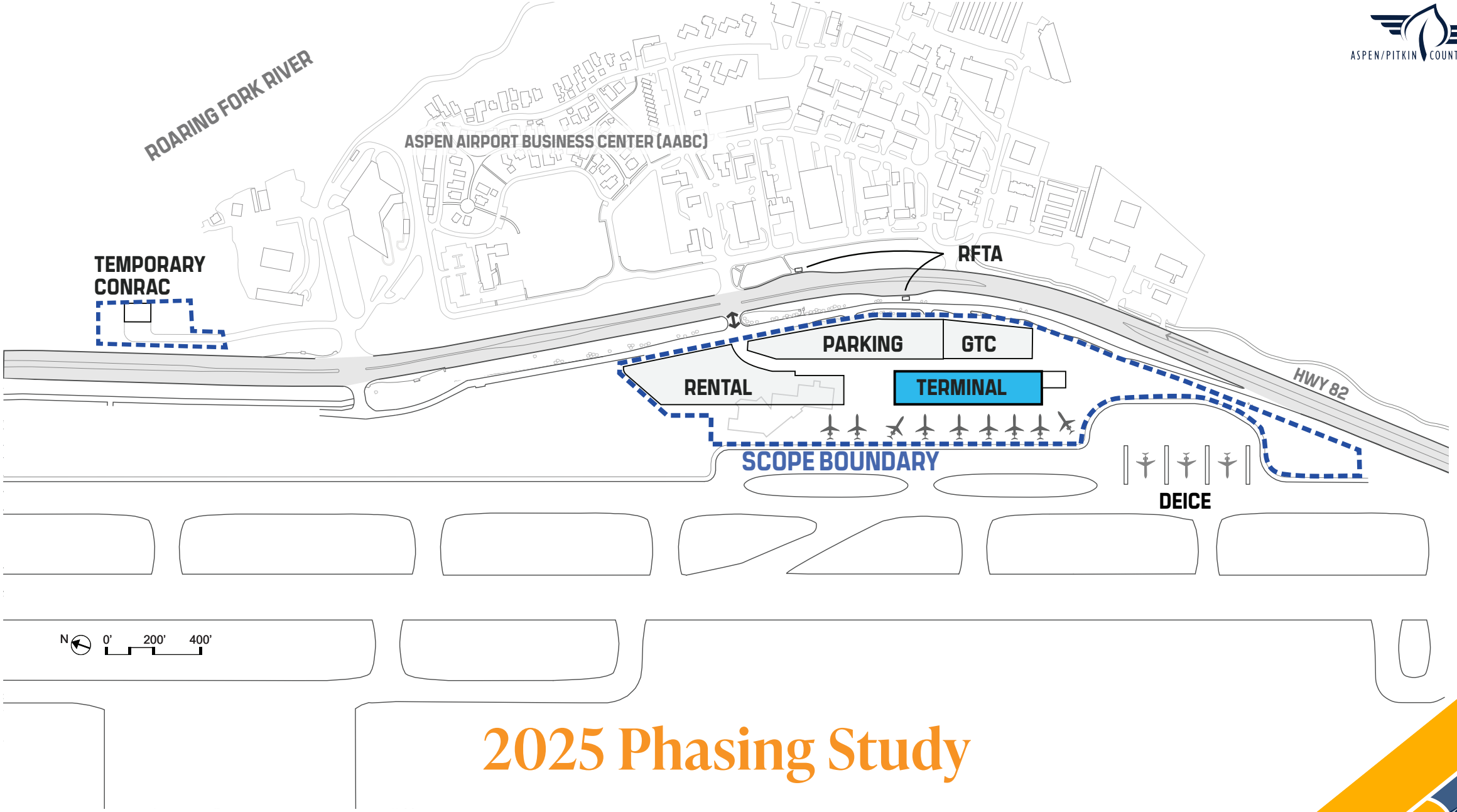
ASPEN/PITKIN COUNTY AIRPORT



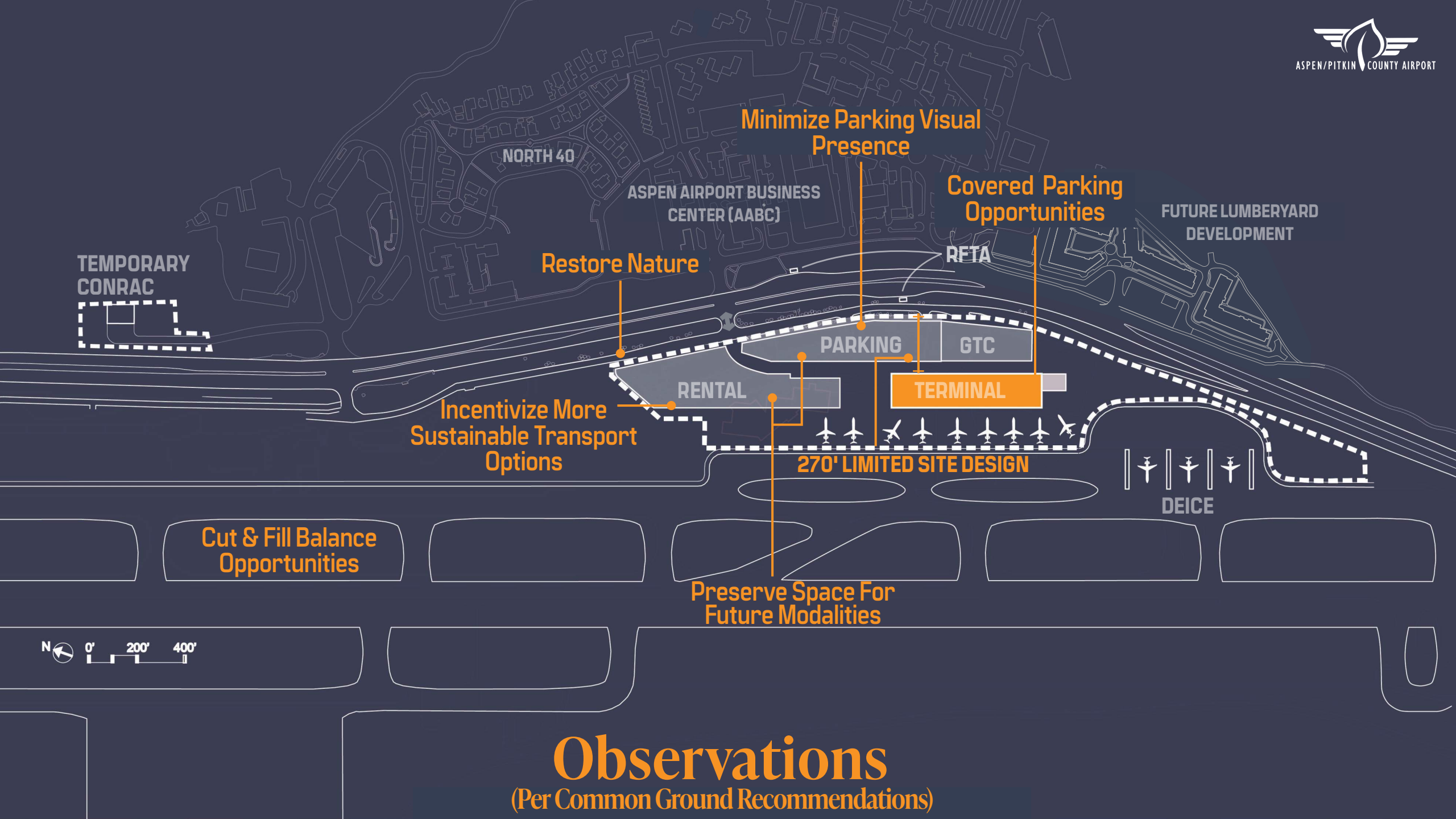
Airport Today



2020 Common Ground Recommendation



2025 Phasing Study



Observations

(Per Common Ground Recommendations)

1. **Optimize** traffic movement throughout airport

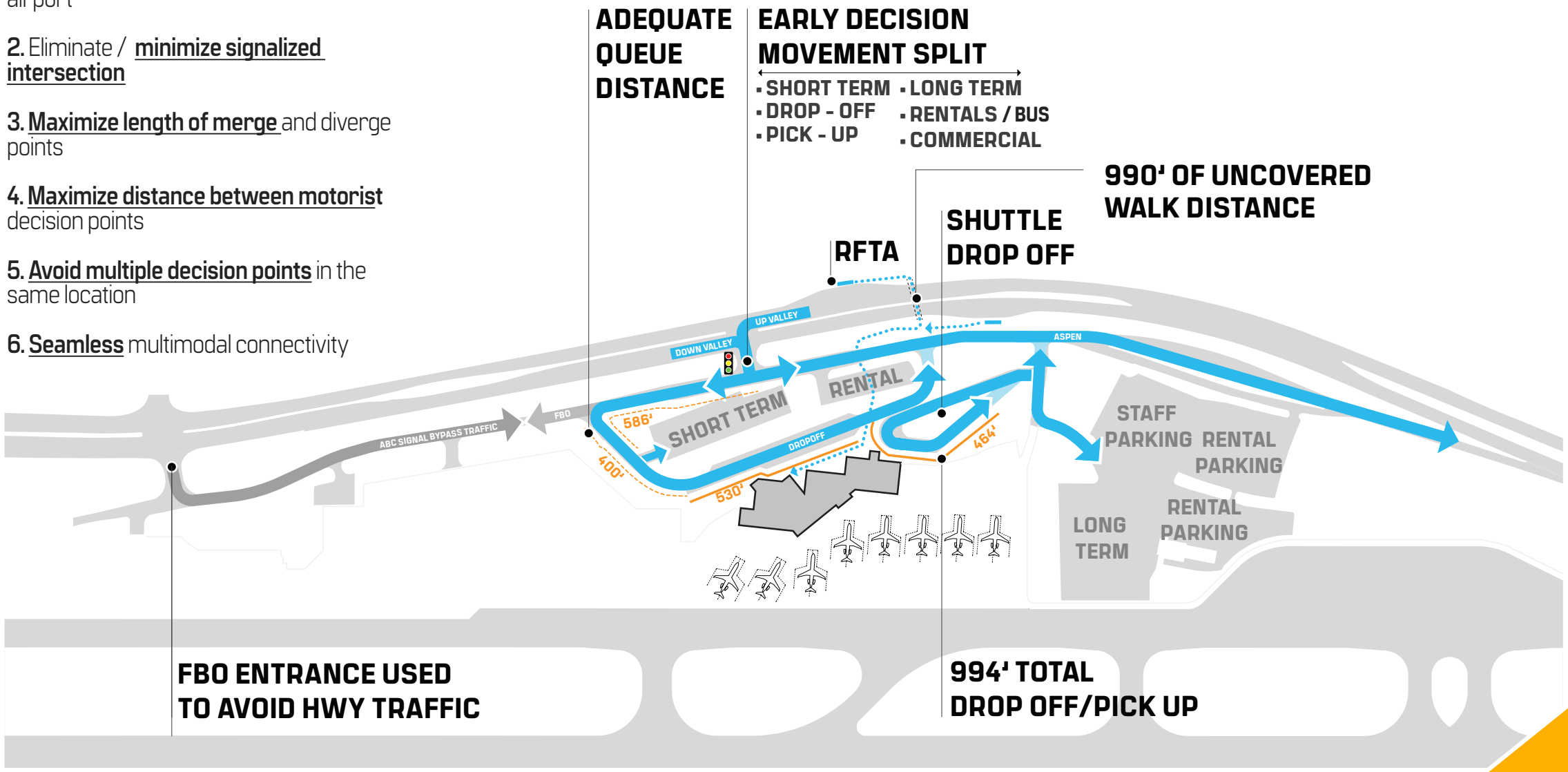
2. Eliminate / **minimize signalized intersection**

3. **Maximize length of merge** and diverge points

4. **Maximize distance between motorist** decision points

5. **Avoid multiple decision points** in the same location

6. **Seamless** multimodal connectivity



SITE FLOW | 1 : 120

1" = 120'
0 200' 400'

1. **Optimize** traffic movement throughout airport

2. Eliminate / **minimize signalized intersection**

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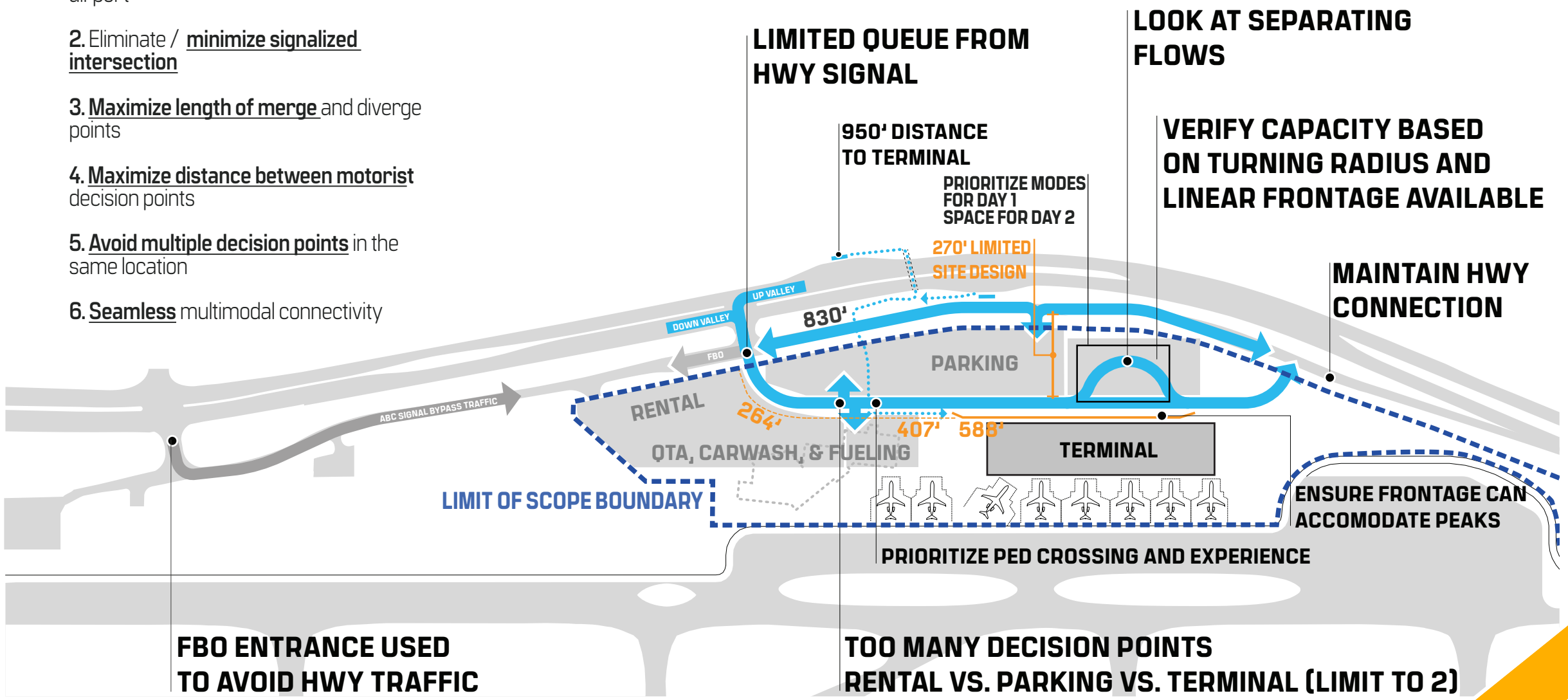


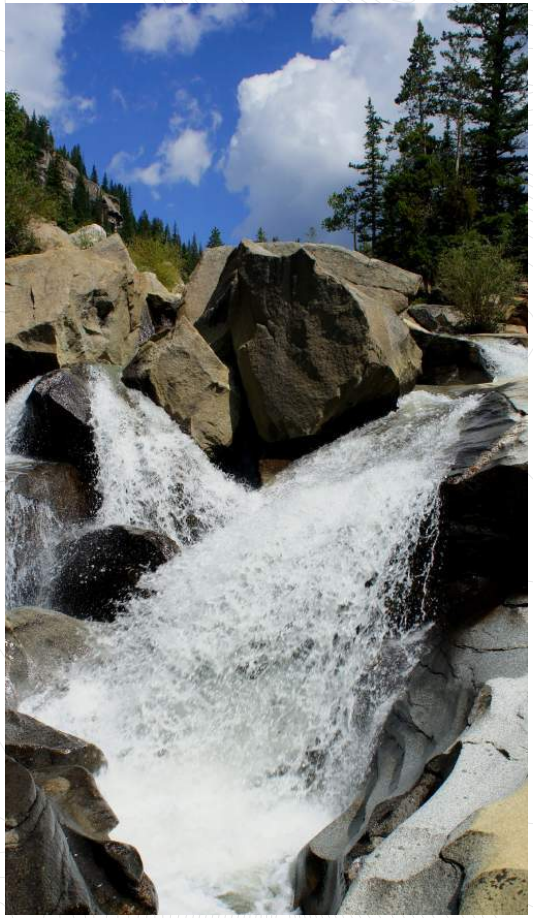
FLOW OBSERVATIONS | 1:120

1" = 120'
0 200' 400'

ASPEN/PITKIN COUNTY AIRPORT

The Roaring Fork Valley Community

Who Is It For

ENGAGE WITH NATURE

"I go to nature to be soothed and healed, and to have my senses put in order".

- John Burroughs

EMPHASIZE VIEWS

ASPEN/PITKIN COUNTY AIRPORT

FRAMEWORK

ENERGY/CARBON
embodied
operational

ECOLOGY
irrigation
stormwater
ecology
vegetation

PEOPLE
biophilia
lighting
IAQ

WATER
indoor
reuse
outdoor

MATERIALS
local
healthy
circular
responsible

OPERATIONS
flight ops
transit
resilience
maint.
lifespan

TBD
WHERE WILL ASE LAND?

GOOD
BETTER
BEST

6 CATEGORIES
19 SUB CATEGORIES

Airport Updates Landing In Your Inbox!

ASPEN/PITKIN COUNTY AIRPORT

Subscribe To Receive News And Information From The Aspen/Pitkin County Airport.

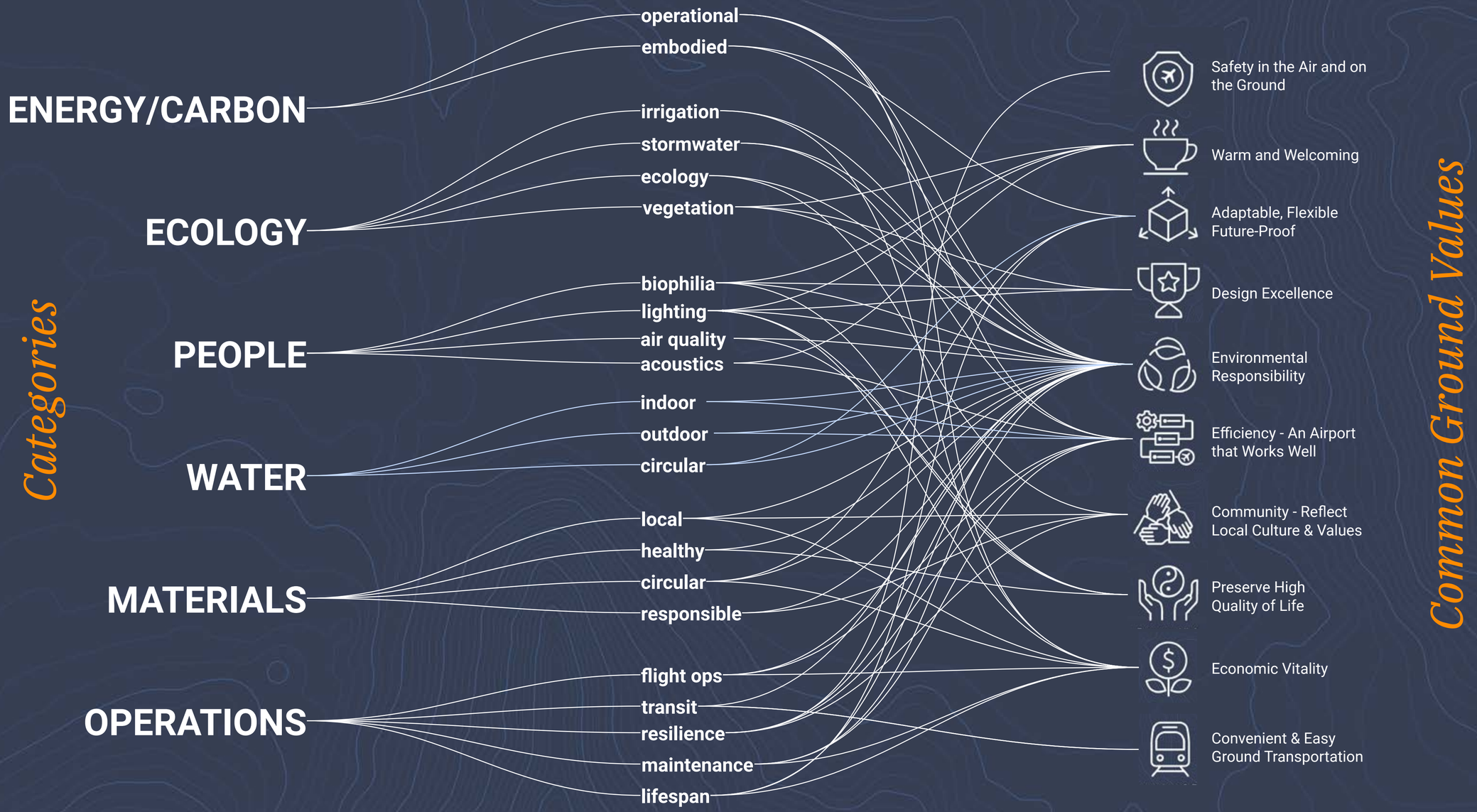
Flight Deck Feedback

Navigate The Future With Your Input

Spectrum Approach:

What does it take to be the Most Sustainable Airport?

Most Sustainable Airport (MSA) Framework



MSA Spectrum Framework

1.

Categories

- Category A
- Category B
- Category C
- Category D
- Category E
- Category F

2.

Category B Spectrums

Sub Cat. A	Good	Better	Best
Sub Cat. B	Good	Better	Best
Sub Cat. B	Good	Better	Best

3.

Sub Category A

Sub Cat. A

JAC		BZN
Good	Better	Best
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4.

"Best" Strategy Roadmap

Coming Soon through SD/DD!

5.

Design Integration + Cost Narratives

- **Strategy A** — Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor i
- **Strategy B** — Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor i
- **Strategy C** — Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor i

SPECTRUM OVERVIEW

BETTER → BEST

ENERGY/CARBON

EMBODIED	Prescriptive Targets by Material	10% - 20% WBLCA Reduction	30% Red. + Expand Scope (MEP, interiors site)	One-Time Offset
OPERATIONAL	100% Electrification	Carbon Reduction	Net Zero Carbon - Scopes 1/2	Net Positive Carbon Scopes 1/2	24/7 Zero Carbon

ECOLOGY

IRRIGATION	50% Use Reduction	Non-Potable Sources	Xeriscape (no irrigation)
STORMWATER	Clean and Release - gray infrastructure	Clean and Release - green infrastructure	Retain and Reuse for Non-Potable Uses	Retain and Reuse for Potable Uses
ECOSYSTEM	Light Pollution	mitigate heat island effect	Restoration Approach (Owl creek, ecosystem diversity, soil communities, habitat connectivity)
VEGETATION	Historical (Ranching & Production)	Adaptive and Contextual	100% Native

PEOPLE

AIR QUALITY	Mechanical Filtration	Additional Ventilation Beyond Code	Continuous Monitoring & Reactive Systems (pandemic mode, wilfire smoke, etc.)
LIGHTING	Electric Lighting Quality	Natural Light Integration	Circadian Lighting
BIOPHILIA	Indirect Representation of Nature	Natural Elements (materials, views, daylight)	Spatial Patterns of Nature	Direct Connections with Nature

BETTER → BEST

WATER

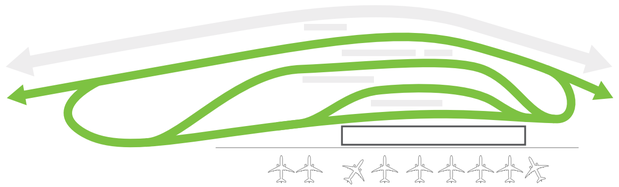
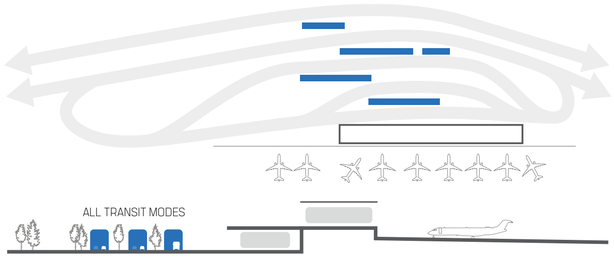
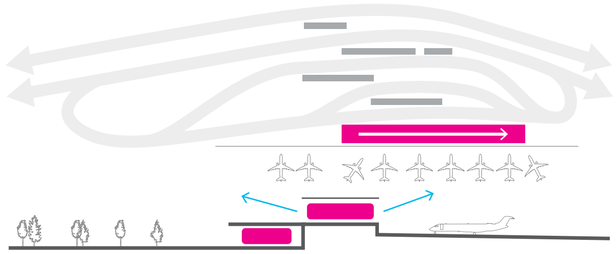
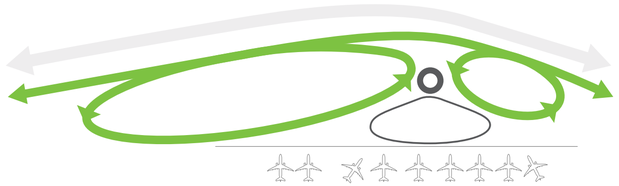
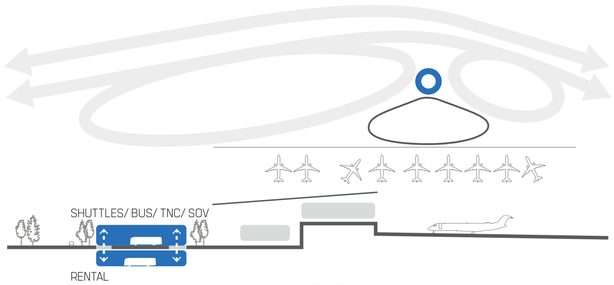
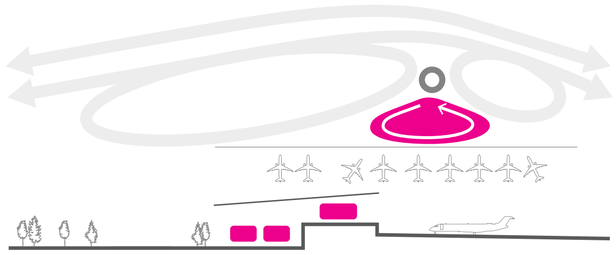
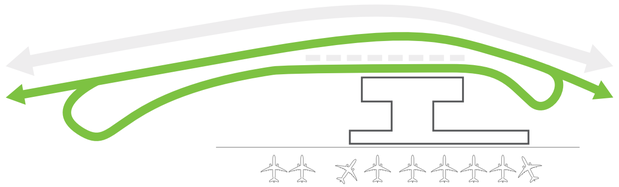
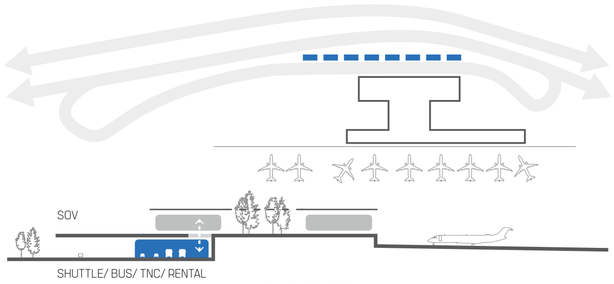
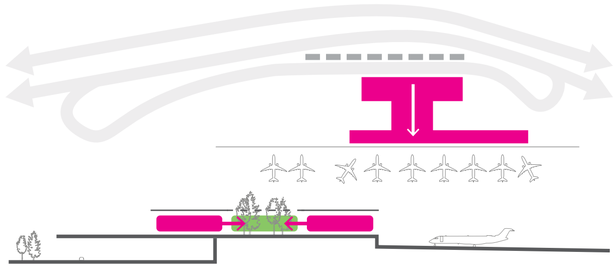
INDOOR WATER USE	**25% Reduction** Low flow fixtures	**50% Reduction** Innovative fixtures + process water	**50% +** Circular solutions
OUTDOOR WATER USE	**25% Reduction** irrigation types and controls	**50% reduction** adaptive/native planting integration	**50%+** Circular solutions
CIRCULARITY	**Graywater** For not potable uses (irrigation, toilet flushing, vehicle washing)	**Blackwater** For non potable uses (toilet flushing	**Rainwater Harvesting** for non-potable uses (requires leveraging water rights)	**Rainwater Harvesting** for potable uses, path to net zero water

MATERIALS

ENVIROMENTALLY RESPONSIBLE	Sourcing Transparency / Disclosure	Optimized Sourcing	Best-in-class or Multi-attribute
LOCAL	Manufactured in Colorado	Manufactured, Extracted, and Processed within Colorado	+ Sustainable and Innovative Materials
HEALTHY	Health Product Declarations (HPDs) + VOC limits	Minimize or Eliminate Problematic Chemicals (lvl 1)	Minimize or Eliminate Problematic Chemicals (lvl 2)	Red List Vetting w/ Exceptions	ILFI Red List Free
WASTE REDUCTION	Construction & Demolition Waste Capture	Operational Waste Reduction	Zero-Waste

OPERATIONS

FLIGHT OPS (Aviation Fuel)	Cultivate the Culture	Futureproof Infrastructure	Build the Supply Chain
LIFESPAN	Material Durability	Disaster Resilience	Flexible Spaces, Structure, and Technologies	Community Ownership- Beautiful, Beloved, and Valued
MAINTAINABILITY	Efficient typical systems	Passive Systems	Eliminated systems
TRANSIT	Convenient Transit Connections	Transit Emphasized/Celebrated in Design	Designed for Future Transit Technologies
RESILIENCE	Minimize Climate Impacts	Passive Survivability	Grid Independance

	SITE	GTC	TERMINAL
PAVILION	 FLOW: BRAIDED - COMBINED PARKING: FLAT RATIO: 29% /71%	 DISPERSED	 NORTH / SOUTH 360 VIEWS
CANOPY	 FLOW: 2 LOOPS - SEPARATED PARKING: MIXED RATIO: 78% /22%	 NODE	 LOOP GALLERY FURNITURE
COURTYARD	 FLOW: 1 LOOP - SEPARATED PARKING: STACKED RATIO: 88% / 12%	 SPINE	 EAST / WEST FLEX GARDEN