



Fairbanks International Airport

# **EASTSIDE**

## **MASTER PLAN**

**PUBLIC OPEN HOUSE**

October 16, 2018

5:30 – 8:00 PM

# Meeting Agenda

**Open House: 5:30 pm**

**Master Plan Presentation: 6:00 pm**

- What is a Master Plan?
- Master Plan Schedule
- User Survey Recap
- Master Plan Draft Alternatives
- Next Steps

**Questions and Comments: 6:45 pm**

**Open House and Project Evaluation:  
7:15 pm**



# Introductions

## DOWL Key Team Members/Roles

- Tom Middendorf - Project Manager
- Alexa Greene - Public Involvement/Planner
- Beth Madison - Engineer

## Fairbanks International Airport

- RJ Stumpf, P.E. – Project Manager
- Melissa Osborn - Airport Operations Superintendent



# What is a Master Plan?

According to the Federal Aviation Administration (FAA), an airport master plan is...

*A comprehensive study of an airport that usually describes the short-, medium-, and long-term development plans to meet future aviation demand.*

## Products of a Master Plan

- 20-Year Phased Capital Improvement Program
- Airport Layout Plan
- Airport Master Plan Report



# Why do a Master Plan?

- Sets development priorities/schedules
- Develops safe facilities according to FAA design standards
- Required for FAA funding
- Guides airport and tenant development
- Prevents later facility relocation
- **Eastside Ramp Redevelopment scheduled for 2020**

# Master Plan Process, Schedule, PI

FAI Eastside Master Plan Schedule															
TASKS AND SUBTASKS	2018												2019		
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
<b>Notice To Proceed</b>	NTP														
<b>Task 1 - Public Involvement</b>															
Kickoff Meeting		K													
Public Involvement Plan, Email List, Website		D													
Web Survey		D		F											
Advisory Committee			AC												
Public Open House								AC POH					AC POH		
Milestone Meetings with FIA								MM	✓			MM	✓		
<b>Task 2 - Inventory</b>															
Office Inventory		D													
Field Inspection and Interviews			D												
<b>Task 3 - Forecasts</b>															
Data collection		D													
Forecast					D	F									
<b>Task 4 - Requirements/Concepts</b>															
Requirements					D										
Preliminary Alternatives					D										
Revised Alternatives						D									
<b>Task 5 - Alternatives Analysis</b>															
<b>Task 6 - Recommendations and Implementation Plan</b>															
Recommended Alternative										D					
Implementation Plan										D					
<b>Task 7 - ALP</b>														D	F
<b>Task 8 - Airport Master Plan</b>														D	F

K = Kickoff Meeting; D=Draft; F = Final; MM = Milestone Meeting; NTP = Notice-to-Proceed; POH = Public Open House

# Pilot Survey

- 81 responses, 84% FAI users, 50% have slips
- Mix of business and non-business users
- Very few users want tail-in tie downs
- Most interest in t-hangars, pull through tie downs and slips with electricity, conventional hangars
- Detailed results on website



# Pilot Survey Issues/Needs

Top Rated Issue/Need	Consistent with Advisory Committee?
More t-hangars	
Aircraft wash facility	X
More pull through tie downs	X
More tie down and slip electric service	X
Reduce incursions	X
More conventional hangars	
More slips	X
Snow storage	X
GA facility	X
Lower Rated Issue/Need	
Aircraft deicing area	X
University Drive improvements	
Helicopter parking area	X
Better transient parking	

# East Ramp Questionnaire

Returned Surveys	80
Un-returned Surveys	92

Ski Equipped and Wheeled	Wheeled only	Seasonally transfer	Did not complete	Average Wing Span
22	38	11	16	37 feet

# Eastside Changes Already Committed to, Planned or Under Consideration

## Planned:

- Resurfacing 2R-20L and Ski Strip and taxiways
- Dredge shallow areas of float pond extension
- Remove firing range and fire training area
- Fill wildlife attraction ponds and remove trees
- Lease lots in Blocks 104 and 108

## Under Consideration:

- Limited air carrier use of RW 2R-20L
- Possible gate or other changes to TW B



# Master Plan Alternatives

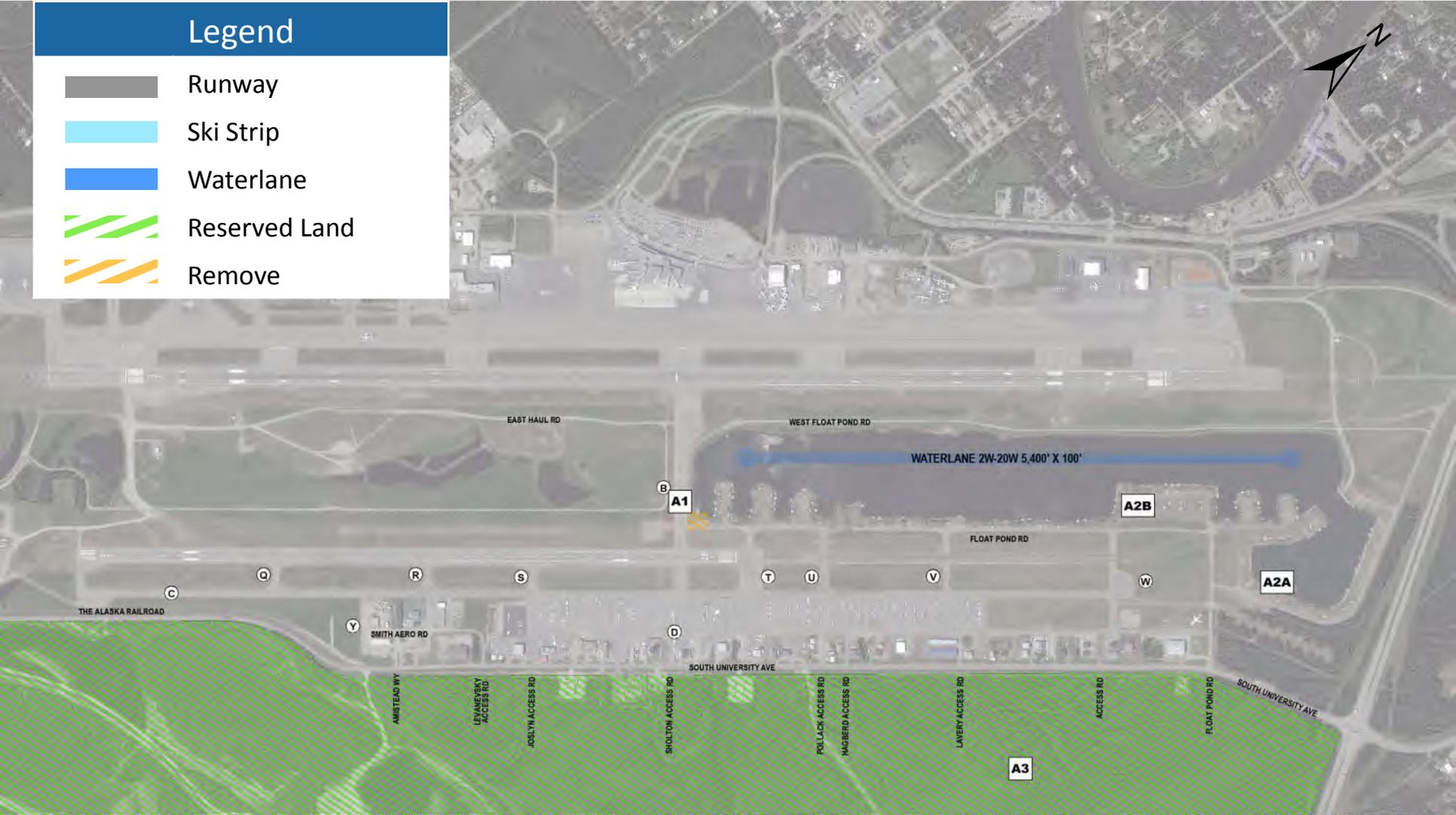
- Reminders:
  - 20 – 30 year plan
  - Wants/needs will exceed likely funding
  - The best ideas from alternatives to be used for **Recommended Plan**
- A. Runways and Waterlane Alternatives
- B. Taxiways and Incursions Alternatives
- C. Tie Down Apron and Slip Alternatives
- D. Lease Lots, Roads, and Parking Alternatives



# Alternative A: Runways & Waterlanes

## Legend

- Runway
- Ski Strip
- Waterlane
- Reserved Land
- Remove



# Alternative A: Runways & Waterlanes

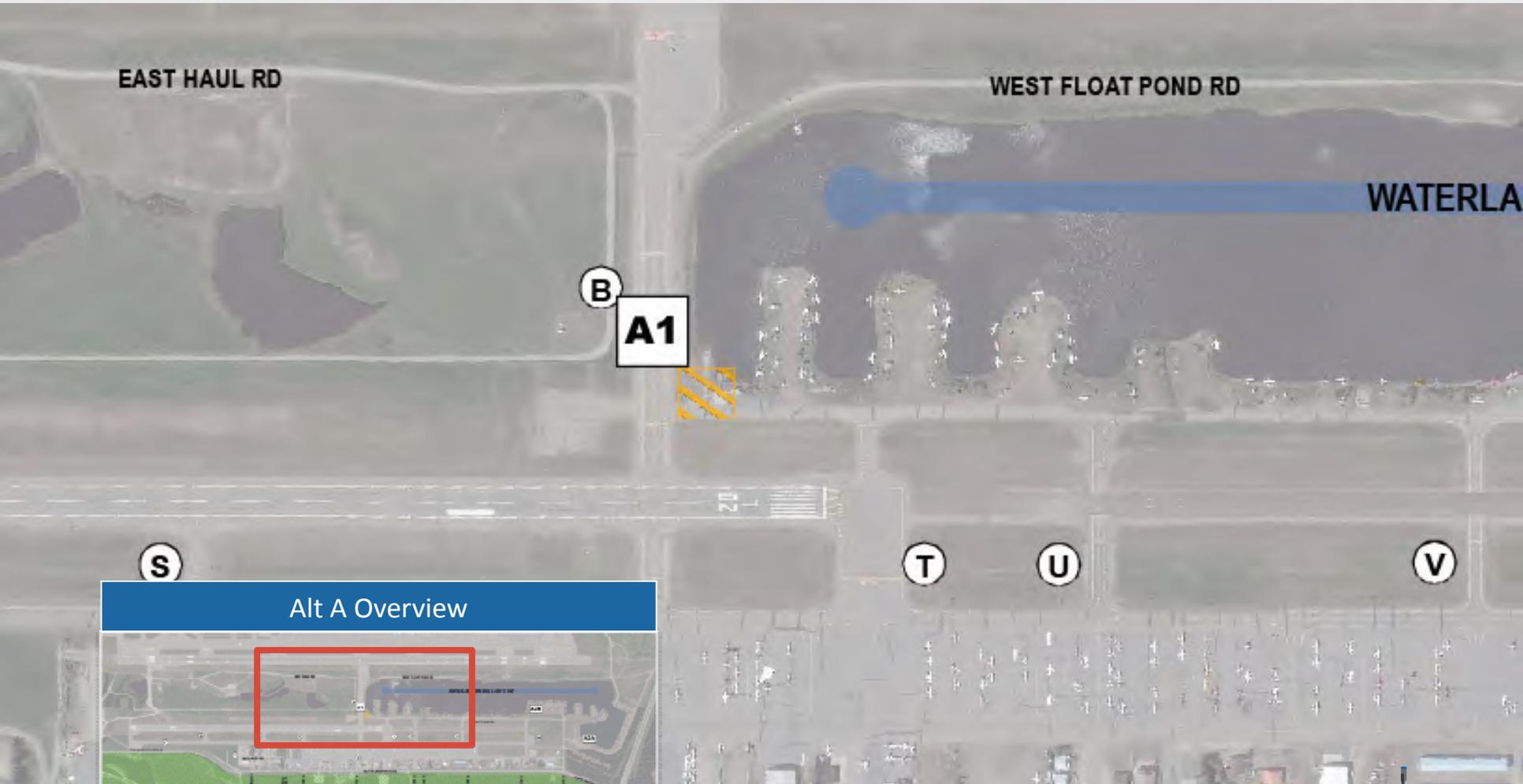
	Project	CIP Cost
<b>A1</b>	Close South Floatplane Ramp to Eliminate Waterlane Conflicts	<b>N/A, M&amp;O Cost</b>
<b>A2</b>	Relocate Floatplane Fueling	
<b>A2A</b>	Relocate Floatplane Fueling (for Ski and Floatplane Aircraft) to Floatpond Extension	<b>N/A, Tenant Cost</b>
<b>A2B</b>	Relocate Floatplane Fueling (for Ski and Floatplane Aircraft) to Gravel Tie Down	<b>N/A, Tenant Cost</b>
<b>A3</b>	Reserve Land for Future GA Facilities and Add Selective Fencing	<b>\$</b>

## CIP Cost for Preliminary Alternatives

\$	<\$500K
\$\$	<\$500K - \$1M
\$\$\$	<\$1M - \$3M
\$\$\$\$	<\$3M - \$5M
\$\$\$\$\$	<\$5M - \$10M
\$\$\$\$\$\$	>\$10M
N/A	Not an FAI CIP Cost

# Alternative A: Runways & Waterlanes

	Project	CIP Cost
A1	Close South Floatplane Ramp to Eliminate Waterlane Conflicts	N/A, M&O Cost



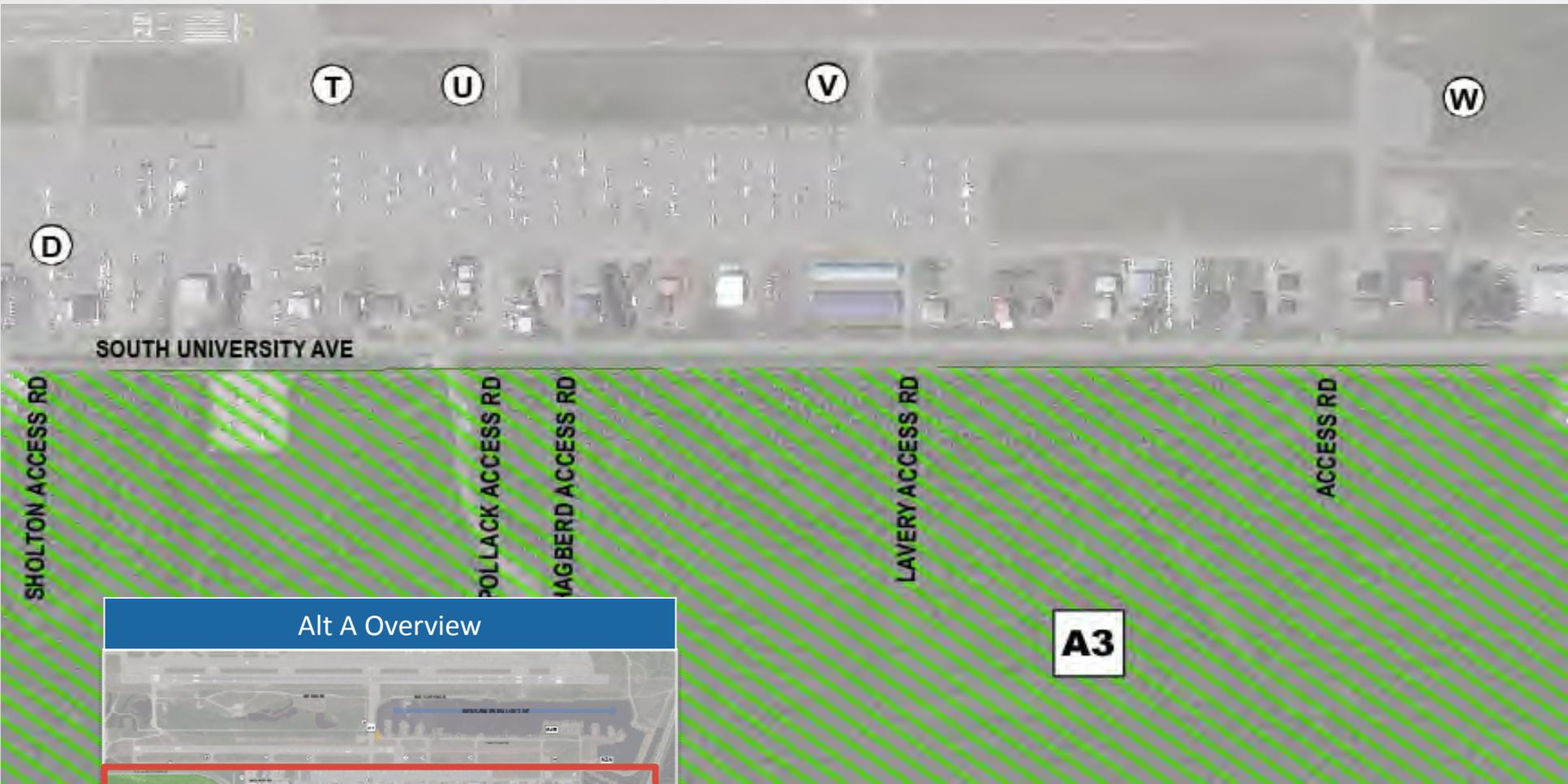
# Alternative A: Runways & Waterlanes

	Project	CIP Cost
<b>A2</b>	Relocate Floatplane Fueling	
<b>A2A</b>	Relocate Floatplane Fueling (for Ski and Floatplane Aircraft) to Floatpond Extension	<b>N/A, Tenant Cost</b>
<b>A2B</b>	Relocate Floatplane Fueling (for Ski and Floatplane Aircraft) to Gravel Tie Down	<b>N/A, Tenant Cost</b>



# Alternative A: Runways & Waterlanes

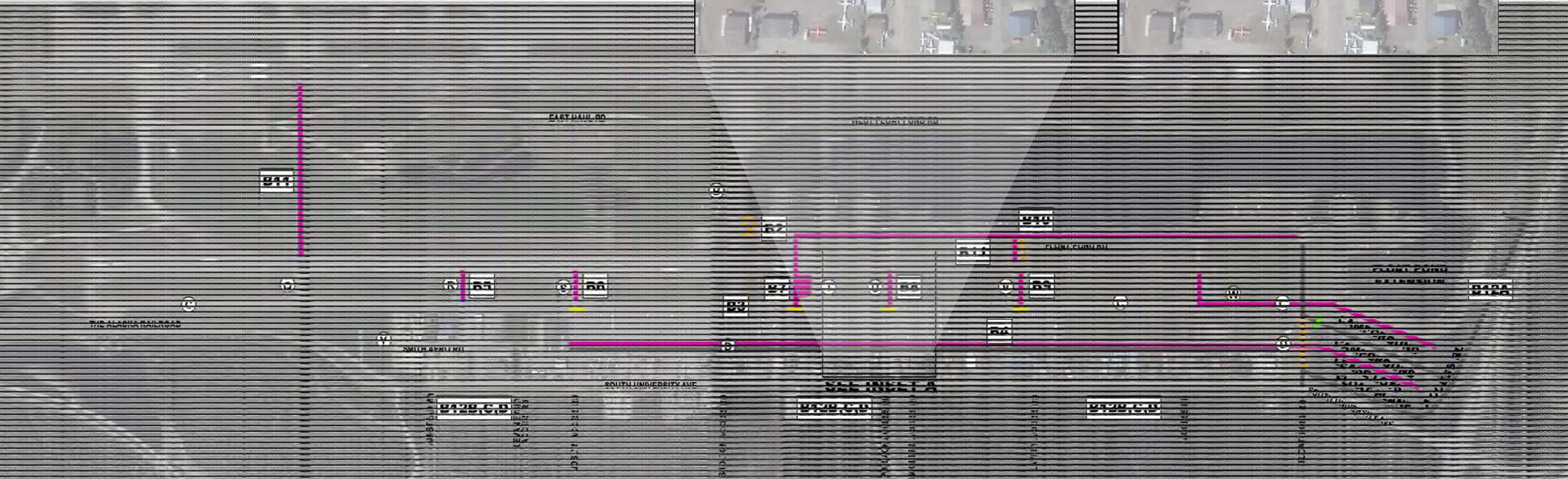
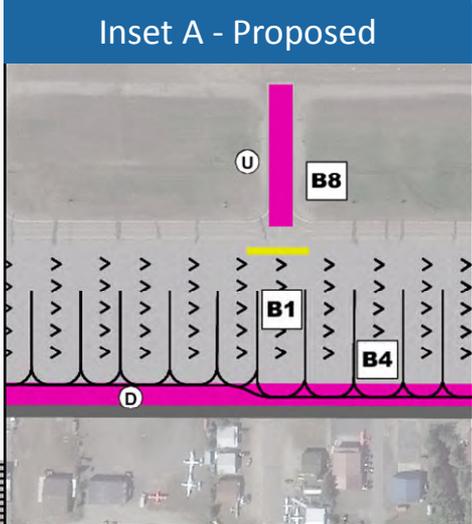
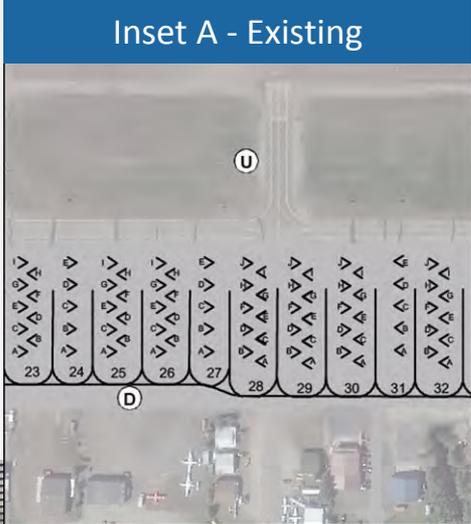
	Project	CIP Cost
A3	Reserve Land for Future GA Facilities and Add Selective Fencing	\$



# Alternative B: Taxiways and Incursions

**Legend**

-  Island
-  Gate
-  Road
-  Taxiway
-  Remove



# Alternative B: Taxiways and Incursions

	Project	CIP Cost
<b>B1</b>	Align Aircraft Parking to Block Direct Access from Roads/Apron to Runways (Inset A)	<b>Part of C1</b>
<b>B2</b>	TW B – Delete Access from Float Pond Road	\$
<b>B3</b>	TW C – Extend ATCT Controlled Surface to Full Length of TW C	<b>N/A, M&amp;O Cost</b>
<b>B4</b>	TW D – Straighten TW and Add Adjacent Apron Vehicle Lanes	<b>Part of C1</b>
<b>B5</b>	TW R – Exit Only, Shift or Delete TW	\$
<b>B6</b>	TW S – Exit Only, Remove Direct Access to Apron or Delete TW	\$
<b>B7</b>	TW T – Shift TW South and Narrow TW to Align with Threshold, Remove Direct Access to Apron, Adjacent Runup Area	\$
<b>B8</b>	TW U – Remove Direct Access to Apron	<b>Part of C1</b>
<b>B9</b>	TW V – Remove Direct Access to Apron, Exit Only, Shift Connector to Float Pond Road	\$
<b>B10</b>	Reconfigure Float Pond Road as a Taxilane	\$\$\$\$
<b>B11</b>	New South End Taxiway Connector at TW Q (Long Term)	\$\$\$\$\$
<b>B12</b>	Reduce Vehicle Incursions Alternatives	
<b>B12A</b>	Relocate Float Pond Access Road, Add Gate	\$\$\$
<b>B12B</b>	Repair Inoperable Road Gate Arms	\$
<b>B12C</b>	Reduce Number of Apron Access Roads on South University Ave	\$
<b>B12D</b>	Add Security Gates and Complete Fencing to All Lease Lots Along South University Ave	\$\$
<b>B13</b>	Delete Compass Rose (Not on Drawing)	<b>N/A, M&amp;O Cost</b>

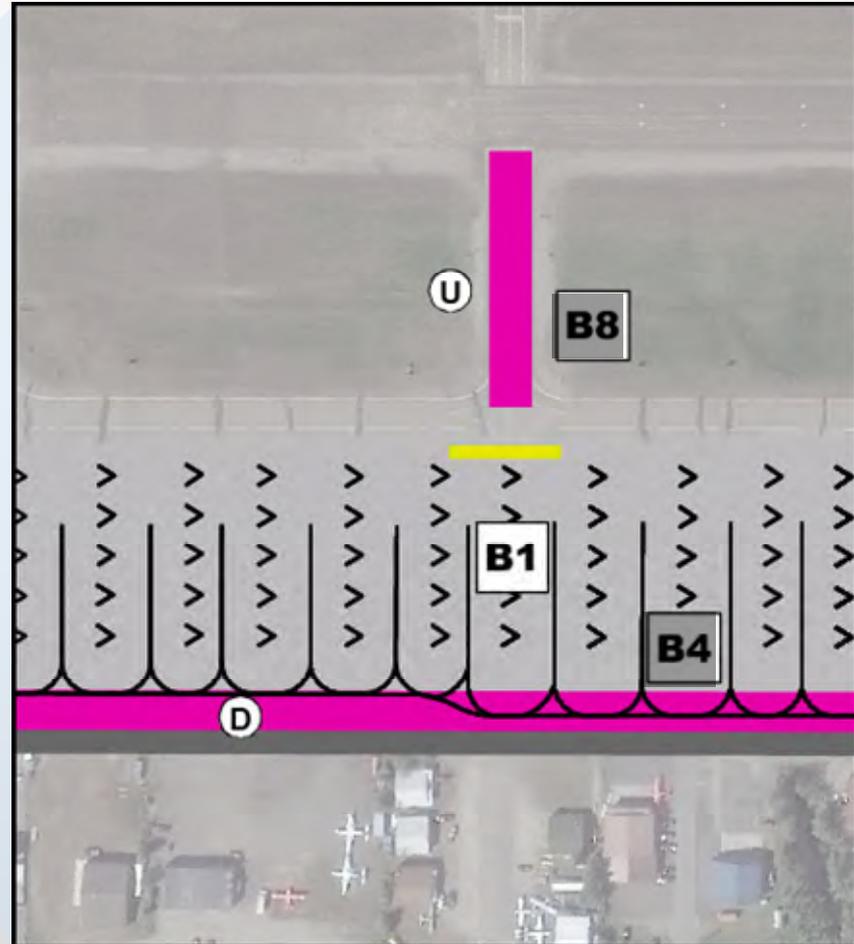
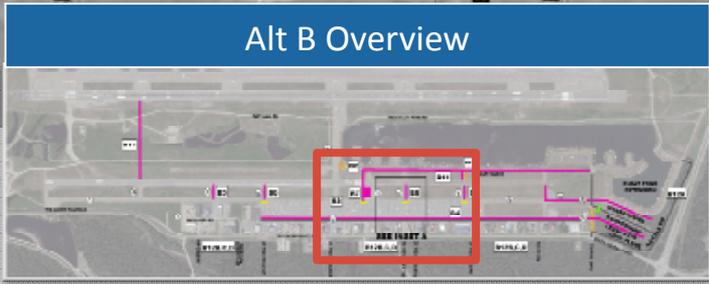
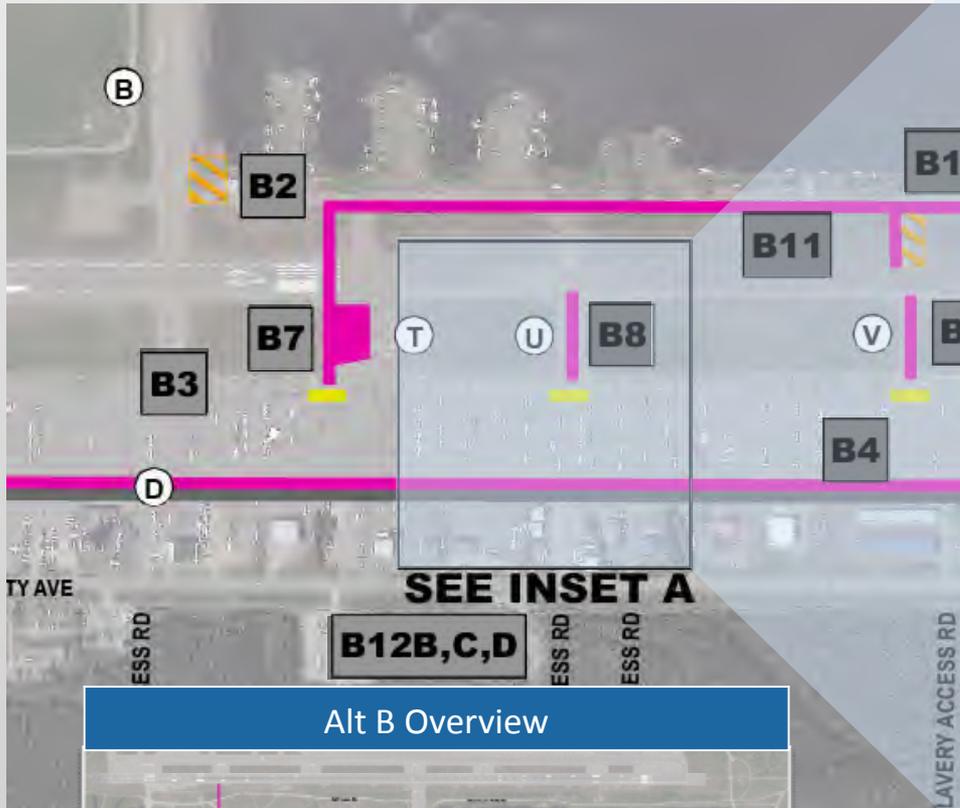
CIP Cost for Preliminary Alternatives

\$	<\$500K	\$\$\$\$\$	<\$5M - \$10M
\$\$	<\$500K - \$1M	\$\$\$\$\$\$	>\$10M
\$\$\$	<\$1M - \$3M	N/A	Not an FAI CIP Cost
\$\$\$\$	<\$3M - \$5M		



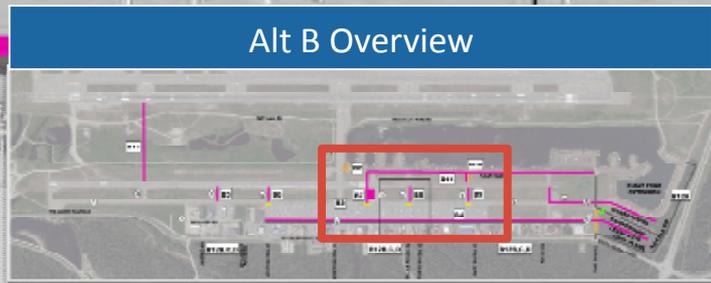
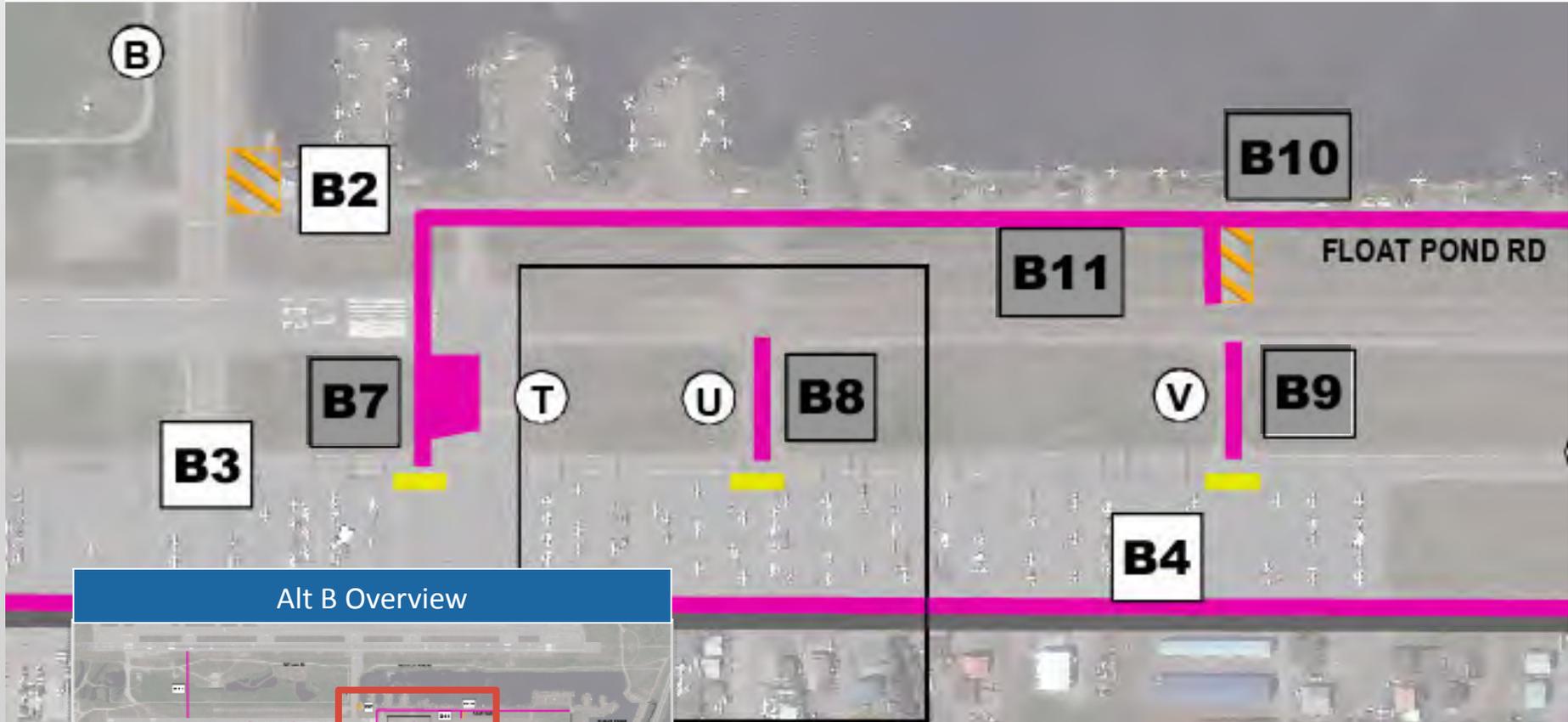
# Alternative B: Taxiways and Incursions

	Project	CIP Cost
B1	Align Aircraft Parking to Block Direct Access from Roads/Apron to Runways (Inset A)	Part of C1



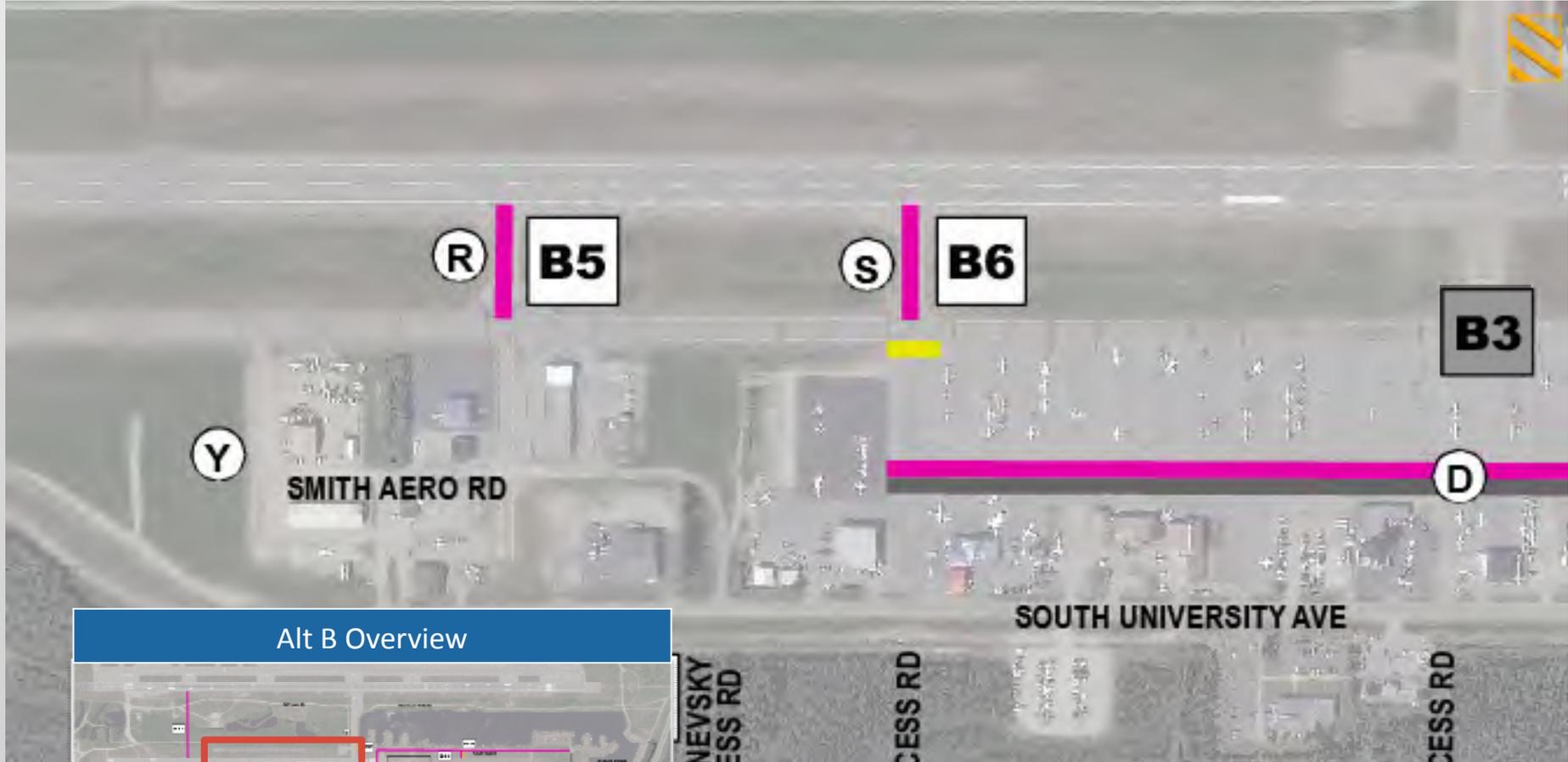
# Alternative B: Taxiways and Incursions

	Project	CIP Cost
B2	TW B – Delete Access from Float Pond Road	\$
B3	TW C – Extend ATCT Controlled Surface to Full Length of TW C	N/A, M&O Cost
B4	TW D – Straighten TW and Add Adjacent Apron Vehicle Lanes	Part of C1



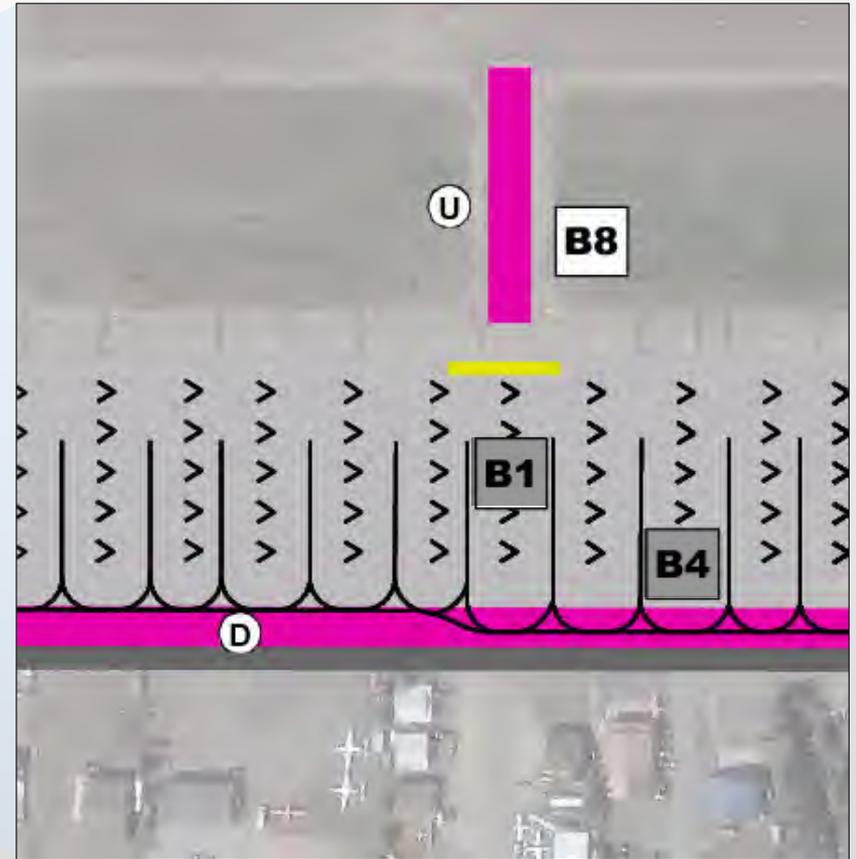
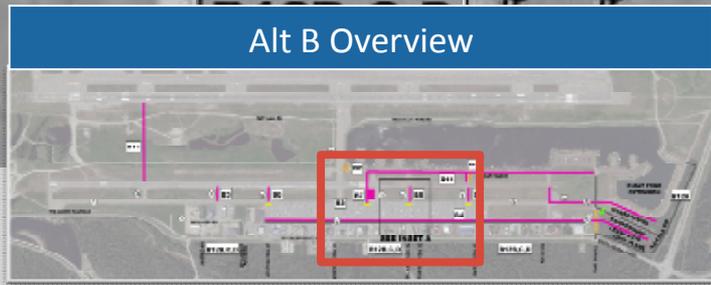
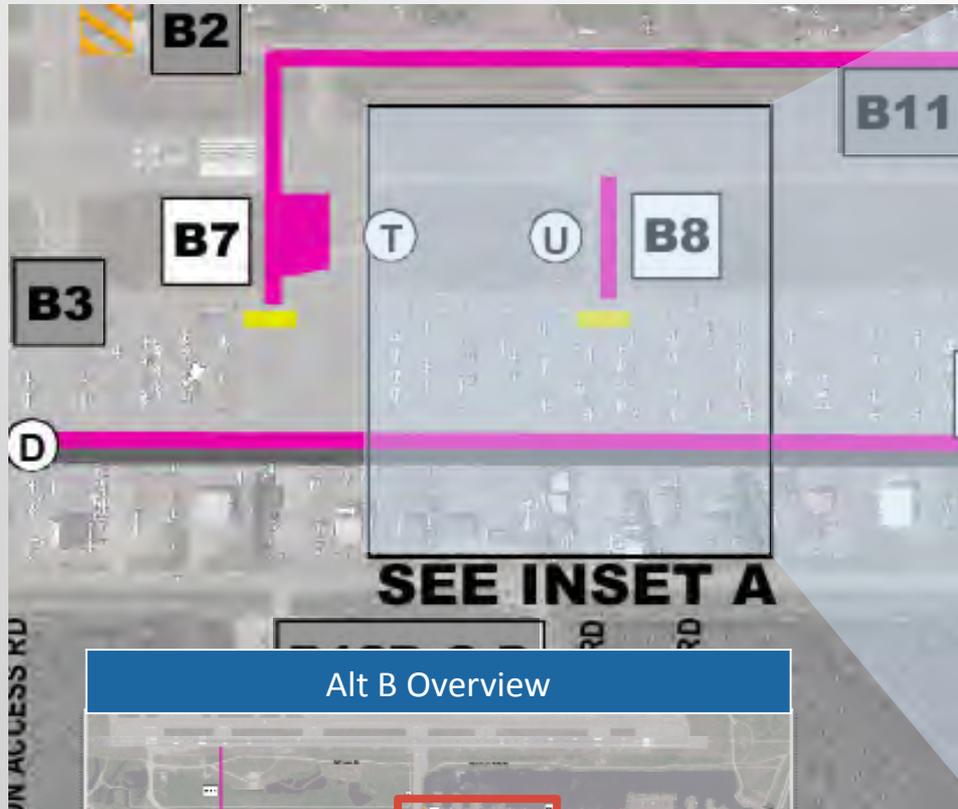
# Alternative B: Taxiways and Incursions

	Project	CIP Cost
B5	TW R – Exit Only, Shift or Delete TW	\$
B6	TW S – Exit Only, Remove Direct Access to Apron or Delete TW	\$



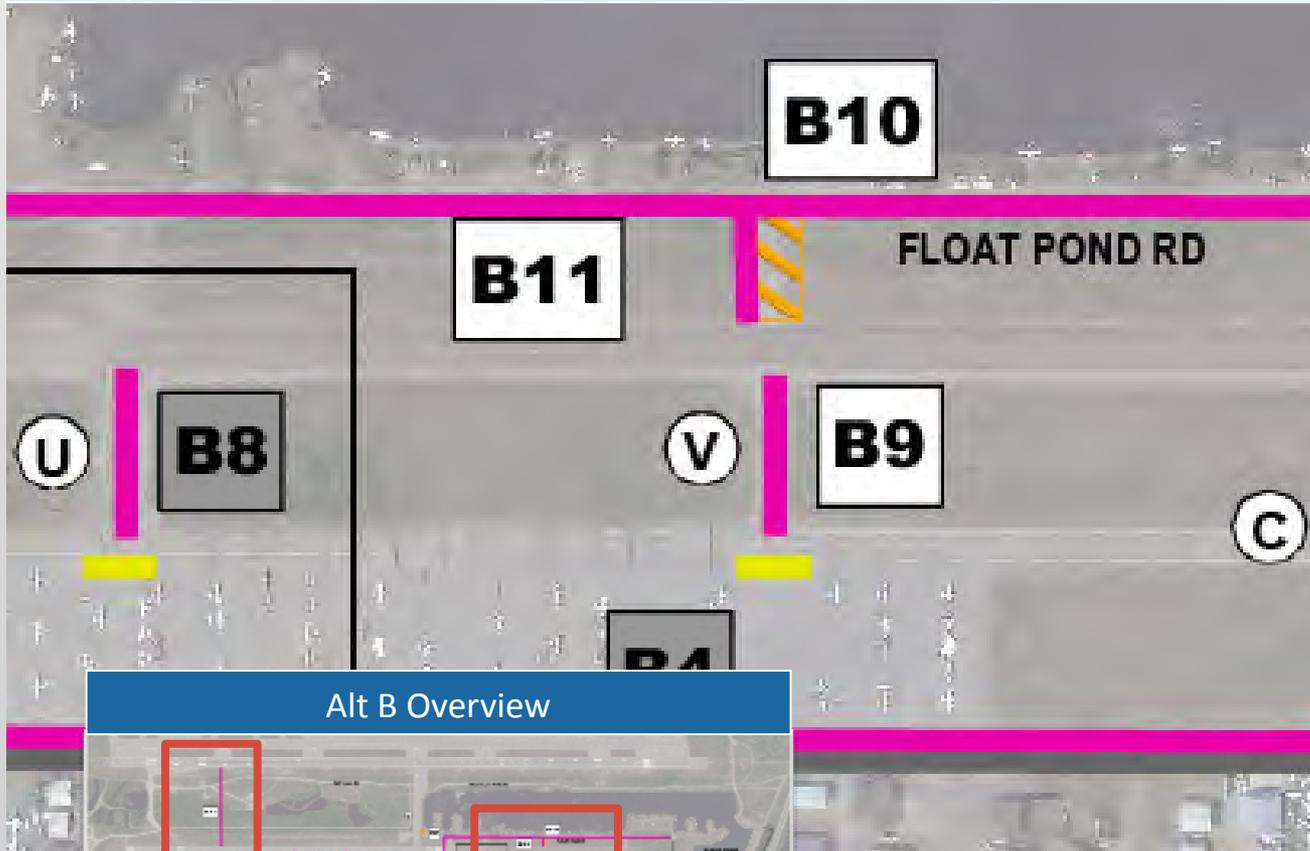
# Alternative B: Taxiways and Incursions

	Project	CIP Cost
B7	TW T – Shift TW South and Narrow TW to Align with Threshold, Remove Direct Access to Apron, Adjacent Runup Area	\$
B8	TW U – Remove Direct Access to Apron	Part of C1



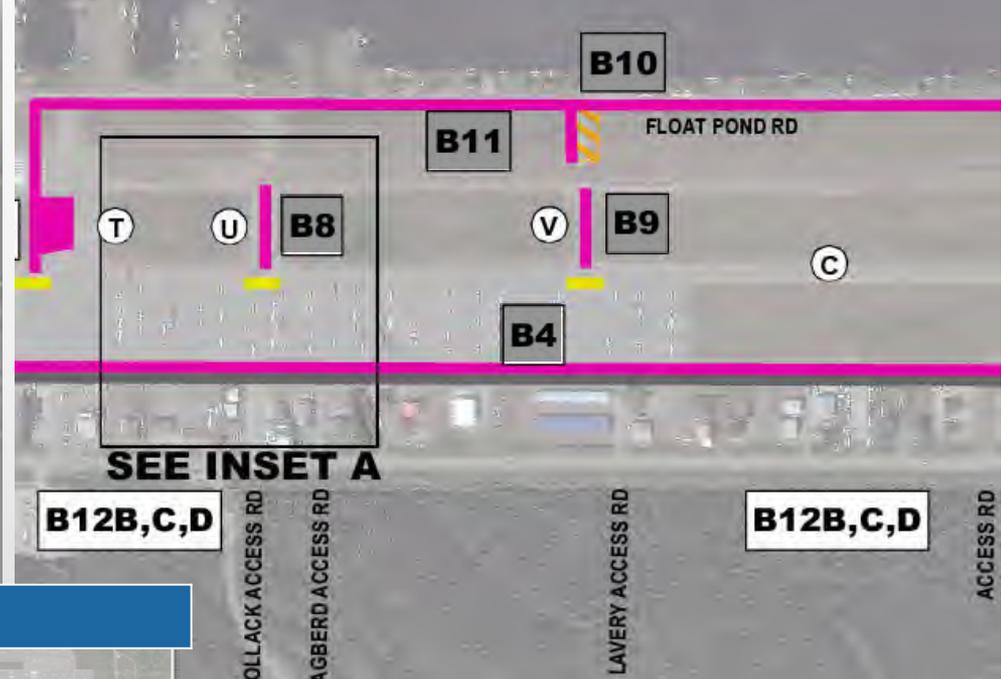
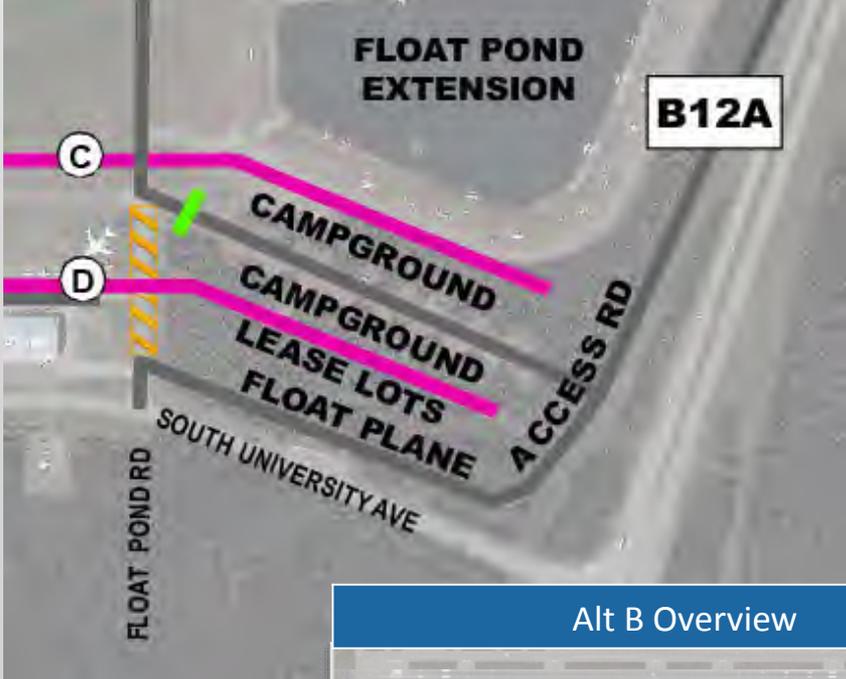
# Alternative B: Taxiways and Incursions

	Project	CIP Cost
B9	TW V – Remove Direct Access to Apron, Exit Only, Shift Connector to Float Pond Road	\$
B10	Reconfigure Float Pond Road as a Taxilane	\$\$\$\$
B11	New South End Taxiway Connector at TW Q (Long Term)	\$\$\$\$\$



# Alternative B: Taxiways and Incursions

	Project	CIP Cost
<b>B12</b>	Reduce Vehicle Incursions Alternatives	
<b>B12A</b>	Relocate Float Pond Access Road, Add Gate	\$\$\$
<b>B12B</b>	Repair Inoperable Road Gate Arms	\$
<b>B12C</b>	Reduce Number of Apron Access Roads on South University Ave	\$
<b>B12D</b>	Add Security Gates and Complete Fencing to All Lease Lots Along South University Ave	\$\$
<b>B13</b>	Delete Compass Rose (Not on Drawing)	N/A, M&O Cost

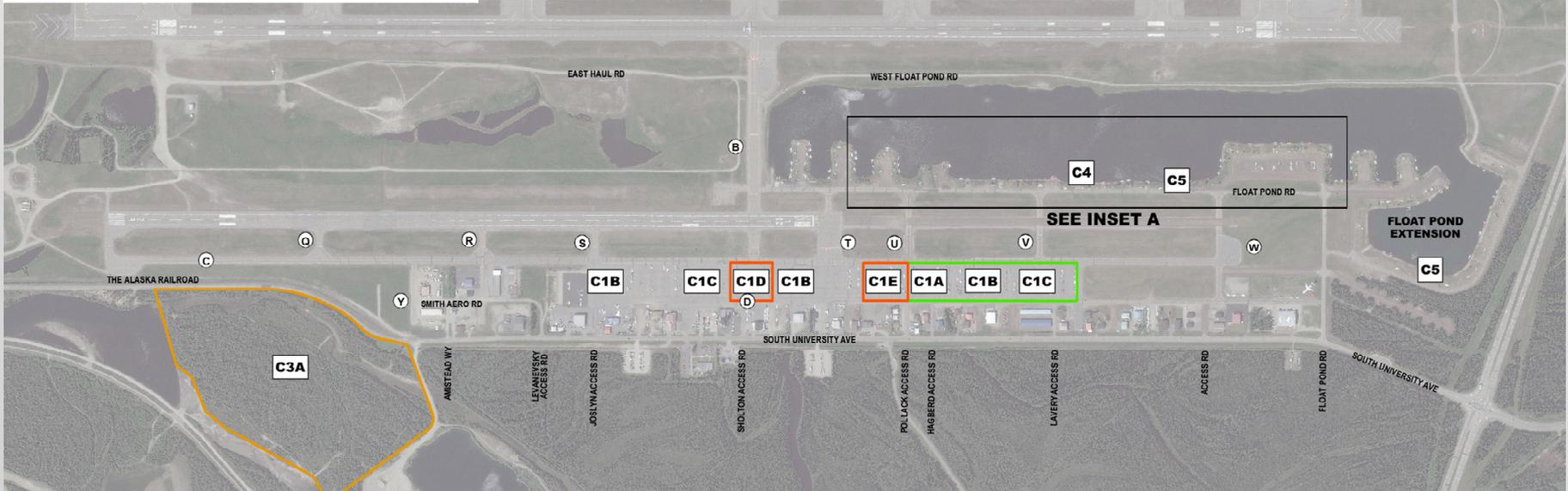
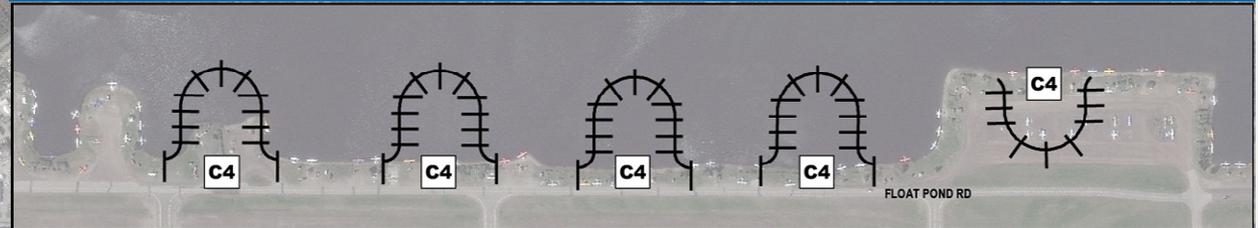


# Alternative C: Tie Down Apron & Slips

## Legend

-  Ski Tie-Down
-  Transient Aircraft
-  Helicopter
-  Road
-  Taxiway
-  Gate

## Inset A



# Alternative C: Tie Down Apron & Slips

	Project	CIP Cost
<b>C1</b>	Resurface and Reconfigure East Ramp	\$\$\$\$\$ (funding already committed)
<b>C1A</b>	Consolidate Ski Tie Downs Adjacent to Ski Strip (numbers TBD)	Part of C1 Cost
<b>C1B</b>	Increase Pull Through Tie Downs (numbers TBD)	Part of C1 Cost
<b>C1C</b>	Increase Tie Down Electrical Service with Power Cost Recovery Fees or User Meters	Part of C1 Cost
<b>C1D</b>	Existing Transient Parking / Fueling Site Shifted West and North Block Taxiway B Access	Part of C1 Cost
<b>C1E</b>	Relocate Transient Parking to South End of Ski Tie Downs	Part of C1 Cost
<b>C2</b>	New Privately Developed General Aviation (GA) Facility (Where?)	N/A, Private Costs
<b>C3</b>	Transient Helicopter Parking	
<b>C3A</b>	Relocate Transient Helicopters to East of University with Large Helicopter Lease Area	\$
<b>C3B</b>	Transient Helicopter Parking (Not on Drawing)	N/A, Private Costs
<b>C4</b>	Increase Approximately 24 Slips (Inset A)	\$\$\$
<b>C5</b>	Provide Slip Electrical Service with Power Cost Recovery Fees or User Meters	\$\$\$

CIP Cost for Preliminary Alternatives

\$  
\$\$  
\$\$\$  
\$\$\$\$

<\$500K  
<\$500K - \$1M  
<\$1M - \$3M  
<\$3M - \$5M

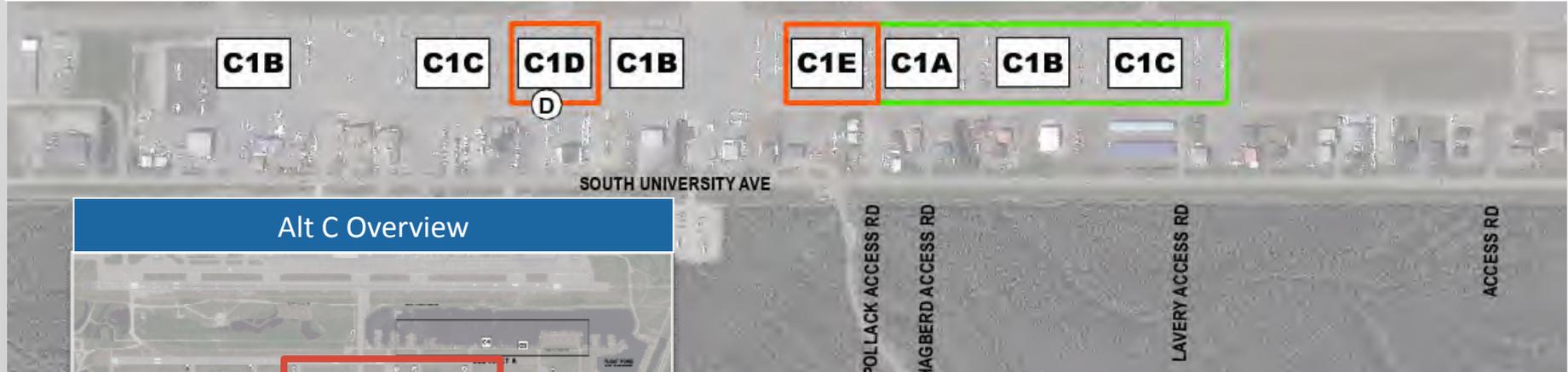
\$\$\$\$\$  
\$\$\$\$\$\$  
N/A

<\$5M - \$10M  
>\$10M  
Not an FAI CIP Cost



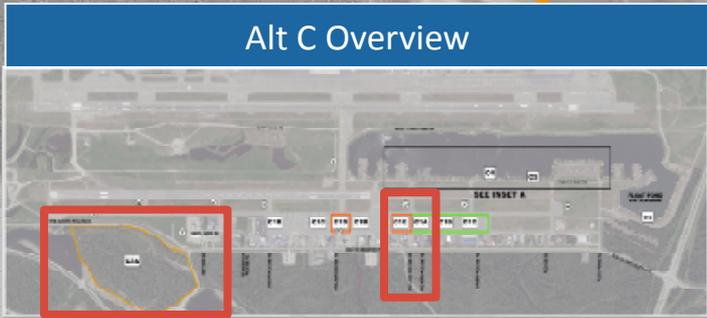
# Alternative C: Tie Down Apron & Slips

	Project	CIP Cost
<b>C1</b>	Resurface and Reconfigure East Ramp	\$\$\$\$\$ (funding already committed)
<b>C1A</b>	Consolidate Ski Tie Downs Adjacent to Ski Strip (numbers TBD)	Part of C1 Cost
<b>C1B</b>	Increase Pull Through Tie Downs (numbers TBD)	Part of C1 Cost
<b>C1C</b>	Increase Tie Down Electrical Service with Power Cost Recovery Fees or User Meters	Part of C1 Cost
<b>C1D</b>	Existing Transient Parking / Fueling Site Shifted West and North Block Taxiway B Access	Part of C1 Cost
<b>C1E</b>	Relocate Transient Parking to South End of Ski Tie Downs	Part of C1 Cost
<b>C2</b>	New Privately Developed General Aviation (GA) Facility (Where?)	N/A, Private Costs



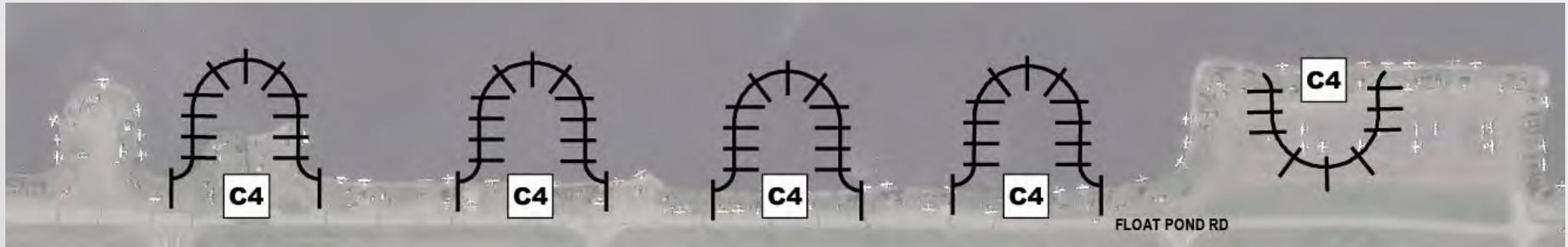
# Alternative C: Tie Down Apron & Slips

	Project	CIP Cost
<b>C3</b>	Transient Helicopter Parking	
<b>C3A</b>	Relocate Transient Helicopters to East of University with Large Helicopter Lease Area	\$
<b>C3B</b>	Relocate Transient Helicopters West Site or East Side Lease Lot (Not on Drawing)	N/A, Private Costs



# Alternative C: Tie Down Apron & Slips

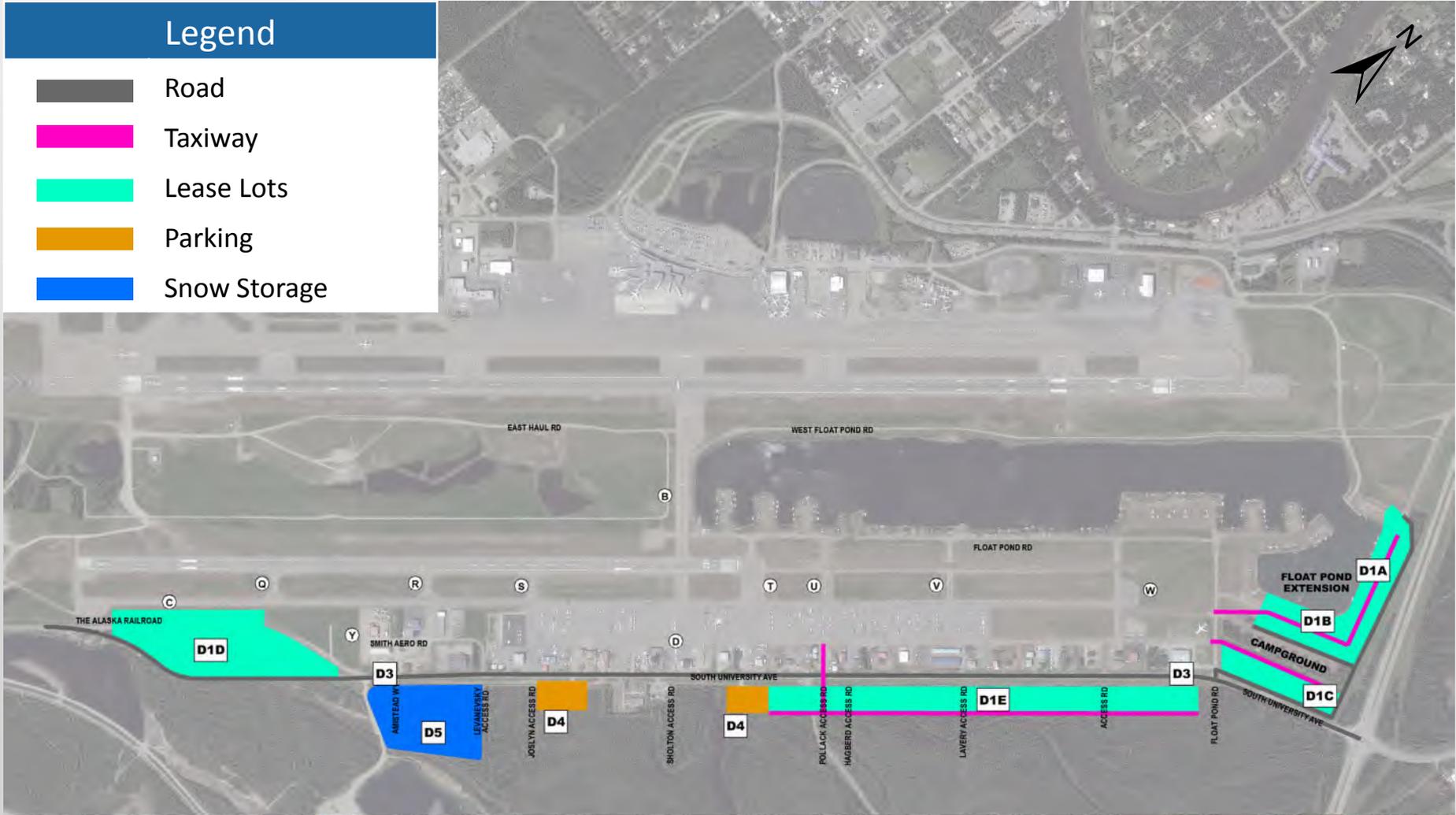
	Project	CIP Cost
C4	Increase Approximately 24 Slips (Inset A)	\$\$\$
C5	Provide Slip Electrical Service with Power Cost Recovery Fees or User Meters	\$\$\$



# Alternative D: Lease Lots, Roads & Parking

## Legend

-  Road
-  Taxiway
-  Lease Lots
-  Parking
-  Snow Storage



# Alternative D: Lease Lots, Roads & Parking

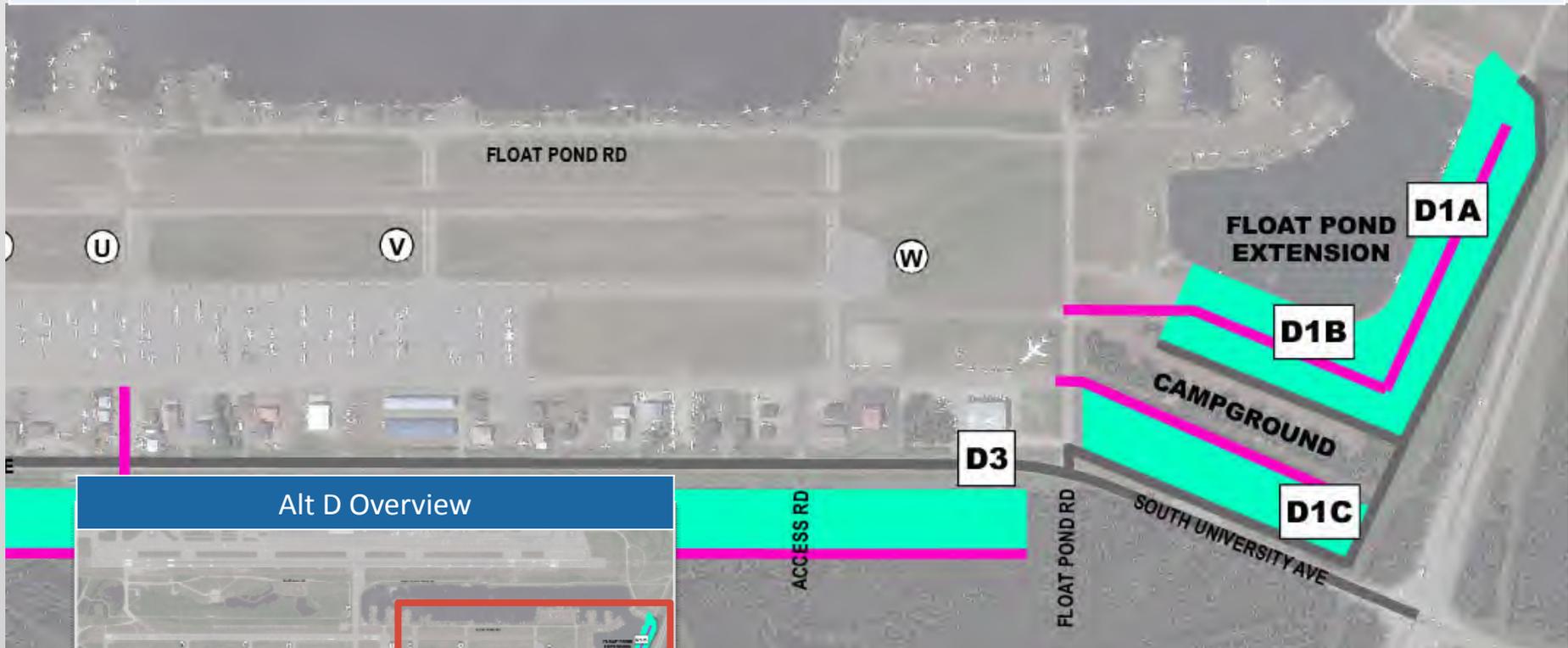
	Project	CIP Cost
<b>D1</b>	Add Lease Lots	
<b>D1A</b>	Float Pond Commercial Lease Lots North of Floatpond Extension	\$\$\$
<b>D1B</b>	Float Pond Commercial Lease Lots East of Floatpond Extension	\$\$\$
<b>D1C</b>	Commercial Lease Lots East of Campground	\$\$\$
<b>D1D</b>	Shift University Avenue South to Create Commercial Lease Lots (Long Term)	\$\$\$\$
<b>D1E</b>	Commercial Lease Lots East of University (Long Term)	\$\$\$\$
<b>D2</b>	Public Aircraft Viewing Area (Where?)	M&O Cost
<b>D3</b>	Resurface University Avenue; Provide Pedestrian Path	N/A, FHWA Cost
<b>D4</b>	Expanded Public Parking; Provide Electrical Service	\$\$\$\$
<b>D5</b>	Designated Snow Storage	\$\$
<b>D6</b>	Improve Ground Transportation Between East and West Sides of Airport (not on drawing)	N/A, Borough or Private

## CIP Cost for Preliminary Alternatives

\$	<\$500K
\$\$	<\$500K - \$1M
\$\$\$	<\$1M - \$3M
\$\$\$\$	<\$3M - \$5M
\$\$\$\$\$	<\$5M - \$10M
\$\$\$\$\$\$	>\$10M
N/A	Not an FAI CIP Cost

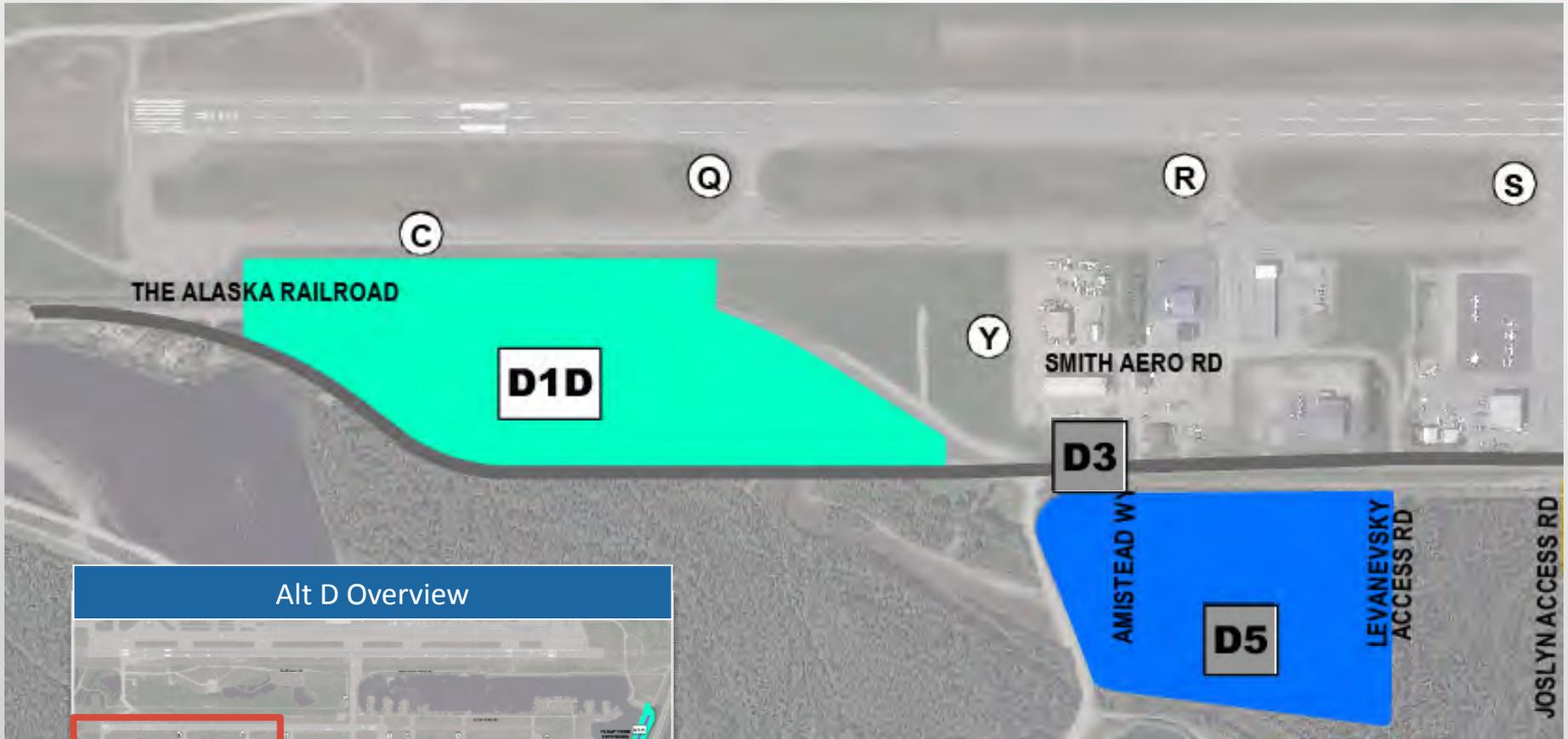
# Alternative D: Lease Lots, Roads & Parking

	Project	CIP Cost
<b>D1</b>	Add Lease Lots	
<b>D1A</b>	Float Pond Commercial Lease Lots North of Floatpond Extension	\$\$\$
<b>D1B</b>	Float Pond Commercial Lease Lots East of Floatpond Extension	\$\$\$
<b>D1C</b>	Commercial Lease Lots East of Campground	\$\$\$



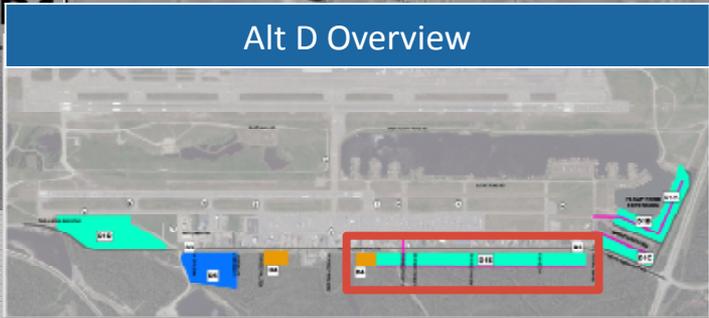
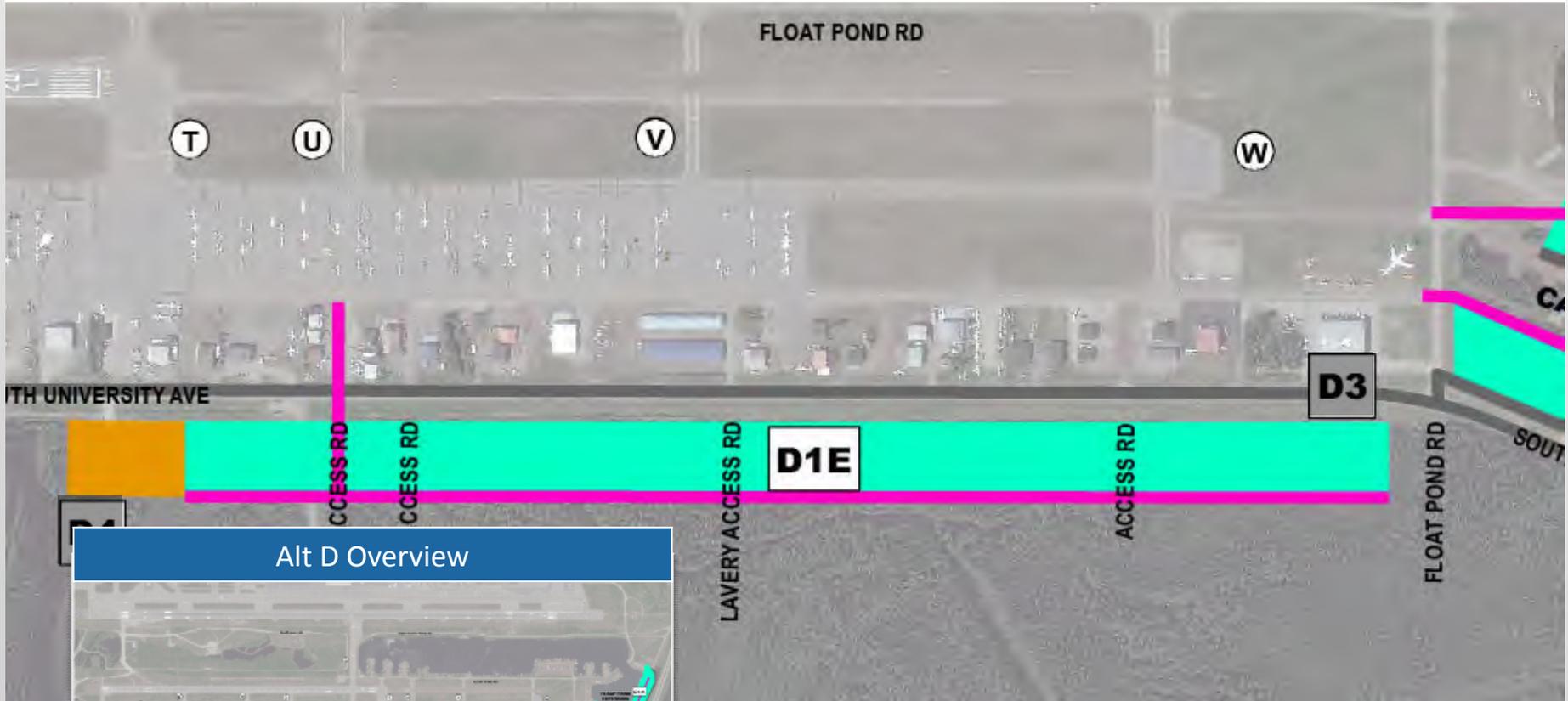
# Alternative D: Lease Lots, Roads & Parking

	Project	CIP Cost
D1	Add Lease Lots	
D1D	Shift University Avenue South to Create Commercial Lease Lots (Long Term)	\$\$\$\$



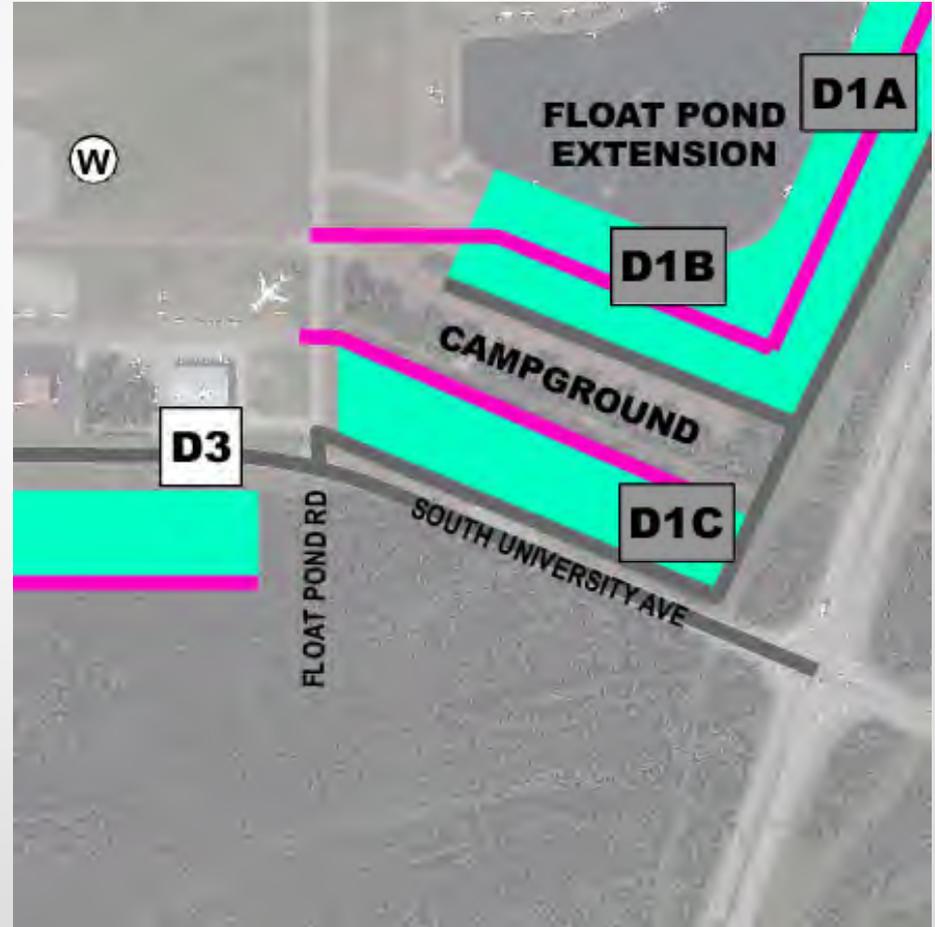
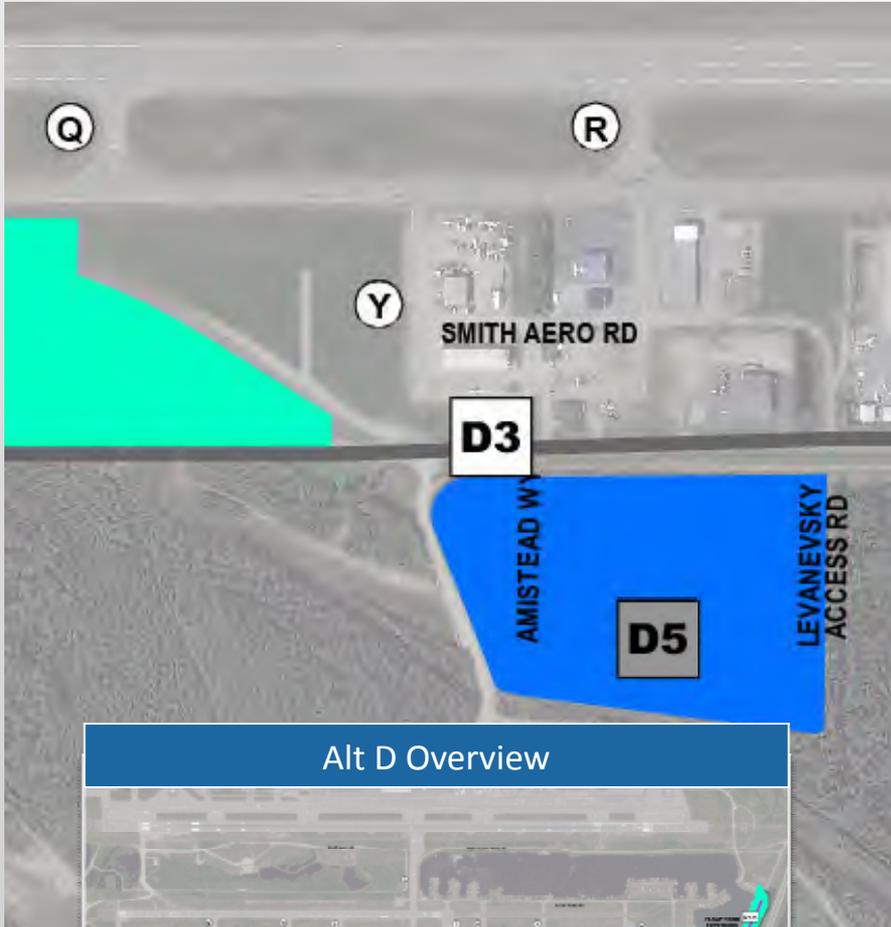
# Alternative D: Lease Lots, Roads & Parking

	Project	CIP Cost
<b>D1</b>	Add Lease Lots	
<b>D1E</b>	Commercial Lease Lots East of University (Long Term)	\$\$\$\$
<b>D2</b>	Public Aircraft Viewing Area (Where?)	M&O Cost



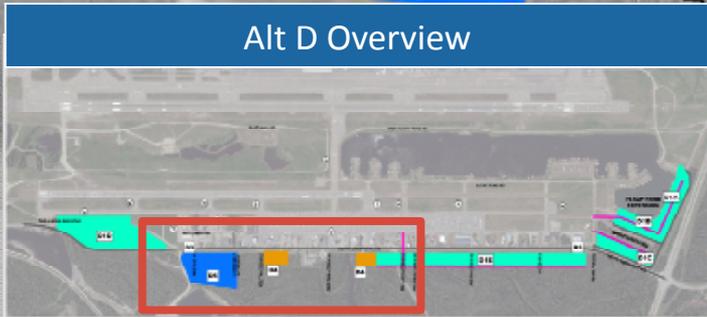
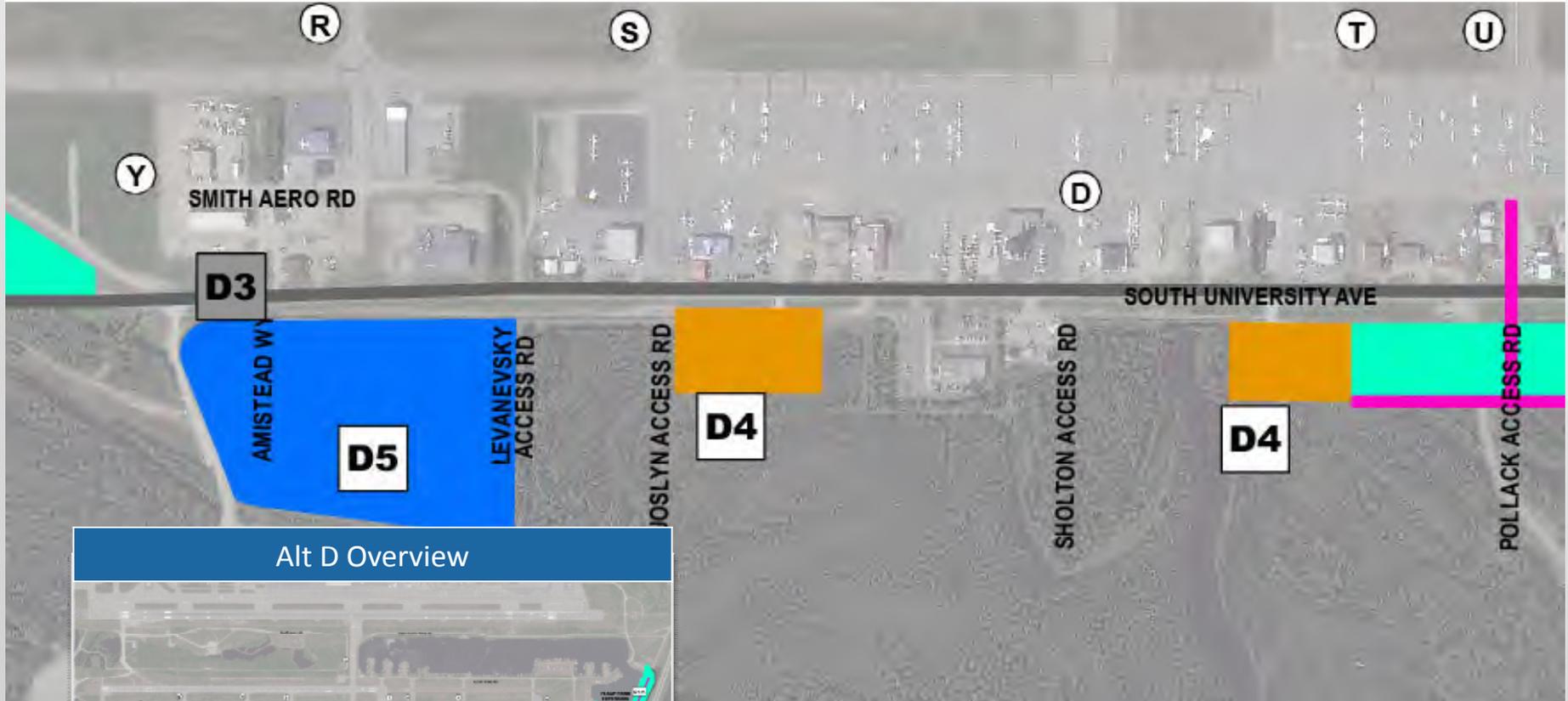
# Alternative D: Lease Lots, Roads & Parking

	Project	CIP Cost
D3	Resurface University Avenue; Provide Pedestrian Path	N/A, FHWA Cost



# Alternative D: Lease Lots, Roads & Parking

	Project	CIP Cost
D4	Expanded Public Parking; Provide Electrical Service	\$\$\$\$
D5	Designated Snow Storage	\$\$
D6	Improve Ground Transportation Between East and West Sides of Airport (not on drawing)	N/A



# Questions? Comments?



# Next Steps

## Public Meeting – October 16, 6:00 – 8:00 PM

- Comment period Alternatives – ends October 31
- Draft recommendations – December
- Advisory Committee – January/February

## Public Meeting – January/February 2019



# Thank you!

## Contact Information:

Tom Middendorf, Project Manager

Alexa Greene, Public Involvement/Planning

[www.fai-eastside-masterplan.com](http://www.fai-eastside-masterplan.com)

(907) 562-2000

