Rapid City Regional Airport

Master Plan Update

Advisory Committee Kickoff Meeting
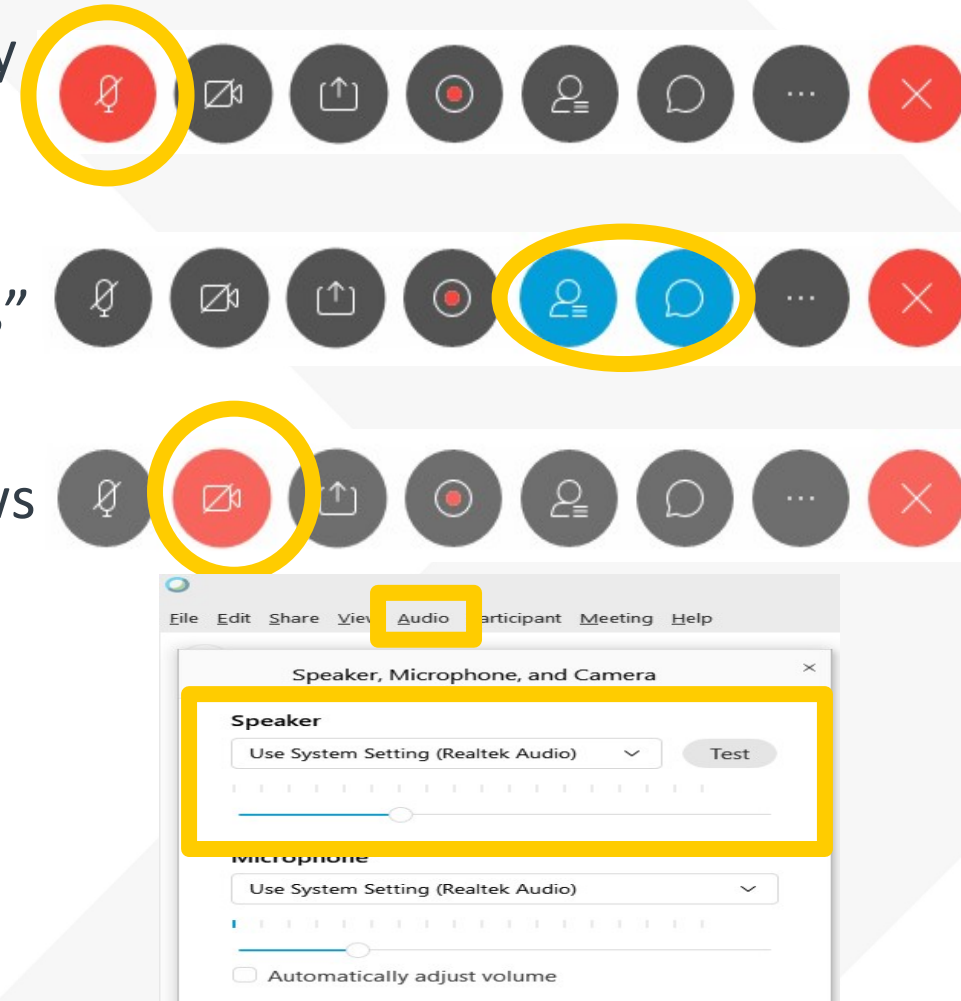
May 20, 2020

KLJ

ENGINEERING, REIMAGINED

WebEx Controls and Etiquette

> Bottom center of your screen is where you will find the icons. If they disappear, click anywhere on the screen.

> Please keep microphone muted until invited to speak by WebEx Leader.

> Please use "Chat" feature and select "everyone" if you desire to comment/ask a question and the "Participants" to see who is talking/commenting.

> Reminder that you may have your video "on" that allows you and your actions to be visible to others on this WebEx.

> If you cannot hear please select *Audio* on the top left and adjust volume.

File   Edit   Share   View   Audio   Participant   Meeting   Help

Speaker, Microphone, and Camera

Speaker

Use System Setting (Realtek Audio)   Test

Microphone

Use System Setting (Realtek Audio)

☐ Automatically adjust volume

Agenda

> Introductions

> Roles & Responsibilities

> Airport Master Plan Process

> Focus Areas

> Next Steps

Roles & Responsibilities

RCRA / City of Rapid City
- Provide Guiding Principles
- Make Decisions
- Review and Approve Master Plan and ALP

FAA & SD Office of Aeronautics
- Provide Technical Guidance
- Approve Aviation Forecasts
- Review Master Plan
- Approve ALP

KLJ Planning Team
- Manage Study
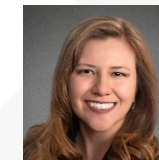- Complete Technical Work
- Provide Analysis

RAPID CITY
Kent Penney A.A.E., Senior Aviation Planner
605 939 5794
kent.penney@kljeng.com

BISMARCK
Matt Nisbet, Aviation Planner
701 355 8449
matt.Nisbet@kljeng.com

BISMARCK
Tom Schauer, Senior Aviation Advisor
701 250 5944
tom.schauer@kljeng.com

RAPID CITY
Amber Channel, Aviation Planner
605 939 9144
amber.channel@kljeng.com

KLJ

ENGINEERING, REIMAGINED

Roles & Responsibilities

❯ Advisory Committee

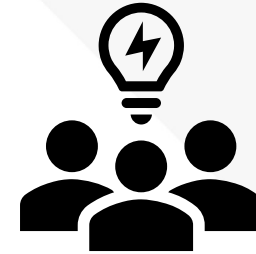   ❯ Why me?

      ❯ Role in Decision

      ❯ Stake in the Outcome

      ❯ Valued Resource

   ❯ Identify Key Issues

   ❯ Review Documents

   ❯ Provide Input and Recommendations

KLJ

ENGINEERING, REIMAGINED

Roles & Responsibilities

> Other Groups included in the study

> ## Strategic Partner Committee

> Rapid City Government

> Rapid City ED

> Pennington County

> Box Elder

> Sturgis

> Spearfish

> Deadwood

> Ellsworth AFB

> Hospitality

> SDSM&T

> ## Focus Groups

> Airport Executive Staff

> Airport Operations

> Government Operators & Airspace

> Economic Development

> Planning/Engineering

> Airline Representatives

> TSA

> Terminal Concessions

> General Aviation Tenants

> FBO/SASO Tenants

> Cargo Representatives

KLJ
ENGINEERING, REIMAGINED

Airport Master Planning

> ## What is an Airport Master Plan?

"An Airport Master Plan is a comprehensive study of an airport and usually describes the short-, medium- and long-term development plans to meet future aviation demand"

Federal Aviation Administration (FAA)

Advisory Circular 150/5070-6B, Airport Master Plans

KLJ

ENGINEERING, REIMAGINED
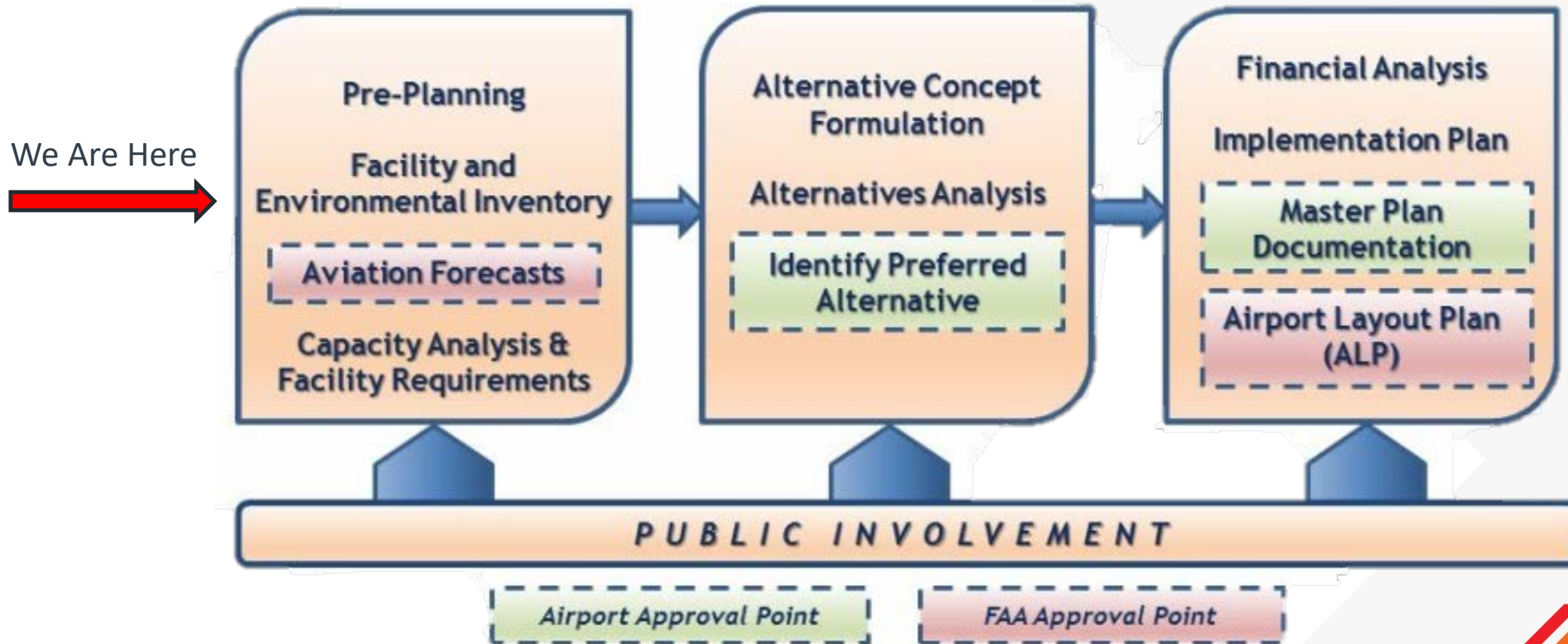
Airport Master Planning

- "Road Map" for meeting aviation demands
- Preserves flexibility to respond to the future
- Allows airport to cost-effectively keep pace with aviation growth
- Considers environmental and socioeconomic impact of development
- Why is a Master Plan Update needed now?
  - Last Airport Master Plan completed 2014 but forecasted numbers have been surpassed
  - Continuity of operations – develop a plan to eliminate or minimize closure time of RAP's primary runway.
    - *Examples: Reconstruction, Aircraft Incidents, etc.*

KLJ

ENGINEERING, REIMAGINED

Airport Master Planning

We Are Here

Rapid City Regional Airport
Monthly Statistics

	December					Year-to-Date				
	2019	2018	2016 to 2018 average	% Chg 2019 vs. 2018	% Chg 2019 vs. 2016 to 2018 average	2019	2018	2016 to 2018 average	% Chg 2019 vs. 2018	% Chg 2019 vs. 2016 to 2018 average
Enplaned Passengers	27,525	19,504	20,406	41.1%	34.9%	350,960	310,810	295,194	12.9%	18.9%
Deplaned Passengers	26,694	19,793	20,515	34.9%	30.1%	354,156	315,108	299,124	12.4%	18.4%
Total passengers	54,219	39,297	40,921	38.0%	32.5%	705,116	625,918	594,319	12.7%	18.6%
Total available seats	66,560	46,002	53,476	44.7%	24.5%	854,080	733,886	718,752	16.4%	18.8%
Load Factor	81.5%	85.4%	76.5%	-4.6%	6.5%	82.6%	85.3%	82.7%	-3.2%	-0.2%
Airline Flights Operated	473	364	395	29.9%	19.6%	6,187	5,641	5,444	9.7%	13.6%

Source: rapairport.com, "Rapid City Regional Airport Monthly Statistics, December 2019"

ENGINEERING, REIMAGINED

Airfield

- Continuity of Operations & Primary Runway Alternatives
  - Shift Runway 550'
  - Runway Alignment
- Crosswind Runway
- Instrument Approaches
- Taxiways

- **Any challenges or issues?**
- **What are some successes?**
  We want to keep facilities and systems working well

KLJ

ENGINEERING, REIMAGINED

Passenger Terminal Area

- Airside / Jet Bridges
- Deicing
- ARFF Station
- Rental Car Facilities
- Terminal Area Space
- Access & Parking
- Nonaeronautical Development

- **Any challenges or issues?**
- **What are some successes?**
  We want to keep facilities and systems working well

KLJ

ENGINEERING, REIMAGINED

General Aviation Area
- SRE/Maintenance Buildings
- Air Cargo Space
- Roads
- Hangars
- FBO/SASO
- Access/Parking
- Fuel Farm

- **Any challenges or issues?**
- **What are some successes?**
  We want to keep facilities and systems working well

KLJ

ENGINEERING, REIMAGINED

South Area
- SD Army National Guard
- Air Traffic Control Tower
- US Forest Service
- Landside Facilities
- Potential for Air Cargo

- **Any challenges or issues?**
- **What are some successes?**
  We want to keep facilities and systems working well

KLJ

ENGINEERING, REIMAGINED

Next Steps

> Aviation Activity Forecasts

> Facility Requirements

> Alternatives

> > Next meeting will be held after alternatives have been developed (late summer / early fall).

KLJ

Questions & Comments

rapidcityairportplan.com

Matt Nisbet

Aviation Planner

matt.nisbet@kljeng.com

701.355.8449

ENGINEERING, REIMAGINED