#### **Appendix E – Outreach**



**PAC** Meeting 1 Presentation





# Project Advisory Committee (PAC) Meeting #1

Airport Master Plan March Inland Port Airport March 9, 2022 1:00pm



## <u>Agenda</u>



- 1. Project Advisory Committee (PAC) Introduction
- 2. Project Overview and Goals
- 3. Next Steps
- 4. Q&A





### Project Team

#### March Inland Port Airport Authority (MIPAA)

Gary Gosliga, Airport Director

Carlos Orellana, Operations Manager

#### **Consultant Team**

Marc Champigny, Project Manager, C&S Companies

Jake Shurer, Deputy Project Manager, C&S Companies

Alexandra Davis, Sustainability Lead, C&S Companies

**Drew Taplin**, Planning, C&S Companies

Martinez Geospatial, Airport GIS Sub-consultant







## Project Advisory Committee

#### • Role

- To provide technical oversight, guidance, and input into the planning process throughout the Airport Master Plan
- Up to five meetings





# Project Advisory Committee

Agency Representatives	
Dr. Grace Martin	MJPA, Executive Director
Gary W. Gosliga	MIPAA, Airport Director
Dan Fairbanks	MJPA, Planning Director
Jeffery Smith	MJPA, Senior Planner
Carlos Orellana	MIPAA, Airfield Operations Coordinator
Charity Schiller	MIPAA Legal, Environmental Attorney
Other Stakeholders	
Jamil Dada	Museum, President
Greg Kuster	Museum, Director of Operations

Sammy Desopo Million Air, General Manager

#### **Riverside County Airport Land Use Commission (ALUC) Representative**

Simon A. Housman RIVCP ALUC, Project Director MARB MCUS

452 <sup>nd</sup> , Base Civil Engineer	
452 <sup>nd</sup> MSG, Chief, Environmental Flight	
452 <sup>nd</sup> MSG, Environmental Engineer	
AFCEC/CIBW, Former MARF AF Superfund Sites	
MARB, Airfield Operations Manager	

#### **FAA Representatives**

MARB Representatives

Darlene Williams	FAA/LA ADO, Airport Planner/PFC Specialist
Saba Khan	FAA/LA ADO, CE/Program Manager

#### **Developer Parcel D-1 / Meridian Park D-1, LLC**

Timothy Reeves	Developer D-1, Vice President
Jeff Gordon	Waypoint Ppty., Sr. Vice President
Kathy Hoffer	Hillwood, Vice President



### What is a Master Plan?

- Blueprint for long-term development
- Typically includes:
  - Visual representation of airport features, development, and land use
  - Schedule of proposed development and costs
  - Validation of concepts through technical, economic, and environmental grounds
  - A vision in coordination with the community



## <u>Oversight</u>



- The Federal Aviation Administration (FAA) regulates airport development through master plans
- FAA reviews and formally approves:
  - Forecast / Critical Aircraft
  - Airport Layout Plan (ALP)
- Eligibility of Airport Improvement Program (AIP) funding for airports is tied to the elements above



### **Goals for Master Plan**

 Determine the extent, type, and schedule of development needed for the next 20 years

#### To understand and document:

- Issues, opportunities, and constraints of the Airport
- National and local aviation trends
- Infrastructure needs and funding sources
- Estimate of costs and schedules
- Meet current FAA design standards, update ALP to reflect existing conditions, revise projections of airport activity, and meet environmental and other regulatory requirements





#### PAC Feedback

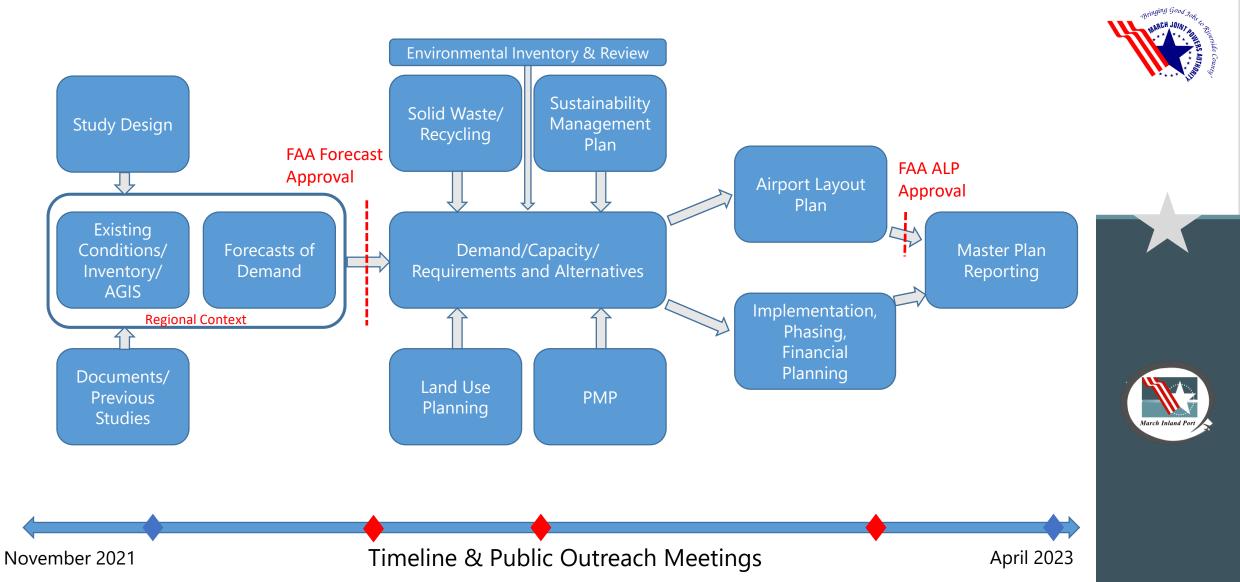








### Process Flowchart/Schedule



### In-Progress

- Working Groups
- Existing Conditions & Inventory
- Regional Context & Land Use
- Forecast of Aviation Demand





## Working Groups

#### Stakeholder Involvement

- Planning Advisory Committee
- Public Input

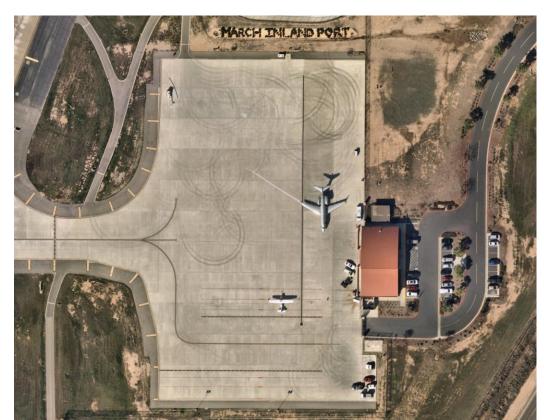






## **Existing Conditions/Inventory**

- Assemble and organize relevant information and data pertaining to the Airport.
- AGIS & Aerial Survey
- Collect information for:
  - Aviation system
  - Airfield
  - Terminal Area
  - Landside
  - GA & Support Facilities
  - Cargo Facilities





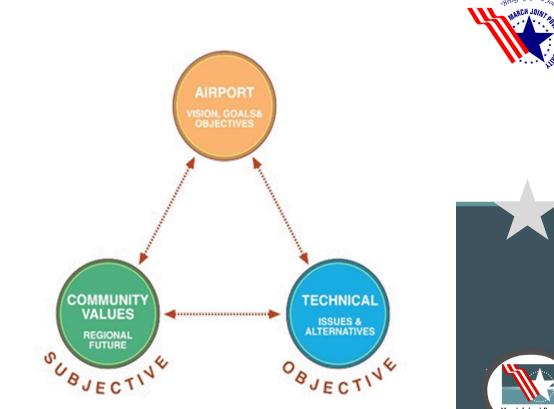




### **Regional Context and Land Use**

#### Vision & Goal Setting

- Airport as an air service facility
- Relationship of Airport to transportation and communications network
- Airport's role in social and economic development
- Regional Context and Land Use
  - Evaluate:
    - Regional growth
    - Airport competition
    - Existing and proposed land uses
- Potential Airport name change?



### **Forecast of Aviation Demand**



- Develop aviation demand forecast for 5-, 10-, and 20-year planning horizon.
- Using historical data, estimates of aviation demand will include:
  - Based aircraft totals and fleet mix
  - Annual operations by type of aircraft
  - Operational mix by type and Airport Reference Code
  - Critical/design aircraft
- Will not forecast military activity
- JPA operations limited to 21,000/year
- 2018 AICUZ Forecast = 52,172 operations







#### PAC Feedback









## **Upcoming Elements**

- Facility Requirements
- Environmental Review
- Solid Waste & Recycling Plan
- Sustainability Management Plan
- Land Use Planning
- Alternatives Development & Evaluation
- Implementation, Phasing & Funding
- Airport Layout Plan (ALP)







## **Facility Requirements**

- Determine the facility needs for the planning horizon.
- Based on demand, FAA design standards, capital maintenance needs, and the vision for RIV.
- Airside facilities
- Landside facilities
- Support facilities and infrastructure







### **Environmental Review**



 Identify potential environmental factors that would need to be addressed as part of future airport environmental studies

#### • Examples:

- Noise Impacts
- Water Quality
- Endangered and Threatened Species
- Air Quality
- Light Emissions
- Historic, Architectural, Archaeological, and Cultural Resources







## Solid Waste & Recycling Plan

 Review current waste management/recycling practices

#### Identify opportunities to:

- Minimize the generation of solid waste
- Reduce operations & maintenance needs
- Minimize cost

#### Recommend updated practices





## Sustainability Management Plan

#### • Economic Viability

- Minimized operations and cost
- Local economy
- Sustainable revenue

#### Operational Efficiency

- Optimize procedures
- Resilience
- Solid Waste & Recycling Plan

#### Natural Resource Conservation

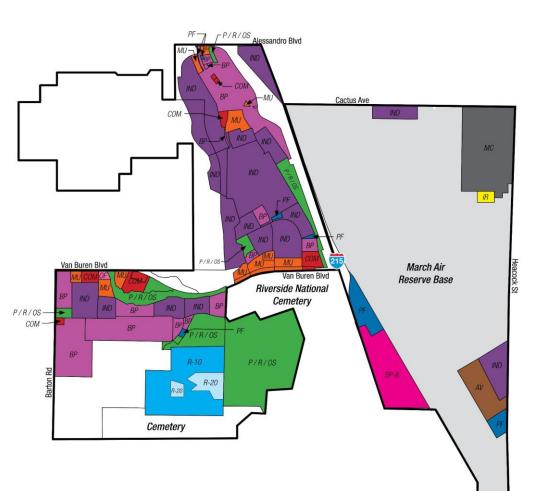
- Air quality & water quality
- Energy management

#### Social Responsibility

- Community & staff engagement
- Local workforce



### Land Use Planning



- Inventory and assess current and future non-aeronautical land use at and surrounding RIV to support economic sustainability
- Interviews with community stakeholders
- Land use & market analysis
- Land use recommendation
- Riverside County ALUC being updated







### **Alternatives Development & Evaluation**

- Prepare and evaluate concepts for Airport development to accommodate future requirements
- Up to three development alternatives
- Repurpose existing assets based on aviation demand
- Considerations:
  - Design standards
  - Environmental impacts
  - Cost
  - Capacity
  - Operational efficiency





### **Implementation**, Phasing & Funding

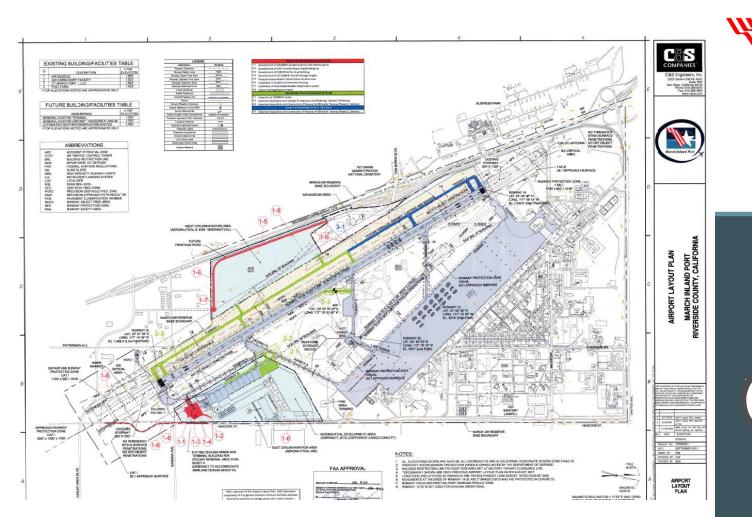
- Define individual development projects
- Develop the implementation schedule, cost estimates, and the Capital Improvement Program (CIP)
- Determine airport development schedule
  - 5-year CIP (short-term development)
  - Intermediate & long-term development plan
- Collect, organize, and analyze historical financial documents
- Identify funding sources for proposed projects





## Airport Layout Plan (ALP)

- Receives FAA Approval
- Includes:
  - Visual depiction of phased airport development
  - Data tables
  - FAA design standards
  - Obstructions to airspace
  - Property information



#### PAC Feedback









#### Next Steps

- Master Plan working papers review
- Stakeholder interviews
- PAC Meeting #2 Summer 2022





## <u>Q&A</u>

Element #	Element Name
Element 1	Study Design and Working Groups
Element 2	Regional Context
Element 3	Existing Conditions and Forecast
Element 4	Forecasts of Aviation Demand
Element 5	Demand/Capacity and Facility Requirements
Element 6	Land Use Planning
Element 7	Alternatives Development and Evaluation
Element 8	Environmental Inventory and Review
Element 9	Implementation and Phasing
Element 10	Financial Planning
Element 11	Master Plan Reporting
Element 12	Airport Layout Plan (ALP) Set
Element 13	Solid Waste/Recycling Plan
Element 14	Sustainability Management Plan
Element 15	AGIS & Aerial Survey
Element 16	Public Involvement Plan
Element 17	Project Administration









**PAC** Meeting 2 Presentation





# Project Advisory Committee (PAC) Meeting and Workshop

Airport Master Plan March Inland Port Airport February 2, 2023



## <u>Agenda</u>

- 1. Introductions (Project Team)
- 2. Airport Overview
- 3. Airport History + Success
- 4. Workshop
- 5. Next Steps







#### Workshop Purpose

- Create a shared Vision by defining:
  - What the Airport is (now)?
  - Where is the Airport going (short- mid- long term)?
  - How will the Airport get there?
- Reimagine what Airport is to the community and its stakeholders
  - Development of a mission and vision







### Project Team

#### **March Joint Powers Authority**

Dr. Grace L. Martin, Executive Director

Rodney McCraine, Deputy Director

Gary Gosliga, Airport Director, MIPAA

Dan Fairbanks, AICP, Planning Director

Jeffrey M. Smith, AICP, Principal Planner

Lauren Sotelo, Senior Planner

Carlos Orellana, Operations Manager, MIPAA

#### **Consultant Team**

Marc Champigny, Kelly Moulton, Jake Shurer, Mia Held







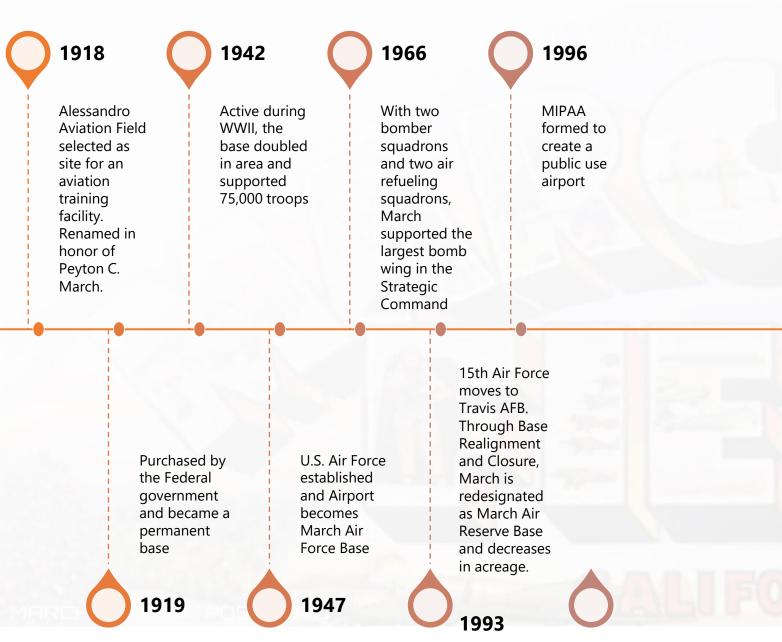
#### **Introductions**

- Name
- Organization
- What about the Airport do you want to learn more about today?





#### Airport History

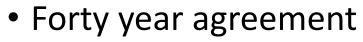




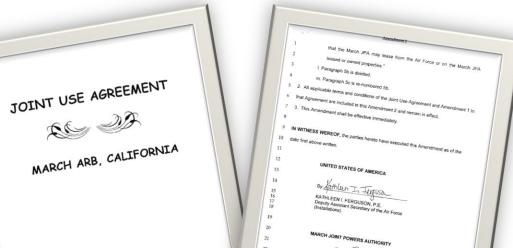


### Joint Use Agreement

- The USAF owns and operates the facility
- March JPA and MIPAA manage and operate civil aviation
  - 21,000 annual operations limit
  - Military activity has priority
  - Flight schools are prohibited



- Signed
  - May 7, 1997
- 1<sup>st</sup> Amendment
  - February 21, 2001
- 2<sup>nd</sup> Amendment
  - June 20, 2008







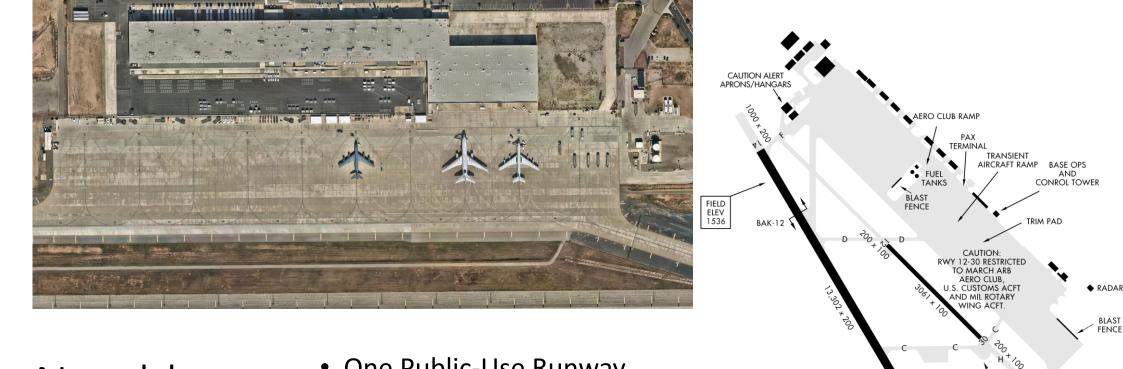












Notable Facilities + Features

- One Public-Use Runway
  - Runway 14/32 (13,302 FT x 200FT)
  - One of the longest runways in SoCal
- >1 Million SF of ramp area to support large aircraft operations
  - Cargo and aerial refueling
- Full service Fixed Base Operator
  - Million Air



BLAST FENCE

STATION

◆ **\_\_\_** FIRE

MARCH JOINT POWERS AUTHORITY (CIVILIAN RAMP)

HOT CARGO





### <u>Airport</u> <u>Components</u>









#### What do we know about the Airport?

- How does the airport provide value to the community now?
- Do you see any real or perceived limitations of the airport?







## What is a Master Plan?

Blueprint for long-term
 development









## Master Plan Purpose

 Determine the extent, type, and schedule of development needed for the next 20 years

#### To understand and document:

- Issues, opportunities, and constraints of the Airport
- National and local aviation trends
- Infrastructure needs and funding sources
- Estimate of costs and schedules
- Meet current FAA design standards, update ALP to reflect existing conditions, revise projections of airport activity, and meet environmental and other regulatory requirements





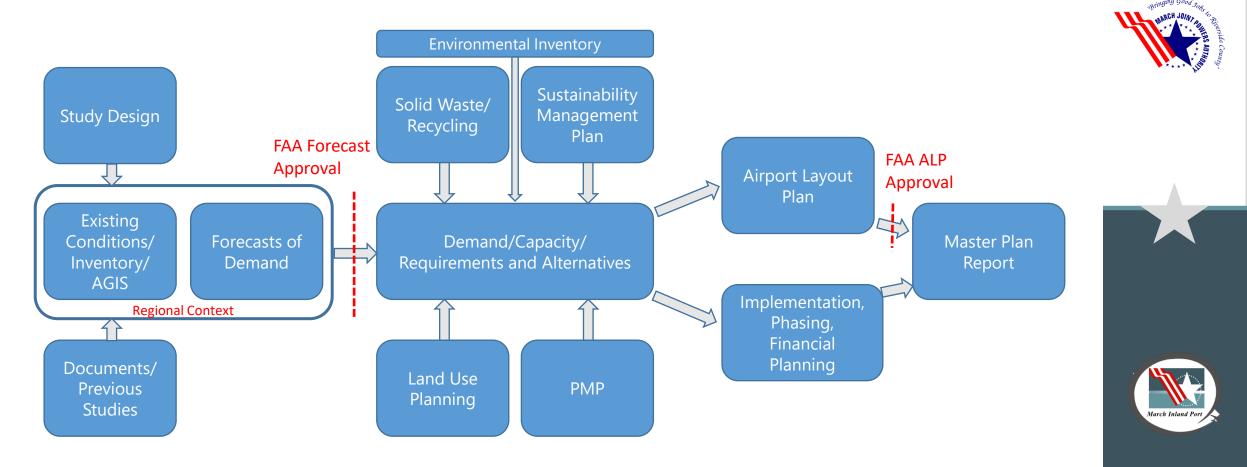


# What role do you play?

• Mission: "To provide input and feedback during preparation of the March Inland Port Airport Authority Master Plan, reviewing concepts and alternatives as they are developed and serving as a representative voice of community and stakeholders."

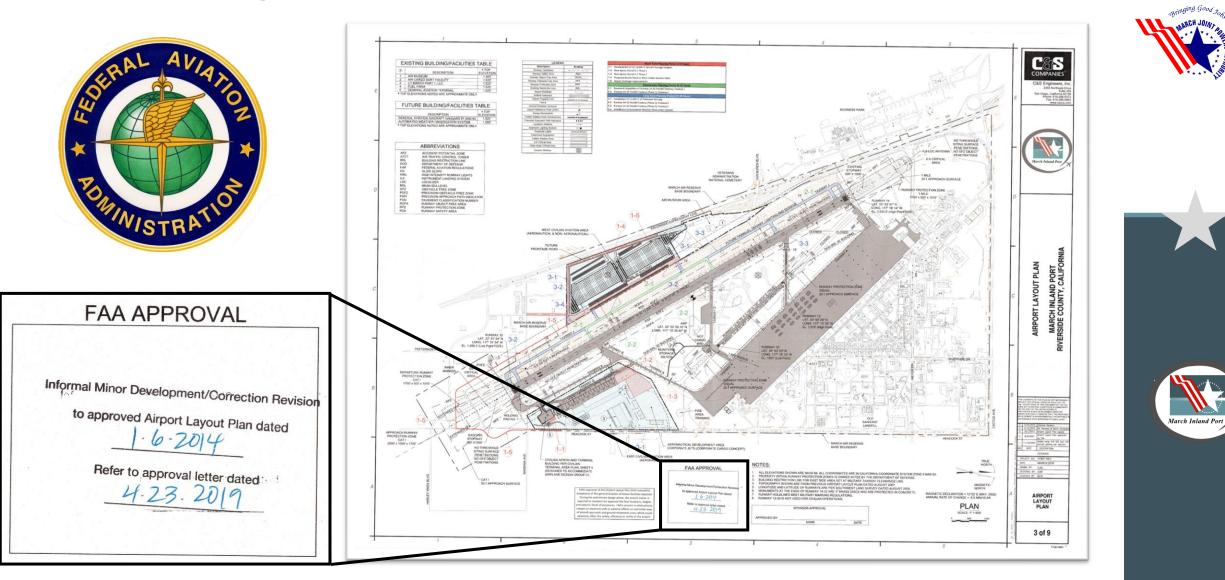


## Process Flowchart/Schedule



#### Timeline & Outreach Meetings

## **Oversight and Approval**





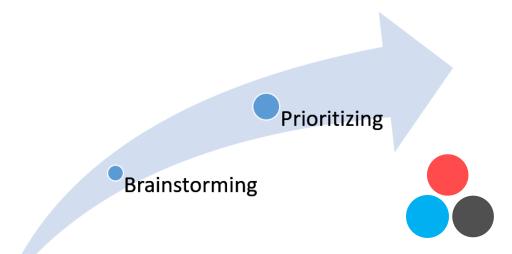








# Idea Generation Process



Ground Rules

- Discuss selected breakout question
- ~10-15 minutes, then review next question!
- Groups will need a scribe and someone to report out to the larger group.
- The whole group will vote for the ideas and strategies that most resonate with them using dot stickers.

#### Framework

Think about these 5 Airport Landscapes: Economic Vitality, Natural Resources Conservation, Operational Efficiency, Social Responsibility, Community Integration





## **Breakout Session Questions**

- 1. Where have you seen success so far at the Airport?
- 2. What makes the Airport a leader/special?
- 3. Where would you like to see the Airport in 5-10 years? (Think Big!)
- 4. How can the airport provide value to the community in the future?









# Where have you seen success so far at the Airport?



#### **Report Out**











## What makes the Airport a leader/special?



#### **Report Out**























## Where would you like to see the Airport in 5-10 years? (Think Big!)



#### **Report Out**















#### **Report Out**









### Dot Polling

echnical peration 8 Workload Tools !!! • How To - Library Control per Consider budget, value, schedule - Consider budget, value, schedule - Manning + Engineering - More concerted plan for it - record - record Knowledge Transfer Sessions - Who will lead? Talk to Joni Christen - Recycle post sessions • New stable ... Improve Onboarding! - centralize all how to's ... · Plan early for intern tasks \_ ENC/PLN cross utilization







## Wrap Up

• Thank You!









**PAC** Meeting 3 Presentation





# Project Advisory Committee (PAC) Meeting

Airport Master Plan March Inland Port Airport July 26, 2023



# <u>Agenda</u>

- 1. Introductions (Project Team)
- 2. Master Plan Process and PAC Role
- 3. Facility Requirements
- 4. Preliminary Alternative Concepts
- 5. Next Steps







## Project Team

#### **March Joint Powers Authority**

Dr. Grace L. Martin, Executive Director

Gary Gosliga, Airport Director, MIPAA

Dan Fairbanks, AICP, Planning Director

Jeffrey M. Smith, AICP, Principal Planner

Lauren Sotelo, Senior Planner

Carlos Orellana, Operations Manager, MIPAA

#### **Consultant Team**

Marc Champigny, Kelly Moulton







#### **Introductions**

- Name
- Organization
- What is important to you about this master plan process?





## What is a Master Plan?

Blueprint for long-term
 development









## Master Plan Purpose

 Determine the extent, type, and schedule of development needed for the next 20 years

#### To understand and document:

- Issues, opportunities, and constraints of the Airport
- National and local aviation trends
- Infrastructure needs and funding sources
- Estimate of costs and schedules
- Meet current FAA design standards, update ALP to reflect existing conditions, revise projections of airport activity, and meet environmental and other regulatory requirements





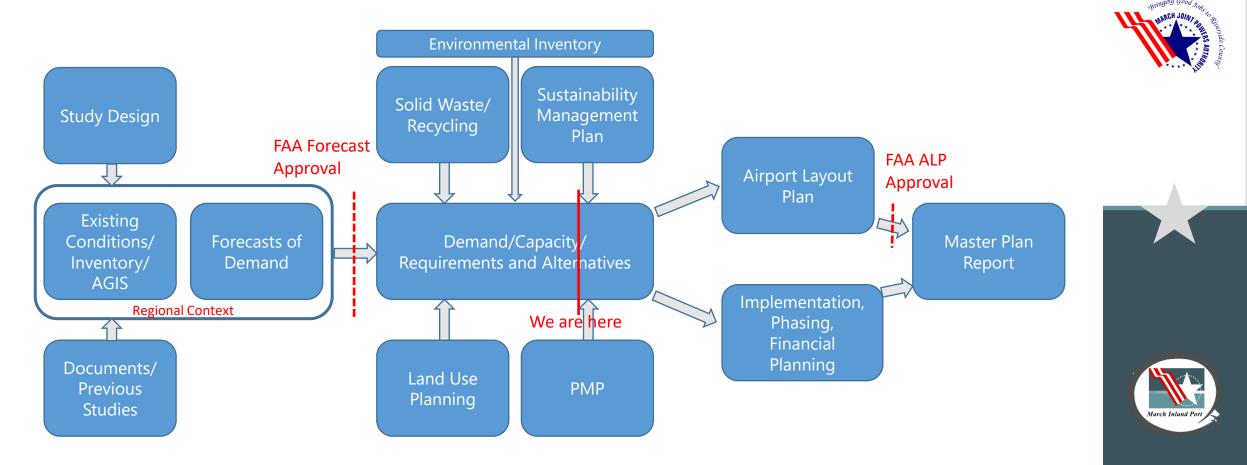


# What role do you play?

 Mission: "To provide input and feedback during preparation of the March Inland Port Airport Authority Master Plan, reviewing concepts and alternatives as they are developed and serving as a representative voice of community and stakeholders."

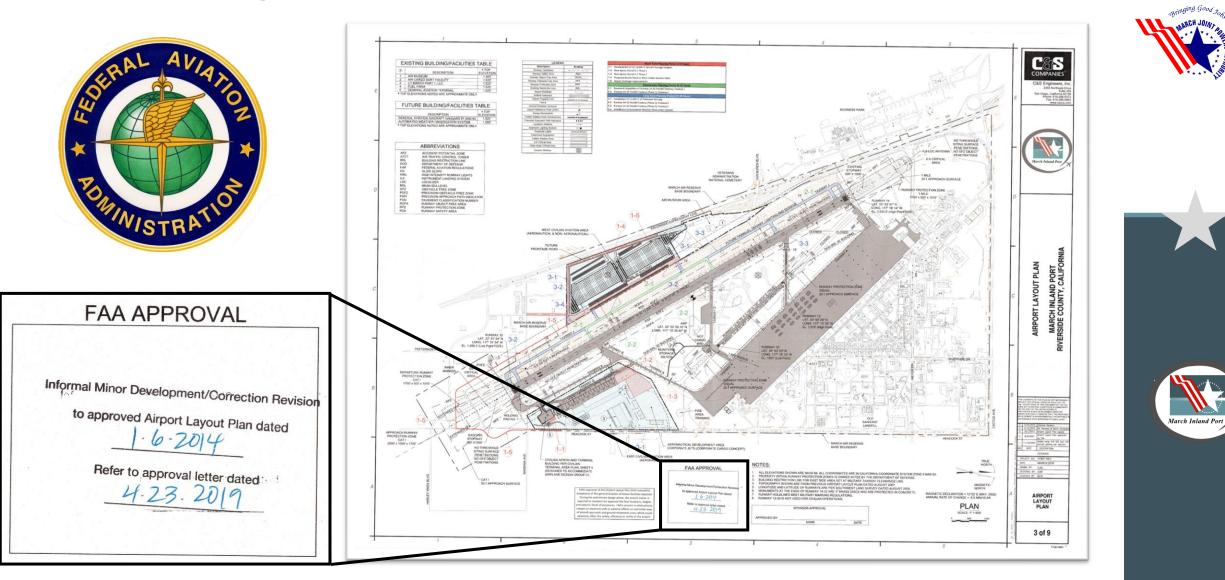


## Process Flowchart/Schedule



#### Timeline & Outreach Meetings

## **Oversight and Approval**



# **Facility Requirements**

- Determine the facility needs for the planning horizon.
- Based on demand, FAA design standards, capital maintenance needs, and the vision for RIV.
- Airside facilities
- Landside facilities
- Support facilities and infrastructure







#### Airfield Requirements



Project	Description	Source	
Weather Reporting	Install an ASOS	MJPA	
Instrument Approach Procedures	CAT II ILS	MJPA	
Taxiway Geometry	<ul> <li>Coordinate with military to address the following taxiway geometry issues:</li> <li>Wide expanse at Runway 32 end</li> <li>Wide expanse at Taxiway B and runway</li> <li>Runway 14 and 32 end taxiways are not at 90 degrees</li> <li>Middle three taxiways are not at 90 degrees</li> <li>Poor guidance for holding bay markings</li> </ul>	FAA	
TOFA	Maintain ADG V TOFA to protect for operations by large aircraft	FAA, MJPA	
Parallel Taxiway	Construct a parallel taxiway to support operations on Runway 14/32		
Pavement Maintenance	Begin a pavement maintenance schedule to address the areas noted in the PMP		
Runway Protection Zones	Work towards removing incompatible land uses within the RPZs		
Airfield Lighting	Install SMGCS to support operations in poor weather conditions		
Operations Limit	Explore increasing or removing the operations limit		
Night Flight Constraints	Explore widening the window during which cargo flights occur		



#### Access, Circulation, Parking, Facility and Landside Requirements



Project	Description	Source
Cargo Apron	Expansion will be required in mid-term to accommodate increased cargo operations and air-refueling operations	
Cargo Building	The Marhub facility will require expansion in the mid-term and additional facilities will need to be created in the long-term planning period	
Executive Terminal	Currently out of space. Would accommodate current demand if the MIPAA offices moved to a new location	
General Aviation Apron	Expansion of this apron is being pursued. There is insufficient space to accommodate the corporate jet traffic as well as a desire to separate aircraft and helicopters.	
General Aviation Hangar Storage	Continue to reserve area for future general aviation hangar development	
Passenger Terminal Building	A 50,800 SF terminal building is required in the short-term and a 74,500 SF terminal building is required in the long-term to handle the potential passenger service. This was the second highest ranking item voted on in the PAC meeting.	
Drainage Improvements	Drainage improvements needed along Heacock St.	MJPA
Customs Facility	Explore the possibility of adding U.S. Customs at the airfield to support international flights	PAC
Gas Line Improvements	Existing gas lines are approximately 100 years old. Consider replacing existing lines	MJPA

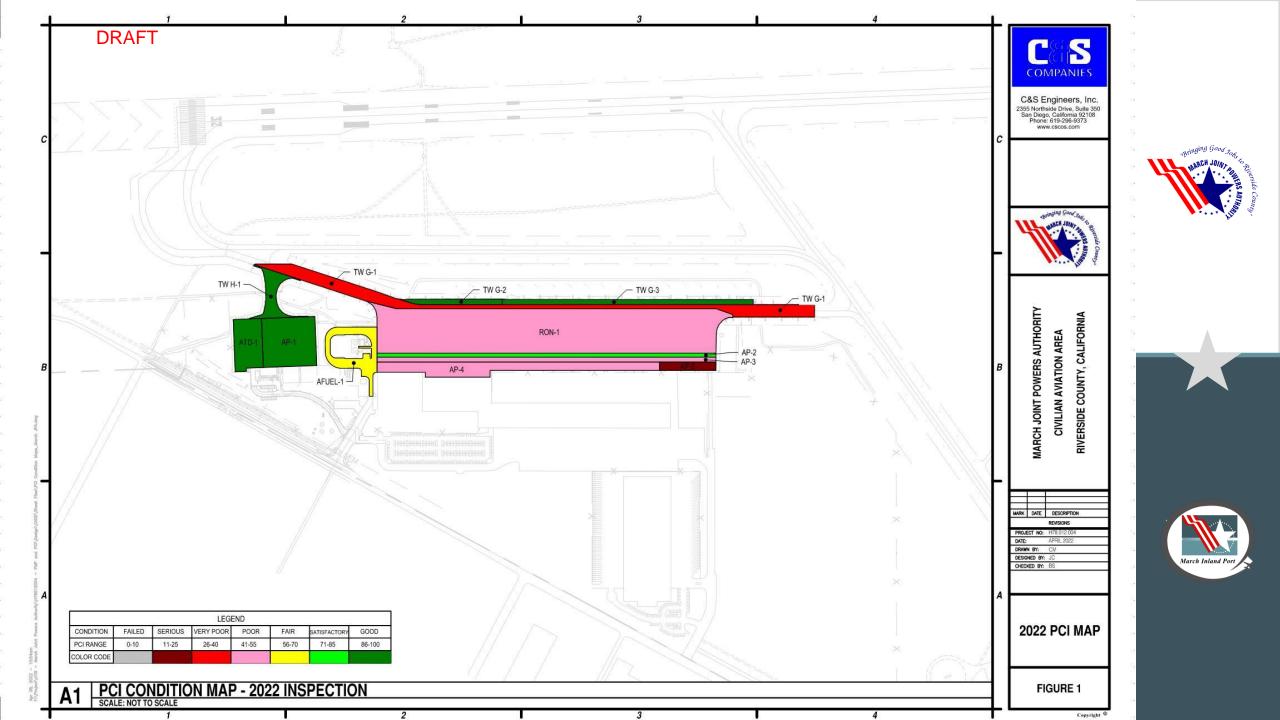


#### Airport Support Facility Requirements



Project	Description	Source
MIPAA Offices	Potentially relocate MIPAA offices to a stand-alone facility	MJPA
Fuel Storage	Existing Jet-A storage capacity is well below current demand. Recommend expansion to increase capacity to 1,400,000 gallons.	MJPA
Airport Maintenance Yard	Construct an airport maintenance yard to store MIPAA vehicles	MJPA
Airport Name Change	Rebrand the airport to increase visibility in the area	PAC
West Side Development	Considered development on the west side of the airfield near the museum	PAC
Community Outreach	Increase community outreach to get local population excited about aviation. Open a vocational school and develop partnerships with existing programs to offer education, internships, and field trips.	PAC
Increase Market	Expand services to support other sectors of aviation	PAC
Sustainable Aviation Fuel	Offer SAF at airport	PAC
AAM and EVTOL	Prepare to support potential future operations of AAM and EVTOL aircraft	PAC
Aircraft Maintenance, Repair, and Overhaul (MRO) facility	Provide MRO services at the airport	PAC
Public Service Facilities	Attract public services such as CalFire, LEO, and Lifeflight to construct facilities at the airport	PAC
Utility Resiliency	Consider solar power or micro grid to increase resiliency of airport power	PAC















#### **Alternatives Development & Evaluation**

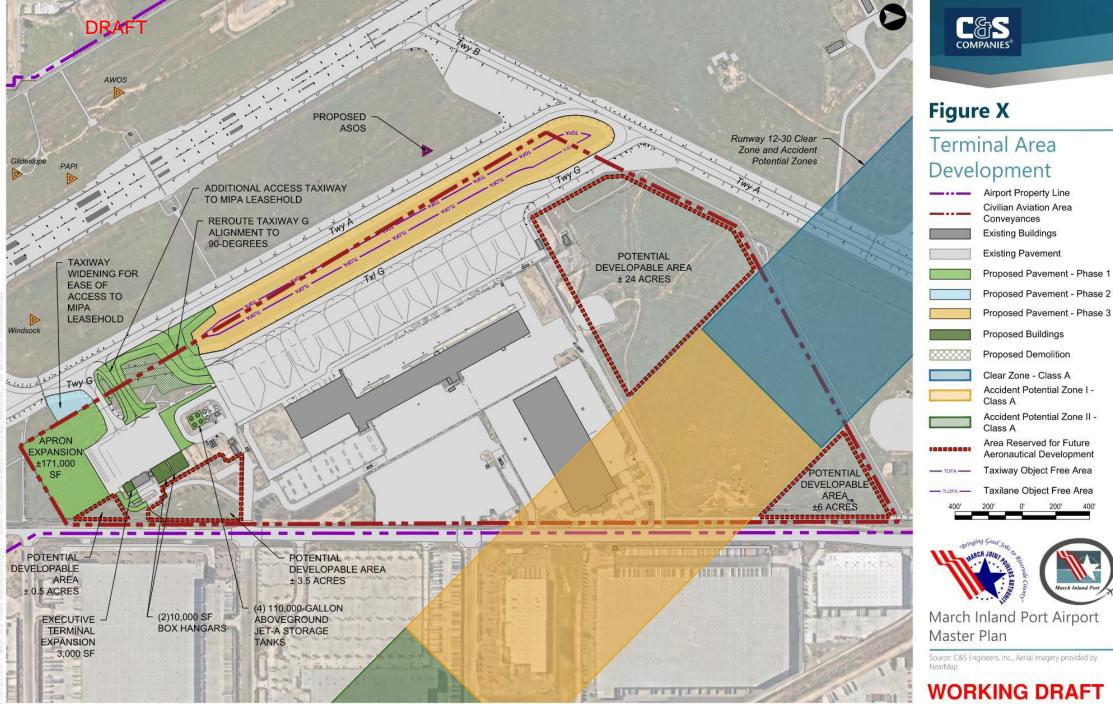
- Prepare and evaluate concepts for Airport development to accommodate future requirements
- Consider development alternatives
- Repurpose existing assets based on aviation demand
- Considerations:
  - Design standards
  - Environmental impacts
  - Cost
  - Capacity
  - Operational efficiency









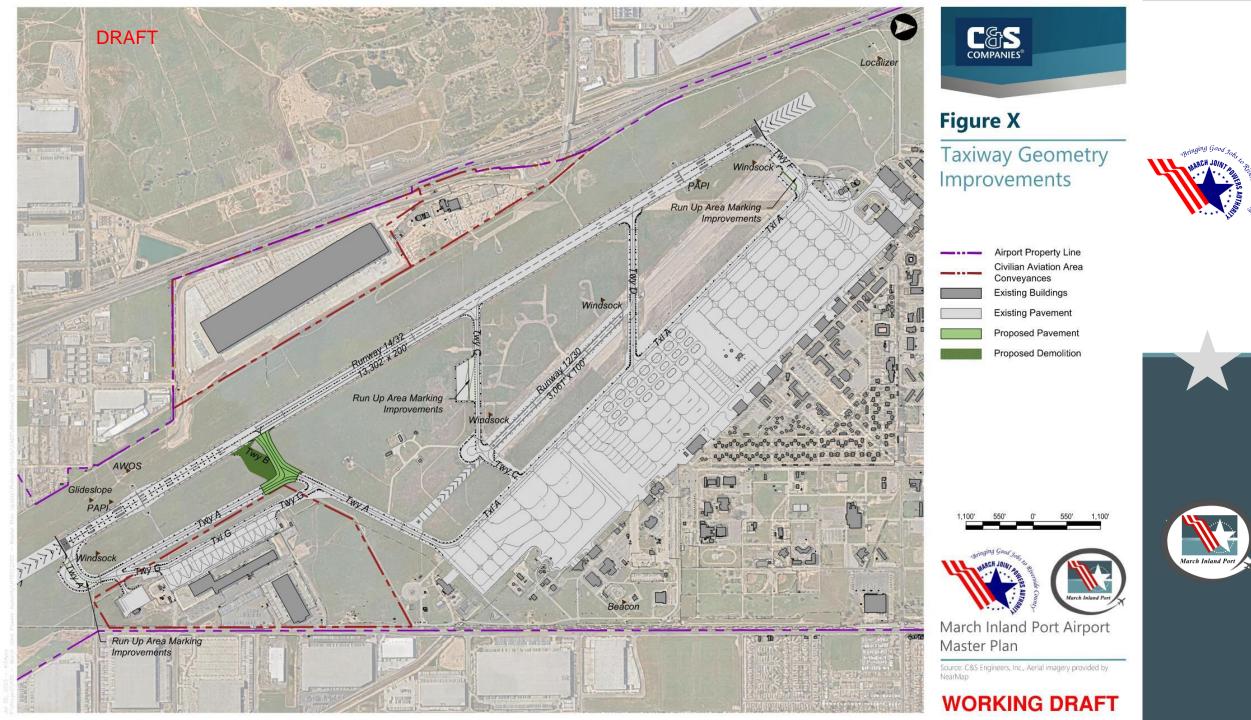


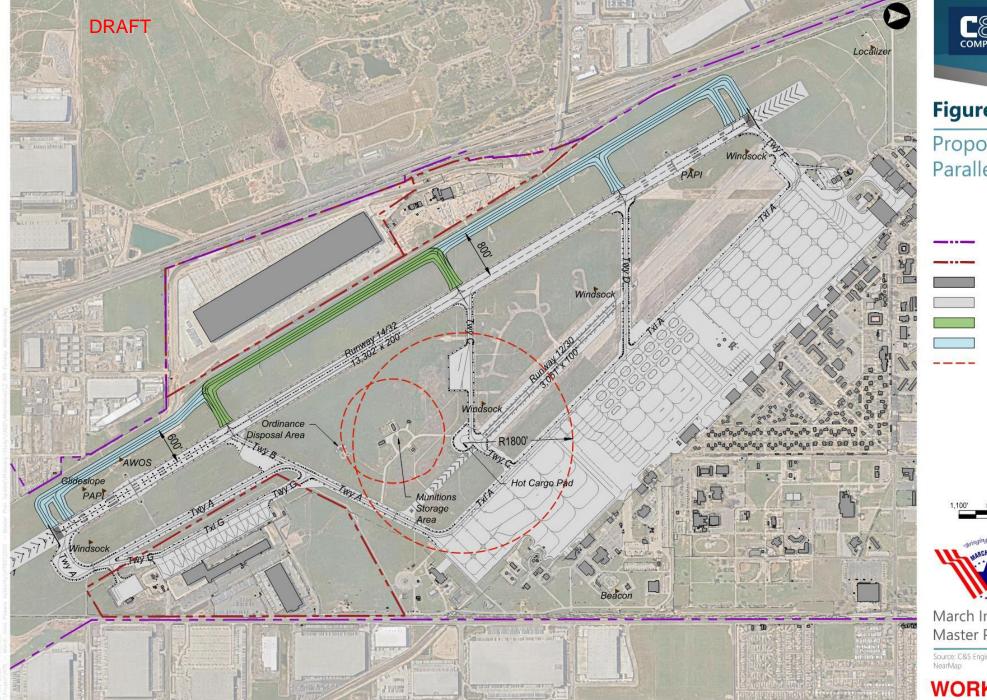


aringing Good



Source: C&S Engineers, Inc., Aerial imagery provided by







#### **Figure X**

Proposed West Side Parallel Taxiway



Airport Property Line **Civilian Aviation Area** Conveyances Existing Buildings Existing Pavement Proposed Pavement - Phase 1 Proposed Pavement - Phase 2 Hazardous Cargo and Explosive Safety Clearances



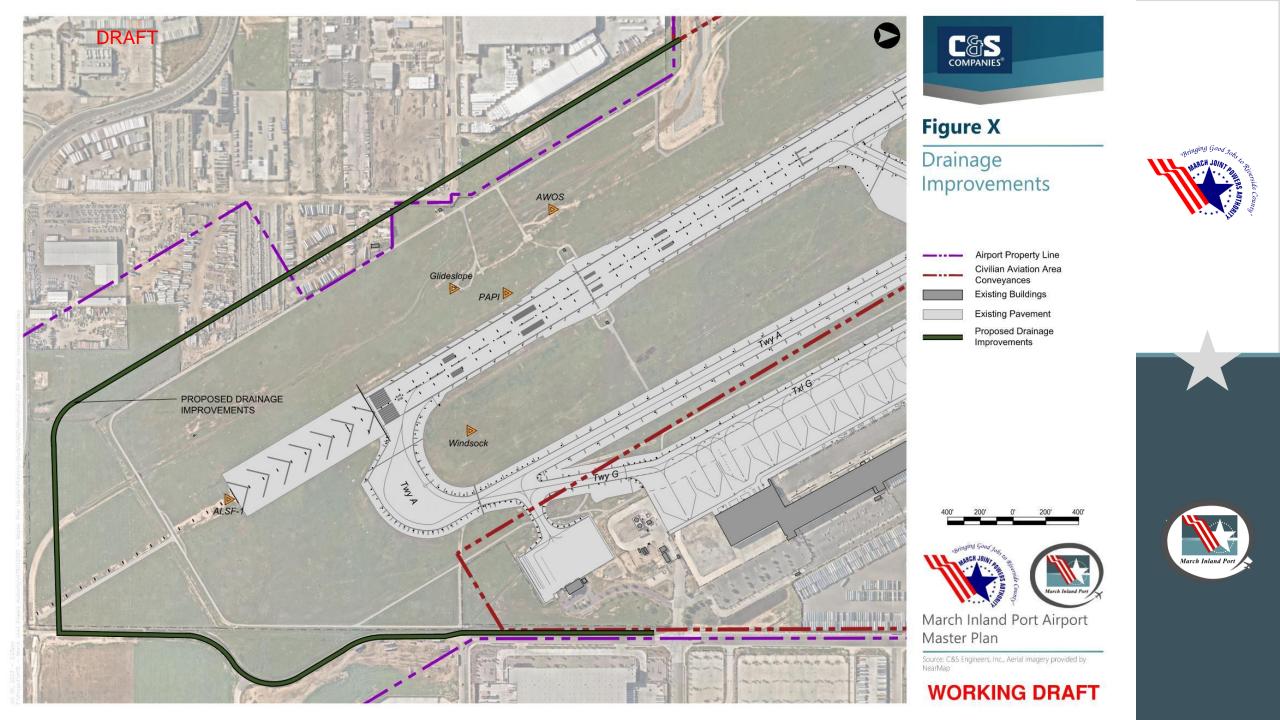


March Inland Port

March Inland Port Airport Master Plan

Source: C&S Engineers, Inc., Aerial imagery provided by NearMap

#### **WORKING DRAFT**



#### DRAFT

#### **Implementation**, Phasing & Funding

- Define individual development projects
- Develop the implementation schedule, cost estimates, and the Capital Improvement Program (CIP)
- Determine airport development schedule
  - 5-year CIP (short-term development)
  - Intermediate & long-term development plan
- Collect, organize, and analyze historical financial documents
- Identify funding sources for proposed projects





DRAFT



# What does RIV want to be known for in the next 5 – 10 years?









• Imagine TEN years into the future at RIV...

•

- How can you capture your plans and hopes for the airport in a headline?
- What kinds of headlines do you hope to see about the airport in the future?
- What are your priorities at RIV?
- What are the community's priorities?
- What makes RIV unlike any other airport in the world?
- How can RIV best serve its users?







# Which headline most resonates?







03.

#### **STEP 2: Visioning- Priorities**



01.

02.



05.

- Goals
  - What are 5 goals that will help move RIV towards achieving that headline?
  - What do you want the STORY OF RIV to look like in the future?





DRAFT

#### Next Steps

- Continue development of plan
- Prepare draft airport master plan report
- Prepare draft airport layout plan set
- PAC Meeting #4 TBD
- Goal is to complete by December 2023







**Community Meeting Boards** 

DRAFT









# Welcome!

Community Meeting March Inland Port Airport September 7, 2023

Be sure to sign in and take a comment card



## **March Inland Port Airport**

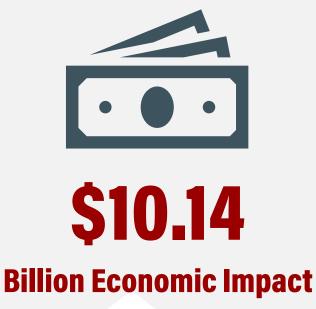


## **Draft Economic Impact Study**

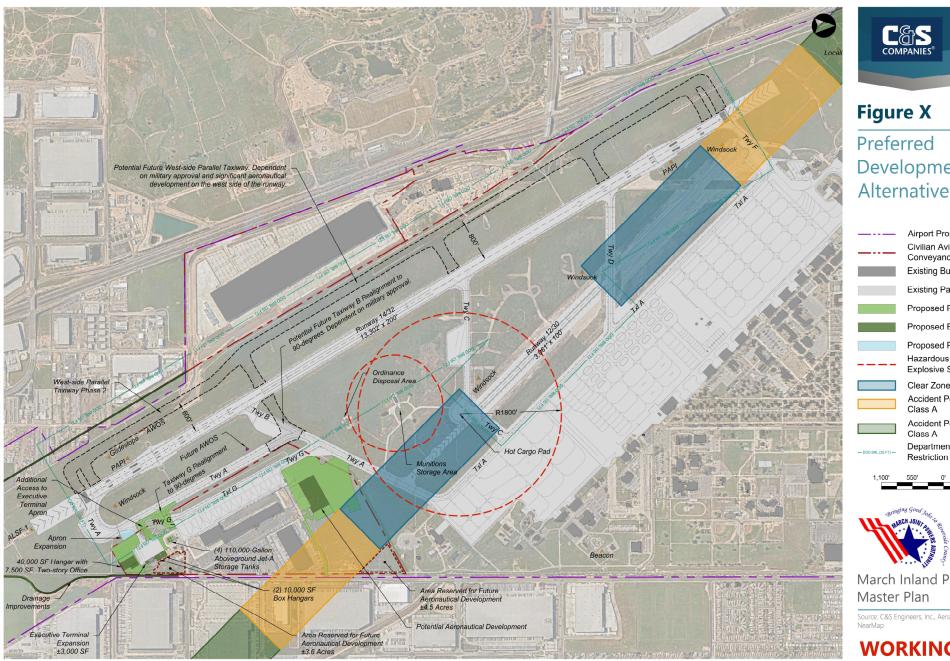


**Current Development in March JPA and March ARB in 2023** 



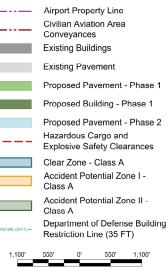


Source: MJPA Economic Impact Analysis Study





#### **Figure X** Preferred Development





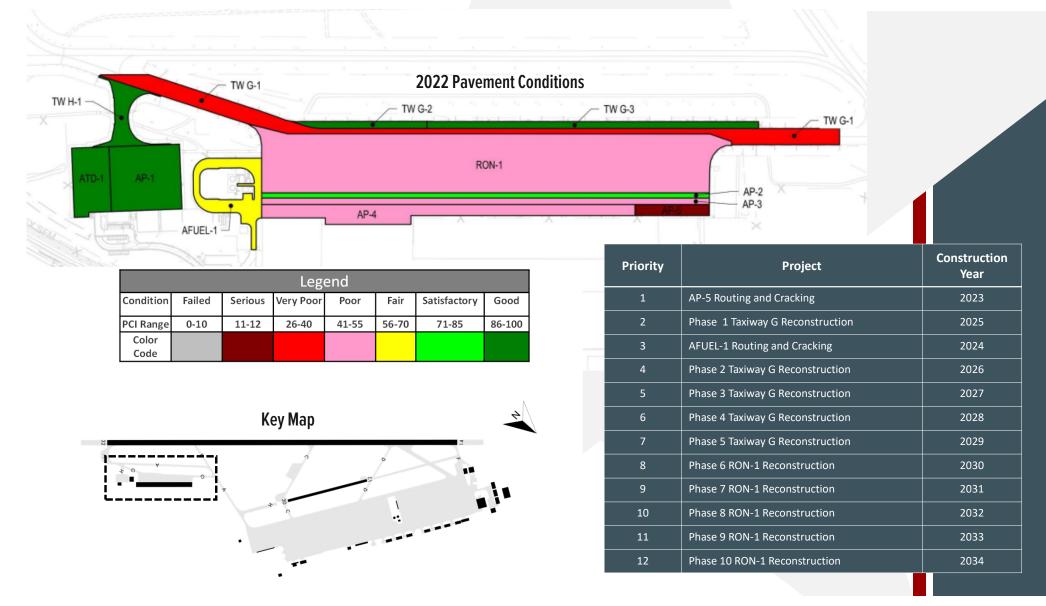
March Inland Port Airport Master Plan

Source: C&S Engineers, Inc., Aerial imagery provided by NearMap

#### **WORKING DRAFT**

#### **Pavement Management Plan**







## **Thank you for attending!**

Don't forget to leave your completed comment card







**Community Meeting Notice** 



# March Inland Port Airport Authority

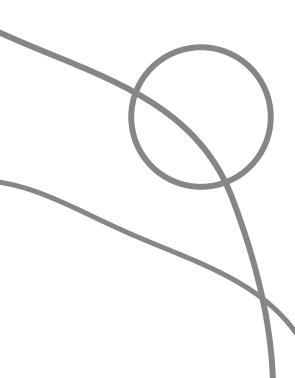


# Community Meeting





14205 Meridian Parkway, Riverside, CA 92518 (WMWD Training Room, Suite 120)



Join us to learn more about the March Inland Port Airport. Learn about the civilian operation of the airport, its economic impact to the region and the long range plans.

https://marchjpa.com/march-inland-port-airport/