

# Killeen-Fort Hood

REGIONAL AIRPORT

## AIRPORT MASTER PLAN



# Master Plan Consulting Team

- Aviation Planning
- Terminal Planning
- Commercial Area Development
- Airport Financial Planning
- Parking Evaluation





# Collaboration and Input

## Executive Committee

- Councilwoman Shirley Fleming
- Councilman Jim Kilpatrick
- Col. Henry C. Perry
- Mr. John Crutchfield
- Matthew Van Valkenburgh
- Jim Livingston
- Mike Wilson

## Advisory Committee

- Jennifer Escobedo (Tenant)
- Dr. Ross Porter(TAMU-CC)
- Jim Yeonopolus (CTC)
- Keith Sledd (HOTDA)
- Ken Cox (Central TX Workforce)
- Thomas Kirk (Killeen ISD)
- Gina Pence (HH Chamber)
- Gordon Browning (Copperas Cove)
- Tony McIlwain (CoK Planning)
- Johnny Warren (Fort Hood/ADO)
- Sheldon Williams (TSA)
- Frank Van Zanden (AAL)



# Collaboration and Input

## Public Involvement

- Executive Committee
- Advisory Committee
- Public Meetings
- City Council Briefings

## Three Public Meetings

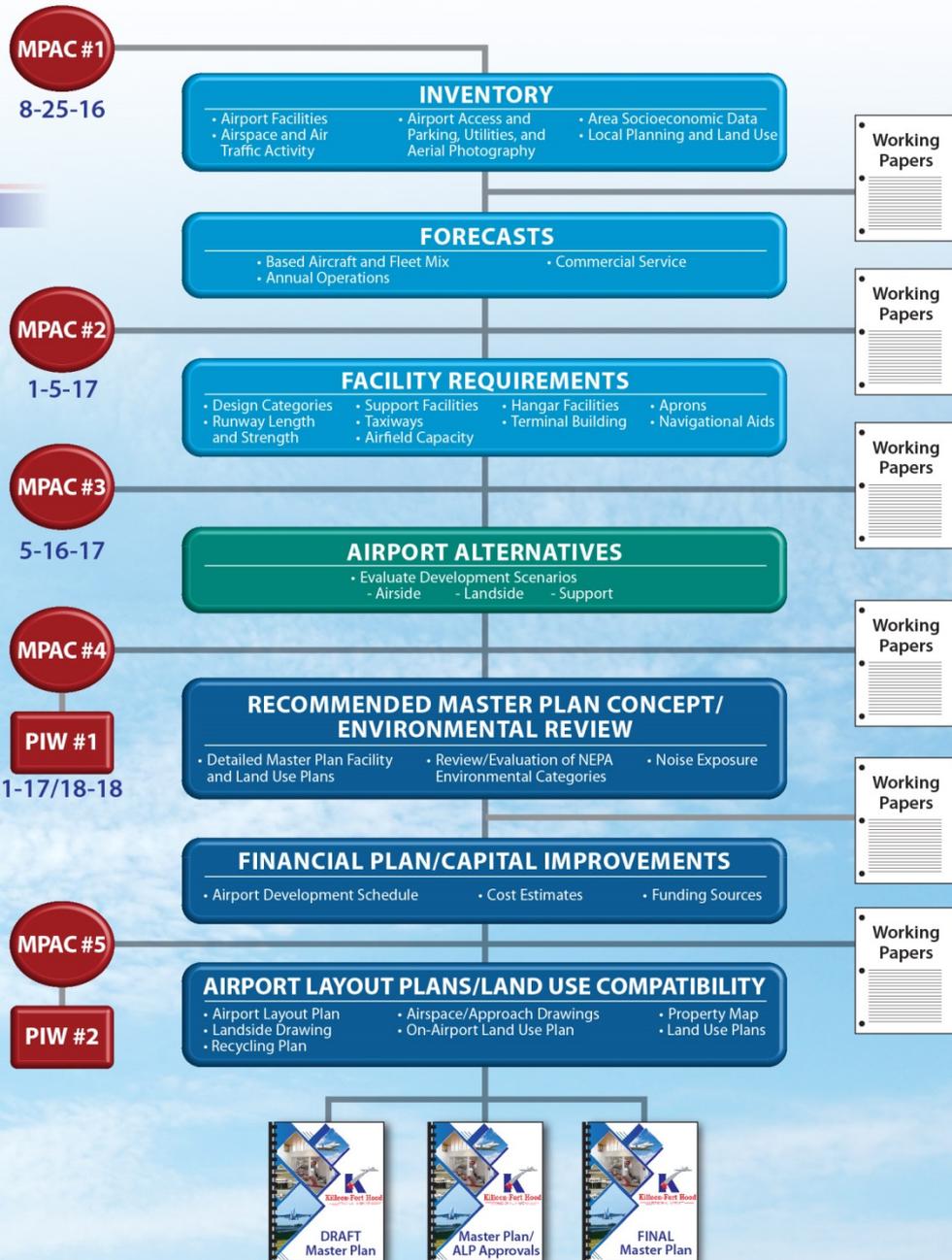
- January 17 – Killeen
- January 18 - Copperas Cove
- January 18 - Harker Heights
- Displayed Exhibits
- Q&A
- Recorded Verbal Comments
- Comment Cards and Website response page



# Killeen-Fort Hood REGIONAL AIRPORT

## AIRPORT MASTER PLAN

# Master Plan Project Flow





# Airport Inventory

- SWOT Analysis
- Airport Location
- Development History
- Airport Facilities
  - Airside
  - Landside
- Operating Environment
- Service Area
- Local Land-Use Planning and Zoning
- Local/Regional Socioeconomics
- Airport Access



# Airport Aviation Forecasts

- Historical Study of Use
  - Aircraft, Airlines, Enplanements
- Commercial Service
- Annual Operations
- Fleet Mix
- Short-, Mid-, Long-Range





## AIRPORT MASTER PLAN

### GRK Top Twenty Destinations 2010 and 2016

#### KILLEEN-FT HOOD REGIONAL TOP TWENTY DESTINATIONS



#### 2010 Top Twenty Destinations

- Atlanta, GA (ATL)
- Washington D.C./Baltimore (BWI)
- Seattle, WA (SEA)
- Washington D.C. (DCA)
- Orlando, FL (MCO)
- El Paso, TX (ELP)
- Richmond, VA (RIC)
- Fayetteville, NC (FAY)
- Raleigh/Durham, NC (RDU)
- Kansas City, MO (MCI)
- Philadelphia, PA (PHL)
- Boston, MA (BOS)
- Charlotte, NC (CLT)
- Colorado Springs, CO (COS)
- Detroit, MI (DTW)
- Nashville, TN (BNA)
- Tampa, FL (TPA)
- Dallas, TX (DFW)
- San Juan, PR (SJU)
- Chicago, IL (ORD)

#### 2016\* Top Twenty Destinations

- Atlanta, GA (ATL)
- Washington D.C./Baltimore (BWI)
- Las Vegas, NV (LAS)
- Orlando, FL (MCO)
- Dallas, TX (DFW)
- Seattle, WA (SEA)
- New York, NY (LGA)
- Philadelphia, PA (PHL)
- Washington D.C. (DCA)
- Chicago, IL (ORD)
- El Paso, TX (ELP)
- Louisville, KY (SDF)
- Raleigh/Durham, NC (RDU)
- Phoenix, AZ (PHX)
- Nashville, TN (BNA)
- Richmond, VA (RIC)
- Colorado Springs, CO (COS)
- Charlotte, NC (CLT)
- San Diego, CA (SAN)
- Detroit, MI (DTW)

\* 3rd quarter 2015 through 2nd quarter 2016  
Source: Bureau of Transportation Statistics (BTS), Origin-Destination Survey of Airline Passenger Traffic (DB1B)

### Forecast Summary

FORECAST CATEGORY	BASE YEAR	2021	2026	2036
<b>PASSENGER ENPLANEMENTS</b>				
Civilian Airline Passenger Enplanements				
Regularly Scheduled	135,345	147,000	161,000	196,000
Charter	663	1,200	1,500	2,000
<b>Total Civilian Enplanements</b>	<b>136,008</b>	<b>148,200</b>	<b>162,500</b>	<b>198,000</b>
Military Charter Enplanements	32,182	29,000	29,000	29,000
<b>TOTAL AIRPORT ENPLANEMENTS</b>	<b>168,190</b>	<b>177,200</b>	<b>191,500</b>	<b>227,000</b>
<b>AIRCRAFT OPERATIONS</b>				
<i>Itinerant Operations</i>				
Commercial Passenger Airline				
Air Carrier (60 seats or more)	2,644	4,414	5,508	6,568
Air Taxi (Less than 60 seats)	4,842	2,206	906	0
<b>Total Airline</b>	<b>7,486</b>	<b>6,620</b>	<b>6,414</b>	<b>6,568</b>
Other Air Taxi	2,264	2,300	2,500	3,000
General Aviation	2,270	2,670	3,140	4,345
Military	21,881	23,700	23,700	23,700
<b>Total Itinerant Operations</b>	<b>33,901</b>	<b>35,290</b>	<b>35,754</b>	<b>37,613</b>
<i>Local Operations</i>				
General Aviation	0	0	0	0
Military	34,500	30,800	30,800	30,800
<b>Total Local Operations</b>	<b>34,500</b>	<b>30,800</b>	<b>30,800</b>	<b>30,800</b>
<b>TOTAL AIRPORT OPERATIONS</b>	<b>68,401</b>	<b>66,090</b>	<b>66,554</b>	<b>68,413</b>
<b>BASED GENERAL AVIATION AIRCRAFT</b>				
Turboprop	0	2	3	6
Turbojet	0	0	1	4
<b>TOTAL BASED AIRCRAFT</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>10</b>





# Airport Facility Requirements

- In Concert with Forecasts
- FAA Design Criteria
- Runway Length / Strength
- Taxiway Widths / Strengths
- Aprons
- Terminal Facilities
- Support Facilities
- Hangar Requirements





# Airport Alternatives

- Alternative Options
  - Airside
    - Runway / Taxiway / Navigational Aids
  - Landside
    - Terminal
    - Terminal Accessories (emergency power, etc)
  - Support
    - Maintenance
    - Parking
  - Tenant
    - Rental Car Improvements



# Next Steps

- Public Review of Alternatives
- Collect Comments
- Selection of Preferred Alternative
- Financial Analysis

