

*October 5, 2011*

**NUT  
TREE**



**AIRPORT**

Solano County

# Nut Tree Airport

Master Plan Update

# Greetings and Round Table Introductions



**AIRPORT**

Solano County

# Agenda – Session #4

1. **Greetings and Round Table Introductions** – Dave Daly, Airport Manager. (10 Min)
2. **Airport Master Plan Overview, the Update Process and Progress to Date** – Dave Daly, Airport Manager; Peter Van Pelt, Barnard Dunkelberg & Company (Airport Master Plan Consultant). (15 Min)
3. **Presentation of Master Plan Alternatives** – Dave Daly, Airport Manager; Peter Van Pelt, Barnard Dunkelberg & Company. (20 Min)
4. **Round Table Review and Discussions on Remaining Master Plan Alternatives** – All. (30 Min)
5. **Feedback and Comments from Round Table Discussions** – Dave Daly, Airport Manager. (30 Min)
6. **Summary and Next Steps** – Dave Daly, Airport Manager. (15 Min)



**AIRPORT**

Solano County

# Airport Master Plan Overview, the Update Process, and Progress to Date



# Airport Dates and Stats

- ⇒ Privately Constructed in 1955
- ⇒ Owned by Solano County since 1969
- ⇒ 286 Acres
- ⇒ 4,700 foot Runway
- ⇒ 198 Based Aircraft
- ⇒ 117 Aircraft Hangars
- ⇒ Home to nine business operators
- ⇒ 101,500 Annual Aircraft Operations



# Estimated Airport Economic Values – 2010/11

• Hangar & Aircraft Taxes:	\$267,900
• State Fuel Taxes:	\$32,100
• Fed Fuel Taxes:	\$44,900
• CA Fuel Sales Taxes:	<u>\$28,300</u>
Total:	\$373,200

• Gross Value of all Rents:	\$466,300	
• Gross Value of Services:	\$2,450,000*	(9 Businesses)
• Gross Value of Jobs:	<u>\$960,000</u>	(24 Jobs)
Total:	\$3,876,300	

\*Not including Solano County Airport Services or Operations



# What is an Airport Master Plan?

- Evaluates Short and Long-Term Aviation Activity and Demand on the Airport Facility
- A Short and Long-Term Airport Capital Facilities / Infrastructure Plan
- Not a Business Plan, Economic Development Plan or an Environmental Analysis
- Generally Identifies Aviation and Non-Aviation Development Areas
- Basis for Airport to receive FAA Funding for Capital Facilities



**AIRPORT**

Solano County

# What are Airport Capital Facilities ?

- ⇒ Runway or Taxiway Lights and Electrical Systems
- ⇒ A New Automated Weather Station
- ⇒ Pavement Marking and Striping
- ⇒ Communication Relay Equipment
- ⇒ Landing Approach Indicators
- ⇒ Runway Safety Area Improvement
- ⇒ Runway or Taxiway Rehabilitation
- ⇒ New Wind Direction Indicators
- ⇒ Runway Shifting or Extension
- ⇒ Drainage Systems and Sewer and Water Utilities
- ⇒ Airport Buildings and Aircraft Hangars
- ⇒ Runway & Taxiway Identifiers



**AIRPORT**

Solano County



# Master Plan Process and Progress to Date

- ⇒ Three Workshop Sessions held: May, August & Dec, 2010
- ⇒ Airport Facilities Inventory and Forecasts (Session #1)
- ⇒ Capacity Analysis and Facility Requirements (Session #2)
- ⇒ Evaluation of Runway Alternatives (Session #3)
- ⇒ Workshop Session on Remaining Alternatives (Session #4)
- ⇒ Locating Aviation and Non-Aviation Development Areas (Session #4)
- ⇒ *Land Use Compatibility Zone Evaluation*
- ⇒ *Board of Supervisors Direction Re. Alternatives*



# Runway Alternatives

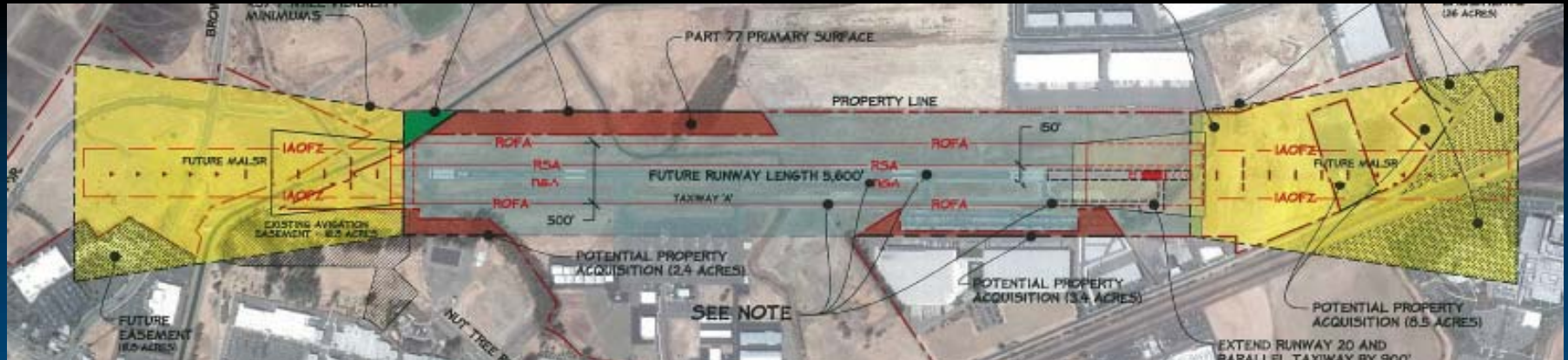
- ⇒ 1 – No Improvements
- ⇒ 2 – Shift the Runway 180' to Satisfy FAA Standards
- ⇒ 3 – Shift Runway 180' and Reserve Area for Possible Long-Term (2030 – 2032) Runway Extension
- ⇒ 4 – Extend Runway & Increase Instrument Approach
- ⇒ 5 – Extend Runway to Maximize Precision Instrument Approaches



**AIRPORT**

Solano County

# Alternative 5 (no longer under consideration)



# Alternative 4 (no longer under consideration)



# Presentation of Airport Master Plan Alternatives 2 and 3



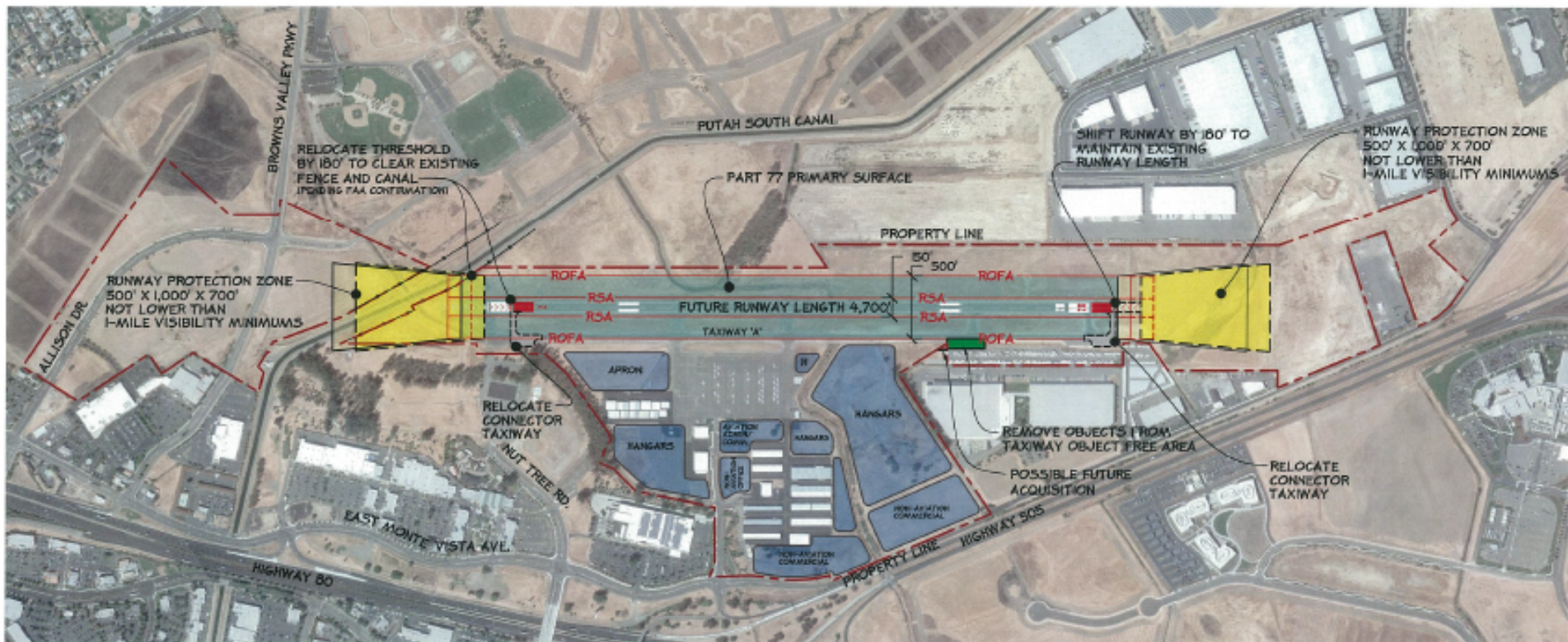


# Alternative 2 – Shift the Runway 180' North for FAA Compliance (Phase I: 2014 – 2016)

PHASE I: 2014–2016

RUNWAY **ALTERNATIVE 2** – SHIFT THE RUNWAY 180' NORTH FOR FAA COMPLIANCE

THE Barnard Dunkelberg >> Company TEAM



# Alternative 2

## Major Considerations

- ➔ Satisfies FAA Object Free Standards
- ➔ Identifies Aviation and Non-Aviation Development Areas
- ➔ Retains Existing Runway Length and Visibility Minimums
- ➔ Does not plan or preserve area for any additional Runway length
- ➔ No allowance for safety considerations Re. additional runway length



**AIRPORT**

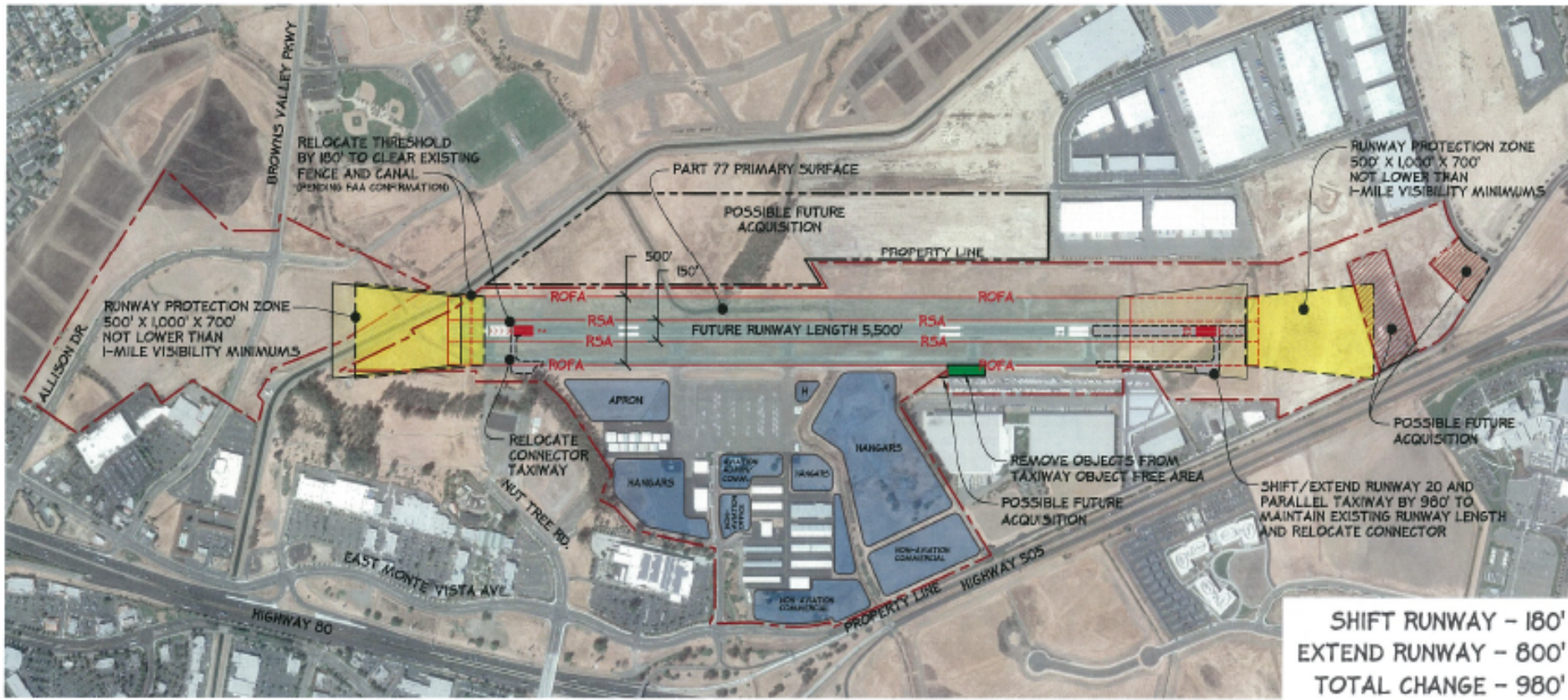
Solano County



# Alternative 3 – Shift and Reserve Area for Long-Term Runway Extension (Phase II: 2030 – 2032)

## PHASE II: RESERVE AREA (2030-2032)

RUNWAY **ALTERNATIVE 3** – SHIFT & RESERVE AREA FOR RUNWAY EXTENSION (LONG-TERM) TO 5,500'



# Alternative 3

## Major Considerations

- ⇒ Satisfies FAA Object Free Standards
- ⇒ Retains Existing Visibility Minimums
- ⇒ Identifies Aviation and Non-Aviation Development Areas
- ⇒ Plans and Reserves Area for Possible Long-Term Runway Extension (2030 – 2032)
- ⇒ Allowance provided for safety considerations Re. additional runway length



**AIRPORT**

Solano County



# Round Table Review and Discussions

- A – Runway Alternatives 2 & 3**
- B – Aviation and Non-Aviation Development Areas**
- C – Capital Facilities**



**AIRPORT**

Solano County

# Feedback and Comments from Round Table Discussions



# Next Steps

- ⇒ Land Use Compatibility Zone Evaluation
- ⇒ Airport Advisory Committee – Oct / Nov 2011
- ⇒ Direction by Board of Supervisors – Jan / Feb 2012
- ⇒ Environmental Analysis – July 2012  
*(further opportunity for public participation and comment during the evaluation of the Master Plan)*
- ⇒ Master Plan Action by Board of Supervisors – August 2012
- ⇒ Design Guidelines, Business and Economic Development Plan – August 2012



**AIRPORT**

Solano County

*October 5, 2011*



**Dave Daly, Airport Manager**  
**Nut Tree Airport, Solano County**  
**General Services Dept.**  
**301 County Airport Road**  
**Suite 205**  
**Vacaville, CA 95688**  
**(707) 469-4600**

**Nut Tree Airport**

*Thank You!*

# Project Contact Information

## ⇒ Dave Daly, Airport Manager

- Nut Tree Airport  
Solano County, General Services Dept.  
301 County Airport Road Suite 205  
Vacaville, CA 95688
- (707) 469-4600

