



## County of Yolo

www.yolocounty.org

To: Supervisor Don Saylor, Chair  
and Members of the Board of Supervisors

### Consent-General Government # 10.

#### Board of Supervisors Meeting

#### County Administrator

**Meeting Date:** 01/28/2014

**Brief Title:** Airport Capital Improvement Program and Grant Application Submittal to FAA

**From:** Mindi Nunes, Deputy County Administrator

**Staff Contact:** Wes Ervin, Airport Manager, County Administrator's Office, x8066

---

### Information

#### Subject

Authorize submittal of 2014-2019 Airport Capital Improvement Program and 2014 grant application for \$106,500 to the Federal Aviation Administration for an Airport Layout Plan update and perimeter fencing design; authorize the County Administrator to execute the grant agreement and implement the grant if awarded; and authorize the County Administrator to apply to Caltrans for matching funds, accept grant funds, execute the grant and sign all documents as needed. (No general fund impact) (Nunes/Ervin)

#### Recommended Action

- A. Authorize submittal of 2014-2019 Airport Capital Improvement Program;
- B. Authorize submittal of 2014 grant application for \$106,500 to the Federal Aviation Administration for Airport Layout Plan revisions and perimeter fencing design;
- C. Authorize the County Administrator to execute the grant agreement and implement the grant if awarded; and
- D. Authorize the County Administrator to apply to Caltrans Aeronautics Division for matching funds, accept grant funds, execute the grant and sign all documents as needed.

#### Strategic Plan Goal(s)

Provide fiscally sound, dynamic and responsive services  
Champion job creation and economic opportunities

#### Reason for Recommended Action/Background

The annual Federal Aviation Administration (FAA) grant approval process requires all grant requests to be compliant with the County's Airport Capital Improvement Program (ACIP). The projects in this 2014-2019 ACIP are consistent with the adopted Airport Master Plan and Environmental Impact Review (EIR), the Yolo County General Plan, and other approved Airport planning documents.

The 2014-2019 ACIP submittal uses limited available FAA funding as effectively as possible and advances the County's priority of top quality and sustainable Airport facilities and infrastructure. The FAA entitles the county to apply for \$150,000 per year plus any unused funding from prior years. For 2014, the County can apply for up to \$300,000. In addition, FAA has discretionary funds for major

projects, but most FAA discretionary funds are programmed for runway safety projects at large airports and will not be available until 2015 or later.

This ACIP will advance two important Airport projects in 2014:

1. Preparing Airport Layout Plan drawings preparatory to the design of drainage ponds and other structures necessary to accommodate future development.
2. Designing airport perimeter fencing as our most important security improvement, preparatory to construction in 2015.

#### Airport Layout Plan

As of October 2013 FAA is requiring an Airport Layout Plan (ALP) update as a prerequisite to seeking FAA funds for on-airport drainage improvements. Specifically, the ALP must show the location of proposed detention ponds and other drainage structures. Developing an updated ALP typically takes 9 months to a year which means most of our other planned capital projects will be delayed by one year.

#### Perimeter Fencing

In the last year our airport tenants have become increasingly concerned about unauthorized vehicles and pedestrians in hangar, taxiway and runway areas. Such incursions are causing a nuisance to our tenants. Our most active tenants have requested gates and have an informal "neighborhood watch" program to approach trespassing vehicles and film them. The Sheriff has been called on two occasions. Perimeter fencing is also recommended by the FAA at general aviation airports as a critical security measure against theft, vandalism, and unauthorized incursions on the runways and taxiways. Other airports in the region that are urban and/or provide similar services (Fuel, repair, concierge, etc.) are fully fenced. While fencing has been an expected future project on our ALP for many years, we have not included perimeter fencing on our previous ACIP project lists until now. While we wait for drainage design we can proceed now with perimeter fencing, which will not create new impervious surface.

#### FAA's Evaluation and grant process

FAA uses a nationwide point system as part of its process for determining how they allow their funds to be used. Priority funding goes to runway and safety improvements, taxiway improvements, and apron improvements in that order. FAA funds drainage improvements when needed to ensure that the priority areas and future development areas of an airport do not flood. In order to move forward with other airport development, we need to know exactly what drainage facilities must be built to ensure that development does not increase its contribution to flooding downstream, particularly in the nearby Rolling Acres subdivision.

FAA has a lengthy annual grant review and approval process that involves several deadlines throughout the year. As the year proceeds, final funding may differ somewhat from the initial application. This Board letter requests Board approval of the entire grant process:

- January File 5-year Airport Capital Improvement Program (due Jan 31, 2014)
- Early Feb Verbal funding & eligibility discussions with FAA
- February File grant application with estimated project amounts
- May 1 Send FAA Notification of Intent to Use entitlements
- May FAA notifies if application is eligible
- June Request/receive authorization to advertise for any construction
- June-July Advertise for construction contract(s) and select contractor
- July-August Request and receive approval to award contract(s)
- July-August Submit amended grant application with contract amounts
- August Receive and execute grant agreement
- August Apply for and receive Caltrans matching grant funds
- Sept Issue authorization for design projects
- Sept Conduct pre-construction conference(s) with contractor(s)

- Sept –Oct      Receive Notice(s) to proceed with construction
- October 31    Identify required environmental documents for next-year’s projects
- December 31   Submit any required Environmental Assessments

Input on the ACIP was obtained from the Aviation Advisory Committee and from the West Plainfield Advisory Committee on Airport Development (WPAC). The Aviation Advisory Committee did not take action to support the plan due to a lack of quorum although members present expressed support. The WPAC took action to support the plan with the following recommendations:

1. In 2014, remove the words “detention ponds” to allow the possibility of other drainage structures being more desirable and effective.
2. In 2014, design only the gates portion of the fencing plan and hold the perimeter fencing until an analysis can be completed of the need for complete fencing.
3. In 2019, remove the runway rehabilitation.

Staff accepts recommendations 1 and 2 as feasible and with Board support and direction can modify the verbiage. Staff does not recommend removing the runway rehabilitation as regular maintenance of the runway is important to avoid the long-term impact of neglect. By 2019, the runway will be ten years old and it is prudent to provide rehabilitation at that point in order to retain the existing pavement lifespan.

**Collaborations (including Board advisory groups and external partner agencies)**

Staff solicited comments from the Aviation Advisory Committee and the West Plainfield Advisory Committee on Airport Development at a joint January 22, 2014 meeting.

**Fiscal Impact**

Potential fiscal impact (see notes in explanation section below)

**Fiscal Impact (Expenditure)**

Total cost of recommended action:	\$ 0
Amount budgeted for expenditure:	\$ 0
Additional expenditure authority needed:	\$ 0
One-time commitment	Yes

**Source of Funds for this Expenditure**

General Fund	\$0
--------------	-----

**Explanation (Expenditure and/or Revenue)**

An estimated \$6,508 county match would come from the Airport Enterprise Fund.

**Attachments**

[PDF\\_ Staff Report](#)

[Att. A. ACIP Graphic](#)

[Att. B. ACIP Projects 2014-2019](#)







**Form Review**

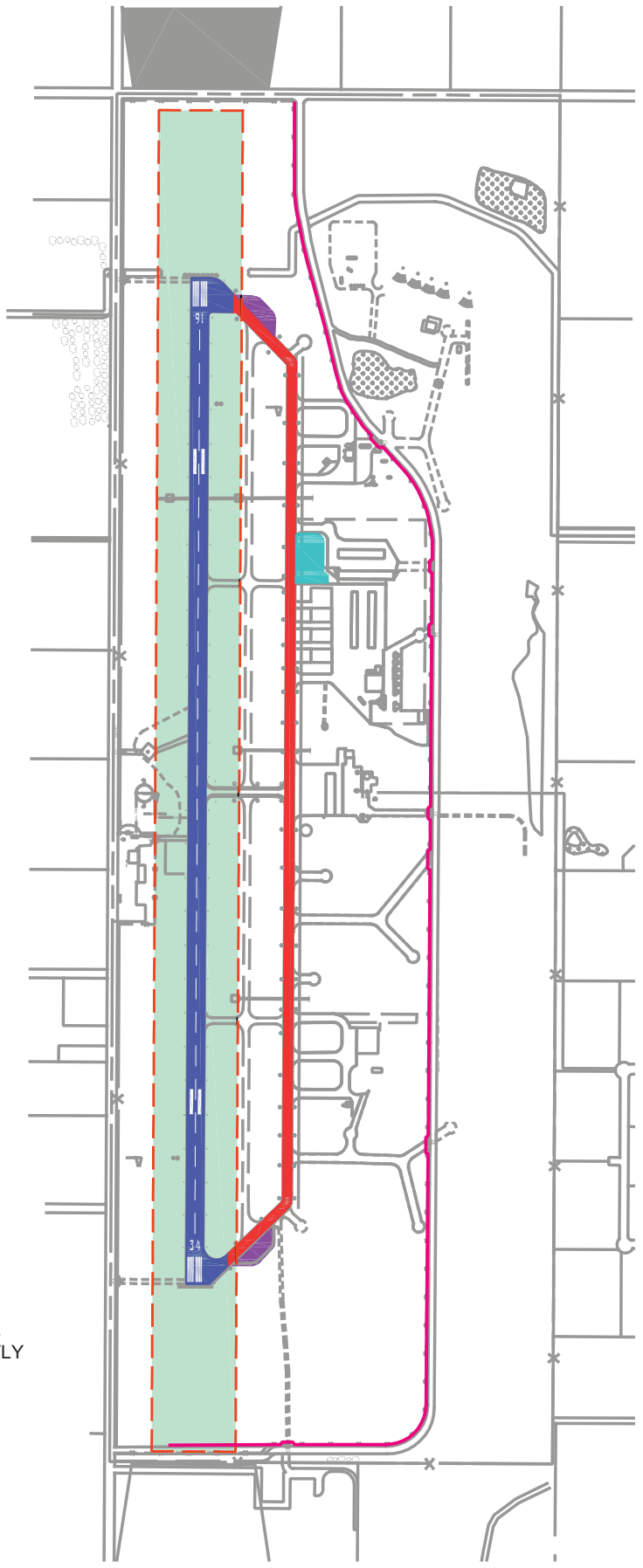
Inbox	Reviewed By	Date
Mindi Nunes	Wes Ervin	01/17/2014 09:39 AM
Mindi Nunes	Mindi Nunes	01/17/2014 10:35 AM
Patrick Blacklock	Patrick Blacklock	01/17/2014 03:54 PM

Ivan Vonk  
County Counsel  
Mindi Nunes  
Form Started By: Wes Ervin  
Final Approval Date: 01/23/2014

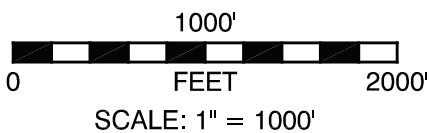
Ivan Vonk  
Robyn Drivon  
Mindi Nunes

01/21/2014 07:48 AM  
01/21/2014 09:15 AM  
01/23/2014 01:02 PM  
Started On: 12/16/2013 09:03 AM

- 2014  
ALP UPDATE NOT SHOWN
- PERIMETER SECURITY FENCING (DESIGN) NOT SHOWN
- 2015  
\* AIRPORT DRAINAGE IMPROVEMENTS - PHASE 1 (DESIGN) NOT SHOWN
- PERIMETER SECURITY FENCING (CONSTRUCTION) 
- 2016  
\* AIRPORT DRAINAGE IMPROVEMENTS - PHASE 1 (CONSTRUCTION) NOT SHOWN
- RUN-UP APRON - PHASES 1 & 2 (CONSTRUCTION) 
- 2017  
TAXIWAY A REHABILITATION AND RUNWAY SAFETY AREA GRADING (DESIGN) NOT SHOWN
- 2018  
TAXIWAY A REHABILITATION (CONSTRUCTION) 
- RUNWAY SAFETY AREA GRADING (CONSTRUCTION) 
- RUNWAY 16-34 REHABILITATION - PHASE 2 (DESIGN) NOT SHOWN
- 2019  
RUNWAY 16-34 REHABILITATION - PHASE 2 (CONSTRUCTION) 
- NORTH APRON EXPANSION (DESIGN) 



\* DRAINAGE DESIGN AND CONSTRUCTION TO BE DETERMINED BY DRAINAGE STUDY ANALYSIS CURRENTLY BEING PERFORMED.



YOLO COUNTY AIRPORT

ACIP PROJECTS (FY 2014-FY 2019)



AWP ACIP DATA SHEET

Airport Name		YOLO COUNTY - DAVIS WOODLAND WINTERS AIRPORT	Fiscal Year	2014	
Shown On ALP	Project Type*	Project Description	Federal Share	Local Share	Total
N/A	P	1) ALP Update	\$75,000	\$8,333	\$83,333
Yes	D	2) Perimeter Security Fencing (Design)	\$31,500	\$3,500	\$35,000
		2014 Totals	\$106,500	\$11,833	\$118,333

\* D - Development; P - Planning; E - Environmental

**PROVIDE THE FOLLOWING DETAILED INFORMATION FOR PROJECTS ANTICIPATED WITHIN 1-2 YEARS**

Detail: Project Description (Square/Lineal Footage or Length/Width)

- 1) ALP update to include:
- Evaluate airfield for consistency with current version of Airfield Design Advisory Circular.
  - Update existing ALP sheets to make them consistent with SOP No. 2.00.
  - Create a cover sheet.
  - Create an additional sheet if necessary to clearly show all required airspace-related surfaces.
  - Add locations of proposed dry detention basins as defined in the ongoing drainage study.
  - Revise the layout of hangars and taxilanes as directed by County.
  - Update airspace plans to reflect recent tree removal.
  - Up to two public meetings with tenants, users and public.
  - Prepare a Narrative Report that focuses on:
    - o The dry detention basins
    - o Any building area revisions
    - o Any airfield modifications needed to comply with the standards in the Airport Design Advisory Circular.
- 2) Design of perimeter security fence and gate installation (appx. 10,500 linear feet of fence and appx. 10 vehicle and pedestrian gates)

Project Schedule (Anticipated date for bids or negotiated prices, consultant selection for planning or environmental projects, length of construction or design, planning or environmental process)

- 1) ALP Update will begin in 2014 and be completed in 2015  
 2) Project will be designed in 2014 for construction in 2015

NEPA Environmental Status (Date of FONSI or submit CATEX Form for Approval)

- 1) Not Applicable  
 2) CatEx submitted in January 2014

Land Title Status & Date of Exhibit "A" Status

Date

Open AIP Funded Projects

Expected Close-out Date

**Certification: To the best of my knowledge and belief, all information shown in the ACIP Data Sheet is true and correct and had been duly authorized by the Sponsor.**

Wes Ervin, Mgr. of Economic Development

Wes Ervin, Airport Manager

Name and Title of Authorized Representative (Print or Type)

Contact Name and Title (Print or Type)

*Wes Ervin* 1-29-14  
 Signature

(530) 666-8066

Date

Contact Phone (Print or Type):

AWP ACIP DATA SHEET

Airport Name		YOLO COUNTY - DAVIS WOODLAND WINTERS AIRPORT	Fiscal Year	2015	
Shown On ALP	Project Type*	Project Description	Federal Share	Local Share	Total
Yes	D	1) Airport Drainage Improvements - Phase 1 (Design)	\$148,500	\$16,500	\$165,000
Yes	D	2) Perimeter Security Fencing (Construction)	\$399,600	\$44,400	\$444,000
		2015 Totals	\$548,100	\$60,900	\$609,000

\* D - Development; P - Planning; E - Environmental

**PROVIDE THE FOLLOWING DETAILED INFORMATION FOR PROJECTS ANTICIPATED WITHIN 1-2 YEARS**

**Detail Project Description (Square/Lineal Footage or Length/Width)**

1) Design of Airport Drainage Improvements - Phase 1 (Based on Master Drainage Study Update)  
 2) Construction of perimeter security fence and gate installation (appx. 10,500 linear feet of fence and appx. 10 vehicle and pedestrain gates)

**Project Schedule (Anticipated date for bids or negotiated prices, consultant selection for planning or environmental projects, length of construction or design, planning or environmental process)**

1) Project will be designed in 2015 for construction in 2016.  
 2) Project will be designed in 2014 for construction in 2015.

**NEPA Environmental Status (Date of FONSI or submit GATEX Form for Approval)**

1) CatEx will be submitted in 2014  
 2) CatEx submitted in 2013

**Land Title Status & Date of Exhibit "A" Status** Date

**Open AIP Funded Projects** Expected Close-out Date

**Certification: To the best of my knowledge and belief, all information shown in the ACIP Data Sheet is true and correct and had been duly authorized by the Sponsor.**

<b>Wes Ervin, Mgr. of Economic Development</b>	<b>Wes Ervin, Airport Manager</b>
Name and Title of Authorized Representative (Print or Type)	Contact Name and Title (Print or Type)
<i>Wesley J. Ervin</i> 1-29-14	(530) 666-8066
Signature	Contact Phone (Print or Type):

AWP ACIP DATA SHEET

Airport Name		YOLO COUNTY - DAVIS WOODLAND WINTERS AIRPORT	Fiscal Year	2016	
Shown On ALP	Project Type*	Project Description	Federal Share	Local Share	Total
Yes	D	1) Airport Drainage Improvements - Phase 1 (Construction)	\$1,260,000	\$140,000	\$1,400,000
Yes	D	2) Run-up Apron - Phases 1 & 2 (Construction)	\$495,000	\$55,000	\$550,000
		2016 Totals	\$1,755,000	\$195,000	\$1,950,000
* D - Development; P - Planning; E - Environmental					
<b>PROVIDE THE FOLLOWING DETAILED INFORMATION FOR PROJECTS ANTICIPATED WITHIN 1-2 YEARS</b>					
Detail: Project Description (Square/Lineal Footage or Length/Width)					
1) Construction of Airport Drainage Improvements - Phase 1 2) Construction of Run-up apron at both runway ends (appx. 40,000 square feet)					
Project Schedule (Anticipated date for bids or negotiated prices, consultant selection for planning or environmental projects, length of construction or design, planning or environmental process)					
1) Project will be designed in 2015 for construction in 2016. 2) Project designed in 2013 for construction in 2016.					
NEPA Environmental Status (Date of FONSI or submit CATEX Form for Approval)					
1) CatEx will be submitted in 2014 2) CatEx submitted in 2011, updated CatEx will be submitted in 2015					
Land Title Status & Date of Exhibit "A" Status			Date		
Open AIP Funded Projects			Expected Close-out Date		
<b>Certification: To the best of my knowledge and belief, all information shown in the ACIP Data Sheet is true and correct and had been duly authorized by the Sponsor.</b>					
Wes Ervin, Mgr. of Economic Development			Wes Ervin, Airport Manager		
Name and Title of Authorized Representative (Print or Type)			Contact Name and Title (Print or Type)		
<i>Wes Ervin</i>			(530) 666-8066		
Signature		Date	Contact Phone (Print or Type):		
<i>Wes Ervin</i>		1-29-14			



AWP ACIP DATA SHEET

Airport Name		YOLO COUNTY - DAVIS WOODLAND WINTERS AIRPORT	Fiscal Year	2017	
Shown On ALP	Project Type*	Project Description	Federal Share	Local Share	Total
Yes	D	1) Taxiway A Rehabilitation and RSA Grading (Design)	\$67,500	\$7,500	\$75,000
		2017 Totals	\$67,500	\$7,500	\$75,000

\* D - Development; P - Planning; E - Environmental

**PROVIDE THE FOLLOWING DETAILED INFORMATION FOR PROJECTS ANTICIPATED WITHIN 1-2 YEARS**

**Detail Project Description (Square/Lineal Footage or Length/Width)**

1) Design of Pavement Rehabilitation, Sealcoat (34,000 square yards), Safety Area Grading, and Shoulder Construction along Taxiway A.

**Project Schedule (Anticipated date for bids or negotiated prices, consultant selection for planning or environmental projects, length of construction or design, planning or environmental process)**

1) Project will be designed in 2017 for construction in 2018.

**NEPA Environmental Status (Date of FONSI or submit CATEX Form for Approval)**

**Land Title Status & Date of Exhibit "A" Status**

Date

**Open AIP Funded Projects**

Expected Close-out Date

**Certification: To the best of my knowledge and belief, all information shown in the ACIP Data Sheet is true and correct and had been duly authorized by the Sponsor.**

Wes Ervin, Mgr. of Economic Development

Wes Ervin, Airport Manager

Name and Title of Authorized Representative (Print or Type)

Contact Name and Title (Print or Type)

*Wesley J. Ervin* 1-29-14

(530) 666-8066

Signature

Date

Contact Phone (Print or Type):

AWP ACIP DATA SHEET

Airport Name		YOLO COUNTY - DAVIS WOODLAND WINTERS AIRPORT	Fiscal Year	2018	
Shown On ALP	Project Type*	Project Description	Federal Share	Local Share	Total
Yes	D	1) Taxiway A Rehabilitation and RSA Grading (Construction)	\$238,500	\$26,500	\$265,000
Yes	D	2) Runway 16-34 Rehabilitation - Phase 2 (Design)	\$76,500	\$8,500	\$85,000
		2018 Totals	\$315,000	\$35,000	\$350,000

\* D - Development; P - Planning; E - Environmental

**PROVIDE THE FOLLOWING DETAILED INFORMATION FOR PROJECTS ANTICIPATED WITHIN 1-2 YEARS**

**Detail: Project Description (Square/Lineal Footage or Length/Width)**

- 1) Construction of Taxiway A Pavement Rehabilitation (Sealcoat - 34,000 square yards), Safety Area Grading, and Shoulder Construction.
- 2) Design of Phase 2 Runway Rehabilitation including 2.5-inch overlay, grooving, and marking.

**Project Schedule (Anticipated date for bids or negotiated prices, consultant selection for planning or environmental projects, length of construction or design, planning or environmental process)**

- 1) Project will be designed in 2017 for construction in 2018.
- 2) Project will be designed in 2018 for construction in 2019.

**NEPA Environmental Status (Date of FONSI or submit CATEX Form for Approval)**

**Land Title Status & Date of Exhibit "A" Status** \_\_\_\_\_ **Date** \_\_\_\_\_

**Open AIP Funded Projects** \_\_\_\_\_ **Expected Close-out Date** \_\_\_\_\_

**Certification: To the best of my knowledge and belief, all information shown in the ACIP Data Sheet is true and correct and had been duly authorized by the Sponsor.**

Wes Ervin, Mgr. of Economic Development

Wes Ervin, Airport Manager

Name and Title of Authorized Representative (Print or Type)

Contact Name and Title (Print or Type)

*Wesley J. Ervin* 1-29-14

(530) 666-8066

Signature

Date

Contact Phone (Print or Type):

AWP ACIP DATA SHEET

Airport Name		YOLO COUNTY - DAVIS WOODLAND WINTERS AIRPORT	Fiscal Year	2019	
Shown On ALP	Project Type*	Project Description	Federal Share	Local Share	Total
Yes	D	1) Runway 16-34 Rehabilitation - Phase 2 (Construction)	\$1,462,500	\$162,500	\$1,625,000
Yes	D	2) North Apron Expansion (Design)	\$72,000	\$8,000	\$80,000
		2019 Totals	\$1,534,500	\$170,500	\$1,705,000
* D - Development; P - Planning; E - Environmental					
<b>PROVIDE THE FOLLOWING DETAILED INFORMATION FOR PROJECTS ANTICIPATED WITHIN 1-2 YEARS</b>					
Detail: Project Description (Square/Lineal Footage or Length/Width)					
<p>1) Construction of 25-inch overlay, grooving, and marking of Runway 16-34 (Phase 2).</p> <p>2) Design of the north apron expansion (45,000 square feet) including tiedown installation and marking.</p>					
Project Schedule (Anticipated date for bids or negotiated prices, consultant selection for planning or environmental projects, length of construction or design, planning or environmental process)					
<p>1) Project will be designed in 2018 for construction in 2019.</p> <p>2) Project will be designed in 2019 for construction in 2020.</p>					
NEPA Environmental Status (Date of FONSI or submit CATEX Form for Approval)					
Land Title Status & Date of Exhibit "A" Status			Date		
Open AIP Funded Projects			Expected Close-out Date		
<b>Certification: To the best of my knowledge and belief, all information shown in the ACIP Data Sheet is true and correct and had been duly authorized by the Sponsor.</b>					
Wes Ervin, Mgr. of Economic Development			Wes Ervin, Airport Manager		
Name and Title of Authorized Representative (Print or Type)			Contact Name and Title (Print or Type)		
<i>Wesley J. Ervin</i>			(530) 666-8066		
Signature		Date	Contact Phone (Print or Type):		
<i>Wesley J. Ervin</i>		1-29-14			

**YOLO COUNTY AIRPORT  
FAA/CALTRANS ACIP (2014-2019) SUMMARY  
PREPARED JANUARY, 2014**

<b>FISCAL YEAR</b>	<b>PROJECT</b>	<b>TOTAL COST</b>	<b>FEDERAL SHARE</b>	<b>STATE SHARE</b>	<b>LOCAL SHARE</b>
2014	ALP Update	\$ 83,333	\$ 75,000	\$ 3,750	\$ 4,583
2014	Perimeter Security Fencing (Design)	\$ 35,000	\$ 31,500	\$ 1,575	\$ 1,925
	<b>Subtotal (FY 2014)</b>	<b>\$ 118,333</b>	<b>\$ 106,500</b>	<b>\$ 5,325</b>	<b>\$ 6,508</b>
2015	Airport Drainage Improvements - Phase 1 (Design)	\$ 165,000	\$ 148,500	\$ 7,425	\$ 9,075
2015	Perimeter Security Fencing (Construction)	\$ 444,000	\$ 399,600	\$ 19,980	\$ 24,420
	<b>Subtotal (FY 2015)</b>	<b>\$ 609,000</b>	<b>\$ 548,100</b>	<b>\$ 27,405</b>	<b>\$ 33,495</b>
2016	Airport Drainage Improvements - Phase 1 (Construction)	\$ 1,400,000	\$ 1,260,000	\$ 63,000	\$ 77,000
2016	Run-up Apron - Phases 1 & 2 (Construction)	\$ 550,000	\$ 495,000	\$ 24,750	\$ 30,250
	<b>Subtotal (FY 2016)</b>	<b>\$ 1,950,000</b>	<b>\$ 1,755,000</b>	<b>\$ 87,750</b>	<b>\$ 107,250</b>
2017	Taxiway A Rehabilitation and RSA Grading (Design)	\$ 75,000	\$ 67,500	\$ 3,375	\$ 4,125
	<b>Subtotal (FY 2017)</b>	<b>\$ 75,000</b>	<b>\$ 67,500</b>	<b>\$ 3,375</b>	<b>\$ 4,125</b>
2018	Taxiway A Rehabilitation and RSA Grading (Construction)	\$ 265,000	\$ 238,500	\$ 11,925	\$ 14,575
2018	Runway 16-34 Rehabilitation - Phase 2 (Design)	\$ 85,000	\$ 76,500	\$ 3,825	\$ 4,675
	<b>Subtotal (FY 2018)</b>	<b>\$ 350,000</b>	<b>\$ 315,000</b>	<b>\$ 15,750</b>	<b>\$ 19,250</b>
2019	Runway 16-34 Rehabilitation - Phase 2 (Construction)	\$ 1,625,000	\$ 1,462,500	\$ 73,125	\$ 89,375
2019	North Apron Expansion (Design)	\$ 80,000	\$ 72,000	\$ 3,600	\$ 4,400
	<b>Subtotal (FY 2019)</b>	<b>\$ 1,705,000</b>	<b>\$ 1,534,500</b>	<b>\$ 76,725</b>	<b>\$ 93,775</b>