

Yuba County Airport Drainage Improvements YC-01

I. Project Sponsor Contact Information

Lead Agency/Organization	Yuba County
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Project Partners/Collaborators	Reclamation District 784 Yuba County Water Agency

II. General Project Information

Project Title	Yuba County Airport Drainage Improvements
Project Total Budget	\$3,600,000
Project Funding Match	Local match would be a minimum of \$900,000. The Yuba County Water Agency and Reclamation District 784 are other potential agencies that may contribute to the local match.
Project Funding Request	\$2,700,000
Can a detailed cost estimate be provided upon request?	No
Project Location:	Yuba County Airport to 3,000 feet south along the railroad line west of the airport
Latitude	
Longitude	
Could you provide a map of the project location including boundaries upon request?	Yes
Project Location Description:	Drainage channels around the Yuba County Airport and south to Ella Avenue
County	Yuba
City/Community	Community of Arboga
Watershed/subwatershed	RD 784 Drainage Basin C
Groundwater Basin	Yuba Groundwater Basin/South Yuba Sub-basin
Project Type	Facility Construction Acquisitions

III. Project Description

This project includes canal and pipeline improvements at the Yuba County Airport and south to the Ella Basin, which is part of Reclamation District (RD) 784 Drainage Basin C. Project elements include bore and jack approximately 1,000 feet of 72-inch pipes under the railroad at multiple locations between the southwestern corner of the airport to the Ella Basin in order to connect RD 784's Lateral 17 to Lateral 15. The project includes channel widening of Lateral 15 from the Ella Basin northward approximately 3,100 feet to the northern 72-inch pipe crossing of the railroad. Land acquisitions will be necessary to improve the channel along the railroad.

IV. Project Rationale/Issues Statement

The project will improve the flood protection of the Yuba County Airport property and neighboring properties by lowering the 100-yr flood elevation levels and removing properties from Special Flood Hazard Area Zone A. The project will provide public safety from flooding for the airport properties and improve the economic viability of the businesses within the Yuba County Industrial Zone at the airport. Neighboring property owners will benefit from the project by improving public safety from flooding.

The project specifically addresses the following identified regional issues:

Infrastructure

Develop new as well as repair and retrofit aging infrastructure

Water Quality Contamination: Urban and Agricultural Run-off

Maintain and improve water quality by mitigating for urban and agricultural runoff

Flood Management

Create multi-stakeholder coordination for flood management to achieve multiple economic and public safety benefits

Regulatory Compliance

Mitigate for the impacts of regulatory compliance on water management decision-making and processes, including increased costs and decreased opportunities for collaboration

Climate Change

Respond to projected climate change impacts on public safety and develop regional adaptive management strategies

V. Goals/Objectives/Performance Metrics

Goals Addressed by the Project	Goal 2: Protect, restore and enhance water quality for water users and in support of healthy watersheds; Goal 5: Protect public safety through integrated flood management.
Objectives Addressed by	2.1 Protect and improve water quality by mitigating for urban and

Project	sediment run-off; 2.2 Minimize water quality impacts from flood; 5.1 Improve integrated flood management to ensure emergency preparedness, increase flood protection and enhance regional and inter-regional collaboration.
What performance metrics will be used to demonstrate that objectives are being met? Wherever possible, provide a quantitative measurement reflecting successful project outcomes.	The lowering of the 100-yr flood elevation for the Airport and neighboring properties. The lowering of downstream peak flows and water elevations during rain events. The lowering of flood insurance rates for property owners in Olivehurst. This will be achieved by removing properties from Special Flood Hazard Areas which will reduce their insurance rates.

VI. Resource Management Strategies

Improve Water Quality	
Urban Runoff Management	Project manages urban, sediment runoff
Improve Flood Management	
Flood Risk Management	Project reduces flood risks for the Airport and neighboring properties.

VII. Statewide Priorities

Climate Change Response Actions

- Adaptation to Climate Change: Water management system modifications that address anticipated climate

Practice Integrated Flood Management

- Improved flood protection
- More sustainable flood and water management systems

Climate Change Adaptation

The project assists the region in adapting to the effects of climate change by decreasing the flood risk of a major feature of the transportation system in Yuba County.

GHG Emissions Reduction

GHG emissions reduction strategies will be developed and considered during the design stage of the project.

VIII. Project Status and Schedule

Project Stage	Description of Activities in Each Project Stage	Planned/Actual Start Date	Planned/Actual Completion Date
Planning	Drainage Study to benefit the Yuba County Airport	January 2005	December 2011
Design	One 72" pipe crossing has been designed. The other crossings still need to be designed- Conceptual/preliminary design		February 2012
Environmental Documentation (CEQA/NEPA)	TBD		
Permitting	TBD		
Tribal Consultation (if not applicable, indicate by N/A)	N/A		
Construction/ Implementation	TBD		

IX. Project Technical Feasibility

a. List the water planning documents that specifically identify this project.	RD 784 Master Drainage Plan (2005) Yuba County Development Drainage Plan (2011)
b. List the adopted planning documents the proposed project is consistent with (e.g., General Plans, UWMPs, GWMPs, Water Master Plans, Habitat Conservation Plans, etc.)	RD 784 Master Drainage Plan (2005) and the Yuba County Development Drainage Plan (2011).
c. List technical reports and studies supporting the feasibility of this project.	Yuba County Development Drainage Plan