

# Engineering, Operations, & Technology Committee Lake Skinner Dam Drainage Control Improvements

Item 7-2 December 9, 2024 Item 7-2 Lake Skinner Drainage Control Improvements

## Subject

Award a \$588,000 contract to Heed Engineering for the construction of drainage control improvements at the Lake Skinner Dam

#### Purpose

Improves the drainage around the base of the dam in compliance with California Division of Safety of Dams (DSOD) requirements

#### **Recommendation and Fiscal Impact**

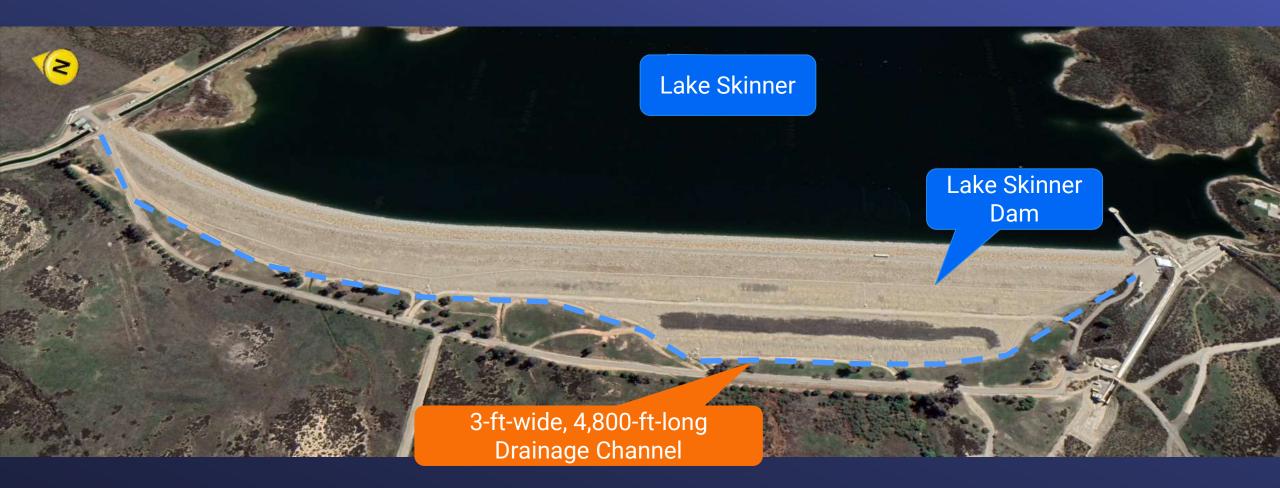
Award a construction contract for drainage improvements Fiscal impact of \$800,000 in capital funds

Budgeted

## Location Map



# Background



Engineering, Operations, & Technology Committee

Lake Skinner Drainage Control Improvements

# Background

- Drainage control system is damaged & in need of rehabilitation
  - Constructed in May 1970
  - V-ditch concrete is cracked & displaced at several locations along toe of dam
  - Adjacent access road exhibits signs of erosion
- Final design complete



Existing Drainage Control Ditch

Lake Skinner Drainage Control Improvements

## Alternatives Considered

- Alternative Perform spot repairs
  - Damage is significant & spot repairs do not provide long-term durability
- Selected Alternative Replace the entire drainage control system at toe of dam
  - Drainage system is past its design life
  - A new drainage system with reinforced concrete will improve stormwater flow

Lake Skinner Drainage Control Improvements

# Scope of Work

- Contractor
  - Demolition of the existing drainage system
  - Clearing & grubbing
  - Construction of a 4-foot-wide by 4,800-foot-long drainage channel
  - Grading of adjacent access road
- Metropolitan
  - Construction management & inspection
  - Submittal review & preparation of record drawings
  - Contract administration, environmental support & project management

Bid Results Specifications No. 2078

> **Bids Received** No. of Bidders Lowest Responsible Bidder Low Bid Range of Other Bids **Engineer's Estimate SBE Participation\***

October 24, 2024 5 Heed Engineering \$588,000 \$766,000 to \$1,086,226 \$999,000 100%

\*SBE (Small Business Enterprise) minimum participation level set at 25%

## Allocation of Funds

#### Lake Skinner Drainage Control Improvements

Metropolitan Labor

Heed Engineering

Remaining Budget

- Owner Costs (Proj. Mgmt., Contract Admin., Envir. Support) S Construction Inspection & Support
- Submittals Review, Tech. Support, Record Dwgs.

41,000 86,000 53,000

588,000 32,000 Total \$ 800,000

Contracts

## **Project Schedule**



# **Board Options**

• Option #1

Award a \$588,000 contract to Heed Engineering for construction of drainage control improvements at the Lake Skinner dam.

• Option #2

Do not proceed with the project at this time.

## Staff Recommendation

• Option #1

