

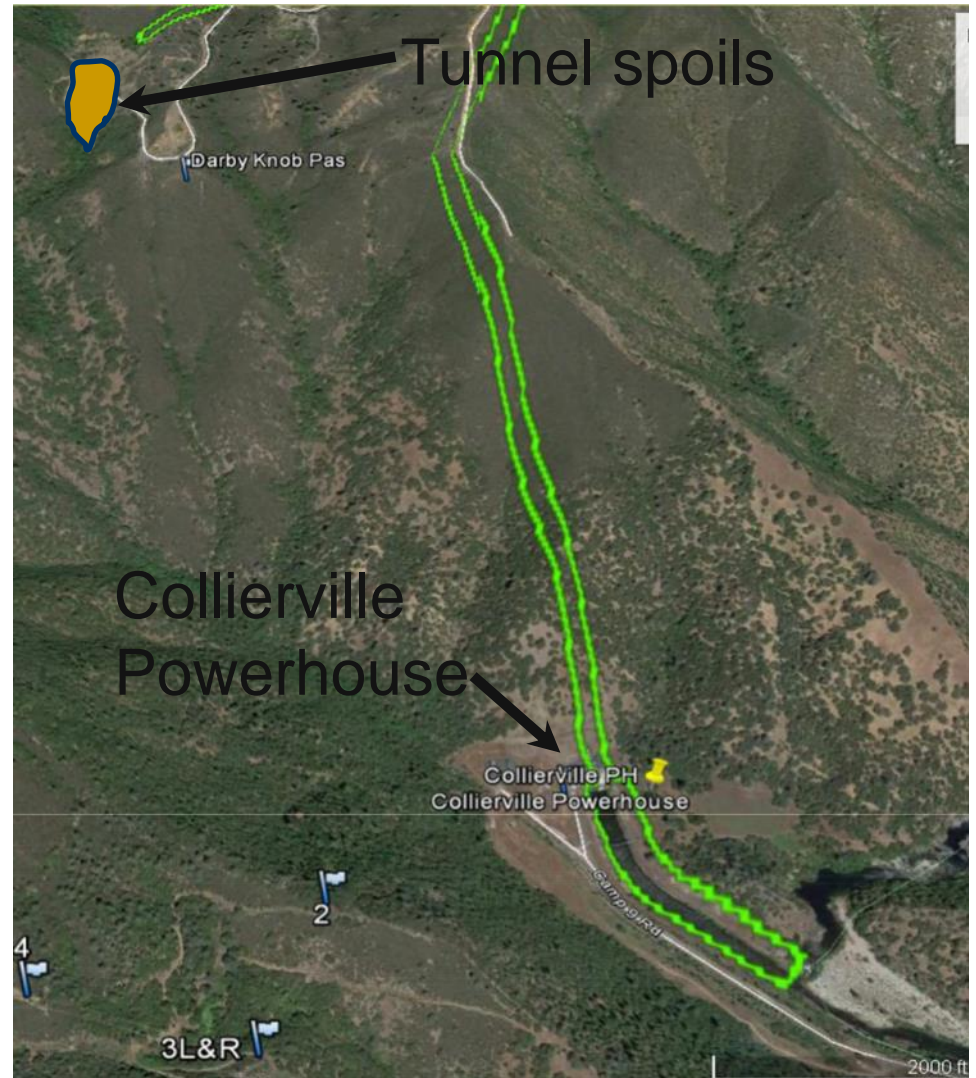
# **Adit 4 Tunnel Spoils Stabilization Project North Fork Stanislaus River Hydroelectric Project Construction Contract Award**



April 5, 2017  
Facilities Committee Meeting

## Location/Background of Adit 4

- Part of the tunnel between McKays Point & Collierville Powerhouse
- Over 6,000 yards of spoils eroded

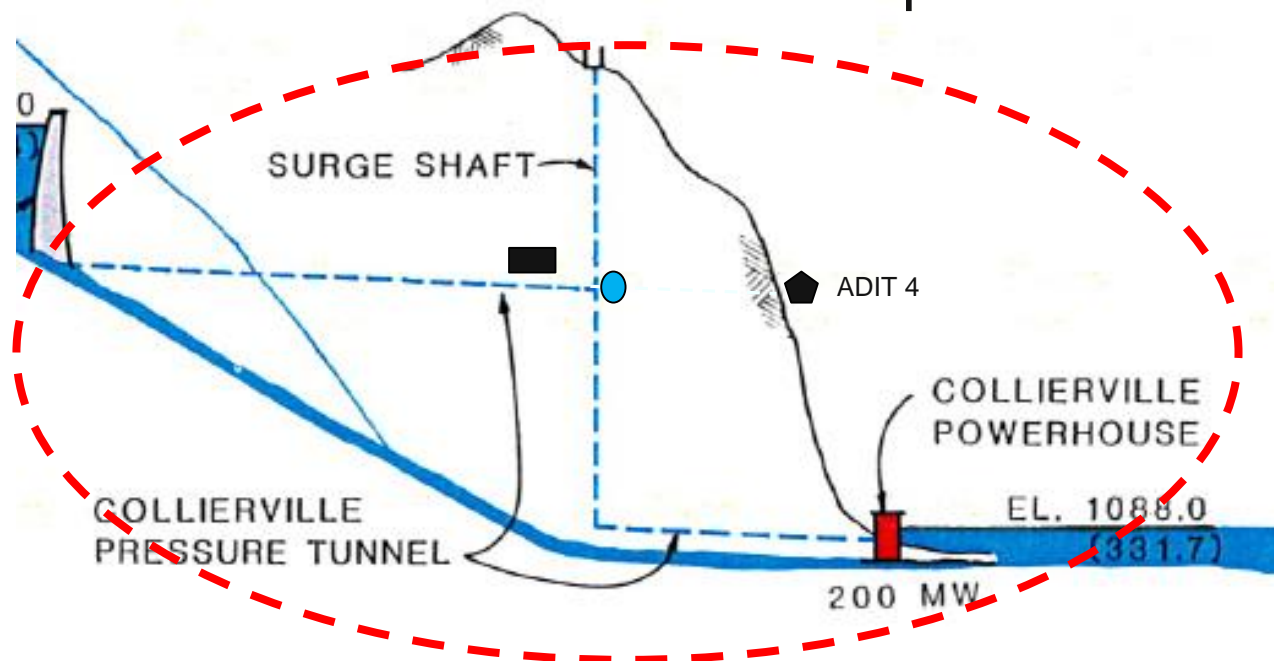


## Purpose of Adit 4

- Operations
- Maintenance
- Regulatory

- Rock Trap
- Tunnel Plug
- ◆ Leakage Monitoring Point

### Collierville Tunnel Complex





## Original Damage





## Further Water Damage





## Further Water Damage



## Site Aerial

Current extent  
of toe damage





## Accelerated design and permitting of repair

- Agency consultations and permitting
  - January 25<sup>th</sup> – February 24<sup>th</sup>: Posted CEQA NOE
  - January 30<sup>th</sup>: Issued ACOE exemption letter
  - January 25<sup>th</sup>: CDFW determined Project to be exempt
  - February 14<sup>th</sup>: Filed preliminary RWQCB discharge permit
    - New provision requires land-owner to sign permit prior to authorization
    - BLM reviewing
  - March 13<sup>th</sup>: Prepared SWPPP
- Original design completed February 15<sup>th</sup>
- February storms forced redesign: completed March 13<sup>th</sup>



# Project Bidding

- Project contractor prequalification process
  - February 7<sup>th</sup> – 9<sup>th</sup>: Invitations and public advertising
  - February 20<sup>th</sup> – March 7<sup>th</sup>: Qualifications review
  - March 7<sup>th</sup>: Notified five (5) pre-qualified contractors
  - March 9<sup>th</sup>: Five (5) contractors attended pre-bid job walk
  - March 13<sup>th</sup>: Addendum No. 1 issued
    - January/February storm damage necessitated re-survey and re-design of lower section and revisions of specifications
  - March 15<sup>th</sup> and 16<sup>th</sup>: Addendums No. 2 and 3 issued
    - Answer to bidder's question and SWPPP issuance

## Evaluation of Bids

- Received four (4) bids on March 23<sup>rd</sup>

Contractor	Responsive	Exclusions	Price
Ford	Yes	No	\$2,447,507
Syblon Reid	Yes	No	\$3,472,290
K.W. Emerson	Yes	No	\$3,729,028
McMillen Jacobs	Yes	No	\$4,026,691

- Ford was the low, responsive, responsible bidder



## Evaluation of Bids

- Ford was \$1M/\$1.3M below engineer's estimate and average of remaining bids respectively
- In post-bid discussions with Ford, they indicated no concerns:
  - with their bid, the design, nor
  - intent to make illegitimate claims
- Ford has existing master services agreement and successfully completed multiple projects for NCPA

## Fiscal Impact

- Current hydro budget allocates \$4.15M:
  - FY 2017: \$0.5M
  - FY 2018: \$3.65M
- Total Project estimate now stands at \$3.46M
  - FY 2018: \$3.1M construction, contingency, engineering
  - Construction engineering contract to be approved within \$500,000 August 17, 2016 Commission authorization

Activities	Amount
Construction contract	\$2,447,507
Contingency (~18%)	\$450,000
<b>Total</b>	<b>\$2,897,507</b>



## **Fiscal Impact**

- Continuing consultations with insurance underwriters
  - February 9<sup>th</sup>: determined covered loss at named facility
  - Final NCPA cost obligations dependent on actual costs minus “betterments” and \$500,000 deductible

## Construction Timelines

- June: Mobilization, pioneer road, water bypass
- July: Drain installs, cut-off walls, slope work
- August: Slope work
- September: Channel shotcrete, rip-rap
- October: Top side grading and valley gutters
- November: Hydroseed, demobilization



## **Recommendation**

Authorize the General Manager to execute a public works agreement with Ford Construction, Inc. and to issue purchase orders and change orders for not to exceed \$2,897,507 for construction of the Adit 4 Spoils Facility Repairs at the NCPA Hydroelectric Project.

# Questions?