

- **Board of Directors**
Engineering, Operations and Real Property Committee

February 13, 2001 Board Meeting

10-2

Subject

Status report for the Inland Feeder Project for the month ending December 2000

(Any discussion of claims will be heard in closed session – conference with legal counsel – significant exposure to litigation (two matters) pursuant to Gov. Code § 54956.9[b].)

Description

Arrowhead Tunnels

Redesign activities related to the Arrowhead West Tunnel and the remaining portion of the Arrowhead East Tunnel are complete. The final drawings and specifications checkset are in review. The United States Forest Service (USFS) is expected to issue a permit to proceed by the end of January 2001. Staff completed its evaluation of five alternative contingency alignments as a potential replacement for the Arrowhead Tunnels. An oral and written report was given to the Board in November 2000, question-and-answer sessions were held at the December 2000 and January 2001 Engineering and Operations Committee meetings. Board action on the direction to proceed with the project is expected in March 2001.

Arrowhead West Tunnel – Reach 1

Negotiations with the contractor continue over settlement of the remaining construction claim issues.

Arrowhead East Tunnel – City Creek Heading – Reach 2

The contractor continued final lining operations at the City Creek heading. Approximately 4,145 feet of the final impermeable liner have been installed in the 8,000-foot tunnel. Lining operations are scheduled to be completed by mid-2001. Negotiations with the contractor continue over settlement of the remaining construction claim issues.

Highland Pipeline – Reach 3

Design activities have been placed on hold pending Board action on the direction to proceed with the project.

Mentone Pipeline – Reach 4

The contractor has completed installation and encasement of pipe across the Santa Ana River Wash (800 feet). Pipe has also been installed south of the Redlands Airport (1,500 feet) and south of Mentone Boulevard (700 feet) to its northerly connection point at the previously constructed Redlands Unified School District (RUSD) segment. From the southerly connection to the RUSD segment, the contractor has installed approximately 1,000 feet of pipe working towards the end of the reach at the Riverside Badlands Tunnel. This reach is scheduled for completion in mid-2002.

Riverside Badlands Tunnel – Reaches 5 & 6

In September 2000, the tunnel boring machine (TBM) encountered loose material under groundwater pressure, which temporarily halted tunneling operations. Grouting was performed to stabilize the ground ahead of the TBM. To further reduce localized groundwater pressures, two dewatering wells were installed. Tunneling resumed in late-November. In December, a total of 1,306 feet was mined, bringing the cumulative total tunneled to 29,725 feet (see [Attachment 1](#) for a summary of tunneling progress).

Schedule and Budget

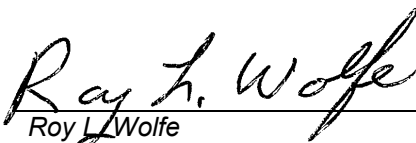

The Inland Feeder Project is currently scheduled for completion in 2005; however, this date may be extended due to the revised construction work plan for the Arrowhead Tunnels or implementation of an alternative contingency alignment. The project budget remains at \$1.188 billion. Based on proceeding with the existing project, which includes the construction of the Arrowhead Tunnels, the projected total cost for the program is \$981.5 million. Total expenditures through December 2000 are \$494.0 million (see [Attachment 2](#) for a financial summary and [Attachment 3](#) for a budget comparison and schedule summary).

Policy

Board Request.

Fiscal Impact

Refer to the attachments.

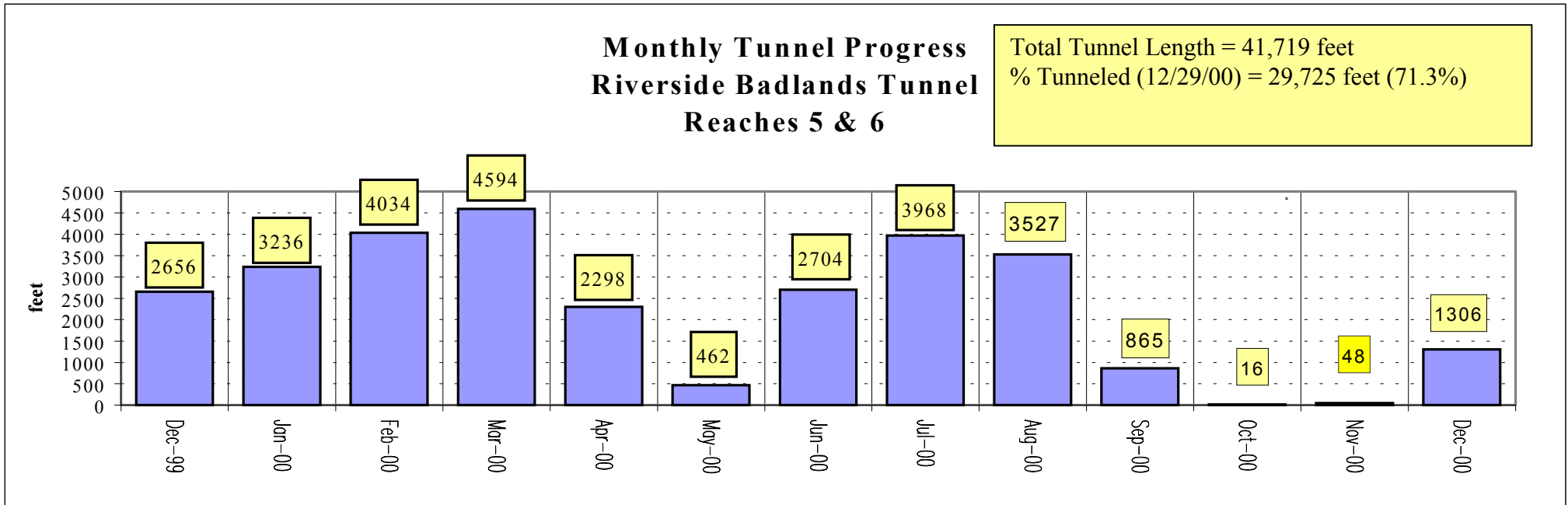
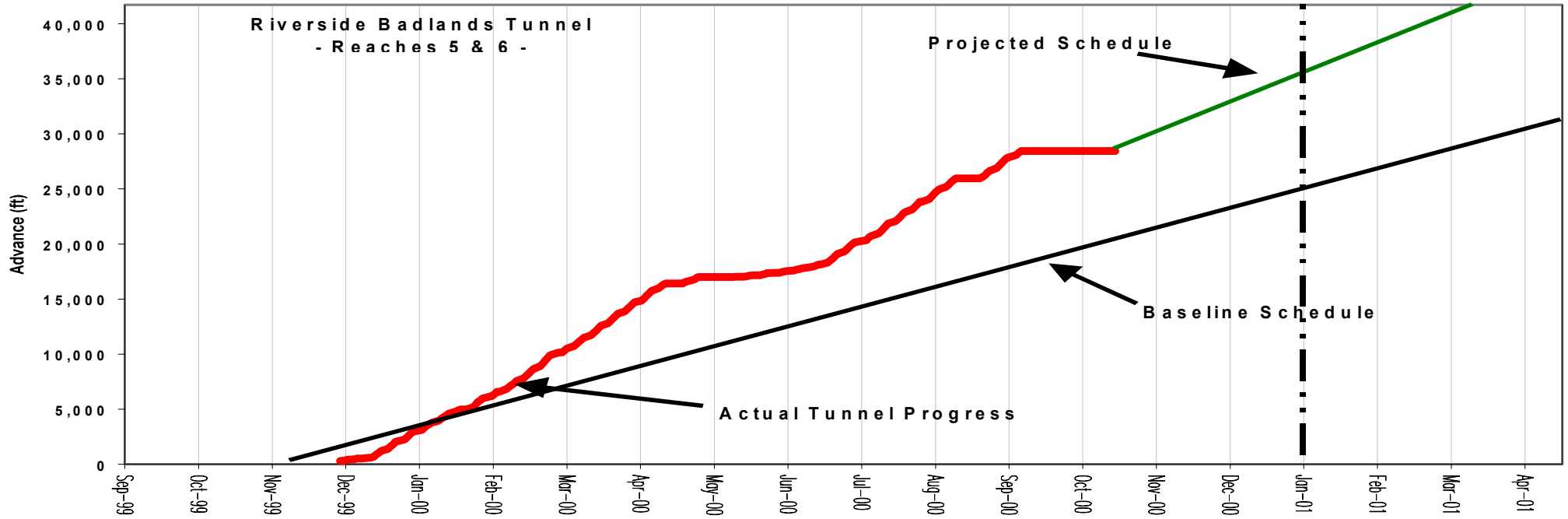
	1/25/2001
Roy L. Wolfe Manager, Corporate Resources	Date
	1/29/2001
Ronald R. Jester General Manager	Date

[Attachment 1 – Riverside Badlands Tunneling Progress](#)

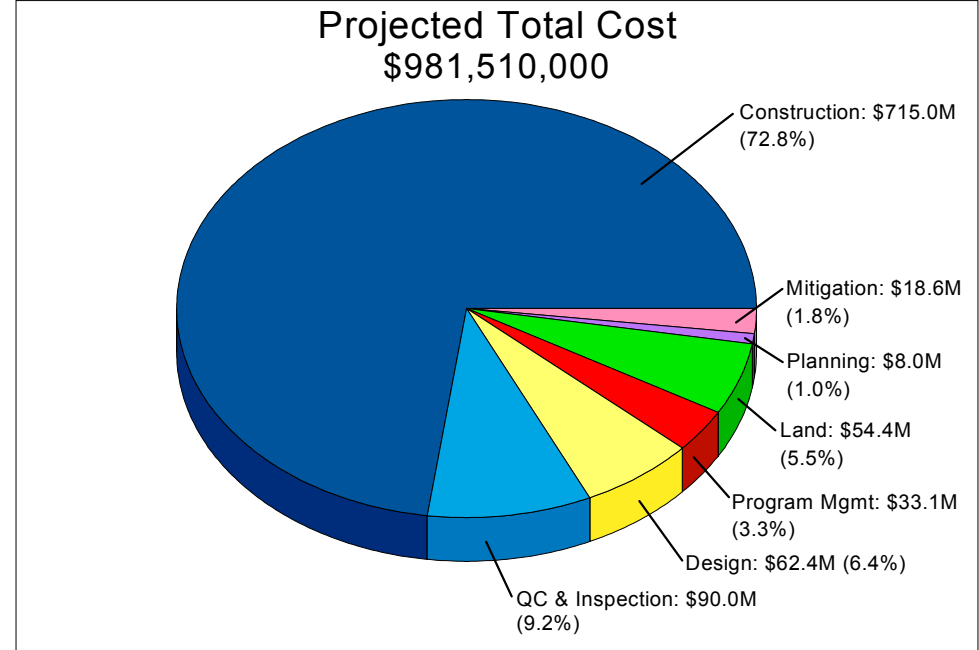
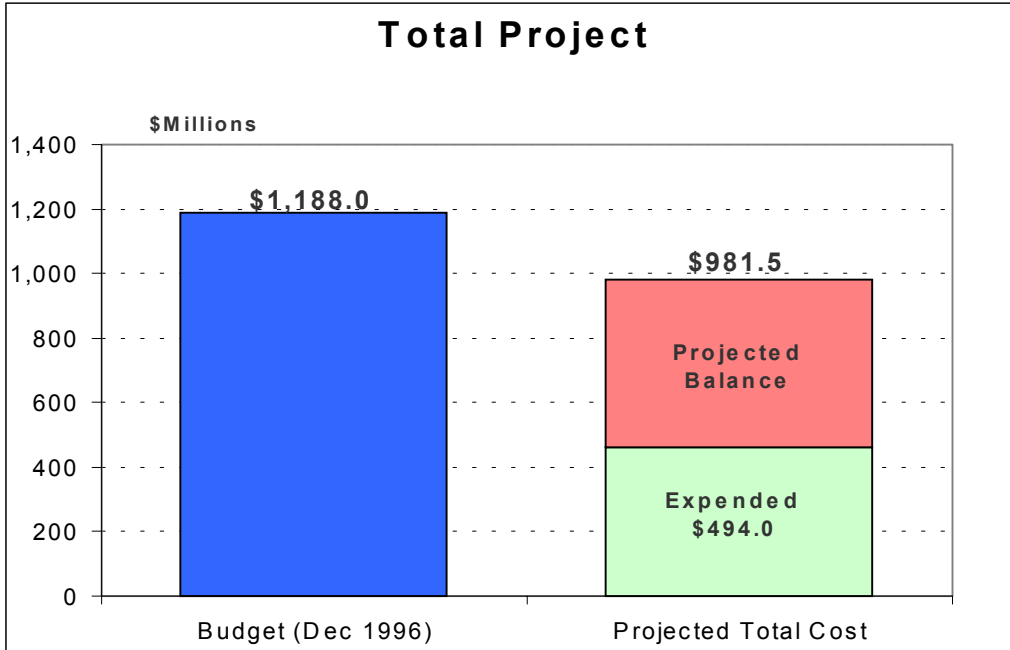
[Attachment 2 – Financial Summary/Project Cash Flow](#)

[Attachment 3 – Budget Comparison and Schedule Summary](#)

BLA #494

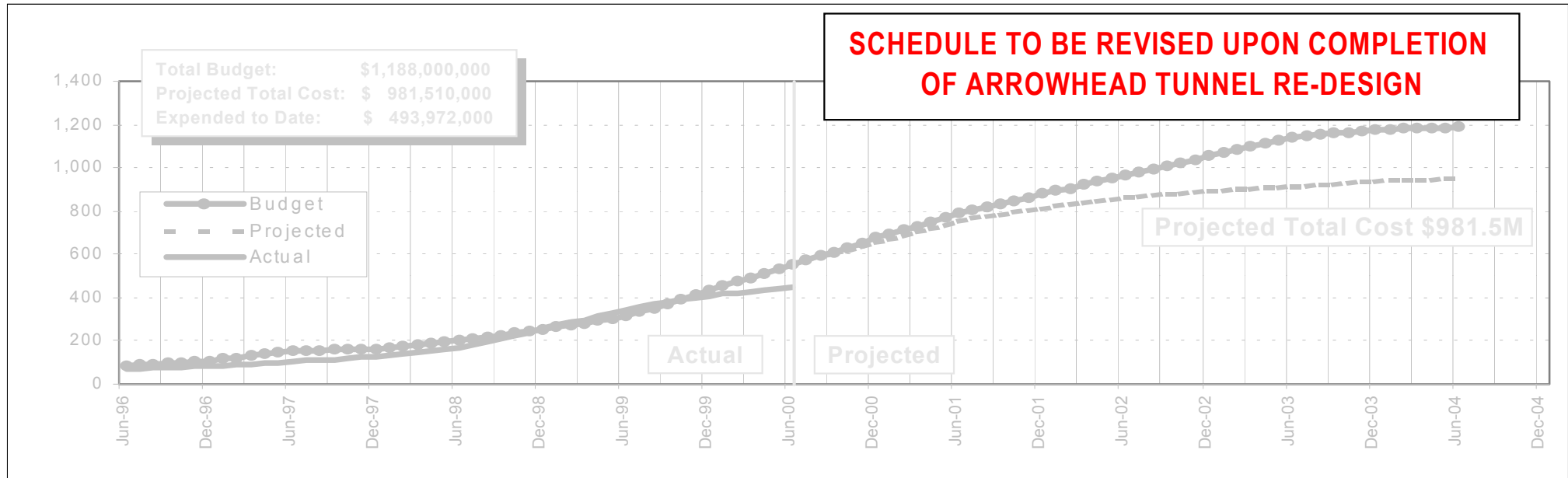


Financial Summary



1. Based on knowledge of current field conditions.

Project Cash Flow



Budget Comparison and Schedule Summary

	PRELIMINARY REBASELINE (JUN-2000) ⁽¹⁾	FORECAST (DEC-00)	ACTUALS THRU (DEC-00) ⁽²⁾	PROGRESS		COMPLETION DATE		COMMENTS
				PLANNED % COMPLETE	ACTUAL % COMPLETE (DEC-00) ⁽⁴⁾	CONTRACT (5)	FORECAST (DEC-00)	
Construction Reaches								
Arrowhead West Tunnel	\$ 211,728,000	\$ 211,728,000	\$ 56,030,000	----	25%	Dec-02	T.B.D.	On hold.
Arrowhead East Tunnel	\$ 281,607,000	\$ 281,607,000	\$ 118,571,000	----	38%	Jan-03	T.B.D.	On hold.
Highland Pipeline ⁽³⁾	\$ 57,199,000	\$ 51,813,000	\$ 7,134,000	0%	90%	-----	T.B.D.	In Design.
Mentone Pipeline	\$ 35,056,000	\$ 40,442,000	\$ 26,896,000	35%	73%	Mar-02	Oct-01	Under construction.
Riverside Badlands Tunnel	\$ 142,534,000	\$ 142,534,000	\$ 92,658,000	53%	61%	Aug-03	Apr-02	Under construction.
Riverside North Pipeline	\$ 57,984,000	\$ 57,984,000	\$ 55,238,000	100%	100%	Completed	Nov-99	Completed Nov. 99
Riverside South Pipeline	\$ 42,358,000	\$ 42,358,000	\$ 42,346,000	100%	100%	Completed	Aug-99	Completed Aug. 99
Construction Support								
Right-of-Way and Land	\$ 54,448,000	\$ 54,448,000	\$ 42,281,000	-----	78%	-----	-----	-----
Environmental Planning/Mitigation	\$ 18,598,000	\$ 18,598,000	\$ 10,865,000	-----	58%	-----	-----	-----
Owner Controlled Insurance Prog.	\$ 38,889,000	\$ 38,889,000	\$ 16,092,000	-----	41%	-----	-----	-----
Study/Initial Planning	\$ 8,024,000	\$ 8,024,000	\$ 8,024,000	-----	100%	-----	-----	-----
Program Management	\$ 33,085,000	\$ 33,085,000	\$ 17,837,000	-----	54%	-----	-----	-----
Projected Total Cost	\$ 981,510,000	\$ 981,510,000	\$ 493,972,000					
Remaining Budget	\$ 206,490,000	\$ 206,490,000						
Total Approved Budget	\$ 1,188,000,000	\$ 1,188,000,000						

(1) Based on 30% design for Arrowhead Tunnels

(2) Actuals for construction reaches include design costs

(3) Expenditure for design which is at 90%.

(4) Based on work complete for construction reaches and \$ expended for construction support

(5) Based on original contract duration and approved extensions

Remaining Budget ¹

