

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

July 10, 2001 Board Meeting

10-1

Subject

Status report for the Inland Feeder Project for the month ending May 2001

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

Description

Arrowhead Tunnels

The final amended Special-Use Permit was received from the United States Forest Service (USFS) in late-May. Staff has reviewed the conditions of the permit and has verified that they are consistent with agreements established in prior discussions with the USFS and presented to the Board in April. Staff will continue to finalize contract documents and unless otherwise directed by the Board, advertise for construction bids in July.

Arrowhead West Tunnel – Reach 1

Metropolitan has received the contractor's submittal of claimed costs regarding delay and deletion of mining. Staff is reviewing and evaluating the submittal. Negotiations will be initiated with the contractor following the review.

Arrowhead East Tunnel – City Creek Heading – Reach 2

The contractor has completed installation of the final impermeable liner (8,000 feet). Approximately 90 percent of concrete backfill behind the liner is complete. Work is scheduled for completion by late-2001.

Highland Pipeline – Reach 3

Design activities have been initiated to complete the bid package by Fall 2001.

Mentone Pipeline – Reach 4

The contractor installed 3,400 feet of pipe during the reporting period for a total of 16,660 feet to date (100 percent complete). Installation of the mortar lining will begin in mid-June. This reach is scheduled for completion in Fall of 2001.

Riverside Badlands Tunnel – Reaches 5 & 6

In May, the tunnel boring machine (TBM) advanced another 1,920 feet for a total of 37,188 feet (89 percent complete). In mid-May the TBM entered a zone measuring approximately 1,600 feet in length that consists of very loose and unconsolidated material combined with groundwater. The geologic conditions through this reach are weaker than anticipated and more groundwater is present. The contractor is grouting in front of the TBM to stabilize the ground as required by the contract specifications. Also, the contractor has been directed to install additional dewatering wells to lower the groundwater table, which will expedite mining through this zone (see [Attachment 1](#) for a summary of tunneling progress).

Budget and Schedule

Based on proceeding with the existing project, which includes the construction of the Arrowhead Tunnels, the projected total cost for the program is \$980 million with a completion date of late 2006. Total expenditures

through May 2001 are \$531.5 million (see [Attachment 2](#) for a financial summary/project cash flow and [Attachment 3](#) for a budget comparison and schedule summary/remaining budget). The project budget remains unchanged at \$1.1865 billion.

Policy

Board Request.

Fiscal Impact

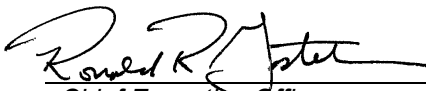
Refer to the attachments.



Roy L. Wolfe
Manager, Corporate Resources

6/21/2001

Date



Ronald R. Jester
Chief Executive Officer

6/29/2001

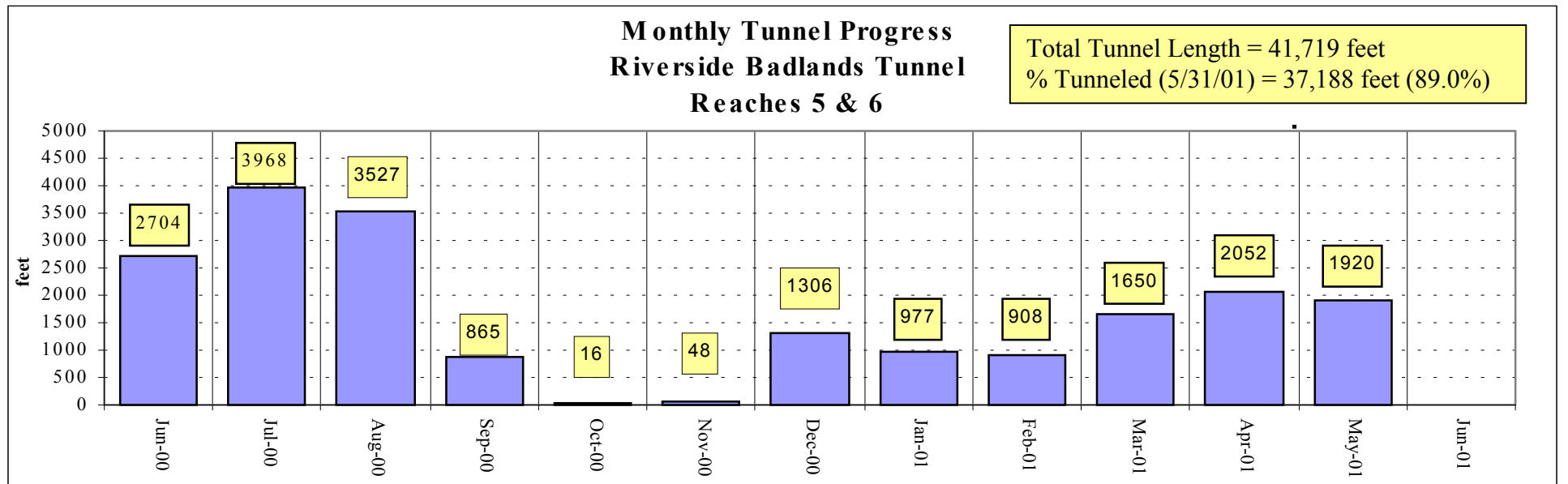
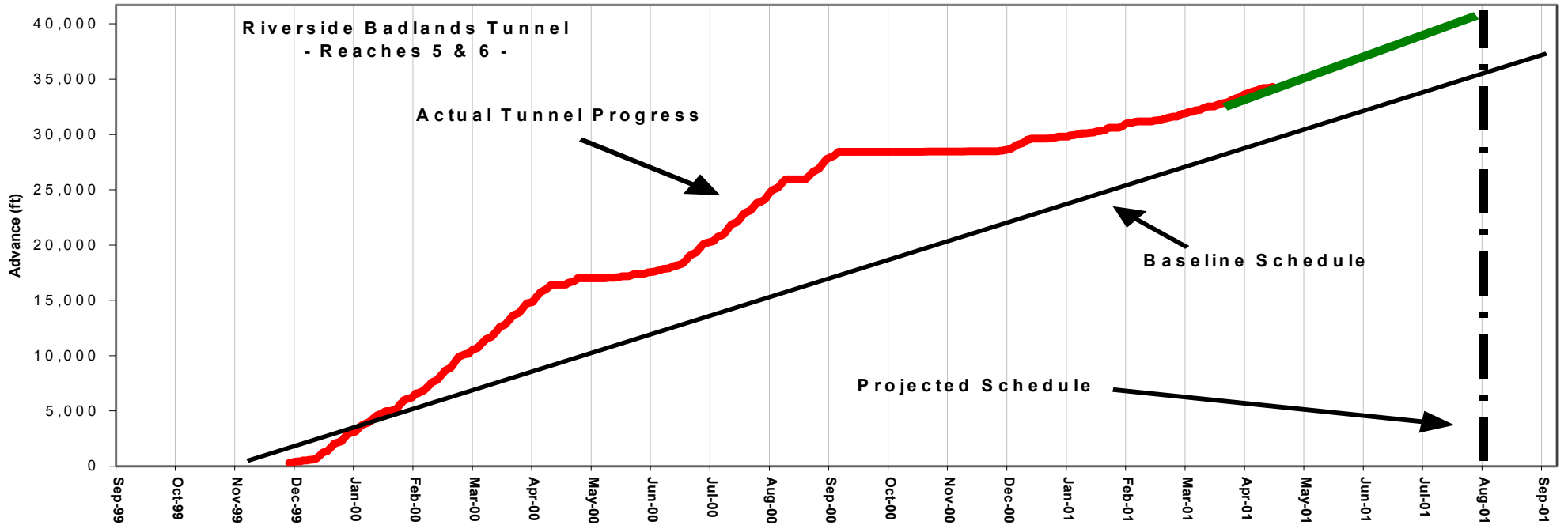
Date

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

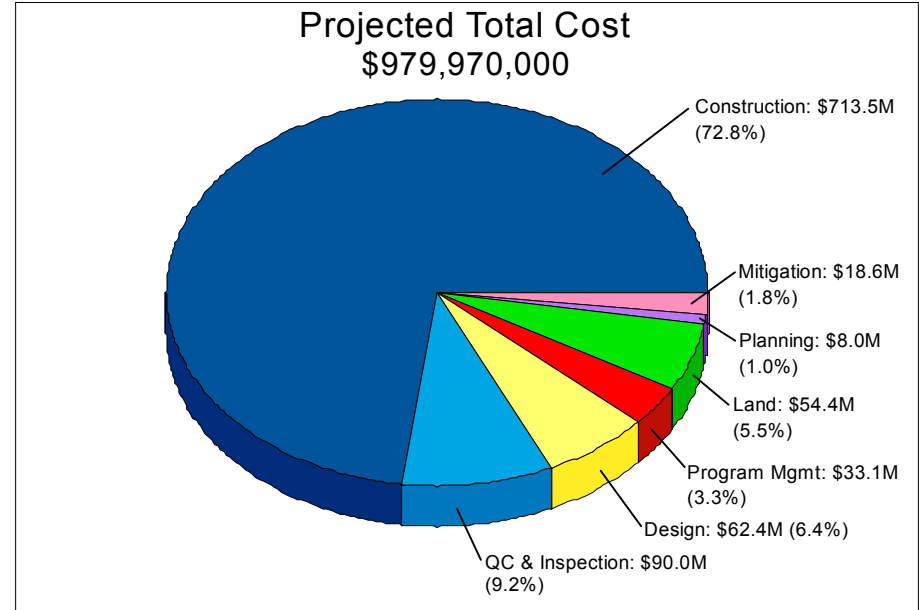
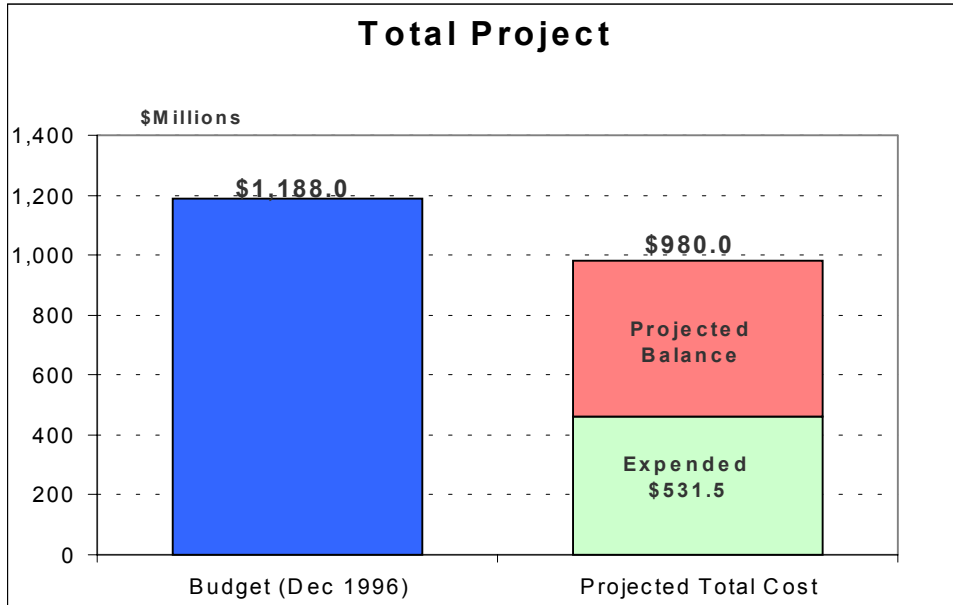
[Attachment 2 – Financial Summary/Project Cash Flow](#)

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

BLA #751

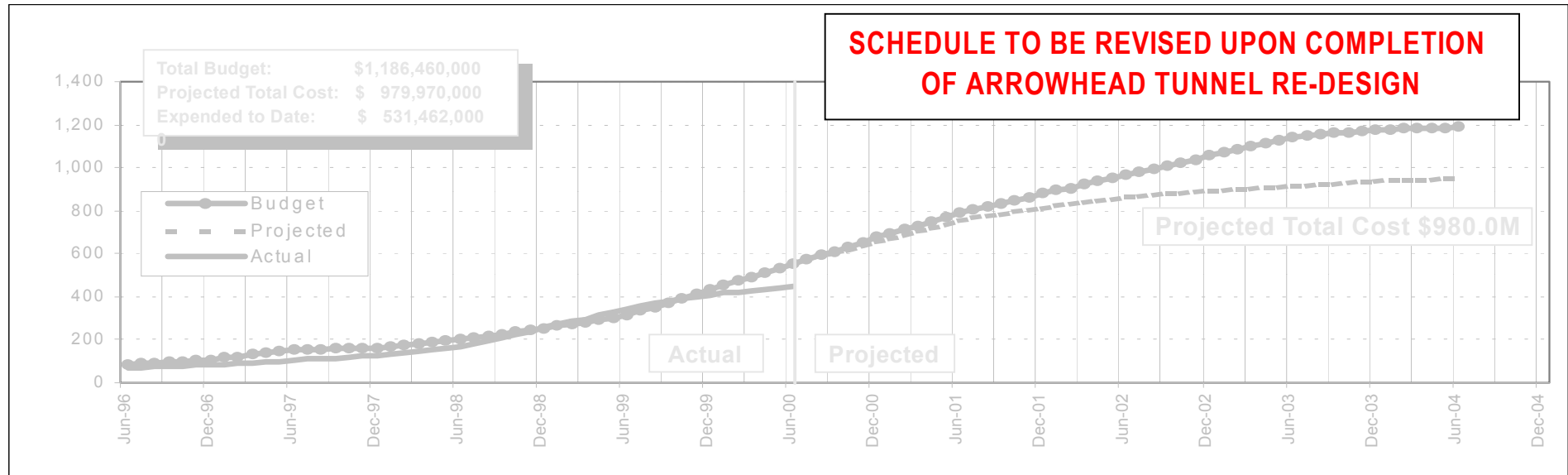


Financial Summary



1. Based on knowledge of current field conditions.

Project Cash Flow



Budget Comparison and Schedule Summary

	PRELIMINARY REBASELINE (JUN-2000) ⁽¹⁾	FORECAST (MAY-01)	ACTUALS THRU (MAY-01) ⁽²⁾	PROGRESS		COMPLETION DATE		COMMENTS
				PLANNED % COMPLETE	ACTUAL % COMPLETE (MAY-01) ⁽⁴⁾	CONTRACT (5)	FORECAST (MAY-01)	
Construction Reaches								
Arrowhead West Tunnel	\$ 211,728,000	\$ 210,188,000	\$ 57,182,000	----	25%	Dec-02	T.B.D.	On hold.
Arrowhead East Tunnel	\$ 281,607,000	\$ 281,607,000	\$ 128,239,000	----	38%	Jan-03	T.B.D.	On hold.
Highland Pipeline ⁽³⁾	\$ 57,199,000	\$ 51,813,000	\$ 7,203,000	0%	0%	-----	T.B.D.	In Design.
Mentone Pipeline	\$ 35,056,000	\$ 40,442,000	\$ 34,965,000	47%	94%	Mar-02	Oct-01	Under construction.
Riverside Badlands Tunnel	\$ 142,534,000	\$ 142,534,000	\$ 106,607,000	63%	74%	Aug-03	Apr-02	Under construction.
Riverside North Pipeline	\$ 57,984,000	\$ 57,984,000	\$ 55,253,000	100%	100%	Completed	Nov-99	Completed Nov. 99
Riverside South Pipeline	\$ 42,358,000	\$ 42,358,000	\$ 42,355,000	100%	100%	Completed	Aug-99	Completed Aug. 99
Construction Support								
Right-of-Way and Land	\$ 54,448,000	\$ 54,448,000	\$ 44,279,000	-----	81%	-----	-----	-----
Environmental Planning/Mitigation	\$ 18,598,000	\$ 18,598,000	\$ 11,237,000	-----	60%	-----	-----	-----
Owner Controlled Insurance Prog.	\$ 38,889,000	\$ 38,889,000	\$ 16,983,000	-----	44%	-----	-----	-----
Study/Initial Planning	\$ 8,024,000	\$ 8,024,000	\$ 8,024,000	-----	100%	-----	-----	-----
Program Management	\$ 33,085,000	\$ 33,085,000	\$ 19,135,000	-----	58%	-----	-----	-----
Projected Total Cost	\$ 981,510,000	\$ 979,970,000	\$ 531,462,000					
Remaining Budget	\$ 206,490,000	\$ 206,490,000						
Total Approved Budget	\$ 1,188,000,000	\$ 1,186,460,000						

- (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

