



● **Board of Directors**
Engineering and Operations Committee

February 8, 2000 Board Meeting

9-3

Subject

Construction of the Mentone Pipeline Segment of the Inland Feeder Project

Description

The Mentone Pipeline segment of the Inland Feeder Project spans approximately 2.5 miles across the Santa Ana River Wash and Opal Avenue in the San Bernardino community of Mentone before terminating at the Opal Avenue Portal site of the Riverside Badlands Tunnel.

Approval of this request will authorize the award of a construction contract to the low bidder, Shea Construction, Inc. (*), in the amount of \$15,397,000 to complete the construction of the pipeline. Funds for the Mentone Pipeline are included in the Project budget and within available appropriation. The Inland Feeder Project budget remains unchanged at \$1.188 billion (see [Attachment 1](#) for detailed report, [Attachment 2](#) for location map, [Attachment 3](#) for Abstract of Bids, and [Attachment 4](#) for MBE/WBE Participation).

(* - subsequent to bid-opening, the low bidder, *Avanco Constructors*, was acquired by *Shea Construction, Inc.* *Shea has provided written confirmation of the bid to Metropolitan.*)

Policy

Administrative Code Article 8103 - Competitive Bid.

Board Options/Fiscal Impacts

Option #1

Award a construction contract to the low bidder, Shea Construction, Inc., to perform the construction of the Mentone Pipeline of the Inland Feeder Project.

Fiscal Impact: \$15,397,000 expenditure of appropriated funds.

Option #2

Reject all bids and re-advertise the project. This would delay project completion. The delay could result in changed environmental conditions at the construction site, which is habitat to three federally endangered species.

Fiscal Impact: This option may or may not result in a bid less than \$15,397,000. Administrative costs would increase.


Staff Recommendation

Option #1



Roy L. Wolfe
Acting Manager, Corporate Resources

1/12/00
Date



Ronald R. Jester
General Manager

1/24/2000
Date

- Attachment 1 – (Detailed Report)**
- Attachment 2 – (Location Map)**
- Attachment 3 – (Abstract of Bids)**
- Attachment 4 – (MBE/WBE Participation)**

Detailed Report

The Mentone Pipeline is a 12-foot diameter welded steel pipeline which begins at the northern edge of the Santa Ana River Wash (SARW) near the city boundaries of Highland and Redlands. The pipeline crosses the SARW (approximately 3,100 feet), passing through the environmentally sensitive Woolly Star Preserve Area (WSPA) which contains two federally listed endangered plant species, the Woolly Star and Slender-horned Spineflower. Also present in the SARW is the endangered San Bernardino Kangaroo Rat which Metropolitan has mitigated for and received construction approval from the United States Fish and Wildlife Service. The pipeline passes through the active channel of the wash before exiting to the dedicated right-of-way of Opal Avenue. The pipeline then traverses below Opal Avenue in the community of Mentone for approximately 7,800 feet before connecting to the previously constructed 3,400-foot Mentone-Redlands Unified School District (RUSD) segment. The RUSD segment was completed in 1998 prior to the opening of the new East Valley High School adjacent to the alignment. From the connection at the southern end of the RUSD segment, the pipeline continues south along Opal Avenue for approximately 2,800 feet where it terminates at its future connection to the Riverside Badlands Tunnel at the Opal Avenue Portal (see Attachment 2 for map).

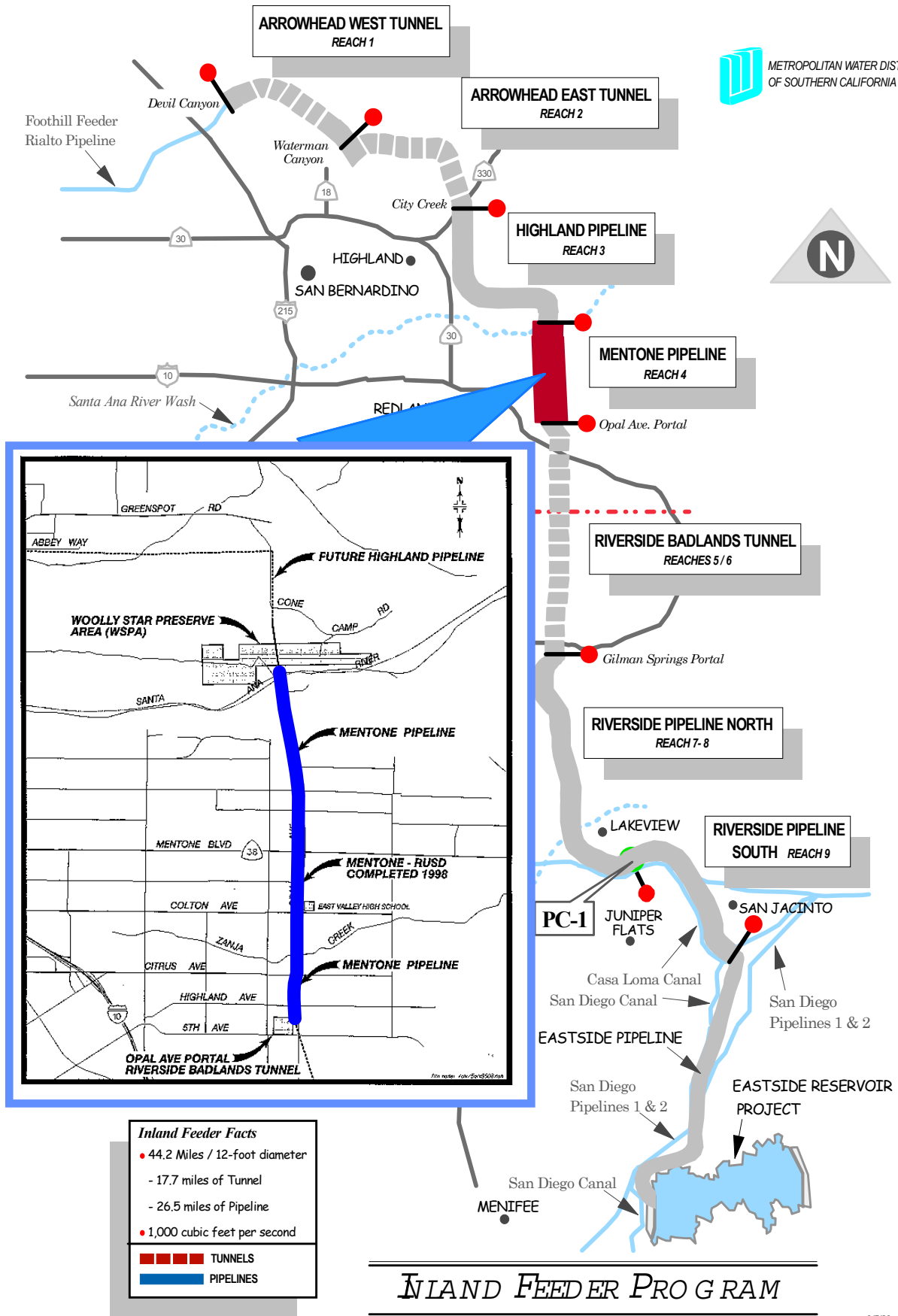
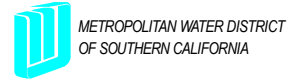
Construction in the SARW has been planned to minimize impacts in the WSPA and protect the pipe in the area of the active river channel. Although the majority of the pipe will have 8-10 feet of cover, the portion directly under the active wash will cross as an inverted siphon and have cover greater than 25 feet. This will preclude the potential for pipeline damage should excessive scour lower the existing channel bed elevations. The siphon length in this area is about 500 feet and construction will take place during the summer months when river flows are minimal, if any. In the WSPA, the pipeline has been strategically aligned to pass through areas that will minimize impacts to endangered species. Additionally, the construction corridor in the WSPA will be narrowed to further reduce impacts to plants. The welded steel pipe required to cross the wash has been procured by Metropolitan under previous Board approval and will be immediately available to the contractor.

Under Specification 1334A, as amended, the work to be performed consists of installing approximately 13,200 feet of 12-foot diameter welded steel pipe, performing tie-ins to the existing pipeline, repairing roads, replacing sewer line, constructing drainage structures, supporting and protecting existing utilities, replacing landscape, maintaining street closures and detouring traffic, and other applicable work.

Three bids were received and opened under Specifications No. 1334A, as amended, for the construction of the Mentone Pipeline and are shown on the Abstract of Bids (see Attachment 3). The responsible low bid from Shea Construction, Inc., in the amount of \$15,397,000, complies with the requirements of the specifications, is \$760,000 below the next lowest bid, and is \$1,173,000 below the engineer's estimate.

The specifications, as amended, established mandatory subcontracting requirements and required the bidder to conduct a good-faith effort to encourage participation of minority and women-owned business enterprises. The Business Outreach Office has reviewed the good-faith effort submitted by Shea Construction, Inc. and deemed it acceptable in meeting the criteria set forth in the specifications (See Attachment 4).

Costs for the Mentone Pipeline were previously planned and budgeted as part of the Inland Feeder Project. The budget for the Inland Feeder Project, which has been fully appropriated by the Board, remains unchanged at \$1,188,000,000.



MBE/WBE PARTICIPATION
Specifications No. 1334A, as Amended

Name of Bidder: Advanco Constructors, Div. of Zurn Constructors, Inc.

(Advanco Constructors is now Shea Construction, Inc.)

MBE/WBE Participation Levels: 5% MBE and 2% WBE

Name of Certified MBE/WBE Subcontractor/Supplier	Work to Be Performed or Materials To Be Supplied	Participation	
		MBE%	WBE%
MEI San Bernardino, CA	Electrical	0.19%	
Ace Fence Company – City of Industry, CA	Fencing		0.86%
Western Paving Contractors, Inc. - Irwindale, CA	AC Paving	0.55%	
Lowbed and Pipe Hauling Services, Inc. – Fontana, CA	Pipe Hauling		1.17%
Acacia Landscaping & Erosion Control, Inc. - Santa Barbara, CA	Hydroseeding		0.73%
Total Committed Participation		0.74%	2.76%