


AGENDA

**ENGINEERING COMMITTEE MEETING
LEUCADIA WASTEWATER DISTRICT**
Tuesday, September 6, 2011 – 8:30 a.m.
1960 La Costa Avenue, Carlsbad, CA 92009

- 1. Call to Order**
- 2. Roll Call**
- 3. Public Comment**
- 4. Old Business**
None.
- 5. New Business**
None.
- 6. Information Items**
 - A. Occidental Line Repair Project Update (Pages 1-2)
 - B. Leucadia and Batiquitos Force Main Corrosion Control Design Status – Verbal Report
 - C. Grandview Drive Pipeline Repair – Verbal Report
 - D. Status Update on the North San Diego County Regional Recycled Water Project – Verbal Report
- 7. Director's Comments**
- 8. General Manager's Comments**
- 9. Adjournment**

MEMORANDUM

Ref: 12-2994

DATE: September 1, 2011
TO: Engineering Committee
FROM: Paul J. Bushee, General Manager 
SUBJECT: Occidental Pipeline Repair Project Update

RECOMMENDATION:

This item is presented for information purposes.

DISCUSSION:

The City of Carlsbad (Carlsbad) is approaching completion on the design of the Occidental Pipeline Repair Project. Carlsbad has provided the project plans, including a revised cost estimate, for final review. The revised estimate, attached, lists the District's 40.3% share of the project cost as \$341,895. The initial cost estimate provided in January 2011 listed the District's share as \$206,392. The revised cost estimate exceeds the Fiscal Year 2011 appropriated amount of \$260,000 for project construction.

The primary reason for the increase in estimated construction cost is the addition of Cured-In-Place Pipe (CIPP) lining of 708 linear feet of 39 inch vitrified clay pipe (VCP). The CIPP lining replaces the original concept of a single spot repair of the line. Staff intends to wait until Carlsbad bids the project to determine the actual project cost before requesting an increase appropriation, if necessary, from the Board of Directors.

rym:PJB

Attachment

ENGINEER'S PROJECT COST ESTIMATE

ENGINEER'S CONSTRUCTION COST ESTIMATE					
PROJECT NAME: Occidental Sewer Repair		CIPP & Rehab Manholes			
PROJECT NO.: CP 5522					
Date: 8/15/11					
by: MB					
Item	Description	Units	Estimated Quantity	Unit Price	Total Item Price
	(CONSTRUCTION)				
1	pipeline cleaning/prep/investigation	LF	710	47	\$33,370
2	Manhole Rehab (arrowlock)	EA	8	15,000	\$120,000
3	Manhole Cone Remove Replace	EA	4	4,500	\$18,000
5	39" dia. Pipeline CIPP Rehab	LF	710	320	\$227,200
6	Sewer By-Pass	LS	1	120,000	\$120,000
7	Overflow Monitoring System	EA	1	5,425	\$5,425
8	CCTV & Cleaning & Inspection Report	LF	2509	4	\$10,036
9	Misc Cleaning & Surface Repairs	LS	1	20,000	\$20,000
10	Mobilization(8%)	LS	1	46,082	\$46,082
11	TC	LS	1	10,000	\$10,000
12	SWPPP	LS	1	6,000	\$6,000
SUBTOTAL CONSTRUCTION COSTS					\$616,113
20% CONTINGENCY					\$123,223
TOTAL CONSTRUCTION COST					\$739,336
	(ADMIN. COSTS)				
	Design (Staff)				\$15,000
	Geotech (Ninyo&Moore)				\$10,800
	Survey (Right-of-Way Eng)				\$5,740
	Environmental (Planning Systems)				\$3,566
	Const Mgt/Insp/Test(Incl.3rd Prty Lining Insp.)				\$73,934
TOTAL ADMINISTRATIVE COST					\$109,040
TOTAL PROJECT COST					\$848,376
Each Agency's Share of Cost based on Occidental Agreement , August 1972					
	LWD	40.3%			\$341,895
	City of Encinitas	19.7%			\$167,130
	City of Carlsbad	40.0%			\$339,350