



AKM Consulting Engineers

553 Wald
Irvine, CA 92618

Telephone: 949.753.7333

Facsimile: 949.753.7320

Water
Resources

Infrastructure

Construction
Management

March 30, 2012

City Clerk

City of Manhattan Beach

1400 Highland Avenue

Manhattan Beach, California 90266

Attention: Mr. Raul Saenz
Utilities Manager

Subject: Proposal for Extension of Contract No. 802-10, Engineering Services for Sanitary Sewer Lines

Dear Mr. Saenz,

AKM Consulting Engineers is pleased at the opportunity to respond to the City of Manhattan Beach's Request, to continue overseeing the work of subcontractors for closed circuit television (CCTV) inspections, sewer line cleaning, and manhole inspections; and conduct condition assessment of the inspected sewers for an additional two years. We have reviewed the identified Phase 3 inspection locations provided by City staff and shown on Figure 1. Phase 3 consists of approximately 48,500 feet or 9.2 miles of pipe and 182 manholes. The scope of work will be similar to the previous phases and will include the following:

- Cleaning and CCTV inspection of 9.2 miles of sewer pipe in accordance with National Association of Sewer System Companies (NASSCO) Pipeline Assessment and Condition Program (PACP) standards. The written reports and recording media will meet all reporting requirements as specified in the original Request for Proposal and will become the property of the City at the conclusion of the project.
- Detailed manhole inspection of 182 manholes.
- Structural rehabilitation analysis in accordance with the specification provided in Exhibit C of the original RFP. The same rating system used in previous inspection phases will be used for the evaluation of the sewers inspected for Phase 3.
- Deliverables will include maps of CCTV and deficiency locations, summary table with prioritizations, CCTV sewer line and manhole inspection reports and videos, POSM database for GIS interface, annual summary reports, and final report incorporating all analysis results with City's previous condition assessment presented in the Sewer Master Plan.

Our fee proposal is shown in Table 1.

Table 1 Engineering Services for Sanitary Sewer Lines Price Sheet for Year 4						
Task/Description	Project Manager	Project Engineer	Associate Engineer	Sub-contractor	Expenses	Total Cost
SEWER MAIN CLEANING and INSPECTION						
Gravity Sewers (48,500 feet = 9.2 miles)	4	4		\$50,500		\$51,880
Sewer Manholes (Qty = 182)	4	4		\$19,400		\$20,780
ENGINEERING EVALUATION						
Structural Rehabilitation and Analysis	12	40	120		\$2,726	\$25,286
Total Hours	20	48	120			
Hourly Rate	\$180	\$165	\$115			
Total Cost	\$3,600	\$7,920	\$13,800	\$69,900	\$2,726	\$97,946

*Note: Original contract work began June 28, 2010. CPI for LA County in June 2010 = 225.877
 CPI for February 2012 = 234.537 (March CPI not yet available)
 Year 4 Price = 1.038 x \$94,360 = \$97,946
 Year 5 Price = 1.Y%CPI for Los Angeles County x Year 4 Price*

We thank you in advance for your attention and we look forward to being of continued service to the City of Manhattan Beach. Should you have any questions or require any additional information, please do not hesitate in contacting the undersigned.

Very truly yours,

AKM Consulting Engineers

Diann Pay, P.E.
 Associate