

**CALENDAR ITEM
C70**

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04/26/05

S 27, 28

W 10439

C. Duda

**CONSIDER PRIOR APPROVAL OF SUBSIDENCE COSTS
FOR VERTICAL MEASUREMENTS AND STUDIES,
2005-2006 FISCAL YEAR, CITY OF LONG BEACH,
LOS ANGELES COUNTY**

APPLICANT:

City of Long Beach
Department of Oil Properties
Attn.: Mr. Christopher J. Garner, Director
211 E. Ocean Blvd., Suite 500
Long Beach, CA 90802

BACKGROUND:

The City of Long Beach (City) conducts ground elevation measurement surveys and studies twice each year throughout the Harbor District for the purpose of monitoring changes that may be attributable to subsidence. The project consists of vertical measurements and studies in the City of Long Beach between July 1, 2005 and June 30, 2006. A major portion of the work effort and cost is in the vertical measurement (elevation) surveys and studies. The City estimates the cost of the work to be:

Vertical Measurements	\$133,250
Fixed GPS Base Stations	\$101,500
Studies, Evaluations, and Reports	<u>\$198,750</u>
	\$433,500

Historically, the primary method for monitoring vertical subsidence in Long Beach has been spirit leveling. The semi-annual surveys are now being conducted utilizing state of the art Global Position Satellite (GPS) technology. The

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estimated survey costs reflect continued operating efficiencies for GPS surveying. Field data collection time has been reduced by 50 percent (50%), and the 800 spirit leveled benchmarks have been reduced to approximately 200 GPS benchmarks. Since implementing the GPS technology, costs for vertical measurements have significantly decreased. Costs for vertical measurements for fiscal year 2005/2006 include survey acquisition, professional processing, reporting, benchmark maintenance, and mobile GPS equipment repair.

The estimated cost for fixed GPS stations includes base station service/maintenance, monitoring, equipment repairs, and technical support from the consultant. Costs have increased from fiscal year 2004-2005 budget reflecting a renegotiated base station service/maintenance contract and three required upgrades to the GPS system.

FISCAL IMPACT:

Subsidence costs for vertical measurements and studies conducted in Long Beach are deducted from the Long Beach tidelands oil revenues, with the prior approval of the California State Lands Commission in accordance with Chapter 138, Statutes of 1964, First Extraordinary Session, Section 1(e).

STATUTORY AND OTHER REFERENCES:

- A. The proposed expenditures are authorized by Chapter 138, Statutes of 1964, First Extraordinary Session, Section 1(e) subject to prior approval by the California State Lands Commission.

OTHER PERTINENT INFORMATION:

- 1. The City of Long Beach has determined that the project is exempt from the requirements of the CEQA as a categorically exempt project under Class 6, Information Collection, Title 14, California Code of Regulations, section 15306.
- 2. Pursuant to the Commission's delegation of authority and the State CEQA Guidelines (Title 14, California Code of Regulations, section 15061), staff recommends that the Commission concur with the City's determination.

EXHIBITS:

- A. Location Map
- B. Cost Estimate

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PERMIT STREAMLINING ACT DEADLINE:

N/A

RECOMMENDED ACTION:

IT IS RECOMMENDED THAT THE COMMISSION:

CEQA FINDING:

CONCUR WITH THE CITY OF LONG BEACH'S DETERMINATION THAT THE PROPOSED ACTIVITY IS EXEMPT FROM THE REQUIREMENTS OF CEQA AS A CATEGORICALLY EXEMPT PROJECT, CLASS 6, INFORMATION COLLECTION; AND

AUTHORIZATION:

APPROVE SUBSIDENCE COSTS, AS DEFINED IN CHAPTER 138, STATUTES OF 1964, FIRST EXTRAORDINARY SESSION, SECTION 1(e) AND AS SHOWN ON EXHIBIT B, ATTACHED HERETO, BY THIS REFERENCE MADE A PART HEREOF, PROPOSED TO BE EXPENDED BY THE CITY OF LONG BEACH, FOR SUBSIDENCE VERTICAL MEASUREMENTS AND STUDIES TO BE CONDUCTED IN THE LONG BEACH HARBOR DISTRICT BETWEEN JULY 1, 2005 AND JUNE 30, 2006, SUBJECT TO THE CONDITION THAT THE WORK CONFORMS IN ESSENTIAL DETAILS TO THE DEFINITIONS AND PROCEDURES FOR SUCH WORK ESTABLISHED BY THE COMMISSION ON JUNE 27, 1979, MINUTE ITEM 27.

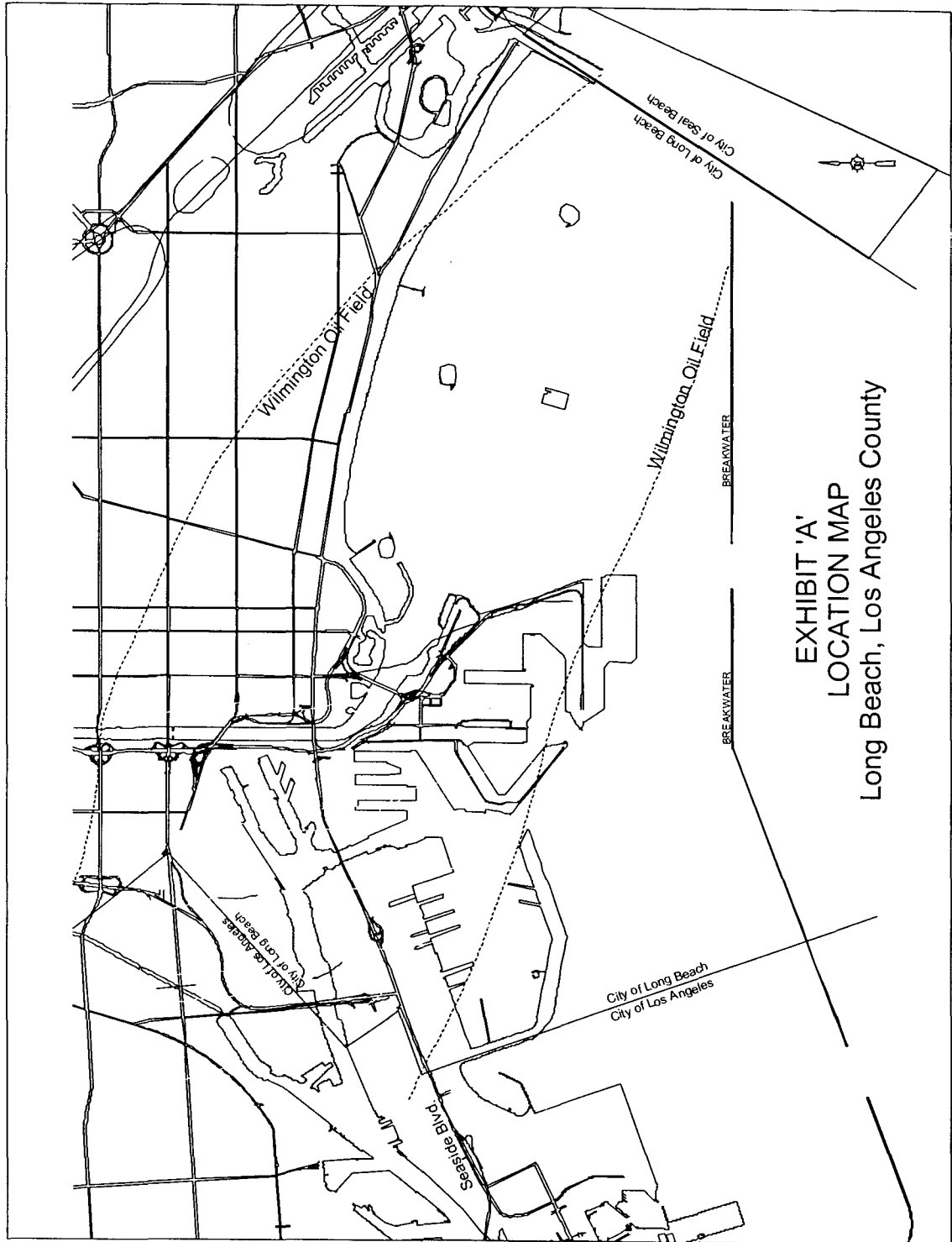


EXHIBIT B

COST ESTIMATE
LONG BEACH WORK ORDER NO. W 10439
Estimates Submitted by City of Long Beach for
Subsidence Vertical Surveys
2005-2006 Fiscal Year

<u>ITEM</u>	<u>PROPOSED WORK</u>	<u>RECOMMENDED APPROVAL</u>
1.	Vertical Measurements	\$133,250
2.	Fixed GPS Base Stations	\$101,500
3.	Studies, Evaluations, and Reports	<u>\$198,750</u>
	Total	\$433,500