MINUTE ITEM
This Calendar Item No. C78 was approved as Minute Item No. 78 by the California State Lands Commission by a vote of 3 to 0 at its 05/10/07 meeting.

CALENDAR ITEM
C78

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05/10/07
W 10441
C. Duda

CONSIDER PRIOR APPROVAL OF SUBSIDENCE COSTS FOR VERTICAL MEASUREMENTS AND STUDIES, 2007-2008 FISCAL YEAR, CITY OF LONG BEACH, LOS ANGELES COUNTY

APPLICANT:

City of Long Beach
Long Beach Gas and Oil Department
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 and in other areas in the City for the purpose of monitoring changes that may be attributable to subsidence. The project consists of vertical measurements and studies in the City between July 1, 2007 and June 30, 2008. 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	$157,500
Three Month Hot Spot Survey	$ 26,000
Fixed GPS Base Stations	$143,250
Studies, Evaluations, and Reports	$254,500
	$581,250

Last year's cost was $532,700. 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

000063
CALENDAR PAGE

001260
MINUTE PAGE

Global Position Satellite (GPS) technology. The estimated survey costs reflect continued operating efficiencies for GPS surveying. Field data collection time has been reduced, and the 800 spirit leveled benchmarks have been reduced to approximately 200 GPS benchmarks. Costs for vertical measurements for fiscal year 2007-2008 include survey acquisition, professional processing, reporting, and benchmark maintenance. The estimated vertical survey costs have decreased from the 2006-2007 budget due to lower anticipated survey equipment repair costs from longer than expected equipment life.

The three-month hot spot surveys encompass expenditures for elevation surveys over limited oil field areas. These surveys are needed to supplement the existing six-month surveys in areas where greater than anticipated changes in elevations have occurred.

The estimated cost for fixed GPS stations includes station service/ maintenance of the thirteen permanent GPS base stations that monitor elevations on a continuous basis and technical support from the consultant. Costs have increased from fiscal year 2006-2007 budget, reflecting an increase in the professional support contract with the consultant and the required replacement of the central GPS server and computer that have reached serviceable life.

FISCAL IMPACT:

Subsidence costs for vertical measurements and studies conducted in the City 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 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

PERMIT STREAMLINING ACT DEADLINE:

N/A (not a "development project" subject to the Act).

RECOMMENDED ACTION:

IT IS RECOMMENDED THAT THE COMMISSION:

CEQA FINDING:

CONCUR WITH THE CITY'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 CITY OF LONG BEACH BETWEEN JULY 1, 2007 AND JUNE 30, 2008, 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.

W 10441

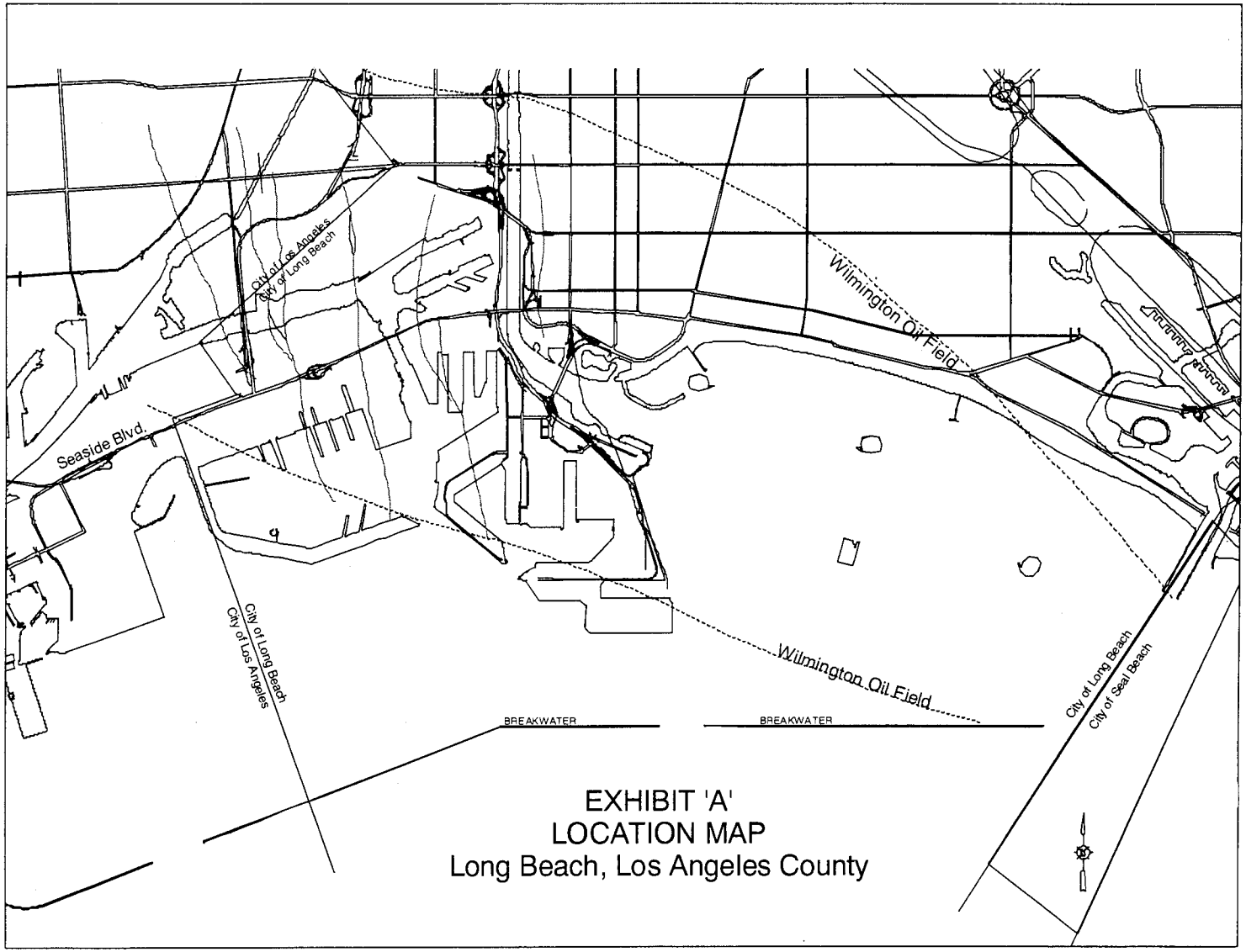

EXHIBIT 'A'
LOCATION MAP
Long Beach, Los Angeles County

CALENDAR PAGE
MINUTE PAGE

05/10/07
W 10441
C. Duda

EXHIBIT B

COST ESTIMATE
LONG BEACH WORK ORDER NO. W10441
Estimates Submitted by City of Long Beach for
Subsidence Vertical Surveys
2007-2008 Fiscal Year

ITEM	PROPOSED WORK	RECOMMENDED APPROVAL
1.	Vertical Measurements	$157,500
2.	Three Month Hot Spot Survey	$ 26,000
3.	Fixed GPS Base Stations	$143,250
4.	Studies, Evaluations, and Reports	$254,500
	Total	**$581,250**