

STAFF REPORT

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04/29/20
W 10443
R. B. Greenwood

CONSIDER APPROVAL OF SUBSIDENCE MONITORING COSTS FOR VERTICAL MEASUREMENTS AND STUDIES, 2020-2021 FISCAL YEAR, CITY OF LONG BEACH, LOS ANGELES COUNTY

GRANTEE:

City of Long Beach

BACKGROUND:

The City of Long Beach (City) conducts ground elevation measurement surveys and studies twice each year (fall and spring) throughout the Harbor District for the purpose of monitoring changes attributable to subsidence. Costs for conducting these surveys and studies in Long Beach are deducted from the Long Beach Tidelands Oil Revenues, with the prior approval of the Commission in accordance with Chapter 138, Statutes of 1964, Extraordinary Session, section 1(e). The surveys will consist of vertical measurements and studies in the City between July 1, 2020, and June 30, 2021. The City estimates the cost of the work as shown below:

Table 1. City's Estimated Costs of Proposed Work

PROPOSED WORK	RECOMMENDED APPROVAL
Global Positioning System (GPS) Real-Time Network (RTN) Hardware/Software	\$133,650
Management, GPS Evaluation Surveys, and Reports (Staff)	\$623,609
Total	\$757,259

The semiannual surveys are being conducted via GPS and RTN technology. Field data collection time has been reduced, and the 800 spirit-leveled benchmarks have been replaced with approximately 240 GPS benchmarks. The projected 2020-2021 total cost is \$757,259, a decrease of \$14,147 (-2 percent) from the current fiscal year's projected cost of \$771,406.

GPS and RTN Hardware/Software

Proposed costs for vertical measurements for Fiscal Year 2020-2021 (\$133,650) have decreased \$2,200 from the current fiscal year projection,

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due the greater efficiency and lower cost of the GPS hardware replacement. A 10 percent contingency is also added for other unforeseen GPS equipment costs or repairs.

Management, GPS Elevation Surveys, and Reports

The Management, GPS Elevation Surveys, and Report cost category includes costs for GPS elevation surveys by City professional staff and/or contract surveyors, in-house studies, evaluations, report generation, and daily oil field surveillance and monitoring. Projected contracted staff costs for Fiscal Year 2020-2021 (\$623,609) are \$11,947 less than the current fiscal year (\$635,556), primarily due to personnel changes. A contingency of 10 percent has been added to cover the costs of any additional staff time or future increases in employee benefits.

STAFF RECOMMENDATION:

Staff has reviewed the City's proposal for conducting the ground elevation measurement surveys and studies for the purpose of monitoring changes attributable to subsidence. Staff believes the City's proposal is reasonable and consistent with Chapter 138, Statutes of 1964, First Extraordinary Session. Therefore, staff recommends the Commission approve the proposed subsidence monitoring costs.

OTHER PERTINENT INFORMATION:

1. On June 27, 1979, the Commission approved proposed expenditures for subsidence maintenance and repairs and subsidence studies ([Item 27, June 27, 1979](#)). Exhibit B of that Item included the procedures for performing subsidence studies and reimbursement for associated costs. Work performed under this Fiscal Year 2020-2021 proposal will conform to the standards identified in that document. Anticipated costs for Fiscal Year 2019-2020 were presented in ([Item C80, April 5, 2019](#)).
2. Subsidence monitoring is consistent with Strategy 1.5 of the Commission's Strategic Plan to ensure the highest level of environmental protection and public safety in the production and transportation of oil and gas resources by applying Key Action 1.5.2, ensuring lease and contract compliance with sound oil and gas development practices in compliance with regulatory and statutory requirements.
3. Staff recommends that the Commission find that this activity is exempt from the requirements of the California Environmental Quality Act (CEQA) as a categorically exempt project. The project is exempt under Class 6, Information Collection; California Code of Regulations, title 14, section 15306.

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Authority: Public Resources Code section 21084 and California Code of Regulations, title 14, section 15300.

EXHIBITS:

- A. Location Map
- B. Cost Estimate Fiscal Year 2020-2021

RECOMMENDED ACTION:

It is recommended that the Commission:

CEQA FINDING:

Find that this activity is exempt from the requirements of CEQA pursuant to California Code of Regulations, title 14, section 15061 as a categorically exempt project, Class 6, Information Collection; California Code of Regulations, title 14, section 15306.

AUTHORIZATION:

Approve subsidence costs, as defined in Chapter 138, Statutes of 1964, First Extraordinary Session, section 1(e), as shown on the attached Exhibit B and 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, 2020, and June 30, 2021, subject to the condition that the work conforms in essential details to the definitions and procedures for such work established by the Commission at its June 27, 1979 meeting, Item 27.

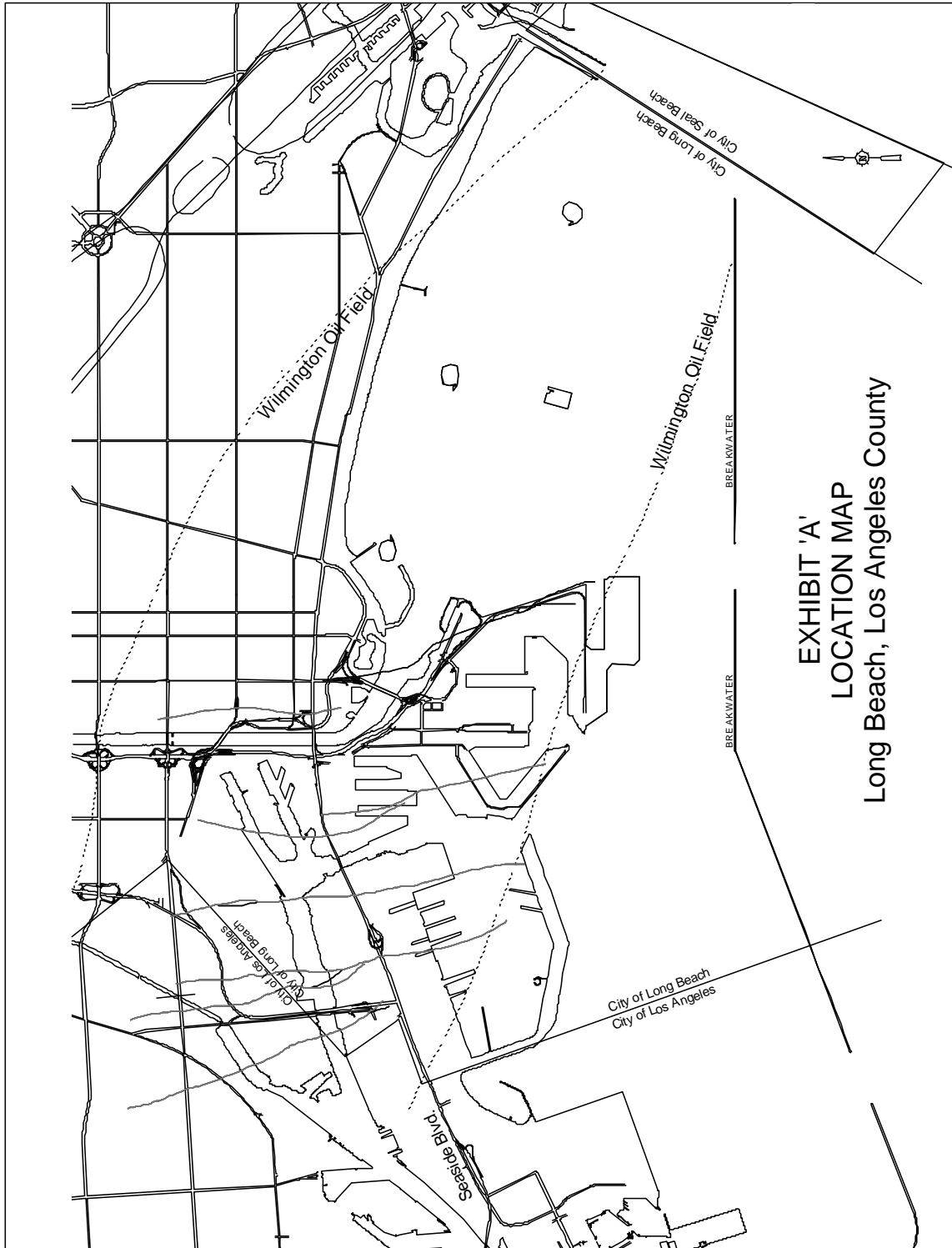


EXHIBIT B

W 10443

COST ESTIMATE
LONG BEACH WORK ORDER NO. 10443
Estimates Submitted by City of Long Beach for
Subsidence Vertical and Horizontal Surveys
Fiscal Year 2020-2021

ITEM	PROPOSED WORK	RECOMMENDED APPROVAL
1.	Global Positioning System (GPS) Real-Time Network (RTN) Hardware/Software	\$133,650
2.	Management, GPS Evaluation Surveys, and Reports (City Staff)	\$623,609
	Total	\$757,259