

07-LA-1 PM 7.71/9.23,
07-LA 103 PM 1.03/2.61,
07-LA-107 PM 2.26/3.22, 3.78/3.93,
07-LA-110 6.52/8.57,
07-LA 213 PM 7.76/9.10,
07-LA-405 PM 8.19/14.40, 14.94/15.31

Implementation of the Dominguez Channel Estuary
Bathymetry and Sediment Transport Study
Caltrans Agreement No. 07-5154
E-FIS: 0015000014, EA: 07-910217

35438

MEMORANDUM OF AGREEMENT
BETWEEN

THE CITY OF CARSON, THE CITY OF LONG BEACH, THE CITY OF LOS ANGELES,
THE CITY OF TORRANCE, CALIFORNIA DEPARTMENT OF TRANSPORTATION,
THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT, AND THE COUNTY OF
LOS ANGELES

REGARDING THE ADMINISTRATION AND COST SHARING FOR
IMPLEMENTATION OF THE DOMINGUEZ CHANNEL ESTUARY
BATHYMETRY AND SEDIMENT TRANSPORT STUDY

This Memorandum of Agreement (MOA), is made and entered into between THE CITY OF CARSON, a municipal corporation, THE CITY OF LONG BEACH, a municipal corporation, THE CITY OF LOS ANGELES, a body corporate and politic, and THE CITY OF TORRANCE, a municipal corporation, CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS), LOS ANGELES COUNTY FLOOD CONTROL DISTRICT (LACFCD), a body corporate and politic, and THE COUNTY OF LOS ANGELES (COUNTY), a political subdivision of the State of California. Collectively, these entities shall be known herein as "PARTIES" or individually as "PARTY."

WITNESSETH

WHEREAS, the Regional Water Quality Control Board, Los Angeles Region (Regional Board) adopted the National Pollutant Discharge Elimination System Municipal Separate Storm Sewer System Permit Order No. R4-2012-0175 (MS4 Permit); and

WHEREAS, the MS4 Permit became effective on December 28, 2012 and requires that the LACFCD, COUNTY, and 84 of the 88 cities (excluding Avalon, Lancaster, Long Beach, and Palmdale) within the County of Los Angeles comply with the prescribed elements of the MS4 Permit; and

WHEREAS, the NPDES Statewide Storm Water Permit Waste Discharge Requirements (WDRS) for State of California Department of Transportation (Caltrans) became effective on September 19, 2012 and requires Caltrans to comply with the prescribed elements of the NPDES Permit for Caltrans; and

WHEREAS, the United States Environmental Protection Agency (USEPA) established the Total Maximum Daily Loads for Toxic Pollutants on March 23, 2012, with the intent of protecting and improving water quality in the Dominguez Channel and the Greater Los Angeles and Long Beach Harbor Waters (Dominguez Channel Toxics TMDL); and

WHEREAS, the Dominguez Channel Toxics TMDL and its requirements have been incorporated into the MS4 Permit; and

WHEREAS, the PARTIES as listed in Exhibit B, have collaborated and completed development of a Contaminated Sediment Management Plan (CSMP) for the PARTIES to comply with certain elements of the MS4 Permit; and

WHEREAS, the Contaminated Sediment Management Plan (CSMP) identifies three special studies that would eventually guide the approach to the future sediment management actions, beginning with the Bathymetry and Sediment Transport Study (Special Study); and

WHEREAS, the PARTIES agree that each shall assume full and independent responsibility for ensuring its own compliance with the MS4 Permit despite the collaborative approach of the MOA; and

WHEREAS, the COUNTY on behalf of the PARTIES, prepared a final Scope of Work, attached hereto as Exhibit C and incorporated herein by reference, and Request for Proposal to obtain a consultant to execute the Special Study for the PARTIES to comply with certain elements of the MS4 Permit; and

WHEREAS, the PARTIES expect that the consultant retained pursuant to this MOA will execute the Special Study in compliance with certain elements of the MS4 Permit; and

WHEREAS, the PARTIES have determined that hiring a consultant to execute the Special Study will be beneficial to the PARTIES and they desire to participate and will provide funding in accordance with the cost allocation in Table 3 of Exhibit A; and

WHEREAS, the COUNTY, on behalf of the PARTIES, has retained a consultant, CDM Smith Inc.; and

WHEREAS, the COUNTY will act on behalf of the PARTIES in the administration of the consultant service agreement for the execution of the Special Study; and

WHEREAS, the PARTIES have agreed that the total cost for developing the Special Study shall not exceed \$427,692 including contract administration cost and a 5% contingency; and

WHEREAS, other MS4 Permittees may wish to participate in the Special Study;
and

WHEREAS, the PARTIES contemplate allowing other MS4 Permittees to participate in the Special Study and fund their pro-rata share in accordance with Table 2 of Exhibit A; and

WHEREAS, the PARTIES agree that other MS4 Permittees may join in this MOA by entering into an amendment to this MOA, to be executed by the COUNTY on behalf of the remaining PARTIES. When doing so, the COUNTY shall not bind the PARTIES to an obligation that is greater than what is stated in this original agreement. The net result of such amendment(s) should reduce the currently shown pro rata share of the PARTIES.

NOW, THEREFORE, in consideration of the mutual benefits to be derived by the PARTIES, and of the promises contained in this MOA, the PARTIES agree as follows:

Section 1. Recitals: The recitals set forth above are fully incorporated as part of this MOA.

Section 2. Purpose: The purpose of this MOA is to execute the Bathymetry and Sediment Transport Study Special as specified in the CSMP.

Section 3. Cooperation: The PARTIES shall fully cooperate with one another to attain the purpose of this MOA.

Section 4. Voluntary: This MOA is voluntarily entered into for the purpose of executing the Bathymetry and Sediment Transport Study Special as specified in the CSMP.

Section 5. Term: This MOA shall become effective as to each PARTY on the date that PARTY signs this MOA, and shall remain in effect for 5 years OR until (1) the Regional Board gives final approval to the last outstanding portion of the Special Study, (2) the COUNTY has provided written notice of completion of the Scope of Work attached hereto, and (3) the COUNTY has received payment by all PARTIES of their allocated pro-rata share hereunder, whichever comes later.

Section 6. Assessment for Proportional Cost for Special Study: The PARTIES agree to pay the COUNTY for execution of the Special Study in the amounts shown in Table 3 of Exhibit A, based on the cost allocation formula shown in Table 2 of Exhibit A, attached hereto and made part of this MOA by this reference. The COUNTY will invoice the PARTIES upon execution of this MOA as shown in Table 3 of Exhibit A, based on the allocated costs for execution of the Special Study.

Section 7. COUNTY Agrees:

- a. To utilize the funds deposited by the PARTIES only for the administration of the consultant contract, project management, and the preparation and completion of the Special Study.
- b. To contract with the consultant retained pursuant to this MOA and to be responsible for coordinating the activities of the consultant. The COUNTY will be compensated for the administration and management of the consultant contract at a percentage of five percent (5%) of each PARTY'S contract cost for execution of the Special Study as described in Table 3 of Exhibit A. The COUNTY will comply with all procurement requirements applicable to said selection. The COUNTY shall ensure adherence to the Scope of Work attached as Exhibit C.
- c. To provide an accounting within ninety (90) days after the termination of the MOA or within ninety (90) days of cancellation thereof and return to each PARTY its proportional share of the unused portion of all funds deposited with the COUNTY, if any, in accordance with the cost allocation formula in Table 2 of Exhibit A, or reallocated for use in the next Special Study by means of an amendment to this MOA or as a provision in a new MOA.
- d. To notify the PARTIES in writing if the actual cost of the execution of the Special Study will exceed the cost shown in Exhibit A and obtain written approval of the increase from the PARTIES. Upon written approval of the increased costs by the PARTIES, the COUNTY will invoice the PARTIES per the cost allocation formula in Table 2 of Exhibit A for these additional expenditures at an amount not to exceed five percent (5%) of the original cost estimate as shown in Exhibit A. This five percent (5%) contingency will not be invoiced unless actual expenditures exceed the original cost. Expenditures that exceed the five percent (5%) contingency will require an amendment to this MOA.
- e. The PARTIES have sixty (60) days from receipt of the invoice to provide the payment to COUNTY.

Section 8. The PARTIES further agree:

- a. To make a full faith effort to cooperate with one another to achieve the purposes of this MOA by providing information about project opportunities, reviewing deliverables in a timely manner, and informing their respective administration, agency heads, and/or governing body.
- b. To fund the cost of the execution of the Special Study and to pay the COUNTY for the execution of the Special Study based on the cost allocation shown in Table 3 of Exhibit A within sixty (60) days of receiving an invoice.

- c. To grant reasonable access rights and entry to the consultant, on an as-needed basis during the terms of this MOA, to any PARTY'S storm drains, channels, catch basins, and related properties (FACILITIES) to achieve the purposes of this MOA, provided, however that prior to entering any PARTY'S FACILITIES, the COUNTY or the consultant shall provide written notice to such PARTY at least seventy-two (72) hours in advance. For the purposes of this provision, written notice shall include notice delivered via e-mail that has been delivered to the applicable PARTY representative identified on Exhibit B.
- d. That other MS4 Permittees may join in this agreement by entering into an amendment to this MOA, provided that (1) all PARTIES to this MOA agree to allow the MS4 Permittee to participate in the Special Study and agree on the amount that MS4 Permittee will be required to contribute; and (2) the amendment will not increase the cost share of any existing PARTY to this MOA. Notwithstanding section 12(e) of this MOA, the PARTIES agree that an amendment to add such an MS4 Permittee as a contributing participant in the Special Study may be executed by the COUNTY on behalf of the remaining PARTIES, and that, upon execution of such an amendment by the COUNTY and the MS4 Permittee, that MS4 Permittee will become a PARTY to this MOA and shall be subject to all the rights, duties, and obligations set forth in this MOA. When doing so, the COUNTY shall not bind the PARTIES to an obligation that is greater than what is stated in this original agreement. The net result of such amendment(s) should reduce the currently shown pro rata share of the PARTIES.
- e. Grant of Access Rights Onto Caltrans Right of Way – Any party intending to enter onto a Caltrans right of way shall first make a written request to Caltrans, identifying the site location, extent of access by persons (and equipment, if any), dates and times of entry, as well as an explanation of the purpose of that entry. Caltrans shall thereafter determine, within ten (10) working days, if that entry will be allowed without a formal Encroachment Permit issued by the District Permit Engineer as an authorized presence of non-Caltrans parties not interfering with or threatening the safety of the traveling public or the integrity of the Caltrans infrastructure. In such case, Caltrans shall condition that right of entry on the accompaniment of a Caltrans representative who shall be empowered to restrict or limit the access of those permittees, as deemed necessary, at the sole discretion of Caltrans. Where adverse impacts to traffic or the traveled way can be anticipated by Caltrans, Caltrans may require the requesting party to submit a formal Encroachment Permit application, to be filed and completed together with Traffic Control Plans when necessary (which must be prepared by or under the supervision of a traffic engineer licensed in the State of California) with the District Permit Engineer. An Encroachment Permit may require as much as six (6) weeks to be issued depending upon the extent of coordination and development of traffic controls required for that access.

Caltrans will endeavor, in good faith, to satisfy all requests for access as promptly as possible.

- f. Caltrans Obligations - All obligations of Caltrans under the terms of this MOA are subject to the appropriation of the resources by the Legislature and the allocation of resources by the California Transportation Commission. This MOA has been written before ascertaining the availability of federal or state legislative appropriation of funds, for the mutual benefit of the Parties in order to avoid program and fiscal delays that would occur if the MOA was executed after that determination was made. This MOA is valid and enforceable as to Caltrans as if sufficient funds have been made available to Caltrans by the United States Government or California State Legislature for the purposes set forth in this MOA. If the United States Government or the California State Legislature does not appropriate sufficient funds for Caltrans to participate in this MOA, this MOA may be amended in writing by the Parties to reflect any agreed upon reduction in the percentage of funds contributed by Caltrans to continue its participation in this MOA. Caltrans, however, has the option to withdraw from this MOA in the event sufficient funds are not appropriated for Caltrans. Should Caltrans exercise its option to withdraw from this MOA, Caltrans shall remain responsible for its share of liability, if any, incurred while participating in this MOA.

Section 9. Invoice and Payment

- a. Payment: The PARTIES shall reimburse the COUNTY for their proportional share cost for execution of the Special Study as shown in Table 3 of Exhibit A within sixty (60) days of receiving an invoice from the COUNTY.
- b. Invoice: The COUNTY will invoice PARTIES as shown in Table 3 of Exhibit A. Each PARTY will be invoiced upon its execution of this MOA.
- c. Caltrans agrees to pay the COUNTY not exceeding the amounts shown in Exhibit A and based on the cost allocation formula in Table B and the total estimated annual cost in Exhibit A attached hereto and made part of the MOA by this reference.
- d. Caltrans funding encumbered under this MOA is evidenced by the signature of its District Budget Manager certifying as to funds in the maximum sum of \$13,229 as indicated in Exhibit A having been allocated and represents Caltrans' share of the work costs including contract administration fee and a 5% contingency as specified in Section 7(d) of this MOA. Any cost to be invoiced above this sum will require an amendment to this MOA.

Section 10: Indemnification

- a. To the extent permitted by law, each PARTY shall indemnify, defend, and hold harmless each other PARTY, including its special districts, elected and appointed officers, employees, agents, attorneys, and designated volunteers from and against any and all liability, including, but not limited to demands, claims, actions, fees, costs, and expenses (including reasonable attorney's and expert witness fees), arising from or connected with the respective acts of each PARTY arising from or related to this MOA; provided, however, that no PARTY shall indemnify another PARTY for that PARTY's own negligence or willful misconduct.
- b. Neither the MOA Party nor any officer or employee thereof is responsible for any injury, damage or liability occurring by reason of anything done or omitted to be done by the other MOA Party(s) and/or its agents under or in connection with any work, authority or jurisdiction conferred upon the other MOA Party(s) under this MOA. It is understood and agreed that indemnifying Parties and/or their agents, to the extent permitted by law, shall fully defend, indemnify and save harmless other MOA Parties and all its officers and employees from all claims, suits or actions of every name, kind and description brought forth under, including, but not limited to, tortious, contractual, inverse condemnation or other theories or assertions of liability occurring by reason of anything done or omitted to be done by the indemnifying Party and/or its agents under this MOA.

Section 11. Termination or Forfeiture

- a. This MOA may be terminated upon the express written agreement of all PARTIES. If this MOA is terminated, the PARTIES agree that remaining funds deposited, if there are any after payment of invoices due at the time of termination, will be distributed based upon the same percentage as such funds were contributed. Completed work shall be owned by all PARTIES. Rights to uncompleted work by the Consultant still under contract will be held by the PARTY or PARTIES who fund the completion of such work.
- b. If a PARTY fails to substantially comply with any of the terms or conditions of this MOA, that PARTY shall forfeit its rights to work completed through this MOA, but no such forfeiture shall occur unless and until the defaulting PARTY has first been given notice of its default and, a reasonable opportunity to cure the alleged default.
- c. Caltrans maximum liability for costs shall be limited to the amount reflected in Exhibit A, and incurred by the COUNTY up to the date of the termination, unless an additional 5% increase with written approval is incurred due to contingency as specified in Section 7(d) of this MOA.

- d. **Withdrawal** by any PARTY from the terms of the Agreement. Any PARTY to this Agreement can withdraw from this Agreement upon all PARTIES agreeing to an amendment of AGREEMENT to remove the withdrawing PARTY from it. If one of the PARTIES elects to withdraw from cost sharing of the Special Study before the end of the term of this Agreement, it is agreed that the remaining cost share will be distributed among the other PARTIES based on the existing cost allocation formula. In the event of such Amendment, the withdrawing PARTY will be responsible for its share of implementation of the Special Study, and for payment of any fines, penalties or costs incurred by them as the result of non-performance of the Special Study.

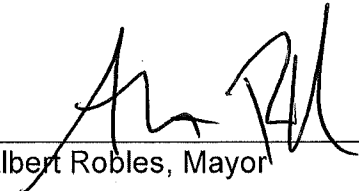
Section 12. General Provisions

- a. **Notices.** Any notices, bills, invoices, or reports relating to this MOA, and any request, demand, statement or other communication required or permitted hereunder shall be in writing and shall be delivered to the Representative of the PARTY at the address set forth in Exhibit B. PARTIES shall promptly notify each other of any change of contact information, including personnel changes, provided in Exhibit B. Written notice shall include notice delivered via email, reader notification requested, or fax. A notice shall be deemed to have been received on (a) the date of delivery, if delivered by hand during regular business hours, or by confirmed facsimile or by email; or (b) on the third (3rd) business day following mailing by registered or certified mail (return receipt requested) to the addresses set forth in Exhibit B.
- b. **Administration.** For the purpose of this MOA, the PARTIES hereby designate as their respective PARTY representatives the persons named in Exhibit B. The designated PARTY representatives, or their respective designees, shall administer the terms and conditions of this MOA on behalf of their respective PARTY. Each of the persons signing below on behalf of a PARTY represents and warrants that they are authorized to sign this MOA on behalf of such PARTY.
- c. **Relationship of Parties.** The PARTIES are and shall remain at all times as to each other, wholly independent entities. No PARTY to this MOA shall have power to incur any debt, obligation, or liability on behalf of another PARTY unless expressly provided to the contrary by this MOA. No official, employee, agent, or officer of a PARTY shall be deemed for any purpose whatsoever to be an official, agent, employee or officer of another PARTY.
- d. **Binding Effect.** This MOA shall be binding upon and inure to the benefit of each PARTY to this MOA and its respective heirs, administrators, representatives, successors and assigns.

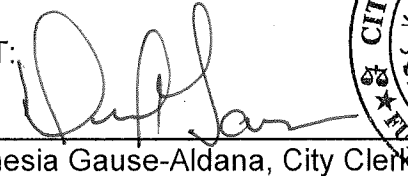
- e. Amendment. The terms and provisions of this MOA may not be amended, modified, or waived, except by an instrument in writing signed by all PARTIES who have not terminated their interests herein or whose involvement has not terminated by reason of non-payment or default.
- f. Waiver. Waiver by any PARTY to this MOA of any term, condition, or covenant of this MOA shall not constitute a waiver of any other term, condition, or covenant. Waiver by any PARTY to any breach of the provisions of this MOA shall not constitute a waiver of any other provision, nor a waiver of any subsequent breach or violation of any provision of this MOA.
- g. Law to Govern; Venue. This MOA shall be interpreted, construed and governed according to the laws of the State of California. In the event of litigation between the PARTIES, venue in the state trial courts shall lie exclusively in the County of Los Angeles.
- h. No Presumption in Drafting. The PARTIES to this MOA agree that the general rule that an MOA is to be interpreted against the PARTY drafting it, or the PARTY causing it to be prepared, shall not apply.
- i. Interpretation. All PARTIES have been represented by counsel in the preparation and negotiation of this MOA. Accordingly, this MOA shall be construed according to its fair language.
- j. Entire MOA. This MOA constitutes the entire agreement of the PARTIES with respect to the subject matter hereof and supersedes all prior or contemporaneous agreements, whether written or oral, with respect thereto.
- k. Severability. If any term, provision, condition or covenant of this MOA is declared or determined by any court or competent jurisdiction to be invalid, void, or unenforceable, the remaining provisions of this Agreement shall not be affected thereby and this MOA shall be read and constructed without the invalid, void, or unenforceable provision(s).
- l. Counterparts. This MOA may be executed in any number of counterparts, each of which shall be an original, but all of which taken together shall constitute but one and the same instrument, provided, however, that such counterparts shall have been delivered to all PARTIES to this MOA.

IN WITNESS WHEREOF, the PARTIES hereto have caused this MOA to be executed by their duly authorized representatives and affixed as of the date of signature of the PARTIES:

CITY OF CARSON

By 
Albert Robles, Mayor

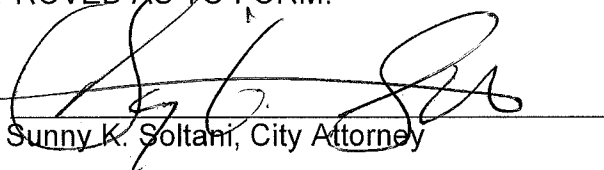
3/14/19
Date

ATTEST:
By: 
Donesia Gause-Aldana, City Clerk



3/14/19
Date


APPROVED AS TO FORM:

By 
Sunny K. Soltani, City Attorney

3-5-19
Date

CITY OF LONG BEACH

Date: 9/7/18

By: 
PATRICK H. WEST
CITY MANAGER

Tom Modica
Assistant City Manager
EXECUTED PURSUANT
TO SECTION 301 OF
THE CITY CHARTER

ATTEST:


By: _____
Deputy City Clerk

APPROVED AS TO FORM:

.....
City Attorney

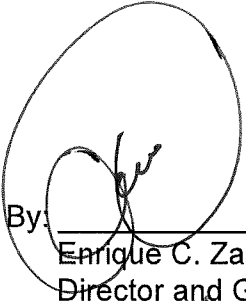
By: _____

APPROVED AS TO FORM
7-19, 2018
CHARLES PARKIN, City Attorney

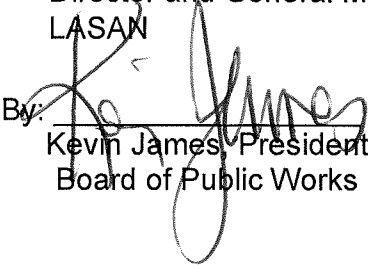
By: 
AMY R. WEBBER
DEPUTY CITY ATTORNEY

CITY OF LOS ANGELES


Date: 9/30/19.

By: 
Enrique C. Zaldivar,
Director and General Manager
LASAN

Date: 10/2/19

By: 
Kevin James, President
Board of Public Works

ATTEST:


By: 
City Clerk

Date: 10/7/19



APPROVED AS TO FORM:

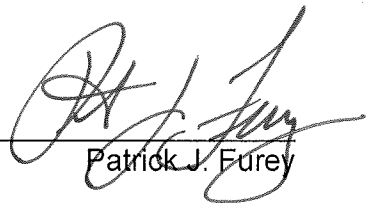
City Attorney

By: 
Deputy City Attorney

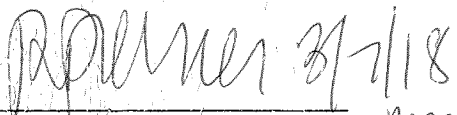
Date: 10/2/19

CITY OF TORRANCE

Date: 3/6/18

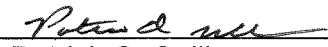
By: 
Patrick J. Furey

ATTEST:

By:  3/7/18
Rebecca Poirier, City Clerk, *mme*

APPROVED AS TO FORM:

PATRICK Q. SULLIVAN
City Attorney

By: 
Patrick Q. Sullivan

**STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION**

Laurie Berman
Director

By: Shirley Croate

for John Bulinski
District Director

Date: 6/28/19

APPROVED AS TO FORM &
PROCEDURE:

By: C Hoff
Cassandra Hoff
Deputy Attorney

CERTIFIED AS TO FUNDS:

By: Vickie Murphy
District Budget Manager

CERTIFIED AS TO FINANCIAL
TERMS AND CONDITIONS:

By: [Signature]
Accounting Administrator

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

By *Mark Pestrella*
MARK PESTRELLA
FOT Chief Engineer

12/11/19
Date

APPROVED AS TO FORM:

Mary C. Wickham
County Counsel

By *Grace Chang/gw*
Deputy

Date

COUNTY OF LOS ANGELES

By Mark Pestrella
FOR MARK PESTRELLA
Director of Public Works

12/11/19
Date

APPROVED AS TO FORM:

Mary C. Wickham
County Counsel

By Grace Cheng/jw
Deputy

Date

EXHIBIT A

**Dominguez Channel Estuary Bathymetry and Sediment Transport Study
Responsible Parties
Funding Contributions**

Table 1: Total Cost Estimate.

CSMP Contract Cost	\$387,929
Contract Administration	\$19,396
TOTAL COST	\$407,325
TOTAL COST WITH 5% CONTINGENCY	\$427,692

Table 2: Cost Allocation Formula.

$\text{Total Cost}^1 = ((\text{Contract Cost} - \text{LACFCD Allocation}) \times \text{Responsible Parties' Percent of Total Area}) + 5\% \text{ Administration Cost}$

(1) Applies to Cities and County but not LACFCD

Table 3: Distributed Cost Among CSMP Responsible Parties.

Responsible Party	Total Area in Watershed [acres]	Responsible Parties Percent of Total Area	Allocated Contract Cost	Contract Administration Cost (5 Percent)	Total Cost	Total Cost with 5% Contingency
LACFCD ¹	N/A		\$19,396	\$970	\$20,366	\$21,385
Carson	10,755.92	49.03%	\$180,681	\$9,034	\$189,715	\$199,201
Long Beach	442.65	2.02%	\$7,436	\$372	\$7,808	\$8,198
Los Angeles	3,398.44	15.49%	\$57,088	\$2,854	\$59,942	\$62,940
Torrance ²	3,733.67	17.02%	\$62,719	\$3,136	\$65,855	\$69,148
Caltrans	714.30	3.26%	\$11,999	\$600	\$12,599	\$13,229
County of Los Angeles	2,893.70	13.19%	\$48,609	\$2,430	\$51,040	\$53,592
Total	21,938.68	100.00%	\$387,929	\$19,396	\$407,325	\$427,692

Notes:

- (1) LACFCD will contribute 5% of the overall cost
- (2) City of Torrance has 3 sump areas with no outlets which were removed from the calculation

EXHIBIT B

Dominguez Channel Estuary Bathymetry and Sediment Transport Study Responsible Parties Representatives

1. City of Carson
Department of Public Works
Engineering Division
701 E. Carson St.
Carson, CA 90745

Party Representative: Maria Slaughter
E-mail: MSlaughter@carson.ca.us
Phone: 310-952-1700 X 1754
Fax: 310-835-5749

2. City of Long Beach
Department of Public Works
411 West Ocean Blvd., 5th Floor
Long Beach, CA 90802

Party Representative: Alvin Papa
E-mail: Alvin.Papa@longbeach.gov
Phone: 562-570-6386

3. City of Los Angeles
Department of Public Works
Bureau of Sanitation, Watershed Protection Division
1149 S. Broadway
Los Angeles, CA 90015

Party Representative: Shahram Kharaghani
E-mail: Shahram.Kharaghani@lacity.org
Phone: (213) 485-0587
Fax: (213) 485-3939

4. City of Torrance
Department of Public Works
20500 Madonna Avenue
Torrance, CA 90503

Party Representative: John Dettle
E-mail: jdettle@TorranceCA.gov
Phone: (310) 618-3059

5. California Department of Transportation District 7
Division of Design, Office of Storm Water and Landscape Architecture
100 S. Main St. MS #13
Los Angeles, CA 90012

Party Representative: Sunny Liem
E-mail: Sunny.Liem@dot.ca.gov
Phone: (213) 897-1806

6. Los Angeles County Flood Control District
Los Angeles County Public Works
Stormwater Quality Division, 11th Floor
900 South Fremont Avenue
Alhambra, CA 91803-1331

Party Representative: Paul Alva
E-mail: PALVA@dpw.lacounty.gov
Phone: (626) 458-4325
Fax: (626) 457-1526

7. Los Angeles County Public Works
Stormwater Quality Division, 11th Floor
900 South Fremont Avenue
Alhambra, CA 91803-1331

Party Representative: Paul Alva
E-mail: PALVA@dpw.lacounty.gov
Phone: (626) 458-4325
Fax: (626) 457-1526

EXHIBIT C

**Dominguez Channel Bathymetry and Sediment Transport Study
SCOPE OF WORK**