

AMENDMENT NO. 3 TO THE PROFESSIONAL SERVICES AGREEMENT  
BETWEEN THE CITY OF MANHATTAN BEACH AND  
HDR ENGINEERING, INC.

This Amendment ("Amendment") to that certain agreement by and between the City of Manhattan Beach, a California municipal corporation ("City") and HDR Engineering, Inc., a California corporation ("Consultant") (collectively, the "Parties") is hereby entered into as of this December 20, 2016 ("Effective Date").

RECITALS

- A. On June 7, 2012, the City and Consultant entered into an agreement for professional services for the Consultant to provide community relations and design professional services related to the Sepulveda Bridge Widening Project ("Original Agreement").
- B. On or about January 7, 2015, the Parties entered into Amendment No. 1 to the Original Agreement. On or about February 2, 2016, the Parties entered into Amendment No. 2 to the Original Agreement. The Original Agreement, as amended by Amendment No. 1 and Amendment No. 2, is referred to herein as the Agreement.
- C. On November 3, 2016, in response to a request from City for additional civil and structural engineering services, Consultant submitted a proposal for a contract change order in the amount of \$98,400.
- D. The Parties now desire to amend the Agreement to allow Consultant to provide additional specified services to the City, and to allow the City to provide compensation for the services provided, and for changes to plans and specifications.

NOW, THEREFORE, in consideration of the Parties' performance of the promises, covenants, and conditions stated herein, the Parties hereby amend the Agreement as follows:

Section 1. The maximum Compensation amount set forth in Section 4(a) of the Agreement is hereby increased by \$98,400, to a new maximum of \$2,362,401.

Section 2. Exhibit A (Scope of Services) and Exhibit B (Compensation) of the Agreement are hereby amended to include the additional services and fees described in the letter from Consultant dated November 3, 2016, attached hereto and incorporated herein by this reference.

Section 3. Except as specifically amended by this Amendment, all other provisions of the Agreement shall remain in full force and effect.

IN WITNESS THEREOF, the Parties hereto have executed this Amendment No. 3 on the day and year first shown above.

CITY OF MANHATTAN BEACH

HDR ENGINEERING, INC.  
(CONSULTANT)

\_\_\_\_\_  
Mark Danaj, City Manager

\_\_\_\_\_  
By:

ATTEST:

Its: \_\_\_\_\_

\_\_\_\_\_  
Liza Tamura, City Clerk

\_\_\_\_\_  
By:

APPROVED AS TO FORM:

Its: \_\_\_\_\_

\_\_\_\_\_  
Quinn M. Barrow, City Attorney

APPROVED AS TO CONTENT:

\_\_\_\_\_  
Bruce Moe, Finance Director



November 3, 2016

Mr. Prem Kumar  
City Engineer  
City of Manhattan Beach  
3621 Bell Ave  
Manhattan Beach, CA 90266

**Subject: Sepulveda Bridge Widening Project – Amendment No. 3  
Additional Civil and Structural Engineering Services**

Dear Mr. Kumar:

HDR is requesting additional compensation by means of a contract change order to complete work for the Sepulveda Bridge Widening Project (Project). This work, totaling \$98,400, consists of additional professional services to: update the Project Plans, Specifications, and Estimate (PS&E) to meet the recently published 2015 Caltrans Standard Plans and Specifications in accordance with Caltrans' directive for projects that have not reached the 'Ready-to-List' (RTL) milestone prior to June 30, 2016; update of the bridge barrier design based on recently updated Caltrans structural guidelines; and other final plan changes as requested by the City (see Attachment 1).

The additional work includes the following tasks:

| Task         | Description   | Amount          |
|--------------|---|-----------------|
| 1            | Update to 2015 Caltrans Standard Plans and Specifications | \$64,700        |
| 2            | Barrier Type 732SW Modified Structures Design Services    | \$23,600        |
| 3            | City-Requested Plan Changes (Optional)                    | \$10,100        |
| <b>Total</b> |   | <b>\$98,400</b> |

Below is a summary of the background and justification for additional compensation related to each of the items listed above:

**Task 1: Update PS&E Package to 2015 Caltrans Standard Plans & Specifications**

Negotiation with RREEF America to finalize the Access Agreement for the adjacent Manhattan Village Shopping Center in addition to ongoing negotiations with the property owner of 3500 Sepulveda Boulevard has resulted in an extension of the project schedule and completion of the PS&E package by over one year.

The 100% PS&E package was previously scheduled to be submitted in December 2015. The schedule to resubmit the 100% PS&E package to Caltrans for their review and approval is now projected to occur approximately six weeks after Notice-to-Proceed for this amendment request, and is also predicated upon completion of the ongoing negotiations with the above property owners. For a complete Project history, please see our prior amendment entitled *Sepulveda Bridge Widening Project – Amendment No. 2 – Additional Project Management, Right-of-way, Utility Relocation and Structural Design Services*, dated December 31, 2015.

The current PS&E package and structural calculations are based on the 2010 Caltrans Standard Plans and Specifications, which were in effect at the time the design was scheduled to be completed. On December 16, 2015, Caltrans issued a directive indicating the following (see Attachment 2):

*"The 2015 Standards shall be used on all projects that Ready to List after June 30, 2016. All on-system projects advertised, awarded and administered by others with encroachment permits issued by the district after June 30, 2016, shall use the 2015 Standards."*

As a result of this requirement to update the standards, on August 3, 2016, Caltrans notified the City that the Project design will need to incorporate the 2015 Standard Plans and Specifications since the Project will not reach the RTL milestone prior to June 30, 2016. Based on Caltrans' direction, the Project plans, specifications, and calculations will need to be updated to reflect the following 2015 standards:

- 2015 Standard Specifications
- 2015 Revised Standard Specifications
- 2015 Standard Special Provisions
- 2015 Standard Plans
- 2015 Revised Standard Plans
- 2015 Standard Plans – Errata

Resubmittal of the PS&E package will require an additional review cycle with Caltrans D7 as well as Caltrans Headquarters to approve the plans. After resubmitting the updated PS&E to Caltrans for review (assumed to be the 100% PS&E Package), there will be comments that will need to be coordinated and the PS&E package finalized (Final Bid Package) and resubmitted. The anticipated scope is as follows:

- 100% PS&E Package
  - Structural Design Calculation - HDR will review Caltrans 2015 standards against structural design calculations for the Sepulveda Overhead Bridge and Retaining Wall No. 204. Calculation references and notes will be updated per Caltrans 2015 standards. Based on an initial review, HDR does not anticipate additional structural analysis and design calculations will be required. Thus, this task does not include development of additional structural analysis and design calculations which, if required by Caltrans, will require negotiated fee to cover this work.
  - Sepulveda Overhead Bridge and Retaining Wall No. 204 Plans - HDR will update the plans to show Caltrans 2015 standards on bridge and retaining wall plans. The number of plan sheets that will need to be updated are 26 bridge sheets and nine retaining wall sheets.
  - Structural Technical Specification – HDR will review the 2015 specifications to confirm structural items are included.
  - Civil Plans - Review plans against each of the standards referenced to ensure that they are still applicable.
  - Standard Special Provisions - Update to match the current standard provisions. Coordinate with Caltrans on the Special Provisions.

#### Deliverables:

- Updated Civil and Structural Plans, Technical Specifications, and Special Provisions
- Update structural calculations to include 2015 references
- Final Bid Package
  - Design Review Conference Call - Upon receipt of City and Caltrans comments, and prior to commencing revisions, HDR will schedule a review session with both agencies, if required, to confirm intent of comments.
  - HDR will incorporate the 100% comments and submit the Final Bid Package

**Deliverables:**

- Signed plans, design calculations; and copy of documents in PDF format
- **Schedule:**
  - 100% PS&E Package - 4 weeks after written NTP is received from both the City and Caltrans
  - Final Bid Package - 3 weeks after 100% written comments are received from both the City and Caltrans

The total amount of additional budget requested to complete the work associated with Task 1 is \$64,700. The attached fee proposal provides a detailed breakdown of HDR's costs, indicating the estimated number of hours and associated fee for each work element, in addition to limitations and assumptions provided below.

**Task 2: Barrier Type 732SW Modified Structures Design Services**

Additional fee is requested for structural design and CAD services to update the project plans to reflect the use of Concrete Barrier Type 732SW Modified for the Sepulveda Overhead Bridge widening as well as the structural plans for Retaining Wall No. 204. This update is in accordance with the July 28, 2016, release of the Caltrans memorandum entitled '*New Bridge Railing with a Sidewalk: Concrete Barrier Type 732SW*' (see Attachment 3). Caltrans is requiring bridges that have not been constructed to replace Concrete Barrier Type 26 with Concrete Barrier Type 732SW. The memorandum reads as follows:

*"For all projects proposing the use of Concrete Barrier Type 26 where the PS&E has not been finalized, Concrete Barrier Type 732SW shall be incorporated unless this would impose a significant delay in the project schedule."*

The bridge widening and retaining wall plans, which are currently at 100% level of completion, were prepared using Concrete Barrier Type 26 Modified that was 4 feet 6 inches high; thus, the replacement barrier will also need to be modified from the standard height of 2 feet 8 inches to 4 feet 6 inches high.

HDR previously developed structural calculations for the higher 4-foot 6-inch barrier that was reviewed and approved by Caltrans. Since Type 732SW barrier dimensions and reinforcement are different than the Type 26 barrier, HDR is now required to develop new structural calculations and plans that will be reviewed and approved by Caltrans. The level of effort is reflected in the following Workplan:

- 100% PS&E
  - Concrete Barrier Type 732SW Modified Design - HDR will develop structural design calculations for Concrete Barrier Type 732SW Modified using Caltrans standards, incorporating additional reinforcement to accommodate loading on the 4-foot 6-inch high barrier.
  - Sepulveda Overhead Bridge Plans - HDR will update plans to show Concrete Barrier Type 732SW on the bridge and Retaining Wall No. 204. The number of plan sheets that will need to be updated are 19 bridge sheets, one new barrier sheet, and eight retaining wall sheets.
  - Barrier Design Check – Prior to 100% submittal, HDR will complete a check of the barrier structural calculations and plans to confirm structural adequacy and ensure that details are complete and constructible.

**Deliverables:**

- Updated structures plans (estimate 28 sheets)

- Type 732SW Modified structural calculations
- Final Bid Package
  - Design Review Meeting - Upon receipt of City and Caltrans comments, and prior to commencing revisions, HDR will schedule a review session, if required, to confirm intent of comments.
  - HDR will incorporate the 100% comments and submit the Final Bid Package

Deliverables:

- Signed plans and design calculations as required by Caltrans
- Copy of documents in PDF format to Caltrans and the City
- Schedule: Concurrent with Task 1, above.

The total amount of additional budget requested to complete the work associated with Task 2 is \$23,600. The attached fee proposal provides a detailed breakdown of HDR's costs, indicating the estimated number of hours and associated fee for each work element, in addition to the limitations and assumptions provided below.

### **Task 3: City-Requested Plan Changes**

The City has asked HDR to set aside a budget of around \$10K for possible modifications to the current HDR-prepared 100% plans and specifications, dated February 2016, to address any additional changes that may be requested by the City's new Public Works Director and City Engineer based on their review of all project documents. This amount will not be used if no changes are made to the plans and specifications.

Thus, the total amount of additional budget requested to review and incorporate additional City comments, if needed, associated with Task 3 is \$10,100. The attached fee proposal provides a detailed breakdown of HDR's costs, indicating the estimated number of hours and associated fee for each work element, in addition to the limitations and assumptions provided below. Schedule is contingent upon receipt of comments.

### **Assumptions**

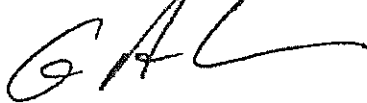
The assumptions listed below are in reference to the amendment items listed above:

1. Any further delays due to negotiations with the adjacent private property owners that would affect project development and right-of-way certification efforts after this amendment is approved are not covered in this amendment. It is assumed that HDR and the City will come to a reasonable agreement as to the scope and fee for the additional effort.
2. If the Project is put on-hold for an extended period of time and Caltrans standards, policies and procedures further change in that period of time, this amendment does not include the level of effort needed to bring the Project up to the new standards.
3. The City intends to contract with an independent structural engineer to review the constructability of the Project. Since the breadth and extent of comments are unknown at this time, an estimate of up to 57 hours is assumed to cover this effort, if needed. Changes to the plans in excess of the hours assumed are not covered in this amendment.
4. HDR's scope currently covers engineering services to support the City with regard to advertising and bidding the project. Services to support the project during construction are not covered in this amendment. It is assumed that HDR and the City will come to a reasonable agreement as to the scope and fee for this additional effort.

HDR appreciates your consideration of this request and looks forward to our continued effort in working together to successfully deliver this Project. Please do not hesitate to contact me if you have any questions regarding this budget amendment request or would like to discuss in greater detail.

Sincerely,

HDR ENGINEERING, INC.



Girair A. Kotchian, PE  
Project Manager



Thomas T. Kim, PE  
Senior Vice President

CC: File

Attachment 1: HDR Fee Proposal

Attachment 2: Caltrans Memo – Implementation of the 2015 Caltrans Construction Contract Standards

Attachment 3: Caltrans Memo – New Bridge Railing with a Sidewalk: Concrete Barrier Type 732SW

**ATTACHMENT NO. 1 - AMENDMENT NO. 3 FEE PROPOSAL**  
**City of Manhattan Beach**  
**Sepulveda Boulevard Widening Project**  
**Supplemental PA/ED and PS&E**

[illegible]



## Memorandum

*Serious drought.  
Help save water!*

To: CHIEF DEPUTY DIRECTOR  
DEPUTY DIRECTORS  
DISTRICT DIRECTORS  
DIVISION CHIEFS

Date: December 16, 2015

File:

From:  KARLA SUTLIFF  
Chief Engineer  
Project Delivery

Subject: IMPLEMENTATIONS OF THE 2015 CALTRANS CONSTRUCTION CONTRACT STANDARDS

This memorandum establishes the implementation date for the California Department of Transportation (Caltrans) Construction Contract Standards (2015 Standards). The 2015 Standards include the Standard Specifications, Standard Plans, Standard Special Provisions, Standard Bid Items, Notice to Bidders, and Bid Book.

The 2015 Standards shall be used on all projects that Ready to List after June 30, 2016. All on-system projects advertised, awarded and administered by others with encroachment permits issued by the district after June 30, 2016, shall use the 2015 Standards. Districts are encouraged to use the 2015 Standards before June 30, 2016 in order to reduce bidder confusion and minimize contract administration difficulties. The 2010 Standards will not be supported after June 30, 2017.

Training for the 2015 Standards will be provided by the Division of Engineering Services-Office Engineer (DES-OE) in the first quarter of the 2016 calendar year. The 2015 Standards are currently available at: [http://www.dot.ca.gov/hq/esc/oe/construction\\_standards.html](http://www.dot.ca.gov/hq/esc/oe/construction_standards.html). DES-OE will send out a notice when the printed versions have been delivered. Subsequently, Caltrans staff should contact their Manual Coordinators to request copies and external users should contact the Department's Publications Distribution Unit for copies at: <http://www.dot.ca.gov/hq/dpac/publicat.htm>.

The implementation of the 2015 Standards has been shared and concurred with Design Management Board at their September 2015 meeting. If you have any questions about the 2015 Standards, please contact John McMillan, Deputy Division Chief, Division of Engineering Services at (916) 227-6300.

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c: Design Management Board  
Project Management Board  
John McMillan, Deputy Division Chief, Division of Engineering Services

State of California  
DEPARTMENT OF TRANSPORTATION

California State Transportation Agency

## Memorandum

Serious drought.  
Help save water!

To: TIMOTHY CRAGGS, Chief, Division of Design  
RIHUI ZHANG, Chief, Division Of Local Assistance  
THOMAS P. HALLENBECK, Chief, Division of Traffic Operations  
MICHAEL D. KEEVER, Chief, Division of Engineering Services  
DOLORES VALLS, Chief, Structure Maintenance and Investigation

Date: July 28, 2016

From: THOMAS A. OSTROM *Shannon for Post*  
State Bridge Engineer  
Division of Engineering Services

Subject: NEW BRIDGE RAILING WITH A SIDEWALK: CONCRETE BARRIER TYPE 732SW

The following new *Bridge Standard Details Sheets (XS)* for a bridge railing with a sidewalk, along with a *User Guide*, were posted on July 15, 2016 at

<http://www.dot.ca.gov/des/techpubs/bsds.html>

XS16-110-1 Concrete Barrier Type 732SW – Details No. 1

XS16-110-2 Concrete Barrier Type 732SW - Details No. 2

Concrete Barrier Type 732SW replaces RSP B11-54, Concrete Barrier Type 26. It is approved for MASH Test Level 2 per FHWA Letter of Eligibility B-259, dated May 6, 2016. It can be used in low speed locations only, where the posted speed limit is less than or equal to 45 mph. For posted speeds greater than 45mph, pedestrians shall be protected by a separation traffic barrier, per *Highway Design Manual 208.10*.

Concrete Barrier Type 732 is compliant with *Highway Design Manual, 208.4 Bridge Sidewalks*, which states that the minimum width of a bridge sidewalk shall be 6 feet.

<http://www.dot.ca.gov/hq/oppd/hdm/pdf/english/chp0200.pdf>

For all projects proposing the use of Concrete Barrier Type 26 where the PS&E has not been finalized, Concrete Barrier Type 732SW shall be incorporated unless this would impose a significant delay in the project schedule.

For projects in construction, it is recommended that Concrete Barrier Type 732SW be incorporated by contract change order for all bridges where the deck has not been placed.

Concrete Barrier Type 732SW will become a 2015 Revised Standard Plan at the next posting date at which time RSP B11-54, Concrete Barrier Type 26, will be cancelled. The *Highway Design Manual* will be updated to reflect this change.

For questions, please contact Tillat Satter at 916-227-8676.

c: DES Deputies

DES Bridge Design Office Chiefs

Shannon Post, Chief, Office of Design and Technical Services, DES

David Cordova, Office of Standards and Procedures, Division of Design

Tillat Satter, Bridge Railing Specialist, DES

Greg Kaderabek, Bridge Railing Specialist, DES