**SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT**

**CONTRACT NO. 11IA-112**

**CIVIC CENTER STATION SCISSOR STAIRS PROJECT**

**ADDENDUM NO. 2**

The following additions, deletions, and modifications are hereby made a part of the Contract Documents for Contract No. **11IA-112, CIVIC CENTER STATION SCISSOR STAIRS PROJECT**. The Bidder shall acknowledge receipt of this Addendum, under the respective Article in the Bid Form. This Addendum No. 2 consists of twenty (20) items.

**INVITATION TO BID**

| **Item** | **Page(s)** | **Section** | **Changes** |
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1. Page 1 of 5 Invitation Delete first paragraph in its entirety and replace with the

 to Bid following:

“NOTICE IS HEREBY GIVEN that sealed Bids will be received until the hour of **2:00p.m., Tuesday, January 22, 2019,** by hand delivery or special delivery, at the District Secretary’s Office, 23rd Floor, 300 Lakeside Drive, Oakland California 94612 for **Civic Center Station Scissor Stairs Project, Contract No. 11IA-112.** Such bids will be opened publicly and announced at the said hour and date in the 23rd Floor Conference Room No. 2382T, Kaiser Center Building, 300 Lakeside Drive, Oakland, California. Bids will be thereafter be accepted or rejected by the District. The Bidders are responsible to ensure their Bids are received at the time and location specified.

**CONTRACT SPECIFICATIONS**

| **Item** | **Page(s)** | **Section** | **Changes** |
| --- | --- | --- | --- |
|  | Page 2 of 9 | 03 30 00 | Add article 1.05 B.11 as follows:11. “Standard Test Method for Static Modulus of Elasticity…”  (ASTM C469).  |
| 1.
 | Page 2 of 9 | 03 30 00 | Add article 1.05 B.12 as follows:12. “Standard Test Method for Linear Shrinkage and  Coefficient of Thermal Expansion of Chemical-Resistant  Mortars, Grouts…” (ASTM C531). |
|  | Page 2 of 9 | 03 30 00 | Add article 1.05 B.13 as follows:13. “Standards Test Method for Bond Strength of Epoxy- Resin Systems used with Concrete by Slant Shear”  (ASTM C882). |
|  | Page 2 of 9 | 03 30 00 | Add article 1.05 B.14 as follows:14. “Standard Test Method for Compressive Strength of  Grouts…” (ASTM C942).  |
|  | Page 2 of 9 | 03 30 00 | Add article 1.05 B.15 as follows:15. “Test Method for Compressive Properties of Rigid  Plastics” (ASTM D695). |
|  | Page 2 of 9 | 03 30 00 | Add article 1.05 B.16 as follows:16. “Test Method for Compressive Properties of Rigid  Plastics” (ASTM D695). |
|  | Page 2 of 9 | 03 30 00 | Add article 1.05 B.17 as follows:17. “Test Methods for Bond Performance of Adhesive-  Bonded Anchors” (ASTM E1512). |
|  | Page 3 of 9 | 03 30 00 | Add Article 1.05 E as follows:E. International Code Council Evaluation Services (ICC-ES)  Evaluation Reports (“ESR”).1. “Simpson Strong-Tie, “SET” Adhesive Anchor Systems” (ESR – 1772).
2. “Hilti HIT RE 500 SD Adhesive Anchor Systems” (ESR – 2322).
3. “Powers Fasteners Pure 110+Adhesive Anchor Systems” (ESR-3298).
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|  | Page 4 of 9 | 03 30 00 | Add Article 1.06 I as follows:I. All quality control test and inspection reports. |
|  | Page 4 of 9 | 03 30 00 | Add Article 1.07 G as follows:G. Comply with the field quality control provisions of “PART  3 EXECUTION” specified in this section. |
|  | Page 4 of 9 | 03 30 00 | Add Article 1.07 H as follows:H. Special Inspection shall be performed in compliance with  Section 1704 of the 2016 California Building Code  (“CBC”). |
|  | Page 5 of 9 | 03 30 00 | Add Article 2.01 L as follows:L. Adhesive Anchor Cartridges: Use paste type, two  component epoxy grout. Grout shall be non-sag, high  strength, creep resistant; insensitive to moisture,  compatible for intended use and environmental  conditions, prepackaged in cartridges for caulk guns and  automatically mixed at nozzle. At a minimum, grout shall  have the same properties as specified below for Non-  Shrink Epoxy Grout. The following products are  acceptable: 1. Simpson Strong-Tie’s “SET” High Strength Epoxy

(ESR-1772).1. Hilti’s HIT RE 500 SD Epoxy (ESR-2322) or equal.
2. Powers Fasteners Pure 110+ (ESR-3298).
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|  | Page 5 of 9 | 03 30 00 | Add Article 2.01 M as follows:M. Anchors 1. Steel rods threaded full length:
2. In epoxy grouted installations, use either a steel rod threaded full length or a reinforcing bar dowel for the anchor, as required by the Contract Drawings.
3. In cementitious grouted installations, use a steel rod threaded full length with a hex nut fully engaged at the embedded end of the rod, or use a headed anchor bolt, as required by the Contract Drawings.
4. Reinforcing bar dowels shall comply with the requirements of Section {03 20 00}, “Concrete {and CMU} Reinforcement”, of these Contract Specifications.
5. Steel rods, nuts, and anchor bolts shall conform to the requirements of Section {05 12 00}, “Structural Steel”, of these Contract Specifications.
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|  | Page 7 of 9 | 1. 30 00
 | Modify Article 3.12 A as follows:A. The Contractor shall select a chemical adhesive system or  epoxy cartridge system that has passed the testing  requirements of ICC-ES requirements as specified in the  Section 2.01 (I), and is not susceptible to creep under  sustained loads. Testing shall be performed by an  independent testing facility and the results shall be  submitted to the Engineer for review and approval.  |
|  | Page 1 of 2 | 05 12 00 | Add Article 1.01 J as follows: J. Slide Bearing  |
|  | Page 1 of 2 | 05 12 00 | Delete Article 1.03 C.7 and replace with the following:7. ASTM A-108Specification for Steel Bar and Stud Shear  Connectors. Carbon, Cold-Finished, Standard Quality. |
|  | Page 1 of 2 | 05 12 00 | Delete Article 2.01 C.1 and replace with the following:1. Structural Steel: ASTM A992, Grade 50 for Wide Flange  Shapes; ASTMA572 Grade 50 for Steel Plates, and ASTM  A36 for other structural steel shapes. |
|  | Page 1 of 2 | 05 12 00 | Add Article 2.01 O as follows:O. Slide Bearings: Provide self-lubricating slide bearings as  specified and as regularly manufactured product of a firm  specializing in the design and fabrication of structural slide  bearings.  Seft-lubricating slide bearing elements shall be a 100 percent virgin polytetrafluorethylene (“PTFE”), reinforced with 15% glass fibers, bonded to steel plates. The coefficient of sliding friction of the PTFE to itself shall be 0.08 at the initial installation. The bearing elements shall not deform more than 0.002 inch under the static load of 2000 psi. The 3/32 inch PTFE sheets shall be bonded to 10 gage carbon steel plates with heat cured, high temperature, epoxy stable in a temperature range of minus 320 degrees F to plus 500 degrees F. Bearing shall have a certified bearing capacity of not less than 2000 psi due to all loads.Slide bearings shall conform in all respects to AASHTO Sections 1.14.1, 1.14.2, 2.27.1 through 2.27.4 for PTFE filled sheets. |

**CONTRACT DRAWINGS**

| **Item** | **Page(s)** | **Changes** |
| --- | --- | --- |
|  | Various | The Contract Drawings listed below in the left column are superseded by the revised Contract Drawings listed in the right column. The revised Contract Drawings are attached hereto and hereby issued.  |

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| --- | --- | --- |
| Sheet No. | Superseded Contract Drawings | Revised Contract Drawings |
|  2 | G001 Rev. P | G001 Rev. R |
| 10 | S001 Rev. P | S001 Rev. R |
| 22 | S312 Rev. P | S312 Rev. R |
| 23 | S401 Rev. P | S401 Rev. R |
| 24 | S501 Rev. P | S501 Rev. R |
| 25 | S502 Rev. P | S502 Rev. R |
| 26 | S503 Rev. P | S503 Rev. R |
| 27 | S504 Rev. P | S504 Rev. R |
| 28 | S505 Rev. P | S505 Rev. R |
| 29 | S506 Rev. P | S506 Rev. R |
| 30 | S507 Rev. P | S507 Rev. R |
| 34 | A011 Rev. P | A011 Rev. R |
| 38 | A101 Rev. P | A101 Rev. R |
| 45 | A301 Rev. P | A301 Rev. R |
| 46 | A302 Rev. P | A302 Rev. R |
| 47 | A303 Rev. P | A303 Rev. R |
| 48 | A401 Rev. P | A401 Rev. R |
| 49 | A402 Rev. P | A402 Rev. R |
| 52 | A501 Rev. P | A501 Rev. R |
| 53 | A502 Rev. P | A502 Rev. R |
|   | A701 Rev. P | A701 Rev. R |
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**END OF ADDENDUM NO. 2**

Dated at Oakland, California on this 2nd day of January 2019.

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 Patricia K. Williams

 District Secretary

 San Francisco Bay Area Rapid Transit District