



3. Refer to Exhibit E-Revised-2, Contractual Terms and Conditions, Section 51, Order of Precedence, which is updated to reflect the most recent version of the applicable Exhibits as detailed below:

1. Exhibit A—Revised-5 – Pricing Schedule
2. Exhibit E—Revised-2 – Contractual Terms and Conditions
3. Exhibit E-1 – Addendum to Contractual Terms and Conditions, Federally Assisted
4. Exhibit F—Revised-2 – Scope of Services
5. Exhibit B – Representations and Certifications
6. Exhibit B-1 – Buy America
7. Exhibit D – Disadvantaged Business Enterprise Program/DBE
8. Other provisions or attachment

*The amount stated above is the final contract modification amount agreed to by both parties. Upon receipt of payments totaling this amount, the Contractor, for itself, its successors and assigns will release, acquit and forever discharge Capital Metropolitan Transportation Authority (CapMetro) from and against any claims, debts, demands, or cause of action which the Contractor has or may have had a result of furnishing labor, supplies, or materials for the change order stated above. This modification may be executed in multiple originals, and an executed facsimile or email copy shall have the same force and effect as the original document.*

**[END OF MODIFICATION 3]**

# **The remainder of Exhibit A – Pricing Schedule has been redacted.**

**For further information regarding Exhibit A, you may:**

- Reach out to the Contractor directly via the Contractor contact details provided on the cover page of this contract.

**OR**

- Submit a public information request directly to [PIR@capmetro.org](mailto:PIR@capmetro.org).

For more information regarding the Public Information Act and submitting public information requests, follow this link to our website: <https://www.capmetro.org/legal/>

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**EXHIBIT F-REVISED-2**  
**SCOPE OF SERVICES**  
**URBAN SIGNAGE**

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## 1. Introduction

- a) Capital Metropolitan Transportation Authority (“CapMetro or “the Authority”) is a public agency responsible for providing mass transit service within the City of Austin and the surrounding communities of Leander, Lago Vista, Jonestown, Manor, San Leanna, and Point Venture, as well as the unincorporated area of Travis County within Commissioner Precinct 2 and the Anderson Mill area of Williamson County. CapMetro operates fixed-route bus and rail services, paratransit, and rideshare.
- b) Contractor will provide design build services to develop the design drawings and fabrication of the Bus Stop Wayfinding Pole (“Urban Signage”).
- c) Firm must have a minimum of three (3) years’ experience fabricating urban signage that reflects knowledge and understanding of local codes, environment and culture.
- d) There will be no requirement for engineering or architectural professional services associated with this contract.

## 2. Background

CapMetro conducted significant research for new signage designs over the course of multiple years and developed two sign types:

- Neighborhood signs for stops with less than 200 boardings per day, typically in neighborhoods.
- Urban signage for stops with more than 200 boardings per day including Rapid stops and transit centers. These stops may serve from one (1) to sixteen (16) routes.

Urban signage were first introduced in the CapMetro system in 2010. A significant number were added in 2014 with the introduction of two Rapid lines.

Project Connect is a new program that will add a significant number of Rapid stops to existing the CapMetro system over the next few years. New Urban Signage will be required for these stops.

The approximate numbers for these routes include:

- 80 urban signs by March-April of 2023 for Pleasant Valley and Expo lines.
- 14 signs for the Manchaca extension January 2024; and
- 14 for the Oak Hill extension around late 2024.
- 12 for Gold Line around mid-2024.

The design of the current Urban Signage has characteristics that CapMetro seeks to **(1) preserve** and those that it seeks to **(2) improve**, as follows:

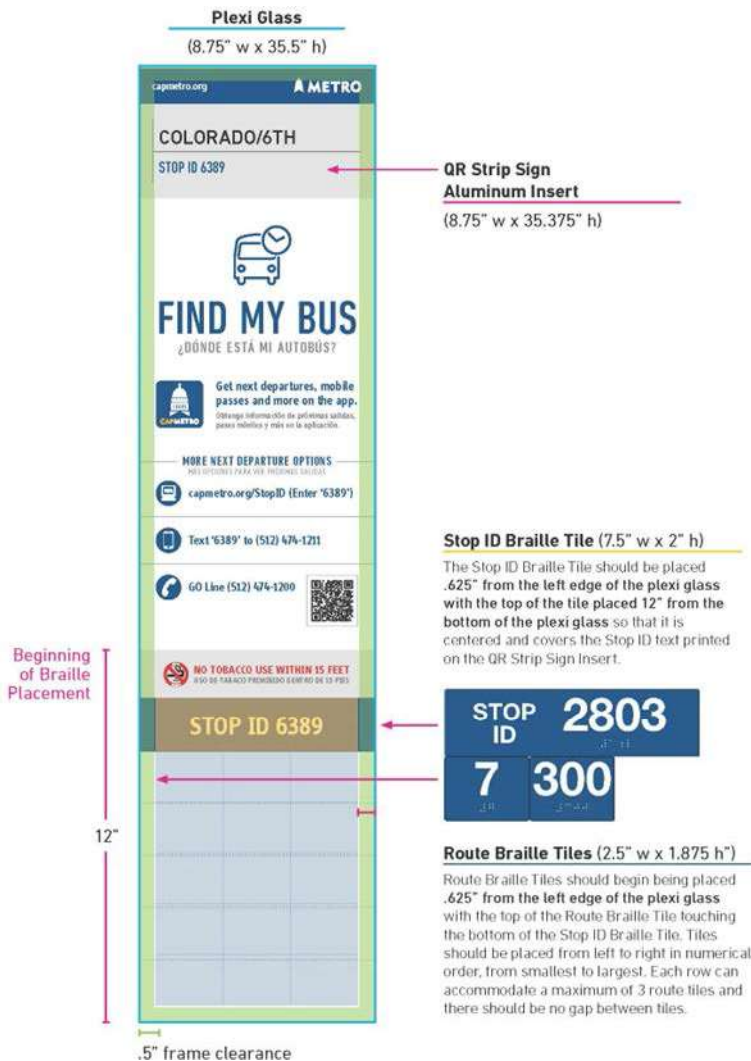
(1) The characteristics that CapMetro seeks to **preserve** include:

- Three-sided pole – this shape gives the stop a unique configuration in the urban streetscape that can be easily recognized by visually impaired customers.
- A cap and pole interior that can accommodate solar attachments (not included in this procurement);
- Ability to attach up to two (2) timetable displays at a visual level that is easily accessible to customers.
- A double-sided flag head that can accommodate either 4 large route tiles (13-3/8 x 4-3/8”) or up to 16 small route tiles (4-3/8” x 4-3/8”) or a combination.
- Timetable display cases that accommodate a paper or metal insert 8.75” w x 35.375” h with a visible area of 8.75” w x 35.5” h.

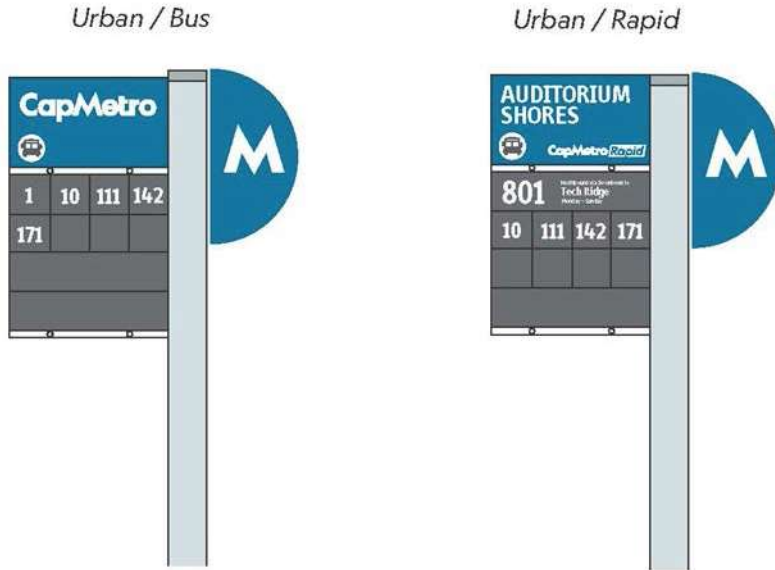
- Braille, that includes a larger stop-id plaque and smaller route Braille tiles, that attach to the timetable display case;
- ADD: Large and small blank Braille plaques, to fill the gap for the timetable display case.
- ADD: Additional Printed Decals for Large Route Tiles to complete the tiles for the poles.
- A design with a similar aesthetic look, approved equivalent characteristics and function.

(2) The characteristics that CapMetro seeks to **improve** include:

- A simpler installation method that does not require boring to set the signage but a bolted system to facilitate fabrication and installation.
- A proposal for an alternative design for securing Braille tiles to the timetable display case that is not dependent upon adhesives or similar system, which are known to fail in the Texas heat or other weather conditions including customer contact with the pole.
- The general specs of the Braille tiles and location on the sign should remain the same.



The addition of a flag on the side of the pole opposite the route flag frame that displays a wayfinding bus symbol



e) Existing Urban Signage design drawings and specifications owned by CapMetro are attached to this Scope of Work to use as reference only and to assist the proposer in the new design, listed as Attachments 1 through 7, Drawings and Attachment 8, Reference, Existing Urban Signage.

### 3. Design Scope of Services

#### A. Equipment Design

- a) Signs shall be designed with a similar appearance to coincide with closer to the current Transit Signage installed at the Rapid Stations reflecting the current CapMetro brand, look and feel. **Note that unlike the current signage this new signage will use blue as its primary color.**
- b) Sign design shall reflect the updated CapMetro branding standards including colors and design elements such as the Authority's logo.
- c) The structure shall adapt to the different configurations of tiles and flags. Refer to Attachments 1 through 7, Drawings and Attachment 8, Reference, Existing Urban Signage.

Review existing drawings and specifications of existing signage (reference material only). Review and provide recommendations for alternative foundation assembly including the redesign of the base to be bolt down. **(High Priority)**.

- d) The design shall conform with TXDOT standard plan highway sign specification details <https://www.thc.texas.gov/public/upload/TxDOT%20sign%20installation%20standards.pdf>
- e) Review and provide recommendations for Braille assembly.
- f) Review and provide recommendations for additional wayfinding flag.
- g) Tiles and Flags-should be easily changed/swappable even after being installed at location; preferably by one person using a ladder.

- h) Design shall include a Timetable Display with an area to install Braille Stop IDs and route number plaques that align with the size and grade specifications in Attachments 1 through 7, Drawings and Attachment 8, Reference, Existing Urban Signage.
- i) Sign design shall provide good visibility and be easy to read from a distance. Height shall match ADA requirements and specifications under Salient features.
- j) Sign designs shall be adaptable and updatable to account for changing locations and destinations around the sites.
- k) Sign panels shall be 3M Scotchlite 700 or 990 Color Series or 3M Scotchlite engineer grade reflective sheeting or equivalent.
- l) The structure shall be strong enough to support additional equipment including a 13" e-paper display and solar panel (display and solar panels provided by others).
- m) Awarded vendor shall ensure that all signs comply with The Americans with Disabilities Act, ADA Section 4.30, Signage. CapMetro requires that these poles retain a unique shape within the streetscape for purposes of identification for those with vision impairment.
- n) The design of these signs must be durable, adaptable, reflective, and meet the Texas Department of Transportation ("TXDOT") <http://onlinemanuals.txdot.gov/txdotmanuals/smk/retroreflectorization.htm>

**B. Graphic Design**

- a) CapMetro reserves the right to change the initial graphics for the flag head as the Authority finalizes its brand refresh.
- b) CapMetro will supply the graphic design for the tiles and routes for each order. These designs will illustrate the layout of the flag head based on Stop ID number.

**4. Proposal Submission**

- a) Fabricator shall provide concept shop drawings as part of the proposal.
- b) Fabricator shall submit a sample schedule of fabrication as part of the proposal. Schedule shall include the mock-up fabrication.

**5. Design Submittals/Approvals**

Awarded vendor shall provide deliverable documents including, but not necessarily limited to:

- a) Final 100% shop drawings, within four (4) weeks after Notice to Proceed (PDF and CAD-based software format)

**6. Design Ownership**

- a) The authority shall reserve the right to use all design work (or "works") provided by the fabricator under this contract and the final graphic work products to use it in future fabrication procurements.
- b) All drawings shall be prepared on the most current AutoCAD release or compatible software.
- c) Any data used in or developed as a result of this of this contract shall be revealed to no other parties except Capital Metro, without the expressed consent of CapMetro.

**7. Fabrication Scope of Services**



- a) Contractor shall start fabrication of equipment within 3 days after approved design and mock-up.
- b) Contractor shall fabricate and deliver assembled signage and spares to designated delivery sites in the Austin metro area.
- c) Contractor shall produce route signs included in the current order based on the table submitted by the Planning Department at the time of ordering.
- d) Contractor shall package, label and ship assembled product according to the Route and Bus Stop ID provided by the Authority during the ordering process.
- e) Contractor shall use reasonable efforts to provide rush orders delivery as requested by the Authority in case of any emergency.
- f) The Contractor shall supply all hardware and provide accurate pre-drill holes for the spare post.

## 8. Fabrication Submittals/Approvals

- a) CapMetro shall submit to the fabricator graphic design and route information within two (2) week after Notice to Proceed.
- b) Contractor should be ready to start analyzing data within 1 day from noticed to proceed. Contractor shall submit the fabrication schedule with items lead time within two (2) week after Notice to Proceed
- c) Contractor shall submit a sample of a similar item for review by the Authority before proceeding with fabrication within four (4) weeks after Notice to Proceed (mock-up).

### Additional Notes:

- 1. CapMetro requires 10 calendar days to review design deliverables and provide comments.
- 2. Resubmission of review design deliverables and provide comments require 5 calendar days.
- 3. CapMetro will review the design packages to ensure changes from the CapMetro design workshop are incorporated and meet structural approval including the mock-up.

- d) Contractor shall submit the Product Data and Installation Procedures for review by CapMetro Staff within two weeks of approval of shop drawings.
- e) A delivery schedule for signage, identified by Stop ID, shall be submitted for approval by CapMetro staff within one week of approval of the Product data and installation procedures. Due to the installation procedures that need to be followed, a recommended list of sequence of events will be provided to the contractor upon approval of the shop drawings.
- f) Contractor shall assemble and package Urban signage by routes except for the spare parts. Spare parts shall be stored in separate packaging, i.e., box or crate, clearly identified on the exterior of its contents.

## 9. Delivery

- a) The Contractor shall coordinate through CapMetro' s designated Project Manager regarding delivery of the Urban Signage and spare. Equipment-shall be delivered F.O.B. destination; this term means free of expense to CapMetro.
- b) The Contractor shall coordinate through CapMetro' s designated Project Manager regarding multiple deliveries, as needed.



- c) Additional Deliveries shall be coordinated through CapMetro's designated Project Manager no later than 30 days after last delivery.
- d) The Contractor shall coordinate through CapMetro's designated Project Manager if the Contractor is expected to, or experiences any late delivery or supply chain issues during performance of this contract.
- e) The Contractor is responsible for the coordination and delivery of offloading shipment(s), including any equipment and materials and placing said items in the designated asphalt storage area per instructions as to be provided through CapMetro's designated Project Manager. For enclosed or boxed trucks, a liftgate service will be required.
- f) First delivery shall be made within 120 days after delivery order issuance to CapMetro Storage Facility at 907 East St Johns Ave. Austin, TX 78752. The Contractor shall coordinate through CapMetro's Project Manager a minimum of seven (7) days in advance of shipping to coordinate the specifics of the delivery, such as lay down locations, access, and timing.
  - 1. Deliveries shall be made between the hours of 7:00 am to 2:00 pm, Monday through Friday. No Weekend Delivery.
  - 2. Deliveries not made at the location and time mentioned above will be rejected and require re-delivery at no additional cost to the Authority.

## 10. Quality and Workmanship

- a) The quality of all products, workmanship and service elements must be of the highest quality and in accordance with current industry best practices for the duration of this contract. All aspects of the fabricator's performance in quality and workmanship shall conform to all applicable federal, state, and local laws and regulations.

## 11. Equipment Acceptance Criteria:

- a) The final quality of the product shall be free of weld burs, scratches, and metal shavings. There are to be no sharp edges on any of the elements that may cause damage or harm to individuals who come in contact the pole or its elements.
- b) The final powder coat (as required) shall cover the entire product except for reflective vinyl surfaces. Any visible unfinished portion of the signage is subjected for return for re-finishing.
- c) The signage shall be packaged in such a way to maintain its original fabrication, paint, and powder coat quality. Any pieces for installation must come in kits and be clearly labeled on the exterior of the packaging. Each of the poles shall arrive assembled and secured with the unique elements that are associated with it by Stop ID in place or shall be locally assembled by Stop ID number by the contractor or designated subcontractor. Other than installation of minor assembly pieces to the poles, the contractor shall deliver all Urban Signage ready to install.
- d) These units must be readily available for installation without further touch up of any minor cosmetic scratches. Each sign will be inspected for quality. Major defects to include gouges, scratches, dents, peeling, breaks and misprint, will be subject for return for correction and/or re-fabrication.
- e) Signage that has any visible deformity, either from fabrication or delivery are not acceptable.
- f) However, minor cosmetic damages such as light scratches and chips may be accepted upon the Project Manager(s) written determination.
- g) If product is deemed incomplete or unacceptable in any way, as a result of fabricator negligence, the Authority will require the Contractor to take corrective measures including replacing the product or refabrication at no additional cost to the Authority.

## 12. Exclusions:

This scope excludes the installation of signage at stop, the printing of timetable displays, solar attachments, and potential e-paper signage.

## 13. Salient Characteristics

### a) Post

- A surface finish that is painted RAL 7035 light gray powder coat (cool gray 9C) or is made of anodized aluminum.
- Have three sides to provide consistency with other Rapid stops in the system (in accordance with AD accommodation requirement).
- The Authority must have the option of ordering posts meeting FHWA roadside safety (breakaway post) requirements
- Free of sharp edges.

### b) Timetable display case

- Must accommodate and able to be secure a 3 ml styrene insert 8.75" w x 35.375" h with a visible area of 8.75" w x 35.5" h.

### c) Braille

- Braille tiles and their containers may not have sharp edges.

#### *Stop ID*

- Shall display a site-specific Stop ID number of up to 4 digits in 1" contrasting-color lettering with a 1/32" raised-letter tactile surface,
- Shall display the words "Stop ID" with Helvetica Bold 50 Pt contrasting-color lettering with a 1/32" raised-letter tactile surface,
- Shall display the Stop ID number in Grade 2 Braille,
- Shall be mounted on the display case at a height and location suitable for tactile use by visually impaired patrons under ADA guidelines. Refer to: <https://www.ada.gov/regs2010/2010ADAStandards/2010ADAStandards prt.pdf>
- Tiles to have powder coating to match PMS 307c.
- 1" cap height – raised (number)
- 0.625" cap height – raised (STOP ID)

### d) Route Tiles

- One-piece and field-removable,
- Shall display a site-specific route number in Helvetica Bold 100 Pt contrasting-color lettering with a 1/32" raised-letter tactile surface,
- Shall display the route number in Grade 2 Braille,
- Shall display the route number text from left to right,
- Shall be mounted on the display case at a height and location suitable for tactile use by visually impaired patrons under ADA guidelines.
- Tiles to have exterior blue polyester powder coating to match PMS 307c.
- 1" cap height – raised (route number)

### e) Signage Panels

All signs will be printed on white 3M Scotchlite (Engineer grade) Reflective Sheeting #3290 or equivalent. Color applications shall be manufactured using Transparent 3M Scotchlite Color Series 700, Series 990, or equivalent. Offerors must follow the proposed equivalent alternative process if using an equivalent project. Signage color should be UV resistant and have a 10-12 year lifecycle guarantee.

Vehicle/logo panels should be color PMS 307c. Route panels should be 80% black in color.

a) Urban large tiles

Size: 17.75" w X 4.375" h

Font family: InfoDisplay OT Bold, main number 315 pt. Destination 70 pt.

b) Urban Small tiles

Size: 4.375" X 4.975"

Font family: Info Display OT Bold, 210 pt.

c) Urban Flagheads

Size: 17.75" w X 9.875" h

Font family: Info Display OT Bold, Type ranges from 176 pt to 246 pt