

**BART Agreement Number: 6M8144**

**Approval Date: 02/17/22**

**Work Plan No. B.14-02 – M-Line Tunnel Water Mitigation Additional Design Services**

**Scope:**

The Design Team will submit the following additional design documents. Work Plan B.14-01 included a submittal for 100% documents (IFB) for concrete & steel lined tunnels which is now being broken up into 2 IFB packages - one for the steel lined tunnels and one for the concrete lined tunnels. A Contractor will perform the work for the steel lined tunnels and BART maintenance will perform the work for the concrete lined tunnels. Additional design submittals and contract packaging will be prepared as follows:

**A.1 100% Submittal - Design Phase for Steel Tunnels**

The following items are included in this task:

- 100% design level plans. The 100% plans will include typical sections and details to illustrate the tunnel curtain grouting. Contract plans will include tables to define the limits of curtain grouting.
- 100% Specifications, based on BART's Facilities Standards version 3.1.2.
- 100% Cost Estimate and bid item list

**A.2 100% Submittal - Final Set for Steel Tunnels**

This final set will incorporate changes made to the aforementioned 100% set to incorporate comments from the BART Contracts/Legal/Staff/OCR review

**A.3 95% Design Submittal - Design Phase for Concrete Tunnels**

The following items are included in this task:

- 95% design level plans. The 95% plans shall include typical sections and details to illustrate the tunnel crack grouting. Contract plans shall include tables to define the limits of crack grouting.
- 95% Leak Remediation Work Plan memo.
- 95% Cost Estimate

**Prime: HNTB+FMG**

**Subconsultant: None**

**Total Work Plan Value: \$ 197,669**