2. PROJECT SCOPE OF WORK

2.1 Scope of Work

The scope of work shall include the following:

1) Review of available information provided by the District:
   a) As-built drawings for elevator hoistway, elevator cab and layouts, elevator machine rooms and associated equipment, electrical and communications, architectural, and plumbing, HVAC, utilities, and similar associated systems.
   b) Recent District inspection and maintenance reports
   c) Identification of current BFS and their applicability to the project
   d) Design criteria
   e) Review of latest elevator codes (local, state and other applicable codes)
   f) BART Operations and M&E priorities and requirements (to be provided by BART)

2) Field survey to observe site conditions of the following Elevator System elements:
   a) Elevator entrances/sills
   b) Cab interior (including fixtures: Cabin Operating Panel, call button, lanterns)
   c) Elevator Car
   d) Hoistway interior and exterior (as well as equipment such as rails, ropes, brackets, switches)
e) Hoisway Pits
f) Elevator Machine Room (including hydraulic pipes, conduits, wires)
g) Electrical Rooms
h) Adjacent rooms for plumbing, HVAC, conduit routing, and any other elevator support systems.
i) Kiosk for elevator annunciator panel(s)
j) Rooftop for HVAC equipment inspection (if applicable).

3) Documentation of field conditions for all elevator systems and provide to BART for preliminary review.

4) Systems interface review and coordination:
   a) CCTV Systems
   b) Intercom, Telephone, and/or Communications
   c) Elevator related Fire detection/alarms
   d) Elevator Systems Performance Monitoring (if applicable)
   e) Interface with other third-party agencies related to the 9 elevators only.

5) Engineering work to prepare Condition Assessment and Conceptual Engineering Report that includes the following:
   a) Documented findings from the field assessment
   b) Recommendations for renewal scope for each elevator system
   c) Preliminary code review of existing system with respect to current codes.
   d) Identify possible site-specific constructability concerns.
   e) Preliminary/high-level conceptual cost estimate for construction along with construction schedule (based on the field assessment and recommendation) with high contingency value.
   f) Recommendation on changing old traction elevators (i.e. M30-55, etc.) to MRL elevators.
   g) Market study: potential bidders, market competition today & projections for the next few years, and market analysis to evaluate that the proposed execution is favorable

6) Topographic Survey/LIDAR (as needed) in support of future engineering work to develop 35% through Issued for Bid design packages.
**Prime:** Parsons

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**Work Plan Value:** $896,763