BART Agreement Number: 6M8136 **Approval Date:** 1/07/2021

Work Plan: No. A07-01 R-Line On-Street Parking Management

Scope:

2 Services to be Performed by Consultant and Work Breakdown Structure

Task 0: Project Management and Project Controls

Arup will provide project management and administrative support, including biweekly communications (bi-weekly 1/2-hour phone calls during the assumed 6-month duration) and up to three, 1.5-hour videoconference meetings with BART staff, meeting minutes, project cost controls and reporting, and invoicing and progress reporting. Arup assumes a project duration of six months. Should the project run longer than six months due to factors beyond Arup's control, additional project management budget will be required.

Task 5 Proposed Consultant Fee: $11,999

Task 1: Additional Scenarios for El Cerrito Plaza Feasibility Analysis

Continuing the El Cerrito Plaza feasibility work underway in WP04, Task 1 will begin in late 2020 or early 2021, for completion in early 2021.

The ongoing study at El Cerrito Plaza and discussions with BART and the City around an initial scenario (Scenario 1) has informed our proposed approach to this Work Plan. This workplan distinguishes between two types of additional or alternative scenarios, based on the level of effort for the analysis and reporting. This is related to the type of assumption change, identified here as 'key inputs' or 'scenario variables', defined as:

i. 'Key inputs' are assumptions that are strategic by nature and profoundly define the narrative of the assessed scenario. From WP04 we have identified the following examples of key inputs:

   a. On-street parking area boundary;

   b. On-street parking regulation assumptions (parking supply within defined area by type of regulation);

   c. Parking technology (case study).

ii. 'Scenario variables' are assumptions that have a greater degree of uncertainty, so it is more difficult to settle on a given value upfront in scenario discussions. We need to test a range of values to inform the sensitivity of the scenario to a range of factors that are currently unknown. These include:

   a. TOD development parameters on BART parcels (program, levels of parking replacement, provision of residential parking permits, phasing and timing of development); and

   b. Price and Station Access Mode Share assumptions; pair of assumptions treated as elastic relationship. It is assumed that a higher price for parking will induce a greater mode shift. The assumptions about mode share and its relationship to price will be identical to those used in WP04. This task will evaluate how different price/mode shift pairs would impact demand and, ultimately, revenue.

Sub-tasks for this task:

- 1a: Work with BART staff to finalize list of scenarios with 'key inputs' and 'scenario variables' accompanied by a short narrative description. This list will be used as the basis for the next sub-tasks.

- 1b: Modify variables in Scenario 1 to include:
  - Two (2) additional Pricing / Mode shift assumptions (low/medium/high), for a total of three (including Scenario 1)

Scenario 1 will be reported as a single approach to Parking Area, RPP policies and parking technology used, with two TOD alternatives; each alternative will be analyzed against a range of three pricing / mode shift

assumptions (including the current scenario's mode shift assumptions) to provide sensitivity in the results.

- 1c: Model and assess two (2) 'entirely new' Scenarios, defined by different assumptions to 'Key Inputs' to Scenario 1. Each 'entirely new' scenario will match the number of changes to variables scoped for Scenario 1 (1b). For instance, Scenario 2 could assess the feasibility of an extended Parking Management Area zone and a reduction (or removal) of RPP-reserved blocks, with two TOD parameters and testing a range (three) of pricing / mode shift assumptions for this scenario. A different parking technology may be considered in this new scenario but may be limited to the information collected in the previous WP04.

- 1d: Report findings of additional scenarios, updating the final memo and slide deck from WP04 to incorporate the additional scenarios.

Deliverables:

- Arup will prepare updates to the final report for WP04 to include the additional scenarios and findings. We will submit this updated report for review by BART and/or the City of El Cerrito (at BART's discretion) and will make two rounds of edits upon receipt of consolidated, internally-consistent comments from BART and/or the City of El Cerrito.
- Arup will update the slide deck prepared under the existing workplan (WP04) with additional scenarios and findings and will make one round of edits upon receipt of consolidated, internally- comments from BART.
- Arup will share the Excel workbooks that document each scenario prepared for this workplan. The final report will provide a high-level summary of the methods and assumptions used to develop the model itself as well as each scenario.

Task 1 Proposed Consultant Fee: $23,254

Task 2: Coordination with Jay Primus

Coordination with the R-line Consultant team will include sharing background materials and information, coordination meetings, and providing feedback on key work products.

2a. Provide background on the feasibility analysis, assumptions, lessons learned so far to Jay Primus.

2b. Solicit peer review on scenario development and final deliverables from Jay Primus.

2c. Provide up to 4 hours of peer review on Jay Primus' parking-related work products as requested, provided that such review can be completed prior to June 30, 2021.

2d. Participate in up to 6 calls to coordinate with Jay Primus.

Deliverables:

- Meeting notes

Task 2 Proposed Consultant Fee: $3,530

Task 3: Outreach

3a. Conduct two meetings with the City of El Cerrito: 1) solicit input on additional scenario development (Task 1.a), and 2) report findings after additional scenario analysis.

3b. Present the findings of this work at up to two meetings of the El Cerrito Planning Commission, City Council and/or other audience, as requested.

Task 3 Proposed Consultant Fee: $1,845

Prime: Parsons

Subconsultants: None.

Total Work Plan Value: $ 40,628