

Work Plan No. C.16-01 Variable Parking Pricing Implementation

Scope:

Task 1: Project Management and Administration

The Program Management Team at HNTB will perform the following activities in support of the project:

- Work plan progress reporting.
- Subconsultant progress check-in meetings and review of TransSIGHT's quality records to confirm adherence to TransSIGHT's established quality processes and procedures.
- Monthly progress reports and agreement administration.

Task 2: Complete MaaS Platform Development, Testing & Deployment

TransSIGHT will perform all tasks and deliverables within Task 2 for BART. The Scope of work is to analyze, design, develop, test, and deploy changes to the MaaS platform to implement variable pricing. It is anticipated to include the following tasks:

- **Task 2.1 Project Management Documentation Support**
Develop a project schedule and RAID documentation (risks, assumptions, issues, and dependencies).
- **Task 2.2 Finalize Technical Requirements**
Finalize technical requirements for the MaaS platform updates and document agreed-upon file format/interface specifications for the MaaS-to-FCE data transfer.
- **Task 2.3 Project Scope for MaaS**
Update the MaaS platform.

- **Task 2.4 Update BART Official Parking Mobile App and Parking Payment Website**
The Vendor shall implement display and user experience enhancements to both the BART Official Mobile Application and the BART parking payment website (parking.bart.gov) to support variable pricing
- **Task 2.5 Testing:**
The Vendor shall conduct comprehensive testing of the new features and changes, including unit testing, systems integration testing, regression testing, user acceptance testing and sign-off
- **Task 2.6 Deployment**
Deploying all changes covered by this SOW to the production MaaS environment, including coordination with BART stakeholders to schedule the deployment, and monitoring after deployment.

The Vendor shall analyze, design, develop, test, and deploy changes to the MaaS platform to implement variable pricing.

3.1 Project Management Documentation Support

The vendor will develop a project schedule and RAID documentation (risks, assumptions, issues, and dependencies). While the vendor will only be responsible for managing changes to the MaaS platform, these project management documents will be holistic, reflecting all technical changes necessary to implement variable pricing, including changes to the MaaS platform, BART Official App and Website, and FCE back office, and will reflect any dependencies with external projects, such as a separately planned update to the overall design of the BART Official App and Website. The vendor will update these documents as needed once approved throughout the duration of the project.

BART staff will be responsible for managing and documenting non-technical elements of the schedule such as internal stakeholder management and customer communications. BART staff will also be responsible for managing the components of the project outside the MaaS platform (e.g. changes to FCE back office).

3.2 Finalize Technical Requirements

The vendor will finalize technical requirements for the MaaS platform updates and document agreed-upon file format/interface specifications for the MaaS-to-FCE data transfer. This will build on the draft detailed business requirements already developed by BART. Business Requirements are subject to refinement after project kickoff.

3.3 Project Scope for MaaS

The Vendor shall update the MaaS platform with the following changes:

- **Parking module development:** Develop a new parking module within the Parking administrative portal. This module will serve as the centralized interface for parking administrators to configure, validate, schedule, and publish parking prices across all BART stations.
- **Pricing configuration capabilities:** Provide ability to configure price variations for all parking products according to Table 1 below.
- **Effective-date scheduling:** Provide ability to specify an effective date for a scheduled pricing implementation.
- **Interface definition and updates:** Define and develop the best method of data sharing / integration between FCE and MaaS to support the delivery of the Daily Fee price data file and holiday data file to be shared with the FCE Back Office, and implement a more automated integration process for support long term.
- **Retirement of Legacy Components:** Remove legacy pricing configuration interfaces.
- **Holiday-parking controls:** Optional task to provide the ability to enable or disable free holiday parking for a single day and/or multi-day reserved parking.

Table 1. Required Price Variations by Parking Product

Product	Time of Day	Day of Week
Daily Fee (Inc Carpool, Tap and Go)	Three continuous blocks of price variation (times may vary by station) : 1. Block 1 "Peak" (e.g. 4 AM - 10 AM) 2. Block 2 "Off-peak" (e.g. 10 AM - 3 PM)	May vary for each of 7 days of the week

	3. Default/all other times are free	
Multi-Day Reserved, EV	N/A	May vary for each of 7 days of the week
Monthly Parking	N/A	N/A
Non-BART Parking	N/A	N/A

3.4 Update BART Official Parking Mobile App and Parking Payment Website

The Vendor shall implement display and user experience enhancements to both the BART Official Mobile Application and the BART parking payment website (parking.bart.gov) to support variable pricing. All changes described in this section apply equally to both the mobile app and the website.

- Ensure app and website display the correct price depending on the current time of day and day of week
- Indicate hours of free parking (e.g. when parking is free/unavailable for purchase) at the station level rather than the system level
- Provide information to users regarding how prices will change during the day and by day of the week
- For single/multi-day reserved pricing, provide a clear accounting for the customer of how the price for each selected day totals to the amount being charged

3.5 Testing

The Vendor shall conduct comprehensive testing of the new features and changes, including unit testing, systems integration testing, regression testing, user acceptance testing and sign-off

3.6 Deployment

The Vendor shall be responsible for deploying all changes covered by this SOW to the production MaaS environment, including coordination with BART stakeholders to schedule the deployment, and monitoring after deployment. The vendor will support system deployment and address any critical issues after implementation (Day 2).

Prime: HNTB Corporation

Subconsultant	Amount
TransSIGHT LLC	\$ 504,570

Total Work Plan Value: \$ 528,282