

Work Plan A.19.01 Analysis of BART Operations via BSV2 Santa Clara Extension**Scope:**

BART seeks consultant services to simulate and analyze the full network's operational capacity and performance, including the BSV2 extension from Berryessa to Santa Clara as it is currently designed. The Consultant shall update the existing BART TrainOps® full network model, analyze the local operational performance of the extension between Berryessa and Santa Clara stations, the resulting requisite capacity of Newhall Yard, and the effects of BSV2 operations on the complete BART network, for a baseline service scenario (required) and for a range of potential alternative schemes (as directed by BART).

VTA Baseline Service Requirement: *VTA requires the evaluation of a two-route, 12-minute headway baseline service scenario.* This baseline scenario represents the extension of two lines of service that now terminate at Berryessa (currently the Green and Orange lines) to Santa Clara, each operating at 12-minute headways (five trains/hour), with an average composite headway of six minutes (ten trains/hour). This is the level of service for BSV2 specified by BART's Core Capacity Project FFGA, by the BSV2 Design Criteria Manual (DCM), and by BART's specification for the design and installation of Communications-Based Train Control (CBTC).

Prime: Fehr and Peers

Subconsultant	Amount	DBE (Y/N)	SBE (Y/N)
Hatch	\$ 167,829	N	N

Total Work Plan Value: \$ 174,934