

BART Agreement Number: 6M6137

Approval Date: 08/08/23

Work Plan No. A.12 North Berkeley BART TOD Access Plan

Scope:

Fehr & Peers will lead all aspects of the Access Plan, including analysis, recommendations, developer coordination, and plan production.

The study area for the Access Plan will be the area slated for development bounded by Virginia, Sacramento, Delaware, and Acton Streets, including the public right of way on those bounding streets and sidewalks to the edge of the public right of way. BART's auxiliary lots and the Ohlone Greenway between Acton Street and Virginia Gardens are also in the study area. The access plan will include BART requirements for access to the corner substation on BART property.

Task 1. Project Management and Meetings

Fehr & Peers (F&P) will manage the project, with Susie Hufstader as the Project Manager, Molly Sun as the Deputy Project Manager, and Robert Rees as the Principal-in-Charge.

The consultant team will provide overall project management services throughout the development of the North Berkeley BART Station Access Plan.

Task 1.1 Kick-Off Meeting

The consultant will organize a project kickoff meeting with BART staff, the TOD team, City of Berkeley Staff, and the consultant team including Raimi and Associates to refine the project goals, objectives, tasks, and schedule as needed, confirm the geographic boundaries of the study area, and confirm existing data and documents.

This meeting will include a general discussion of how the tasks below will be completed. The consultant will schedule meetings every two weeks with BART to discuss project status and progress, review new analysis, prepare for upcoming tasks, debrief on completed tasks, and troubleshoot other potential challenges that could adversely affect the schedule or budget.

Task 1.2 Project Management

Task 1.2 accounts for project management, including internal meetings, schedule coordination, progress reports, and general project oversight.

Task 1.3 Bi-Weekly Meetings

The consultant team will meet with BART staff on a bi-weekly basis, assuming twelve meetings over a 6-month period.

Task 1 Deliverables:

- Bi-weekly check-ins during project with shared meeting agendas and minutes for all meetings, with notes taken live on screen share.
- Bi-weekly task tracker updates
- Agenda, facilitation, and notes for project kickoff meeting

Task 2. Existing Conditions and Future Needs

The purpose of this task is to compile information on existing conditions in the immediate North Berkeley station area, assess how people accessed the station both today and before Covid, and inform the evaluation of future needs and recommendations. Because significant work has been done to assess existing conditions and mode shift via the Berkeley-El Cerrito Corridor Access Plan (BECCAP) and other efforts led internally at BART, such as the North Berkeley Active Access project, Task 2 will be a focused effort centered on compilation of documents and data collected

to date, a site review of the station area, and analysis to specifically estimate future access needs. Mode share analysis will be based on available pre-Covid data along with post-Covid observations, data and survey responses.

Subtask 2.1 Review Existing Planning Documents and Data

The consultant (F&P) will review and analyze existing access conditions at North Berkeley BART by reviewing existing planning documents and data. Because North Berkeley plan documents and data were already reviewed during the BECCAP process, this task will focus on a succinct review and summary of specific recommendations and project proposals in the station area. Planning documents that will be reviewed as part of this process include:

- BART's Station Access Policy and Multi-Modal Access Plan
- Final BECCAP Report, Appendices, and Compendium
- Developer RFQ, Circulation Framework and Objective Design Standards draft to date
- North Berkeley Joint Vision and Priorities
- City of Berkeley Vision Zero Action Plan, Transit First Implementation Plan, Bicycle Plan, Pedestrian Plan, and General Plan Transportation Element

Data sources that will be reviewed include:

- BART ridership data and forecasts
- BART 2015 Station Profile Survey Data
- BART 2022 Customer Satisfaction survey which includes access mode share data
- BECCAP automobile parking inventory and occupancy data for on- and off-street parking
- Current BART rider parking occupancy data
- BECCAP on-street parking inventory/occupancy (pre and during pandemic)
- Existing bus/shuttle service and ridership data
- Pedestrian and bicycle count data from City of Berkeley, if available
- 2018 multimodal traffic counts (from Mariana)

Subtask 2.2 Document Existing Infrastructure

Following a review of planning documents and data, the consultant team will conduct a field visit to document existing access infrastructure in the North Berkeley BART Station project area. The consultant team will document the availability and condition of access infrastructure including but not limited to:

- Sidewalks, walkways, curb ramps, desire lines, gaps, and other pedestrian paths of travel
- Pedestrian crossings and related traffic controls along main pedestrian corridors

- Bicycle facilities and gaps and bicycle and micromobility parking within the station area
- Bus, shuttle and paratransit stops and their amenities (benches, poles, lighting, shelters)
- Bus paths of travel, including turning movements
- Designated passenger loading locations, including for accessible vehicles
- Off-street and on-street parking

Subtask 2.3 Estimate Future Station Area Access Demands

The consultant (F&P) will review BART projections of future station ridership and will evaluate the future station access needs of TOD residents, users, and BART riders. This assessment will be based on the latest version of the developer's preliminary development concept at the time of analysis, the assumed future parking number of 200 spaces (including 80 spaces in the auxiliary lots) and will involve a meeting with the TOD team to understand key access related features, including the locations of building entrances, driveways, and the station's intermodal facility. To estimate future curb space, bike parking, and transit needs, Fehr & Peers will use a similar methodology for adapting the BECCAP analysis that was used for El Cerrito Plaza. This review and analysis will include the following components:

- Conversion of Choice Parker Analysis to percentage mode shifts for drive and park riders
- Analysis of effect of station parking removal, effect of TOD residents¹, and effect of station area access improvements on future mode share
- Daily ridership and mode share forecasts based on latest Covid-19 recovery assumptions
- Based on those forecasts and developer concepts, recommendations for bike parking and curb space capacity. Recommendations for their layout and location will be in Task 3.

Micromobility and bike share will be included within "bike" mode share assumptions and app-based ride sharing will be included in passenger loading assumptions for the mode share forecast.

Recommendations will seek to meet or exceed demand for all modes. Any recommendations that may not meet forecasted demand will be documented with discussion.

Task 2 Deliverables:

- Two-page memorandum summarizing mode shift analysis prior to write-up in draft future needs chapter

- Draft and final existing conditions and future needs chapters of the North Berkeley BART Station Access Plan with two rounds of consolidated comment response and resolution. Report formatting is included under Task 4.

Task 3. Recommendations

The consultant team will analyze the existing conditions, plans, and future forecast data collected and developed in Task 2 in the context of the preliminary development concept and feedback from BART, City, Developer other agencies, stakeholder groups and the general public. In developing recommendations, City and BART goals and policies will be used to evaluate and prioritize recommendations along with quantitative demands analysis. This effort will result in preliminary access recommendations followed by stakeholder engagement. Then, the consultant team will finalize recommendations for the Access Plan.

Subtask 3.1 Preliminary Recommendations (F&P lead)

The consultant will propose preliminary recommendations using the most up-to-date site design in the immediate station area and adjacent city streets to ensure safe and efficient access to the project area throughout construction and post implementation, including:

- Building ingress/egress
- Street travel lane and turning lane configurations
- Sidewalk widths and clearances
- Crosswalks and curb ramps
- Vehicle access points and curb cuts
- AC Transit bus zone, including layover locations, based on latest understanding of AC Transit service planning
- Shuttle needs
- Passenger loading curb zones with designations (BART customers and TOD users)
- Bicycle facilities
- Bicycle parking numbers, types (racks and e-lockers, bike station) and locations, bikeshare station locations
- Micromobility parking locations
- Pedestrian access recommendations, including in and across any plaza areas in developer concept (desire line identification)
- Customer, resident and carshare parking locations
- On-street loading, including casual carpool
- Wayfinding
- Lighting

The preliminary recommendations will be submitted to BART for two rounds of review and then to the developer. They will include separate PDF markups of the developer site plan by mode, with recommendations noted including quantities and dimensions where applicable. An accompanying Excel sheet with a list of access features will facilitate comment response.

Subtask 3.2 Review Developer TDM Plan

The consultant team will review the developer's TDM plan to ensure that it is consistent with City of Berkeley and BART Guidelines and will effectively reduce vehicle trips to and from the development. Review of the TDM plan will focus on alignment with BART access recommendations.

Subtask 3.3 Developer and Stakeholder Coordination

After submittal of the preliminary recommendations from Task 3.1, the consultant team will participate in a series of meetings and provide written comment responses to coordinate and refine access recommendations with developer, City, and AC Transit. Up to six meetings are assumed in anticipation of topics for discussion including but not limited to: bike parking quantities and location; Ohlone Greenway alignment and design; future bus service needs; and driveway location(s) for both TOD and BART parking facilities.

Subtask 3.4 Final Recommendations

As a result of the conversations described and agreements made as part of subtask 3.3, as well as the resulting development agreement and Objective Design Standards, the consultant will revise and confirm the final recommendations for incorporation in the Access Plan report (Task 4).

Task 3 Deliverables:

- Preliminary recommendations: PDF markups of the site plan showing access by mode. One (1) PDF will be created for each mode. An excel sheet with a list of preliminary access recommendations corresponding to site plan markups will be provided. Two rounds of responses and updates to internal BART comments is assumed prior to task 3.3.
- Email comments on developer TDM Plan to provide feedback on consistency with access plan and team's input on feasibility and whether measures are the most appropriate to meet BART's TDM requirements.
- Up to six two-hour meetings with developer team (and City staff) to iterate and confirm BART access recommendations and site plan. Additional meetings may be scoped as an optional task.
- Formatted graphics on developer CAD base of site plan for each block with excel sheet of final recommendations. Two rounds of responses are assumed: one to consolidated internal BART comments plus one round of comments that include the developer team and City Staff (including Public Works, Planning, Fire Department, etc.).

Task 4. North Berkeley BART Access Plan

As a result of the analysis in Tasks 2 and 3, the consultant team will compile and format the North Berkeley BART Access Plan in a draft and final report. The report will include site plan graphics for each block in the station area developed in Task 3.

The team will provide high level cost estimates for all recommended projects and guidance for estimating the cost to implement non-capital efforts. In addition, FP will prioritize the recommendations into two or three general categories based on a review of the data and technical analysis completed as part of the Access Study.

The report will be formatted in three chapters:

1. Existing Conditions
2. Future Needs and Mode Share
3. Recommendations

Task 4 Deliverables

- Draft and final North Berkeley Access Plan outline with response to one round of BART comments
- Draft and final North Berkeley Access Plan with site plan graphics for each block and intersection. Two rounds of comment response and resolution internal to BART is assumed, plus an additional round of City and developer review and comment resolution.

Task 5. Community Meetings

Subtask 5.1: Participation in Community Meetings

Fehr & Peers will attend up to five (5) meetings and/or outreach events with stakeholders and the public so their input can be considered in the development of the Access Study's preliminary and final recommendations. Meetings are assumed to be standing advisory bodies or events organized by others and include:

- Participation in one Community meeting or workshop led by developer or others
- Participation in two Objective Design Standards (ODS) meeting(s)
- Participation in one City of Berkeley Transportation Infrastructure Committee meeting.
- Participation in one City of Berkeley Design Review Committee meeting.

Fehr & Peers will provide comments and graphics support with the assumption that the developer team will lead on production of outreach materials.

Task 5 Deliverables

- Fehr & Peers comments and staff attendance at up to five (5) meetings organized by others

Prime: Fehr and Peers

Subconsultants: None

Total Work Plan Value: \$ 115,587