

BART Agreement Number: 6M8143

Approval Date: 01/29/24

Work Plan No. B.47-01 Core Capacity Project Grants Development Support

Scope:

HDR will provide BART with the following tasks to assist in developing the Federal FY 24 RAISE grant application.

Task 1: Project Kick-Off/Strategic Guidance

HDR will guide the RAISE application development, schedule, criteria, and overall strategy to produce a successful grant application. This task will include conference calls and an initial kick-off meeting to discuss various alternatives and options for application development and provide intelligence gathered regarding the grant programs.

Deliverables: Intelligence gathered as appropriate and transmitted via email and coordination meetings.

Task 2: Application Preparation

HDR will lead the development of the grant application for the project. HDR will provide technical writing and review services consistent with standard grant criteria. HDR will also assist in evaluating the selected project and developing the possible content for each evaluation criteria described earlier in this proposal.

HDR will coordinate significant aspects of the grant application, including appendices, such as letters of support, funding commitment letters, environmental studies, permit applications, benefit-cost analysis, and Statement of Work.

It is assumed that the BART will submit the grant application on USDOT's grants.gov site.

Deliverables: completed the FY 2024 RAISE Grant Application.

Task 3: Supplementary Benefit-Cost Analysis

HDR will quantify public benefits expected from the project that demonstrate adherence to the appropriate merit criteria. As RAISE is a competitive grant program, a vital challenge of the grant application will be to provide convincing evidence to USDOT of the merit for improvements compared to other investments proposed by other project applicants.

Generally, we propose a five-step process for the economic analyses undertaken for this project:

Step 1: Define Baseline and Alternative Scenarios

As with previous rounds, the Notice of Funding Opportunity (NOFO) requires that project benefits be estimated relative to a no-build scenario that factors in less capital-intensive improvements than the project being considered. Under this step, HDR will work with BART to clarify the baseline condition and the possible alternatives for consideration.

Step 2: Identify Public Benefit Categories

This step formalizes the public benefit categories to be evaluated. Public benefit categories will be mapped to long-term outcomes and merit criteria specified in the NOFO, including:

- Safety
- Environmental Sustainability
- Quality of Life
- Economic Competitiveness
- State of Good Repair

This step includes a strategy session in which the project's various components will be discussed to define fully which elements should be included in the project scope to enhance the probability of a grant award.

Step 3: Develop and Code Benefit-Cost Model Logic

For each benefit category identified in Step 1 above, logic models that represent the methodology used to monetize each project benefit will be developed. The logic model will be populated with the up-to-date information available. HDR will

collect model inputs from various sources, including USDOT guidance and other project documentation.

Step 4: Produce Benefit-Cost Results and test the Sensitivity of Results against Key Variables

In this step, key variables will be flagged for testing, the model will be re-run, and results will be generated based on crucial material events – for example, delay in implementation, significantly lower than anticipated rail volumes, etc.

Step 5: Economic Impact Analysis

In this step, HDR will quantify public benefits expected from the proposed project and measure them against its total costs, summarizing its cost-effectiveness with a benefit-cost ratio and estimating the net benefit that would arise from it.

Step 6: Issue Results

In this step, materials for inclusion in the grant application and support of the findings described in the economics section of the applications are drafted. Typically, a short document is formulated with critical sections for input directly into the application document, and a second short appendix is prepared that can be posted online and referenced in the document's text. The appendix describes the evaluation approach, the data and assumptions used, and the results and the sensitivity analysis conducted.

Task 4: on- Call Grant Support

HDR is available for on-call grant support services that can include the following:

- Grants Strategy (including identification of funding opportunities at the local, state, and federal levels, as well as aligning BART's projects and priorities to those funding opportunities)
- Grant Application (including narrative support as well as potential benefit-cost analysis support when applicable for funding program)
- Grants Management (support for BART on discretionary grant efforts to go from award to obligation)

Potential funding programs include but are not limited to the following:

- **FEDERAL**
 - Rebuilding American Infrastructure with Sustainability and Equity (RAISE)
 - Reconnecting Communities and Neighborhoods Program
 - Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT)
 - Building Resilient Infrastructure and Communities (BRIC)
 - Safe Streets and Roads for All (SS4A)
 - Congestion Relief Program
 - Strengthening Mobility and Revolutionizing Transportation Grant Programs (SMART)
 - Advanced Transportation Technologies and Innovative Mobility Deployment (ATTAIN)
 - Active Transportation Infrastructure Investment Program
- **STATE**
 - Sustainable Transportation Planning Grants
 - Local Partnership Program
 - Solutions for Congested Corridors
 - Transit and Intercity Rail Capital Program
 - Affordable Housing and Sustainable Communities
 - Regional Early Action Planning
 - Statewide Active Transportation Program
 - Low Carbon Transit Operations Program

Prime: HDR

Subconsultants: None

Total Work Plan Value: \$ 151,267