

Bay Area Infrastructure Financing Authority (BAIFA)

June 22, 2022

Agenda Item 4b - 22-0983

Services For Express Lanes Backhaul Network

- i. Purchase Order – Network Consulting Services: SSP Data (\$640,000); and**
- ii. Purchase Order – Telecommunication Services: AT&T (\$205,000)**

Subject:

A request for approval of purchase orders for consulting and telecommunication services in support of the Metropolitan Transportation Commission (MTC) Express Lanes Network operations on I-680 and I-880 and San Mateo County Express Lanes Joint Powers Authority (SMCEL-JPA) express lanes operations on US 101 from Palo Alto to Redwood City, and for implementation of new express lanes segments on US 101 from Redwood City to SR-380 and I-80 from Fairfield to Vacaville. Each vendor will be procured using a collaborative intergovernmental procurement agreement (IPA), which satisfies BAIFA's procurement requirements, subject to the approval of BAIFA Resolution No. 31, FY 2022-23 Operating and Capital Budgets.

Background:

The Backhaul is a metropolitan area network established to support BAIFA express lanes tolling operations. It connects the express lanes corridors to the toll system host at the Benicia-Martinez Toll Plaza, the toll operation data centers at Caltrans District 4, and the Bay Area Metro Center located at MTC's San Francisco offices. The Backhaul began operations in October 2017 in support of BAIFA's I-680 Express Lanes in Contra Costa County between Martinez and San Ramon and has expanded to support the I-880 Express Lanes in Alameda County between Oakland and Fremont and SMCEL-JPA's Express Lanes on US 101. In addition, the Backhaul will support the upcoming I-80 Express Lanes in Solano County from Fairfield to Vacaville, and the extension of US 101 Express Lanes up to I-380. BAIFA's investment in the Backhaul leverages existing communications infrastructure owned by Caltrans and Bay Area Rapid Transit (BART) and has been designed to accommodate future use by traffic management systems operated by Caltrans, MTC, and the Bay Area Toll Authority (BATA).

Network Consulting Services – SSP Data (\$640,000): Network consulting services are needed for the upcoming fiscal year for technical review and oversight of the Backhaul implementation, ongoing operations, and coordination with project stakeholders including Caltrans, the express lane toll system integrator, BART, and telecommunications service providers. These services are critical for maintaining the I-680, I-880, and US 101 Express Lanes operations and maintaining the schedule of the US 101 extension and I-80 Express Lanes projects. The purchase order will be procured from SSP Data through a National Cooperative Purchasing Agreement (NCPA) IPA.

Telecommunication Services – AT&T (\$205,000): The Backhaul network on the express lanes corridors primarily consists of fiber optic cable interconnecting toll equipment to hub sites at the ends of each corridor. At the hub sites, leased fiber from BART and third-party companies as well as AT&T leased-line services are utilized to connect the corridors to the host datacenters in Martinez, San Francisco and Oakland. The estimated annual cost of telecommunication services is \$205,000, an increase of approximately \$40,000 from the previous year's estimate. The increase is due to additional circuits needed for US 101 and I-80 corridors. The purchase order will be procured from AT&T through the state of California's CalNet NextGen IPA.

BAIFA's costs related to services for US 101 are reimbursed by SMCEL-JPA under the operations and maintenance agreement between the two agencies.

Attachment A includes a summary of SSP Data's small business and disadvantaged business enterprise status. AT&T is not a small businesses or disadvantaged business enterprises and does not utilize subcontractors for its services.

Recommendation:

- i. Staff recommends that the Authority authorize the Executive Director or designee to issue a purchase order for services in support of the MTC and SMCEL-JPA Express Lanes Networks in an amount not to exceed \$640,000 to SSP Data for Network Consulting Services, subject to the approval of BAIFA Resolution No. 31 - FY 2022-23 Operating and Capital Budgets.

- ii. Staff recommends that the Authority authorize the Executive Director or designee to issue a purchase order for services in support of the MTC and SMCEL-JPA Express Lanes Networks in an amount not to exceed \$205,000 to AT&T for telecommunication services, subject to the approval of BAIFA Resolution No. 31 - FY 2022-23 Operating and Capital Budgets.

Attachments:

- Attachment A: SSP Data Disadvantaged Business and Small Business Enterprise Status;
- Attachment B-1 and B-2: Request for Committee Approval – Summary of Proposed Purchase Orders



Therese W. McMillan

Attachment A

SSP Data – Disadvantaged Business and Small Business Enterprise Status

Firm Name	Role on Project	DBE* Yes	If DBE Yes, List #	DBE No	SBE** Yes	If SBE Yes, List #	SBE No
SSP Data	Network Consulting Services			X	X	56663	

*Denotes certification by the California Unified Certification Program (CUCP).

**Denotes certification by the State of California.

Attachment B-1

REQUEST FOR AUTHORITY APPROVAL

Summary of Proposed Purchase Order

Work Item Nos.: 6843, 6853, 6861, 6864

Consultant: SSP Data
Richmond, CA

Work Project Title: Express Lanes Backhaul Communications Network

Purpose of Project: Installation, operation, and maintenance of Backhaul Communications Network in support of the MTC Express Lanes

Brief Scope of Work: Provide network consulting services for the Backhaul Communications Network

Project Cost Not to Exceed: \$640,000

Funding Source: BAIFA Express Lanes Program Operating Budget

Fiscal Impact: Funding is subject to adoption of the FY 2022-23 BAIFA Operating and Capital Budgets (BAIFA Resolution No. 31).

Motion by Authority: That the Executive Director or designee is authorized to issue a purchase order to SSP Data for services described above and in the BAIFA Summary Sheet dated June 22, 2022 and the Chief Financial Officer is authorized to set aside \$640,000 for such purchase order, subject to approval of the FY 2022-23 BAIFA Operating and Capital Budgets.

BAIFA:

Alfredo Pedroza, Chair

Approved: June 22, 2022

Attachment B-2

REQUEST FOR AUTHORITY APPROVAL

Summary of Proposed Purchase Order

Work Item Nos.: 6843, 6853, 6861, 6864

Consultant: AT&T
Aurora, IL

Work Project Title: Express Lanes Backhaul Communications Network

Purpose of Project: Installation, operation, and maintenance of Backhaul Communications Network in support of the MTC Express Lanes

Brief Scope of Work: Provide telecommunication services for the Backhaul Communications Network

Project Cost Not to Exceed: \$205,000

Funding Source: BAIFA Express Lanes Program Operating Budget

Fiscal Impact: Funding is subject to adoption of the FY 2022-23 BAIFA Operating and Capital Budgets (BAIFA Resolution No. 31).

Motion by Authority: That the Executive Director or designee is authorized to issue a purchase order to AT&T for services described above and in the BAIFA Summary Sheet dated June 22, 2022 and the Chief Financial Officer is authorized to set aside \$205,000 for such purchase order, subject to approval of the FY 2022-23 BAIFA Operating and Capital Budgets.

BAIFA:

Alfredo Pedroza, Chair

Approved: June 22, 2022