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## *Memorandum*

TO: BAIFA

DATE: June 21, 2017

FR: Executive Director

W. I. 6845

RE: Contract Amendment – On-Call Design Services: Regional Express Lane Network: I-880 Plans, Specifications and Estimate and Design Support Services: HDR Engineering, Inc. (\$817,700)

This memorandum seeks approval from the Authority to amend a contract with HDR Engineering, Inc. (HDR) in an amount not to exceed \$817,700 for design services during construction of the I-880 Express Lanes (Project), subject to the approval of the FY 2017-18 Bay Area Toll Authority (BATA) budget and the amendment of the Express Lane Program Expenditure Plan.

### **Background**

The Project will convert 51 miles of existing I-880 high-occupancy vehicle lanes to express lanes in Alameda County between Hegenberger Road/Lewelling Boulevard and the Santa Clara County Line. Civil roadway improvements include construction of new foundations for overhead signs, structures and lighting; installation of conduit, subsurface vaults and signs; reconstruction of median barriers; restriping freeway lanes; and paving to prevent pavement scarring. The Project also includes installation of fiber and connections to partner agency fiber and leased-line services for the backhaul communications network (Backhaul). In addition to the Project, Caltrans has secured separate funding for projects to replace the median barrier and to rehabilitate the pavement on I-880. To minimize the overall construction duration and impacts to the public, BAIFA and Caltrans have agreed Caltrans will install express lanes foundations as part of its median barrier replacement project (under construction since Spring 2016) and will include express lanes paving in its paving project (to advertise later this year). Under a separate item on the June BAIFA agenda, staff is recommending BAIFA award a contract for construction of the remaining civil work. Upon substantial completion of the civil work, BAIFA will install toll equipment under its existing Toll Systems Integrator Contract with Transcore ICP. The I-880 Express Lanes are projected to open in 2019.

In January 2014, after a competitive procurement, the BATA Oversight Committee authorized eight firms to provide on-call construction design services. The Request for Qualifications (RFQ) allowed selected consultants to work not only for BATA but also for BATA's affiliated agencies, including BAIFA. The RFQ specified the lead agency could directly assign work to a particular firm based on expertise and availability or could conduct informal solicitations among qualified firms to assign the work. BAIFA authorized the current contract to HDR for \$7,000,000

following a competitive procurement from the on-call design services bench. HDR has completed Plans, Specifications and Estimates (PS&E) for the Express Lanes elements in the Caltrans median barrier contract as well as the Express Lanes civil contract. HDR's scope also includes providing design services during construction for both contracts.

This amendment would:

- 1) Replenish the funds available in the contract for design services during construction  
While the decision to construct some Express Lanes civil elements in the Caltrans median barrier and paving contracts will reduce the impact of construction on the driving public, it also increased the cost for coordination during design. In addition, Caltrans required substantial modifications to the plans and permit application. Caltrans provided new comments on the Final PS&E submittal, thus requiring an additional round of comment resolution, re-design and multiple resubmittals. As a result, HDR expended approximately \$300,000 of the budget that had been reserved for design services during construction.
- 2) Provide funding for design services during construction for the Backhaul in the I-880 corridor, which is included in the I-880 Express Lanes civil construction contract. BAIFA staff initially expected to issue separate contracts for construction of the Backhaul in each corridor. However, based on the experience of the I-680 Backhaul design and construction, staff elected in 2016 to integrate Backhaul construction along I-880 into the Express Lanes civil construction contract. Design services for the Backhaul have been provided by Atkins North America, Inc. (Atkins) under the Toll System Manager contract, which expires in December 2017. Since the Backhaul and Express Lanes civil work will be performed under a single contract, it is more effective to have all design services during construction under a single contract. This amendment would allow Atkins to provide design services during construction for the Backhaul as a sub-contractor to HDR. The budget for this work is \$510,000.

The funds for this work are subject to approval of the proposed revision to the Express Lane Program Expenditure Plan, BAIFA Resolution No. 9, Revised addressed in a separate item on the June BAIFA agenda. Attachment A includes a summary of HDR and its project team's small business and disadvantaged business enterprise status.

#### **Recommendation**

Staff recommends that the Authority authorize the Executive Director or his designee to negotiate and enter into a contract amendment with HDR in an amount not to exceed \$817,700 for the work specified herein, subject to approval of the BATA FY 2017-18 budget and amendment of the Express Lane Program Expenditure Plan.



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Steve Heminger

SH: lk

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**Attachment A**  
Small and Disadvantaged Business Participation

Firm Name	Role on Project	DBE* Firm			SBE** Firm		
		Yes	If Yes, List #	No	Yes	If Yes, List #	No
HDR Engineering, Inc.	Prime			X			X
Kimley Horn and Associates, Inc.	Electrical, Sign Structures and Traffic Handling			X			X
WRECO	Drainage, Storm water	X	30066		X	60800	
Parikh Consultants, Inc.	Geotechnical	X	20259		X	9631	
Haygood Associates, Inc.	Landscape	X	3171				X
Atkins North America, Inc.	Backhaul Electrical			X			X

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

\*\*Denotes certification by the State of California.

## REQUEST FOR AUTHORITY APPROVAL

### Summary of Proposed Contract Amendment

Work Item No.:	6844
Contractor:	HDR Engineering, Inc., Oakland, CA
Work Project Title:	On-Call Project Design Services: I-880 Express Lanes Project
Purpose of Project:	To complete plans, specifications and estimates and design support during construction for the I-880 Express Lanes Project.
Brief Scope of Work:	Perform design services and design support during construction in accordance with BAIFA and Caltrans standard guidelines for the I-880 Express Lanes Project.
Project Cost Not to Exceed:	\$817,700 this amendment Total authorized before this amendment: \$7,000,000 Total authorized with this amendment: \$7,817,700
Funding Source:	BATA Express Lanes Capital Project Budget
Fiscal Impact:	Funding is included in the Express Lane Capital Project Budget, subject to adoption of the FY 2017-18 Toll Bridge Program Operating and Capital Budgets (BATA Resolution No. 122) and amendment of the Express Lane Program Expenditure Plan (BAIFA Resolution No. 9, Revised).
Motion by Authority:	That the Executive Director or his designee is authorized to negotiate and enter into a contract amendment with HDR Engineering, Inc. in an amount not to exceed \$817,700 for the services as described above and in the Executive Director's memorandum dated June 21, 2017, and the Chief Financial Officer is directed to set aside funds in the amount of \$817,700 for such contract amendment, subject to budget adoption and the amendment of the Express Lane Program Expenditure Plan as specified above.
BAIFA:	<hr/> Jake Mackenzie, Chair
Approved:	Date: June 28, 2017