

July 27, 2021

Dwight Norton
Sr. Director of Strategic Planning
New Orleans Regional Transit Authority
2817 Canal Street
New Orleans, LA 70119

Re: Rampart Streetcar Line Emergency Recovery Project – Phase 2
AECOM Project #60637432
Scope and Cost Proposal: Contract Amendment #2 – Additional design scope of work

Dear Mr. Norton:

AECOM understands that the RTA would like AECOM to provide additional design work for the referenced project that would address the remediation of two components of the existing Rampart Streetcar Line infrastructure: the elastomeric grout surrounding areas of the special trackwork of the half-grand union at the intersection of Canal Street and North Rampart Street, and the structural reinforcement of the in-track traction power boxes along the Rampart Streetcar Line. During a series of telephone conversations and e-mail correspondence, the previous RTA project manager stated that these two long-standing infrastructure conditions along the Rampart Streetcar Line have created maintenance problems for several years and that the RTA would like AECOM to address their remediation as part of the on-going design of the Rampart Streetcar Emergency Recovery. AECOM's proposal for providing design and engineering field support for those elements of work is \$107,923.26, which will increase the present AECOM contract amount to \$298,492.75.

SCOPE OF SERVICES

In a January 14, 2021 letter AECOM proposed to review and assess the condition of the elastomeric grout infill areas of the half-grand union at the intersection of Canal Street and Rampart Street, and to review and assess the condition of the structural conditions of the traction power pull boxes integral with the track slabs along Rampart Street. That proposal included a clarification that the proposals included field inspection of the existing conditions, but did not include the design or redesign of the conditions.

AECOM now proposes to provide design services to take the preliminary assessment to the next level and provide construction documents and engineering field support of the remedial work. This proposal includes the following scope of work:

Elastomeric Grout

1. Provide the updated field assessment of the elastomeric grout locations for the purposes of providing a detailed "map" of the locations requiring correction.
2. Develop design drawings and specifications, if necessary, to identify the third-party contractor work necessary to replace the failed elastomeric grout with a full-depth replacement.
3. Provide engineering field support during the initial phase of the selective demolition of the failed epoxy grout.

Traction Power Boxes

1. Provide an updated assessment of the condition and location of the existing traction power pull boxes along Rampart Street, which were installed during the original construction, to identify the proper, measured limits of the proposed selective demolition around each traction power box location.
2. Develop design drawings and specifications, if necessary, to describe the third-party contractor scope of work to remove the traction power box frame installations and replace the box frames with more robust structural supports.
3. Provide engineering support for reviewing construction phase RFIs and contractor submittals required by the contract documents.

SCHEDULE

The AECOM proposal is based on a four-week design duration that will commence with the receipt of the RTA approval of the proposal. It assumes that this work will be completed in such a manner that allows it to be used as a Bid Amendment of the remainder of the Phase 2 Rampart Streetcar Emergency Recovery Project. The proposed construction phase engineering support will be performed during the Phase 2 third party construction work. AECOM's proposal is based on completion of the work by the end of calendar 2021.

A detailed cost proposal, including Form 4400 documentation is provided herein. Should you have any questions, please contact Bill Norquist at 215-789-2115 (william.norquist@aecom.com) or AECOM's Project Director, Sam Pickard, at 215-789-2154 or 267-246-0645 (samuel.pickard@aecom.com).

Sincerely,

AECOM Technical Services, Inc.



Samuel A Pickard, PE
Vice President – Transit
Project Director




William V. Norquist, Jr., PE
Vice President - Transit/Rail
Project Manager

Project No.: 60637432
Project: RTA Rampart Streetcar Line: Reinstallation Plan
Task: Amendment No. 2: Design of traction power box repairs and elastomeric grout replacement
Date: 7/27/2021

TASK	Employee Name	SUMMARY OF ESTIMATED HOURS								
	Description	S. Pickard Proj. Mgr.	W. Norquist Technical Mgr.	J. McDowell Task Mgr.	Varies Sr. Eng.	Varies Eng.	Varies Jr. Eng.	Varies Inspector	Varies Designer / Tech.	TBD CADD
	Direct Labor Rate	\$116.28	\$110.30	\$80.29	\$70.00	\$55.00	\$32.00	\$38.00	\$42.00	\$34.00
1. Evaluate existing foundations adj. to Hard Rock										
Field inspection of all Traffic Control Boxes and ground conditions			8	8	8	5		5		
2. Develop Construction Plans for Traction Control Box Repair										
Title Sheet				2			4		6	
Plan view (2 Sheets)				2	6	12	16		24	
Disposition Table				1	6				2	
Detail Sheets (4 sheets)				2	14	28	28		42	
Traffic Control				2	4	8	32		32	
Specifications				4	8	12	16			
QC		2	8							
3. Design removal and replacement of elastomeric grout										
Develop Civil Plan views (3 drawings)				6	12	24			36	
Investigate Repair Options and costs (3 alternatives and call for selection)				8	8					
Epoxy Repair Details				2	4		6		12	
Disposition Table				1		6			2	
Traffic Control				2		8	8		16	
Assemble Standard Plan and Details (10 sheets)				5		10			20	
QC		2	12	4					8	
4. Additional Construction Mgmt. and construction field support										
RFI and Submittal Review				8	8	8	8	40	16	
Inspection of Existing Epoxy Removal								80		
Coordination		8	16	8	8					
TOTAL HOURS		12	44	65	86	121	118	125	216	0
TOTAL - DIRECT LABOR (by person)		\$1,395.36	\$4,853.20	\$5,218.85	\$6,020.00	\$6,655.00	\$3,776.00	\$4,750.00	\$9,072.00	\$0.00
	Direct Labor		\$41,740.41							
	Overhead	1.30697	\$54,553.46							
	ODCs		\$2,000.00							
	Profit	10%	\$9,629.39							
	ESTIMATED TOTAL		\$107,923.26							

FEDERAL AVIATION AGENCY COST AND PRICE ANALYSIS - RESEARCH AND DEVELOPMENT CONTRACTS			Form approved Budget Bureau No. 06-r120	
This form is to be used in lieu of FAA Form 3515 as provided under FAPH 2-16-260-2, it will be executed and submitted with proposals in response to "Requests for Proposals," for the procurement research and development services. If your cost accounting system does not permit analysis of costs as required, contact the purchasing office for further instructions.			PURCHASE REQUEST NUMBER	
			Request for Proposals No.	
NAME AND ADDRESS OF OFFERER AECOM Technical Services, Inc. 1555 Poydras Street, Suite 1860 New Orleans, LA 70112			TITLE OF PROJECT Rampart Streetcar Line: Recovery Project	
DETAIL DESCRIPTION Rampart Streetcar Line : Recovery Project - Amendment No. 2 Elastomeric grout and traction power boxes rehabilitation		ESTIMATED HOURS	RATE/HOUR	TOTAL ESTIMATED COST (Dollars)
1) DIRECT LABOR (Specify)				
Project Manager		12	\$116.28	\$1,395.36
Technical Manager		44	\$110.30	\$4,853.20
Task Manager		65	\$80.29	\$5,218.85
Senior Engineer		86	\$70.00	\$6,020.00
Engineer		121	\$55.00	\$6,655.00
Junior Engineer		118	\$32.00	\$3,776.00
Inspector		125	\$38.00	\$4,750.00
Designer/Technician		216	\$42.00	\$9,072.00
CADD/Drafter		0	\$34.00	\$0.00
TOTAL DIRECT LABOR		787		\$41,740.41
2) BURDEN (Overhead - Specify)	BURDEN RATE	x	BASE =	BURDEN (\$)
Corporate Overhead	130.70%	\$41,740.41	\$54,553.46	\$54,553.46
TOTAL BURDEN				
3) DIRECT MATERIAL				
TOTAL MATERIAL				\$0.00
4) SPECIAL TESTING (Including field work at Governmental installations)				
N/A				
TOTAL SPECIAL TESTING				
5) SPECIAL EQUIPMENT (If direct charge - specify in Exhibit B on reverse)				
6) TRAVEL (If direct charge)				
a) TRANSPORTATION (includes all non-per diem travel)				\$1,375.00
b) PER DIEM OR SUBSISTENCE				\$625.00
TOTAL TRAVEL				\$2,000.00
7) CONSULTANTS (Identify - purpose - rate)				
TOTAL CONSULTANTS				\$0.00
8) SUBCONTRACTS (Specify in Exhibit B on reverse)				\$0.00
9) OTHER DIRECT COSTS (Specify in Exhibit B on reverse. Explain royalty costs, in any)				
10) TOTAL Direct Cost & Burden				
11) GENERAL AND ADMINISTRATIVE EXPENSE (Rates % of item nos.)				
12) TOTAL ESTIMATED COSTS				\$98,293.87
13) FIXED FEE OR PROFIT (State basis for amount in proposal) 10 % of LABOR & OVERHEAD				\$9,629.39
14) TOTAL ESTIMATED COST AND FIXED FEE OR PROFIT				\$107,923.26

15) OVERHEAD RATE AND GENERAL ADMINISTRATIVE RATE INFORMATION				
A. GOVERNMENT AUDIT PERFORMED No		DATE OF AUDIT 17-Mar-21		ACCOUNTING PERIOD COVERED Fiscal Year ending October 2, 2020
B. NAME AND ADDRESS OF GOVERNMENT AGENCY MAKING AUDIT Cleary Government Services, LLC 321 N. Clark Street Suite 1200 Chicago, IL 60654			C. DO YOUR CONTRACTS PROVIDE NEGOTIATED OVERHEAD RATES YES NO (If yes, Name Agency negotiating rates)	
D. (If no Government rates have been established furnish the following information)				
DEPARTMENT OR COST CENTER	RATE	BASE	INDIRECT EXPENSE POOL	BASE FOR TOTAL
N/A				
16) EXHIBIT A - SUB CONSULTANT INFORMATION (If more space is needed use blank sheets, identifying item numbers)				
NAME AND ADDRESS OF SUBCONTRACTOR	SUBCONTRACTED WORK		SUBCONTRACT	
			TYPE	AMOUNT
N/A				
17) EXHIBIT B - OTHER DIRECT COSTS (Specify, if more space is needed, use blank sheets, identifying item numbers)				
Travel costs / Lodging			Travel: all costs except per diem \$1,375.00 Travel: per diem \$625.00 	
CERTIFICATE				
<p>The labor rates and overhead costs are current and other estimated costs have been determined by generally accepted accounting principles. Bidder represents: (A) that he has, or has not, employed or retained any company or person (other than a full-time bona fide employee working solely for the bidder) to solicit or secure this contract, and (b) that he has, or has not, paid or agreed to pay any company or persons (other than a full-time bona fide employee working solely for the bidder) any fee, commission, percentage or brokerage fee, contingent upon or resulting from the award of this contract, and agrees to furnish information relating to (a) and (b) above, as requested by the Contracting Offices.</p>				
(For interpretation of the representation, including the term "bona fide employee," see (Code of Federal Regulations. Title 44, Part 150.)				
NUMBER OF CONTRACTOR EMPLOYEES Over 1,000		STATE INCORPORATED IN California		
DATE 7-21-21	SIGNATURE AND TITLE OF AUTHORIZED REPRESENTATIVE OF CONTRACTOR  Vice President - Transit			