

## Independent Cost Estimate (ICE)

### INDEPENDENT COST ESTIMATE SUMMARY FORM

Project Name:	Zero-Emission Resilient Fleet
Project Number:	2023-FL-02
Date of Estimate:	6/20/24
Description of Goods/Services:	Project management services to support the RTA's deployment of 20 battery electric buses, charging infrastructure and workforce development for the 2023 Low-No project. Services include project controls and risk managing procedures to guide the effective and efficient management of this project.

- ☒ New Procurement  
☐ Contract Modification (Change Order)  
☐ Exercise of Option

#### Method of Obtaining Estimate:

- ☒ Published Price List (attach source and date)  
☐ Historical Pricing (attach copy of documentation from previous PO/Contract)  
☒ Comparable Purchases by Other Agencies (attach email correspondence)  
☐ Engineering or Technical Estimate (attach)  
☐ Independent Third-Party Estimate (attach)  
☐ Other (specify) \_\_\_\_\_ attach documentation  
☐ Pre-established pricing resulting from competition (Contract Modification only)

*Attach additional documentation such as previous pricing, documentation, emails, internet screen shots, estimates on letterhead, etc.*

**Summary of Method:** Compared pricing for similar service for other transit agency (1.5% of total project) as well as project management fee standards from other large institutions (1.5-1.75% of total project for one of comparable size)

Through the method(s) stated above, it has been determined the estimated total cost of the goods/services is \$1,225,240 (1.5% x \$81,682,684)

The preceding independent cost estimate was prepared by:

Dwight Norton

---

*Name*

A handwritten signature in blue ink, appearing to be 'Dwight Norton', written over a horizontal line.

---

*Signature*

**New Orleans Regional Transit Authority- Full Project Scope**  
**FTA Low or No Emission Vehicle Program (Low-No) Program**  
**FY 2023**

USE OF FUNDS							
PROJECT BUDGET					LOW-NO BUDGET		
Item Description	Partner	Qty	Unit Cost plus Tax	Project Total	Federal Low-No Amount Requested	Local Low-No Match Amount	Total Cost
<b>Buses</b>							
Buses	State Contract	20	\$ 1,560,854	\$ 31,217,086	\$ 26,534,523	\$ 4,682,563	\$ 31,217,086
Pre/Post Buy America Audit	Jacobs/CTE	1	\$ 50,000	\$ 50,000	\$ 42,500	\$ 7,500	\$ 50,000
QMS/QA Periodic Inspection	Jacobs/CTE	1	\$ 16,000	\$ 16,000	\$ 13,600	\$ 2,400	\$ 16,000
<i>Insert new items above this line</i>							
<b>Bus Subtotal</b>				\$ 31,283,086	\$ 26,590,623	\$ 4,692,463	\$ 31,283,086
<b>Facilities</b>							
Depot Charger - 180 KW Charging Cabinet	Heliox	7	\$ 78,695	\$ 550,865	\$ 495,779	\$ 55,087	\$ 550,865
Dispenser Cabinet Pantograph	Heliox	20	\$ 24,500	\$ 490,000	\$ 441,000	\$ 49,000	\$ 490,000
Depot Pantograph	Heliox	20	\$ 25,840	\$ 516,800	\$ 465,120	\$ 51,680	\$ 516,800
Depot Charger - Service Level Agreement	Heliox	12	\$ 155,770	\$ 1,869,240	\$ 1,682,316	\$ 186,924	\$ 1,869,240
En-Route Charger - 450 kW Charging Cabinet	Heliox	2	\$ 322,300	\$ 644,600	\$ 580,140	\$ 64,460	\$ 644,600
En-Route Charger Mast	Heliox	2	\$ 127,665	\$ 255,330	\$ 229,797	\$ 25,533	\$ 255,330
En-Route Pantograph	Heliox	2	\$ 60,925	\$ 121,850	\$ 109,665	\$ 12,185	\$ 121,850
Dispenser Cabinet Pantograph	Heliox	2	\$ 24,500	\$ 49,000	\$ 44,100	\$ 4,900	\$ 49,000
En-Route Charger Service Level Agreement	Heliox	12	\$ 107,080	\$ 1,284,960	\$ 1,156,464	\$ 128,496	\$ 1,284,960
Smart Charging Management System Set-up Fees	Jacobs	1	\$ 34,302	\$ 34,302	\$ 30,872	\$ 3,430	\$ 34,302
Smart Charging System (Per Charger # of Additional Years)	Jacobs	12	\$ 18,480	\$ 221,760	\$ 199,584	\$ 22,176	\$ 221,760
Yard View (One for Depot)	Jacobs	12	\$ 10,800	\$ 129,600	\$ 116,640	\$ 12,960	\$ 129,600
Smart Charging System (Per Bus # of Additional Years)	Jacobs	12	\$ 32,800	\$ 393,600	\$ 354,240	\$ 39,360	\$ 393,600
Design, Construction, etc	Jacobs	1	\$ 7,927,691	\$ 7,927,691	\$ 7,134,922	\$ 792,769	\$ 7,927,691
Microgrid	Jacobs	1	\$ 30,800,000	\$ 30,800,000	\$ 27,720,000	\$ 3,080,000	\$ 30,800,000
<i>Insert new items above this line</i>							
<b>Facilities Subtotal</b>				\$ 45,289,598	\$ 40,760,638	\$ 4,528,960	\$ 45,289,598
<b>Workforce Development</b>							
Bus OEM Operator, Maintenance, First Responder Training	State Contract	1	\$ 250,000	\$ 250,000	\$ 200,000	\$ 50,000	\$ 250,000
Infrastructure Training	Heliox	1	\$ 250,000	\$ 250,000	\$ 200,000	\$ 50,000	\$ 250,000
PPE, Tools, and Equipment	State Contract	1	\$ 250,000	\$ 250,000	\$ 200,000	\$ 50,000	\$ 250,000
Training Aids, Simulators, Components, Equipment	State Contract	1	\$ 250,000	\$ 250,000	\$ 200,000	\$ 50,000	\$ 250,000
Workforce Development Assessment	Agency	1	\$ 3,500,000	\$ 3,500,000	\$ 2,800,000	\$ 700,000	\$ 3,500,000
NTI Training			\$ -	\$ -	\$ -	\$ -	\$ -
<i>Insert new items above this line</i>							
<b>Workforce Development Subtotal</b>				\$ 4,500,000	\$ 3,600,000	\$ 900,000	\$ 4,500,000
<b>Professional Services</b>							
Project Management and Technical Support	Jacobs/CTE	1	\$ 610,000	\$ 610,000	\$ 488,000	\$ 122,000	\$ 610,000
<i>Insert new items above this line</i>							
<b>Professional Services Subtotal</b>				\$ 610,000	\$ 488,000	\$ 122,000	\$ 610,000
<b>Project Total</b>				\$ 81,682,684	\$ 71,439,261	\$ 10,243,423	\$ 81,682,684

**Solano County Transit - SolTrans  
Standard Professional Services Contract  
Project: Technical Services Support**

---

1. **Project Description: Technical Services Support**
2. **This Contract is entered into between the Solano County Transit (SolTrans) and the Contractor named below:**  
  
**Contractor's Name: Center for Transportation & the Environment (CTE)**  
**Business Form: Non- Profit**
3. **The Term of this Contract is: From date of execution of contract to December 31, 2026**
4. **The maximum amount of this Contract is: \$369,000.00**
5. **The CONTRACTOR agrees to comply with the terms and conditions of the following exhibits which are by this reference made a part of this Contract and incorporated herein as though set forth in full:**
  - **Exhibit A – Scope of Work**
  - **Exhibit B – Budget Detail and Payment Provisions**
  - **Exhibit C – General Terms and Conditions**
  - **Exhibit D – Special Provisions Related to Federal Funding**

**IN CONSIDERATION OF THE MUTUAL PROMISES CONTAINED IN THIS CONTRACT,  
THE PARTIES HAVE EXECUTED THIS CONTRACT ON THE 17<sup>th</sup> DAY OF MAY 2024.**

**SOLANO COUNTY TRANSIT**

By   
**BETH KRANDA, Executive Director**

**CONTRACTOR**

By   
**DAN RAUDEBAUGH, Executive Director**

**Approved as to form:**

By:   
**BERNADETTE CURRY, SolTrans Legal Counsel**

**SolTrans Contact Information**

Beth Kranda, Executive Director  
311 Sacramento St.  
Vallejo, CA 94590  
Attn: Kristina Botsford, Deputy Director  
(707) 736-6983

**Contractor Contact Information**

Niki Rinaldi El-Abd, Lead Managing Consultant  
2041 Bancroft Way, Suite 210  
Berkley, CA 94704-1405  
(949) 636-3575  
niki@cte.tv

**CONTRACT MUST BE EXECUTED BEFORE WORK CAN COMMENCE**

## **PROJECT BUDGET** Agency/CTE

Recipients are permitted to use up to 0.5 percent of their requested grant award for workforce development activities eligible under Federal public transportation law (49 U.S.C. 5314(b)), including on-the-job training, labor-management partnership training, and registered apprenticeships, and an additional 0.5 percent for costs associated with training at the National Transit Institute. Supportive services, such as childcare and transportation assistance for participants, may be an eligible use of program funds under 49 U.S.C. 5314(b). FTA will publish clarifying frequently asked questions.

For applicants proposing projects related to zero-emission vehicles (including vehicles, facilities, equipment, etc.) for either program, 5 percent of the requested Federal amount, including the workforce development activities, but not including additional required local share, must be used for workforce development to retrain the existing workforce and develop the workforce of the future, including registered apprenticeships and other joint labor-management training programs, as outlined in the applicant's Zero-Emission Transition Plan (see Section E(1)(c) of this notice), unless the applicant certifies via the application that less funding is needed to carry out the Plan. Supportive services, such as childcare and transportation assistance for participants, may be an eligible use of program funds within this 5 percent. FTA will publish clarifying frequently asked questions. Applicants must identify the proposed use of funds for these activities in the project proposal and identify them separately in the project budget. These amounts are additional, not a take-down, from other eligible project expenses. For example, if an application includes a Federal request of \$95,000 for total capital costs of the zero-emission vehicles and associated equipment, an additional Federal request of \$5,000 should be included in the budget for workforce development expenses for a total Federal request of \$100,000. The local share for the vehicles, equipment, and workforce development is in addition to the \$100,000 Federal request. Applicants are encouraged to discuss training needs with their workforce and to develop training plans in collaboration with unions and other workforce representatives, as well as with workforce boards, community colleges, and other workforce organizations. Applicants that propose not to use the full 5 percent available must include an explanation as to why the funds are not needed. If a single project proposal involves multiple public transportation providers, such as when an agency acquires vehicles that will be operated by another agency, the proposal must include a detailed statement regarding the role of each public transportation provider in the implementation of the project.

Description (100 characters)	QTY	Federal Amount Requested	Local Match Amount	Other Federal Funds	Other	Total Cost
Buses, Configurables and Delivery	14	\$8,478,050	\$2,966,017	5,071,078	894,896	\$17,410,041
Spare Parts	1		\$27,095			\$27,095
Diagnostic Tools and Laptop	2		\$10,838			\$10,838
Data Access Tools	14	\$29,750	\$5,250			\$35,000
Pre/Post Buy America Audit	4		\$10,000			\$10,000
Periodic Inspections	2		\$20,000			\$20,000
Depot Chargers & Installation	11	\$880,000	\$935,000			\$1,815,000
Charger Data Access Tools	3	\$159,500	\$296,215			\$455,715
On-Route Chargers, Construction, & Installation	3	\$1,992,000	\$1,287,589			\$3,279,589
On-Route Design & Construction Management	1		\$175,000			\$175,000
Workforce Development	1	\$608,000	\$152,000			\$760,000
NTI Training	4	\$16,000	\$4,000			\$20,000
Project Management	1	\$295,200	\$73,800			\$369,000
	Total:	\$12,458,500	\$5,962,803	\$5,071,078	894,896	\$24,387,277

# [Facilities Management, Northwestern University](#) ([/..../index.html](#))

## Project Management Fees

Facilities uses a graduated project management fee system. The fee structure is based on project cost, with no difference in the fees charged by Facilities Design & Construction and Facilities Operations. The fee will be based on the initial established project budget and will not be changed over the term of the project.

Project management fees will be as follows:

Project Size	Management Fee
\$0-\$500,000	5.00%
\$500,001-\$1,000,000	4.50%
\$1,000,001-\$5,000,000	4.00%
\$5,000,001-\$10,000,000	3.50%
\$10,000,001-\$25,000,000	3.00%
\$25,000,001-\$50,000,000	2.50%
\$50,000,001-\$75,000,000	2.00%
\$75,000,001-\$100,000,000	1.75%
\$100,000,001-\$150,000,000	1.50%
\$150,000,001-\$200,000,000	1.25%
Over \$200,000,000	1.00%

[\\_\(/https://www.northwestern.edu/\)](https://www.northwestern.edu/)

[Northwestern University Home](https://www.northwestern.edu/) ([/https://www.northwestern.edu/](https://www.northwestern.edu/))

[Facilities](#) ([/..../index.html](#)) 2020 Ridge Avenue, Evanston, IL 60208

Evanston Campus - Phone: 847.491.5201

Chicago Campus - Phone: 312.503.8000 Fax: 312.503.4106

Email: [facilities@northwestern.edu](mailto:facilities@northwestern.edu) ([/mailto:facilities-management@northwestern.edu](mailto:facilities-management@northwestern.edu))

[Contact Northwestern University](https://www.northwestern.edu/contact.html) ([/https://www.northwestern.edu/contact.html](https://www.northwestern.edu/contact.html)) | [Careers](https://www.northwestern.edu/hr/careers/) ([/https://www.northwestern.edu/hr/careers/](https://www.northwestern.edu/hr/careers/)) | [Disclaimer](https://www.northwestern.edu/disclaimer.html) ([/https://www.northwestern.edu/disclaimer.html](https://www.northwestern.edu/disclaimer.html)) | [Campus Emergency Information](https://www.northwestern.edu/emergency/index.html) ([/https://www.northwestern.edu/emergency/index.html](https://www.northwestern.edu/emergency/index.html)) | [University Policies](https://policies.northwestern.edu/) ([/https://policies.northwestern.edu/](https://policies.northwestern.edu/))



## Facilities Planning & Management

Design and Construction Services is a reimbursable department providing project management services to construction projects. A Project Management Fee (PM fee) is charged to generate funding to pay for expenses. This fee is based on a percentage of the total project cost minus the PM fees.

### Project Management Fee by Percentage

Total Project Cost (minus project management fees)	Project Management Fee
\$50,000-\$100,000	5.00%
\$100,001-\$250,000	4.50%
\$250,001-\$1,000,000	4.00%
\$1,000,001-\$5,000,000	3.50%
\$5,000,001-\$10,000,000	2.50%
\$10,000,001-\$20,000,000	2.00%
\$20,000,001 and up	1.50%

The fees will be charge incrementally to the projects at strategic milestones, minimally during design, construction, and at the completion of the project.

<https://facilities.wayne.edu/design/projectmgmtfee.php>

#### Facilities Planning & Management

Wayne State University <https://wayne.edu/>

5454 Cass Ave

Detroit, Michigan 48202 | (map)

(313) 577-4310 | [fpm@wayne.edu](mailto:fpm@wayne.edu)

Service Center: (313) 577-4315 | Ground Services: (313) 577-4315 | Design Services: (313) 577-0762