

**ADVERTISEMENT FOR BIDS**  
**SOLICITATION NUMBER: 25-2**

Texas State Railroad Authority will receive sealed bids for Contract Number TSRA 25-2 Traction Motor Combo Replacement until 2:00 pm prevailing time, on Friday August 8, 2025, at which time they will be opened and read aloud at the Texas State Railroad Shop located at 2205 West 6<sup>th</sup> Street, Rusk, TX, 75785. The Bid shall be clearly marked "Solicitation Sealed Bid Enclosed 25-2".

Contract TSRA 25-2 consists of the following items; The purchase of:

- 1) Four traction motor/wheelset 'combo' units, for Diesel 7, with existing wheelsets/traction motors used in exchange, due to worn wheels on existing sets.
- 2) Freight delivery of replacement units
- 3) Freight return of exchange units

Vendor will supply four traction motor/wheelset units per specification, compatible with existing traction motors and wheels, including motor type, gear ratio, and wheel size. Replacement units will be tested and certified prior to shipment, and inspected prior to unloading. Return exchange units will be separately shipped approximately two weeks later. Freight will be priced and included for both trips to the Rusk, TX railroad shop. Project will begin after January 5, 2026.

The Contract will be awarded to the lowest responsible bidder who has based their bid in accordance with the Contract Documents, on a line-item basis. A written agreement will be required to be signed prior to final contract award including delivery schedule.

**Copies** of the contract documents, including technical specifications and final brake test forms are available electronically at [www.stoneconsulting.com\TSRA25-2combo-unit.PDF](http://www.stoneconsulting.com\TSRA25-2combo-unit.PDF)

**Addenda**, if any, will be issued to only those persons whose name and address are on record as having obtained the Contract Documents.

**Mail & Delivery Instructions** - Bids must either be mailed or hand-delivered by the due date. Each bid must be submitted to the Texas State Railroad Authority in a sealed envelope that includes the following on the face of envelope: Solicitation Sealed Bid Enclosed 25-2, Opening Date & Time, and Bidder's Name. Sealed envelopes must be delivered to:

Texas State Railroad  
2205 West 6<sup>th</sup> Street  
Rusk, Texas 75785  
903-683-3086  
Contact: Dan Volker

The Owner reserves the right to reject any or all bids or to waive any informalities in the bidding. Bids may be held by the Owner for a period not to exceed 60 days from the date of opening bids for the purpose of reviewing the bids and investigating the qualifications of bidders, prior to awarding the contract.

TEXAS STATE RAILROAD AUTHORITY  
2025 TRACTION MOTOR COMBO REPLACEMENT  
TEXAS STATE RAILROAD  
CONTRACTOR REGISTRATION FORM

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ONCE YOU HAVE DOWNLOADED ALL THE CONTRACT DOCUMENTS, PRINT AND COMPLETE THIS REGISTRATION FORM AND RETURN TO:

EMAIL – [scdemail@stoneconsulting.com](mailto:scdemail@stoneconsulting.com)

**ADDENDA, IF ANY, WILL BE ISSUED TO ONLY THOSE PERSONS WHO'S NAME AND ADDRESS ARE ON RECORD AS HAVING OBTAINED THE CONTRACT DOCUMENTS.**

<b>COMPANY REGISTRATION (PLEASE PRINT LEGIBLY)</b>	
FULL NAME OF COMPANY	
ADDRESS OF COMPANY	
MAILING ADDRESS OF COMPANY	
COMPANY CONTACT NAME	
PHONE NUMBER	
EMAIL ADDRESS	
DATE	

FOR QUESTIONS REGARDING THIS FORM, PLEASE CONTACT:  
Randall D. Gustafson, Stone Consulting Inc (814) 728-8905

**Texas State Railroad**  
 Bid Solicitation 25-2

**BID SCHEDULE - SUBMIT THIS FORM**

Item No.	Description	Quantity	Unit	Bid Price Price Ea.	Total Price Per Line Item
	<b><i>MATERIAL PROCUREMENT BY LINE ITEMS</i></b>				
1	Running takeout - replacement combo wheel/traction motor	4	EA	\$	
	sets; 40" wheels; 74:18 gearing; GE752E8 or compatible per specification				
	with existing traction motors/wheels returned				\$
2	Delivery freight to Rusk, TX shop	1	LS	\$	
					\$
3	Return freight of existing combo units from Rusk, TX shop	1	LS	\$	
					\$
	<b>TOTAL BID AMOUNT</b>				\$

Total Bids with Freight and Expenses Included:

**Item**

1	Combo units delivered	Dollars
2	Delivery freight	Dollars
3	Return freight	Dollars

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
 Vendor or Contractor Name

\_\_\_\_\_  
 Vendor or Contractor Address

\_\_\_\_\_  
 Telephone

\_\_\_\_\_  
 City, State, Zip Code

\_\_\_\_\_  
 Fax

\_\_\_\_\_  
 Completion Schedule: (Lead time and approximate completion date)

TEXAS STATE RAILROAD AUTHORITY  
CONTRACT NO. TSRA 25-2  
TRACTION MOTOR COMBO SPECS - MATERIAL SPECIFICATIONS

ENGINEER SEAL



The enclosed Special Specifications, Special Provisions, General Notes and Specification Data in this document have been selected by me, or under my responsible supervision as being applicable to this project. Alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act.

The seal appearing on this document  
was authorized by

HARVEY H. STONE, PE

*July 21, 2025*

TEXAS STATE RAILROAD AUTHORITY  
CONTRACT NO. TSRA 25-2  
TRACTION MOTOR COMBO SPECS - MATERIAL SPECIFICATIONS PART

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This specification describes the following for the purchase of traction motor combo specs – material purchase:

1. General Description
2. Existing material for exchange
3. Replacement material specifications
4. Delivery
5. Contractual Issues and Payment

1 – GENERAL DESCRIPTION:

Texas State Railroad had Brookville Locomotive Works rebuild Alco RS-2 #7 in 2003 (Brookville SN 8822) with a replacement Caterpillar prime mover, Kato main generator, and Wabtec electronic controls system. Below the frame, original Alco equipment was retained. The locomotive retains original Alco outline and general external appearance.



Since that rebuild, wheel condition has necessitated entire replacement of the wheelsets due to minimal remaining rim thickness and no material remaining on three of four axles for an additional profiling. The desired approach for the repair is a full combo (assembled traction motor/wheelset) as a running takeout for all four traction motors, net of trade-in.

2. EXISTING MATERIAL FOR EXCHANGE

The four existing traction motor/wheelsets to be removed have been identified as model GE 752A1. Gear ratio has been physically verified to be 74:18. No traction motors are damaged and locomotive is still operational on existing wheels as of 6/30/25. Railroad shop staff will remove existing traction motor combo sets for return shipment after

the delivery of the replacement material. Anticipated time between delivery of new combos and the return of existing combos is estimated to be two weeks.

Megger readings on existing units are not certified, but will be tested. Minimum 5 megs is expected.

Bearing boxes are not included in the exchange.

One of the four combo sets has enough remaining rim thickness for one additional profiling. The other three do not.

Existing Wheel measurements as of 5/20/25:

-TRUCK & WHEEL INSPECTION REPORT												
LOCATION	Rusk, TX			DATE	5-20-25			LOCOMOTIVE NUMBER	7			
POS.	FLANGE HEIGHT	FLANGE THICKNESS	RIM THICKNESS	TREAD WEAR	VERTICAL WEAR	WHEEL DIAMETER	SHIM SIZE	SPRING CONDITION	BRAKE RIGGING	HYATT/GG BRG COND	SIDE BRG. CLEARANCE	SHOCK ABSORBER
L1	0	5	1 5/16	.5				Good	Good	Good	1/4	
L2	0	5	1 7/8	.5				↓	↓	↓		
L3	0	6	1 1/4	.5				↓	↓	↓		
L4	0	6	1 7/8	0				↓	↓	↓	1/4	
L5												
L6												
POS.	FLANGE HEIGHT	FLANGE THICKNESS	RIM THICKNESS	TREAD WEAR	VERTICAL WEAR	WHEEL DIAMETER	SHIM SIZE	SPRING CONDITION	BRAKE RIGGING	HYATT/GG BRG COND	SIDE BRG. CLEARANCE	SHOCK ABSORBER
R1	0	3	1 5/16	.5				Good	Good	Good	3/16	
R2	0	5	1 5/8	0				↓	↓	↓		
R3	1	4	1 1/8	.5				↓	↓	↓		
R4	0	3	1 7/8	.5				↓	↓	↓	1/4	
R5												
R6												
FRA MAX. 1-1/2"		FRA MIN. 7/8"	FRA MIN. 1"	FRA MAX. 3/16"								

### 3. REPLACEMENT MATERIAL SPECIFICATIONS

- A. Replacement traction motors are to be model GE 752E8 or confirmed compatible model to existing GE 752A1 for AAR type B truck mount. Non-752E8 models are subject to review and potential bid rejection if not cleared prior to bid receipt.
- B. Gear ratio must be 74:18 for compatibility
- C. Wheel bearings are type "GG" roller bearing.
- D. Wheel diameter is 40" (Standard Alco RS-2)
- E. Minimum wheel rim to be 2" (rim thickness) i.e. 32/16" with full flange profiles.
- F. Crater grease fittings

Vendor will supply written megger testing data either with written bid submission or prior to shipment to verify DC motor condition.

#### 4. DELIVERY

Schedule for initial delivery from vendor shall not be before Monday, January 5, 2026. Delivery must be made no later than March 31, 2026.

Bid will include delivery freight, as well as subsequent return freight on the existing units with the anticipated 2-week delay for unit exchange on site. Vendor will be responsible for arranging freight shipment for delivery, as well as freight shipment for pickup of return units – as two separate trips.

TSRR railroad will unload the material and reload the returned material on the trucks, and assist with securement as necessary. Dunnage for original delivery will be supplied by vendor. Dunnage may be left at delivery, or re-supplied on pickup for the return material.

##### Megger testing:

Vendor will supply delivery information prior to delivery to ensure TSRR staff are physically present for acceptance.

Combo sets will be megger tested on the delivery truck prior to unloading by TSRR staff, and gear ratios physically verified per specification. TSRR reserved the right to reject and return material at vendor expense if it does not correspond with vendor certification prior to shipment.

#### 4. CONTRACTUAL ISSUES AND PAYMENT

Specific contractual issues that apply to this project:

This project is funded by a State of Texas grant to the Texas State Rail Authority. It is governed by the laws of the State of Texas, and required to be competitively bid under the Texas Municipal Procurement Laws<sup>1</sup>.

- 1) HUB-DBE participation is encouraged, but not required. Registered HUB-DBE contractors, or subcontractors, can be searched on: <https://mycpa.cpa.state.tx.us/tpasscmlsearch/tpasscmlsearch.do>
- 2) No restrictions are applied on steel or other material sourcing.
- 3) Bid bonds – not required.
- 4) Electronic bid submission – not allowed. Sealed physical bid on bid form due by due date. The rural nature of the delivery address should be checked for delivery times by commercial courier services to ensure delivery by the cutoff date for bid submission.

Bid will be submitted, and tentatively awarded, prior to a final written agreement with the Authority clearly stating both the final lump sum price for the material, along with an estimated shipping date. This will be a binding agreement with the contractor and confirmed in a subsequent signed agreement.

Invoices are to be submitted to the Texas State Rail Authority, (not the Texas State Railroad) at:

Texas State Rail Authority  
c/o Finance Department  
504 N. Queen St.  
Palestine, TX 75801

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<sup>1</sup> A full guide outlining various requirements governing this process is at:  
[https://www.tml.org/DocumentCenter/View/3999/procurement\\_easy-FINAL-1112023](https://www.tml.org/DocumentCenter/View/3999/procurement_easy-FINAL-1112023)

And copied to:

Texas State Railroad  
2205 West 6<sup>th</sup> Street  
Rusk, Texas 75785  
903-683-3086  
Attn: Dan Volker

Bid Submission process

Address for submission of Bids, mailing address, and timing is separately stated in the Advertisement for Bids.

PROJECT SCHEDULE

Combo unit exchange to be done on an expedited basis after bid has been reviewed and accepted by TSRA, and a purchase agreement has been signed by both the vendor and TSRA. Freight schedules, delivery of replacement unit, existing unit removal and preparation, and final return shipping are desired to be made after Monday, January 5, 2026 and anticipated completion before March 31, 2026..