Project Name Stacker Reclaimer 2 & 3 Procurement – Electrical Transformer Supply

Project No. 11367 Task No. 03 Addendum No. 2

To: Prospective Bidders Date: 3/27/2025

These items are hereby included in the bid documents by this addendum.

Item	Description
1.	Question: Regarding Section 9.5.13, NGR, Section 9.7. Is this to be mounted on the transformer or a separate device?
	Answer: NGR is not part of the transformer. It is a separate Owner-Provided item.
2.	Question: Specs say, "The unit supplied shall include a completely enclosed HV and LV cable termination compartment that connects directly to the medium voltage switchgear. Refer to the contract drawings for connection requirements." Are these to be cable in and cable out? It almost sounds like close coupled, just want to make sure?
	Do you have the drawings referenced in the specs? It sounds like we need to provide provisions for close coupling but it refers me to the contract drawings.
	Answer: Clarification change made to the Transformer Spec section 9.7 on Page 8 as follows:
	<u>Terminal Compartments/Flange Connections</u> – The transformer shall have no exposed electrical parts and its design shall meet the requirements of 2023 NEC 110.31 in the fact that no additional guarding or fencing shall be required for this equipment for the protection of personnel. The unit supplied shall include a completely enclosed HV and LV cable termination compartment that connects directly to the medium voltage switchgear. The unit supplied shall include HV and LV cable termination connection lugs.
3.	Question: This Spec is for Oil filled units; we would have to teak exception to almost the entire spec. Please confirm that a Dry type, NEMA 3RE enclosure, that would be away from the public would be appropriate before I quote.
	Answer: Dry type transformers are allowed per Addendum no 1.
	Nema 3RE not listed in NEC Table 110.28 Enclosure Selection. Nema 3X and 4X appear to be the only Enclosure Types that meet the transformer Spec. 9.4.9 for heavy exposure to sand, dust and salt laden moisture, and shall be adequately treated or protected against corrosion, moisture, salt, mold, dust, sand and other destructive elements to which it may be exposed during operation.
4.	Question: For these units the ratings for the transformers are mentioned but I'm not quite sure if they only require ONAN cooling stage instead of ONAN/ONAF/ONAF, could you please indicate which cooling stage is required? Also, if more than one cooling stage is required, could you please indicate whether the ratings indicated are the base or top ratings?
	Answer: The Transformer Specification Section 9.3.1 specifies [OA]. Additionally, the Transformer Specification Section 9.4.3 specifies that the transformer shall include provisions for devices, wiring, fans, and auxiliary equipment necessary for automatic temperature controlled forced air cooling to obtain an additional 25% capacity.

Please indicate your receipt of this addendum by adding the addendum number in the appropriate place in your Requisition & Proposal or Specification Book.

Project Manager:

Matthew Thomas 3/27/2025

Matthew Thomas, P.E. Date

Project Engineer