

ATTACHMENT A

Scope of Work



SCOPE OF WORK

1. GENERAL REQUIREMENTS

- A. The Scope of Work for this Invitation for Bids (IFB) includes the purchase and delivery of special track materials, consisting of new rail turnouts and a double switch point derail, in support of the VRE Broad Run Expansion Project (the Project).
- B. The Project includes the addition of four (4) new storage tracks at the VRE Broad Run Maintenance and Storage Facility (MSF), located in Prince William County, Virginia. Additionally, the existing tracks at the Broad Run MSF will be lengthened to expand capacity.
- C. The Contractor shall provide all labor, equipment, materials, tools, facilities, transportation, etc. necessary to fabricate and deliver a total of twelve (12) new rail turnouts and one (1) double switch point derail to the VRE Broad Run MSF.
- D. The general contractor for the Project will be responsible for installing the turnouts during construction. ***Installation will therefore not be included in this Contract.*** Consequently, the Contractor must provide complete, installation-ready rail turnouts.

2. SPECIFIC REQUIREMENTS

- A. The Contractor shall specifically fabricate and deliver a quantity of one (1) new Norfolk Southern #15 Rail Turnout with Alstom 5 Powered Switch Machine or approved equal, one (1) Double Switch Point Derail with Alstom 5 Powered Switch Machine or approved equal, and eleven (11) new Norfolk Southern #8 Rail Turnouts with Racor 22E Hand Throw Switch Machine or approved equal, in accordance with the technical specifications and drawings/plans provided in **Attachment B** and **Attachment C** to this solicitation.
- B. Each turnout shall include all miscellaneous materials necessary for a fully functional turnout to include the following:
 - Frogs
 - Switches
 - Guardrails
 - Appurtenances
 - Closure rails
 - Switch ties and special timbering
 - Fastening systems and hardware
 - Plates, anchors, and clips
 - Insulated joints



- C. The turnouts must comply with the salient characteristics, including the alignment, geometry and orientation requirements identified in the MSF Yard Summary of Turnouts provided on Drawing No. G-006 of **Attachment C**.
- D. The turnouts shall be fabricated in accordance with the latest edition of the Norfolk Southern standards.

3. DELIVERY SCHEDULE

All twelve (12) rail turnouts as well as the double switch point derail shall be delivered by the Contractor to the VRE Broad MSF within **three hundred (300) consecutive calendar days** from the date set forth in the written Notice-To-Proceed (NTP).

4. SHIPPING AND DELIVERY REQUIREMENTS

- A. Shipment of the turnouts and double switch point derail shall be FOB destination, freight prepaid and allowed. The Contractor must protect the turnouts and double switch point derail from damage, corrosion, and deformation during transport.
- B. Any damage incurred in shipping, delivering or unloading the turnouts and double switch point derail is the sole responsibility of the Contractor.
- C. Delivery of the turnouts and double switch point derail must be coordinated in advance by the Contractor with the VRE Project Manager.
- D. The turnouts and double switch point derail shall be delivered to VRE's Broad Run MSF, located at 10637 Piper Lane, Bristow, VA 20136. The specific area for unloading and storage of the turnouts and double switch point derail at the Broad Run MSF is identified on Drawing No. G-003 of **Attachment C**. A VRE representative must be on-site to accept the delivery of the turnouts and double switch point derail.
- E. The Contractor shall be responsible for unloading the turnouts and double switch point derail at the VRE Broad Run MSF and must provide unloading plans and handling procedures for review and acceptance by VRE prior to shipping the turnouts and double switch point derail.

