

Sterling IX – Building 1A

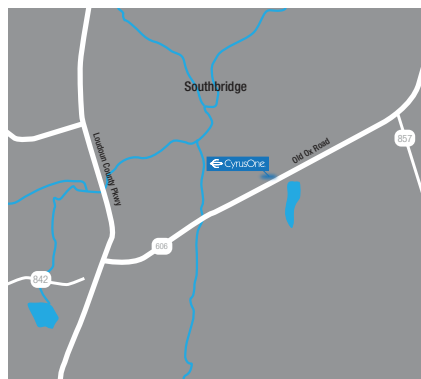
CyrusOne Data Center

43290 Old Ox Road

Sterling, VA 20166

Overview

- Total Square Feet – 700,000
- Total Square Feet of Raised White Floor – 400,000
- Square Footage Breakdown
 - Shell – 700,000
 - CRAH and Elec. Eq. Galleries – 14,760 x 10 Galleries = 150,000 sf
 - Raised Floor – 400,000
 - Office – 50,000 sf
 - Support – 30,000 sf
 - Common Areas Hallways – 17,625 x 3 = 53,000 sf



Technical Specifications

Power

- Utility capacity – 135 MW total
- Utility voltage – 34.5 KV
- # of Utility Feeders – 5 primary (5 redundant)
- # of transformers on site – 80
- UPS configuration and capacity – 4:3 distributed redundant, 1500 kw each
- Generator power – 2250 kw x 80 each = 180 MW

Cooling

- York Roof Mounted Air Cooled Chillers
- 530 tons x 70 each = 37,100 total tons of DH cooling

Security

- Security Fencing, Entrance Gates
- Full Time guards on Site

Fire Detection and Suppression

- Fire detection – VESDA for DH.
- Fire suppression – Pre-Action, NFPA 13 Compliant for DH. Wet system for Offices.

Building

- Construction type – II-B
- Building type – Data Center (Precast Structure/Façade)
- Floor load capacity
 - 1st floor DH – 250 psf dead load, 2000 lbs concentrated load
 - 2nd Floor DH – 250 psf dead load, 100 psf hanging load below floor