

# Regional Network Center

## Southfield, MI Southfield RNC Renovation



### Project Summary

XEC completed work on this project in June 2011. The project scope included a second electrical service with (2) step down transformers, (2) new 1500 kW gensets with enclosures, and new ATS and MTS with tap box. We constructed a new masonry generator enclosure to house the new gensets. Multiple interior masonry walls were moved to allow for the removal of the existing 1500 KW genset and 10,000 gallon fuel tank from the interior of the facility as we completed the cutover to the new gensets. The new gensets provide emergency backup to the facility, which allowed us to complete the remaining portion of the work to the new DC Power Room. XEC transported the existing genset to the client's Lahser facility in Southfield, MI and installed it inside the building through an existing intake louver. The conductors for this generator were terminated and startup and commissioning has been performed.

Other facility renovations on the Southfield project included installing new concrete floors for interior rooms and installing structural steel framing systems on the interior for additional auxiliary framing/racking in the Electrical Room, Switch Rooms 1, 2, and 3, Rectifier Room, and DC Power Rooms 1 and 2. The mechanical scope involves installation of a new AHU and OAU to replace the existing units and installing (2) new Leibert CRAC units with associated drycoolers and ductwork. Security and fire protection systems were upgraded as well.



09.14.2010 15:07

Generator Pad Excavation and Security Fence



09.22.2010 14:24

New Generator Pad Footings & Forms



09.30.2010 13:25

Underground Electrical Conduit Installation



09.17.2010 11:16

Maintaining Lot Access during Construction



10.02.2010

New Generator Screen Wall Construction



10.02.2010

Dust Partitions in DC Power Room



Installation of Auxiliary Framing System in Multiple Critical Rooms



New AHU and OAU and Associated Ductwork



New 1500kW Generators Set



Genset Feeder Conduits



Setting Enclosure over Generator



Conduits for Switchgear in RM 162