

NYSTA Angola Service Area

Installer: **Henderson-Johnson Co., Inc.**

Location: **Angola, NY**

Type of Job: **Roof**

Square Footage of Job: **6,500**

Equipment Used: **Graco H20/35**

Number of people needed for the Job: **10**

Number of days required by the Job: **15 days**

Special Requirements: **Overspray/fume concerns, safety of pedestrian traffic, congested work area**

Foam and coatings used: **BASF 2.7# density foam, S-5000 silicone coating**

Project Description: The Angola Service Area is a unique stop owned by the New York State Thruway Authority (NYSTA). This rest stop is located in the divider between East and West bound lanes and serves travelers in both directions. Angola service area is home to six restaurants and six shopping boutiques with thousands of visitors daily. This roofing project posed many challenges for the Henderson-Johnson team. Some of the challenges faced were the complete removal and replacement of a roof on a building that was open for business 24 hrs a day and the work needed to be completed in New York State under late fall weather conditions. The roof was also congested with all types of mechanical units, low duct work and gas lines servicing the shops below. Safety was also a major concern, with pedestrians below the work area all day and the overspray concern of thousands of cars travelling by in both directions within 100 feet of each side of the building. To address the fume concerns, the foam was protected each night with acrylic primer; all silicone coating was applied after completion of all foaming, with air monitoring to ensure that no solvent-based fumes entered the building. The team completed the project in 15 days with no customer complaints and a satisfied owner. This is the seventh service area that this team has successfully completed for the NYSTA.

Benefits of using Foam: The use of Sprayed Polyurethane Foam (SPF) was especially beneficial on this project due the large numbers of penetrations on the roof and tight work area. SPF increased the r-value from the original construction. SPF also made very difficult flashing/transition details possible.



2011 SPFA Industry Excellence Awards

Category: Roof Foam < 40K sq.ft.

