

Medusa Street Reconstruction

Edward J. Hren, PE – Village Engineer and Project Manager
Bret Keller, EI – Design Engineer

Project Description & Roles: The Medusa Street Reconstruction project consisted of widening and overlaying an existing concrete pavement with a thin layer of asphalt and then constructing a new 7 inch thick layer of concrete pavement, a process known as “whitertopping”. Prior to placing the asphalt “bond-breaker” on the existing concrete, the pavement was proof rolled and all unsuitable concrete slabs and joints were replaced. New pavement underdrain was installed to provide proper subgrade drainage in order to protect the Village’s investment in the project.



Medusa Street is an active industrial/distribution district and there was great concern on the part of the area businesses with respect to potential traffic delays due to construction. Chagrin Valley Engineering (CVE) prepared plans,

Client:
Village of Oakwood

Client Contact:
*Major Gary V. Gottschalk
28400 Broadway Avenue
Oakwood, Ohio 44146
440.232.9988*

Location:
Oakwood, Ohio

Project Budget:
\$420,000.00

Final Project Cost:
\$350,000.00

Start Date:
May, 2010

Completion Date:
July, 2010

specifications and contract documents ensuring that all drainage work and concrete base repairs were performed with minimal disruption to commercial traffic. The “whitertopping” process was modified, with the consent of the local businesses, to install the full pavement width over a holiday weekend using a medium set concrete. The concrete roadway was reopened on Tuesday morning thus minimizing any inconvenience to the surrounding businesses.



The Medusa Street Reconstruction was a petitioned assessment project. CVE coordinated the assessment process with the Village of Oakwood and the surrounding businesses in order to take advantage of outside funding sources. The project was developed and scheduled in a manner that allowed CVE to prepare a successful grant application and secure partial funding for the project from the Ohio Public Works Commission.

