

WOOD STREET INTERCEPTOR REHABILITATION

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The Wood Street Interceptor Rehabilitation Phase I project is a good example of how trenchless technology can minimize cost, time, environmental impact, and the inconvenience of new construction alternatives. The engineers of East Bay Municipal Utility District received the 2001 engineering achievement award from the California Water Environment Association for this project.

The project consisted of the rehabilitation of 2,300 feet of a 105-inch diameter pipe with Linabond's Structural Polymer Co-Lining System. In some critical areas, there was over four inches of corrosion at the crown, threatening an eventual collapse of the pipe.

The rehabilitation system uses an expanded polymer and PVC liner that is adhered to the host structure to form a composite. The new composite structure is stronger than the original pipe. This corrosion-proof system not only structurally rehabilitates, but also protects the host pipe. By rehabilitating, the original investment is not lost.

◆ The actual cost of the trenchless rehabilitation (less than \$3 million) was a fraction of the cost if the pipe were replaced. By using the Structural Polymer Co-Lining System, the contractor's crew completed the project by working at night without bypassing. There was little impact to the community. ◆ Although the original specifications allowed 520 days for completion, the project was finished in less than four months. This included a total of 29 nights of lining and 10 nights of touchups to complete the installation of the system.

If you have any questions, please contact [Dr. C.Vipulanandan](#)
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