



Department of Public Works

Building Tomorrow Today

PROJECT: Padres Drive Sanitary Sewer Rehabilitation

General Description: This project was developed to address a problematic sewer system that runs along Padres Drive, Hervey Lane, and Minnesota Avenue as shown on the attached map. The sewer mains have experienced multiple blockages and overflows in recent years. Three segments along this sewer main are currently on the DOT's High Priority Cleaning List.

Remote video inspection of these sewers revealed numerous sags, broken pipes, accumulating debris, and offsets at pipe joints. These defects were partially attributed to the highly expansive clay soil generally found in this area in combination with its proximity to the Guadalupe River and railroad tracks. Pipe lines in this area were built with a flat slope which results in slow flow and stagnation of sewage in the system.

This project will replace 2,840 feet of clay pipe with high density polyethylene (HDPE) pipe which is more flexible and can accommodate the soil movement in this area. Where feasible, the sewer mains will be upsized to 8-inch and the new pipe will be installed at a steeper slope to ensure optimum design flow and velocity. Work also includes the installation of 17 new manholes and rehabilitation of 2 existing manholes.

In addition, this project will include the construction of a new pump station, electrical and control panels, and a force main and valve system at the intersection of Bird and Minnesota Avenues to address the flat slope conditions.

Future sanitary sewer improvement projects are currently being developed to address similar problems on Bird Avenue between Minnesota and Willow Avenues, and Minnesota Avenue between Bird and Lincoln Avenues.

Total Project Cost: \$2,600,000

Schedule: Estimated Council Award: May 2011
Estimated Construction Start: June 2011
Estimated Completion: June 2012



Intersection of Bird and Minnesota



Broken and Offset at a Joint

Location Map

