

PROJECT DESCRIPTION

In a continuing effort to revitalize and uplift low income neighborhoods within Grandview, the City is proposing to replace and improve aged, deteriorated, and inadequate street and utility infrastructure in one of the original residential sections of the community. The proposed “East Fourth Street Neighborhood Improvements” project will improve the existing substandard streets and failing utility facilities within East Fourth Street, from Ash Street to Elm Street, as shown on Figure 1. The essential components of the project are described below.

Sanitary Sewer Improvements

The project’s sanitary sewer need is to replace a deteriorated section of sewer main and affected service connections in order to eliminate the highly unsafe and property damaging sewage back-up events experienced in the neighborhood in past years. The proposed improvements are identified in the City’s 2009 General Sewer Plan. The essential components of the sanitary sewer improvements include:

- Replacement of approximately 400 linear feet of old 8-inch concrete sewer main with new 8-inch PVC sewer main within East Fourth Street between Douglas Street and Elm Street including the replacement of one (1) manhole; and
- Replacement of six (6) existing side sewer connections with new side services.

Potable Water Improvements

The project’s potable water need is to replace multiple aging water service connections in the neighborhood along the East Fourth Street and the existing old asbestos cement water main connection to Birch Street. Although the age of these existing water

components has been known, leaks within the old service connections have manifested themselves in recent years as has the increasing frequency of water service failures/problems. As a consequence, the proposed improvements are not identified in the City's 2008 Water System Plan (WSP) as they were discovered in the years after the WSP was completed. Essential components of the potable water improvements include:

- Replacement of approximately 40 linear feet of 40+ year-old 8-inch asbestos cement water main in the north leg of the Birch Street intersection with new 8-inch Ductile Iron or PVC water main including new valves, and fittings; and
- Replacement of 31 existing 40+ year old galvanized iron pipe water service connections including new service saddles, corp stops, and service pipe along East Fourth Street.

Sidewalk Improvements

The project's sidewalk need is to provide safe and accessible pedestrian routes by replacing existing cracked and broken sidewalks, constructing new sidewalks where none exist, and installing new handicapped ramps at all appropriate locations within the neighborhood. Essential components of the sidewalk improvements include:

- Constructing new six-foot wide sidewalk on the north side of East Fourth Street (Ash Street to Elm Street) where none currently exists;
- Replacing the existing uneven, cracked and broken concrete sidewalk on the south side of East Fourth Street (Ash Street to Elm Street) with a new six-foot wide sidewalk; and
- Constructing new handicapped ramps at all appropriate locations resulting in sidewalks throughout the entire project area being ADA compliant.

Street Improvements

The project's street need is to improve the narrow and deteriorating asphalt roadways within the neighborhood including adjacent, poor condition parking areas in order to create safer conditions for pedestrians, bicyclists, and vehicles. Essential components of the street improvements include:

- Widening and reconstructing the existing narrow 20-foot wide roadway in the project area to new 40-foot wide streets with curb and gutters. The new street width will allow space for on-street parallel parking and the barrier curb will eliminate the practice of vehicles parking over the existing sidewalks; and
- Installing new storm drainage facilities that will, in combination with the new curb and gutters, eliminate storm water ponding along the roadway edge and flooding of adjacent existing sidewalks and properties.

Street Lighting

The project's street lighting need is to improve and increase lighting levels within the neighborhood. Essential components of the street lighting improvements include:

- New street lights will be installed throughout the project area, spaced to meet current design standards. The improved lighting, in conjunction with the project's other components, will serve to reduce and/or eliminate pedestrian safety problems, pedestrian/vehicle conflict problems, neighborhood crime, and emergency vehicle response issues.