

## **H. Existing Streets, Sidewalks, Water and Sewerage Systems, Drainage Systems and Other Utilities**

### Existing Streets

A Traffic Analysis of Existing Conditions was prepared by URS for the Mansfield Downtown Partnership as part of the planning process that preceded the preparation of the MDP Plan. The traffic analysis identified existing conditions and evaluated the ability of roadways and intersections to accommodate current traffic volumes. The results of the existing conditions analysis are summarized in the URS report which is on file at the Mansfield Downtown Partnership.

The main thoroughfare serving the Project Area is Storrs Road, or State Route 195. Storrs Road is a two lane State maintained facility, with auxiliary turn lanes added at key signalized intersections. It is oriented north-south through the UConn campus and the center of Mansfield. The pavement varies in width from 37-46 feet. The daily traffic volume is approximately 15,000 vehicles, with a peak hour flow of about 1,300, which occurs in the afternoon.

In the central part of the UConn campus (between North Eagleville Road and South Eagleville Road), traffic signals are in operation at the following intersections:

1. South Eagleville Road (Route 275)/Post Office Road
2. Dog Lane/Bolton Road (offset)
3. Mansfield Road
4. Gurleyville Road
5. North Eagleville Road (SSR 430)

In addition, there is a pedestrian crossing signal near Whitney Hall.

Traffic counts were conducted in April of 2003, and capacity analyses prepared on behalf of the Mansfield Downtown Partnership. That work, prepared by others, indicated that all locations operated at acceptable levels of service during the morning peak hour. During the afternoon peak hour, several individual approaches were operating at level of service "D", which is generally considered to be acceptable, but nearing concern. Two approaches at the North Eagleville Road intersection were operating unacceptably, at an "E" or "F" level.

### Sidewalks

Curb and sidewalk conditions in the project area vary from poor to good condition, although no sidewalks are present on the east site of Storrs Road, south of University Plaza.

## Utilities

The Project Area is fully served by public utilities, including natural gas, telephone and electricity. University owned and operated utilities include water, sanitary sewer, communications/data, and electricity.

The existing stormwater in the Project Area ultimately drains to the Fenton River Watershed, a drinking water supply watershed. The Project Area encompasses three separate subwatersheds, based on site topography and the existing stormwater collection system, which drains the developed areas along Route 195 and Dog Lane. There are no stormwater quality/renovation measures presently in place in any of the three subwatersheds. See Figure 5 (Sheet EU-1 Existing Utility Plan – Storm Drainage) for location of the stormwater collection system serving the Project Area.

The University of Connecticut collects wastewater from the UConn properties and privately owned businesses located in the Project Area. The wastewater collection system extends as far as the Greek Church located on Dog Lane. Collected wastewater is conveyed northwest along Storrs Road and west along North Eagleville Road, ultimately into a 30” gravity sewer that connects to the University Water Pollution Control Facility. See Figure 6 (Sheet EU-2 Existing Utility Plan - Sanitary Service) for location and sizes of pipes serving the Project Area.

The University of Connecticut water supply system serves existing UConn facilities and private businesses in the vicinity of the Storrs Center site. This system will provide potable water to all proposed facilities in the proposed development. See Figure 7 (Sheet EU-3 Existing Utility Plan - Water Service) for location and sizes of pipes serving the Project Area.

Gas service is provided to the Project Area by Connecticut Natural Gas (CNG), through an 8” gas main in Storrs Road. See Figure 8 (Sheet EU-4 Existing Utility Plan - Gas Service) for location of this main.

Electricity is currently provided by Connecticut Light & Power (CL&P). Electric service (13.8 kilovolt) is distributed by a combination of overhead and underground cables.

Southern New England Telephone provides telephone and internet service to the Project Area. Charter Communications provides private cable service.

There are no identified utility rights-of-way over the Project Area.