

City of Wooster Public Infrastructure Sustainability

Engineering & Utilities Divisions

Infrastructure Needs & Projects

Existing Program Qualifications

New Program Eligibility

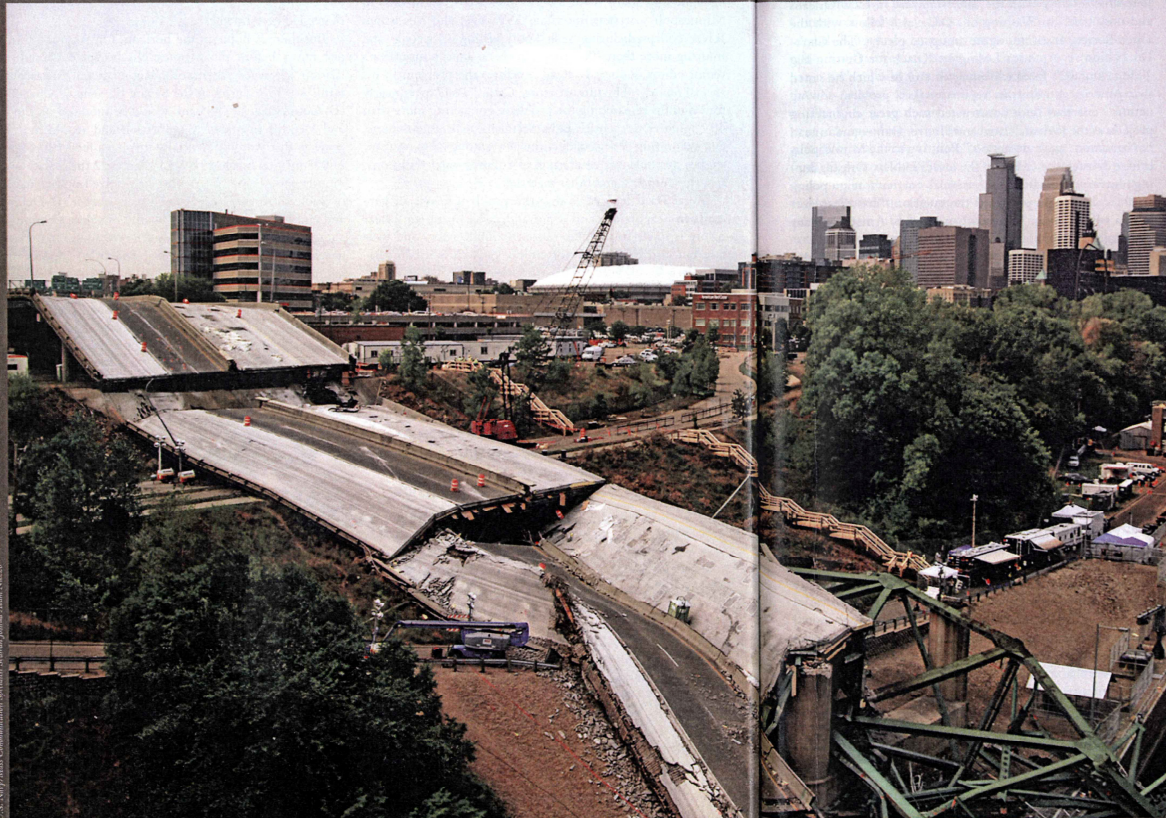
New Funding Strategies

Infrastructure Needs: National Infrastructure Status

- ▶ Public Infrastructure gets a grade of “D”
- ▶ Poor Condition, Performance, Capacity
- ▶ Poor Funding
- ▶ Profound Need



The Infrastructure Crisis



SPECIAL REPORT

The collapse last summer of the Minneapolis bridge that carried Interstate 35W over the Mississippi trained a spotlight on a long-standing national problem: how years of neglect, underfunding, and a lack of leadership and vision allowed America's infrastructure to deteriorate. This special report examines the state of the nation's infrastructure in 15 major categories—as outlined in ASCE's three "report cards"—as well as the various causes and costs associated with the problem, and explores some possible solutions. **By Robert L. Reid**

Thirteen commuters were killed and more than 100 were injured on August 1, 2007, when the eight-lane bridge in Minneapolis carrying Interstate 35W over the Mississippi River collapsed. The 40-year-old steel deck truss crossing had been considered structurally deficient since 1990, but engineers with the Minnesota Department of Transportation had not believed the bridge to be in danger of imminent failure; indeed, it had been inspected by Minnesota officials just three months before the collapse. The tragedy led to congressional hearings and helped to focus new attention nationwide on the state of America's crumbling infrastructure.

- ▶ Limited Comprehension of Real Needs
- ▶ Critically Underfunded
- ▶ Spending not viewed as an investment in the future, quality of life, health or economic well-being.

Infrastructure Needs: City Infrastructure

- Including construction and development in 2007, the City now has over 400 miles of piping in its utility system and over 130 miles of roadway in its transportation system.
- Over 75% of the utility infrastructure is greater than 20 years old. Over 77% of the sanitary sewer and 70% of the water systems are over 30 years old.



Infrastructure Needs: Infrastructure Progress & Funding



- ▶ The City tackled 18 infrastructure projects in 2006 and 13 projects in 2007. The total dollar value of construction projects for 2006 was over \$10,000,000, and over \$7,000,000 in 2007.
- ▶ The City aggressively seeks outside funding sources in an effort to offset the high costs of infrastructure improvements. Over the last 5 years, more than \$5,000,000 has been obtained in grant money and over \$4,000,000 in zero or low interest loan money from various sources such as ODOT, EPA, OPWC ODOD and others. These funds have been applied to water system projects such as the Water Towers, Roadway projects and several

Existing Program Qualifications:

Infrastructure Planning

- ▶ 98 projects planned for construction 2015
- ▶ \$40,000,000 in Roadway
- ▶ \$15,000,000 in Water
- ▶ \$13,000,000 in Sewer
- ▶ \$ 6,000,000 in Storm
- ▶ All infrastructure projects currently qualify for stimulus plan funding. Funding will depend on readiness to proceed.



Existing Program Qualifications:

- ▶ Infrastructure provides services and access to business and industry, facilitating economic growth
- ▶ Construction projects create jobs
- ▶ Quality of life for all is improved by safe water and sanitation infrastructure
- ▶ Safety for all is improved by providing up to date transportation facilities
- ▶ Health and Welfare are improved by providing sidewalks and multi-modal facilities, as well as providing “green” alternatives to fossil fuel powered vehicles.

New Program Eligibility: Project Initiatives

- ▶ Safe Routes to Schools Program established to promote safety projects that encourage or enable children of elementary age, including those with disabilities, to walk or ride bikes to school.
 - Includes health and wellness education in the schools
 - Promotes community interaction
 - Subsidizes existing infrastructure programs and projects
- ▶ Concurrency Programs for Infrastructure Improvements
 - Partnering with Business and Industry for needed improvements
 - Partnering to apply for State development funds
 - ▶ ODOD
 - ▶ Federal Appropriations
- ▶ Balance grants and low interest loans with conservative utility rate increases and income tax increases

New Funding Strategies

- ▶ Strategic Planning of Infrastructure Improvements:
 - Prioritize and eliminate non-essential elements
 - Include Industry & Business Growth Needs
 - Include State Economic Development goals
- ▶ Establish partnerships with Congressional representatives
 - ▶ Federal Appropriations
- ▶ Establish Partnerships with Local Institutions for environmental sustainability
 - Saves Maintenance costs by providing alternatives to traditional construction
 - Shares maintenance responsibility
 - Lowers construction costs
- ▶ Aggressive Service Analysis (In-house labor vs. Outsourcing)
 - Engineering
 - Construction

City of Wooster Public Infrastructure Sustainability Program

- ▶ Infrastructure Needs,
Financing and Strategies
- ▶ Infrastructure relationship to
Economic Development
- ▶ Questions?

