

# CONCRETE PIPE – Project Profile #4

## Co. Rd. 19 Reconstruction

Freeborn County, MN

### Project

County Road 19 Reconstruction  
Freeborn County, MN

### County Engineer

Sue Miller, P.E.  
Albert Lea, MN

### Reconstruction date

2007

### Original Concrete Pipe Installation Dates

1956, 1967



### Project Description

- Pavement surface recycling, overlay
- **Assess condition of existing 40-50 year old reinforced concrete pipe culverts**
- Existing concrete pipe size range: 36” – 72”

### Project background

When it came time to resurface County Road 19 in 2007, Freeborn County engineering and technical staff thoroughly inspected the project’s originally-installed concrete pipe culverts to determine their condition, and ultimately, their suitability for continued service.

Sue Miller, P.E., Freeborn County Engineer explains, “We inspected several hundred feet of existing concrete centerline culvert pipe as part of the Highway 19 re-surfacing project, but found no significant deterioration.”

Portions of Highway 19 and its original concrete pipe culverts are now over 50 years old and performing admirably, a testament to concrete pipe’s inherent durability and long life.

As Engineering Technician Dan Kenison puts it, “We easily save and re-use 80-90% of existing concrete pipe culverts whenever we do a county road reconstruction.”

