

## Norridgewock Bridge

Norridgewock, ME

### Project Description

The historic, covered arch bridge in Norridgewock, Maine was replaced by a 300' cast-in-place concrete tied arch bridge that maintained the aesthetic features of the original structure.

### Owner

Maine Department of Transportation

### Contractor

Reed & Reed, Inc.

### Designer

SEA Consultants

### Our Role

McNary Bergeron & Associates provided construction engineering services including:

- Construction analysis for erection of the new arch structure.
- Erection plans & procedures
- Development & design of temporary arch shoring
- Demolition plan for existing arches, including demo shoring system

### Total Contract Value

\$21 million

### Timeline

2008 - 2011

### Construction Method and Specifications

- Concrete tied arch w/ steel cable hangers
- Arch & tie girders are cast-in-place on falsework
- 300 span, approximately 60' high
- 42' roadway width
- 135' approach spans - prestressed concrete girders

