Bridge Rehabilitation Program

State Project No. 158-212

Bridge No. 01349

Route 136 over Saugatuck River

Town of Westport

Connecticut Department of Transportation
Project Location

Connecticut Department of Transportation
Elevation – looking North

Connecticut Department of Transportation
Elevation – looking South

Connecticut Department of Transportation
Existing Bridge Overview

- **Structure Type**
  - Continuous multi-beam movable swing bridge
    - 19.5-foot curb-to-curb deck width (substandard)
    - 287-foot structure length, 21 foot approach roadway width

- **Condition Rating (November 2014 Inspection Report)**
  - Superstructure Rating = 6
  - Substructure Rating = 5
  - Extensive collision damage to truss members along roadway
  - Several truss members have bent flanges, bent webs, and cracks
  - Girders exhibit rust and peeling paint
  - Abutments have 50 percent of joint mortar missing with voids up to 4 feet deep between stones
  - Piers exhibit areas of hairline cracking and spalling
  - Pier 2 shows heavy scaling and spalling beneath the fiberglass jackets encasing the H-piles.

- 2013 ADT for Bridge No. 01349 = 13,500 vehicles
- 2010-2012 Actual Accident Rate = 6.79
- Ratio of Accident Rate to Critical Accident Rate = 2.87
Roadway Approaches

Looking West

Looking East

Connecticut Department of Transportation
Underside of Bridge
Connecticut Department of Transportation
Impact Damage

Connecticut Department of Transportation
Impact Damage

Connecticut Department of Transportation
Impact Damage