I-95 OVER OIL MILL RD
WATERFORD
Project 152-157

Project Administration: Andrew Cardinali/ Dobie Kania/ CME Associates, Inc as the CLE

Prime Designer: AI Engineers

Project Engineer Construction: John Deliberto

Prime Contractor: The Brunalli Construction Company

Bridge Slide Performed By: Barnhart
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- Accelerated Bridge Construction (ABC)
- ADT 28,000 each direction
- 2 Structures: NEXT Beams with 8 ½” concrete slab, 42’ span, Precast beam seats and approach slabs
- Hydraulic Rollers used to slide structures (proposed by contractor)
- 4 Slides total: ½ of each bridge per slide
- 34 hour lane closures with LDs
- All 4 slides finished on time
- Minimal traffic delays
- Each bridge section weighs 350,000 lbs
Hydraulic Rollers

- Two powered and two passive rollers.
- The passive rollers each weigh 300 lbs and the powered rollers each weigh 425 lbs.
- Manual griphoists were attached to the existing structure’s steel girder as a backup in case the hydraulic pumps failed.
Hydraulic Rollers
Time Lapse Video: Both Slides
Lessons Learned

• Check as-built dimensions well in advance

• Elastomeric bearings and surface tolerances

• Bridge sections fit-up