

**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

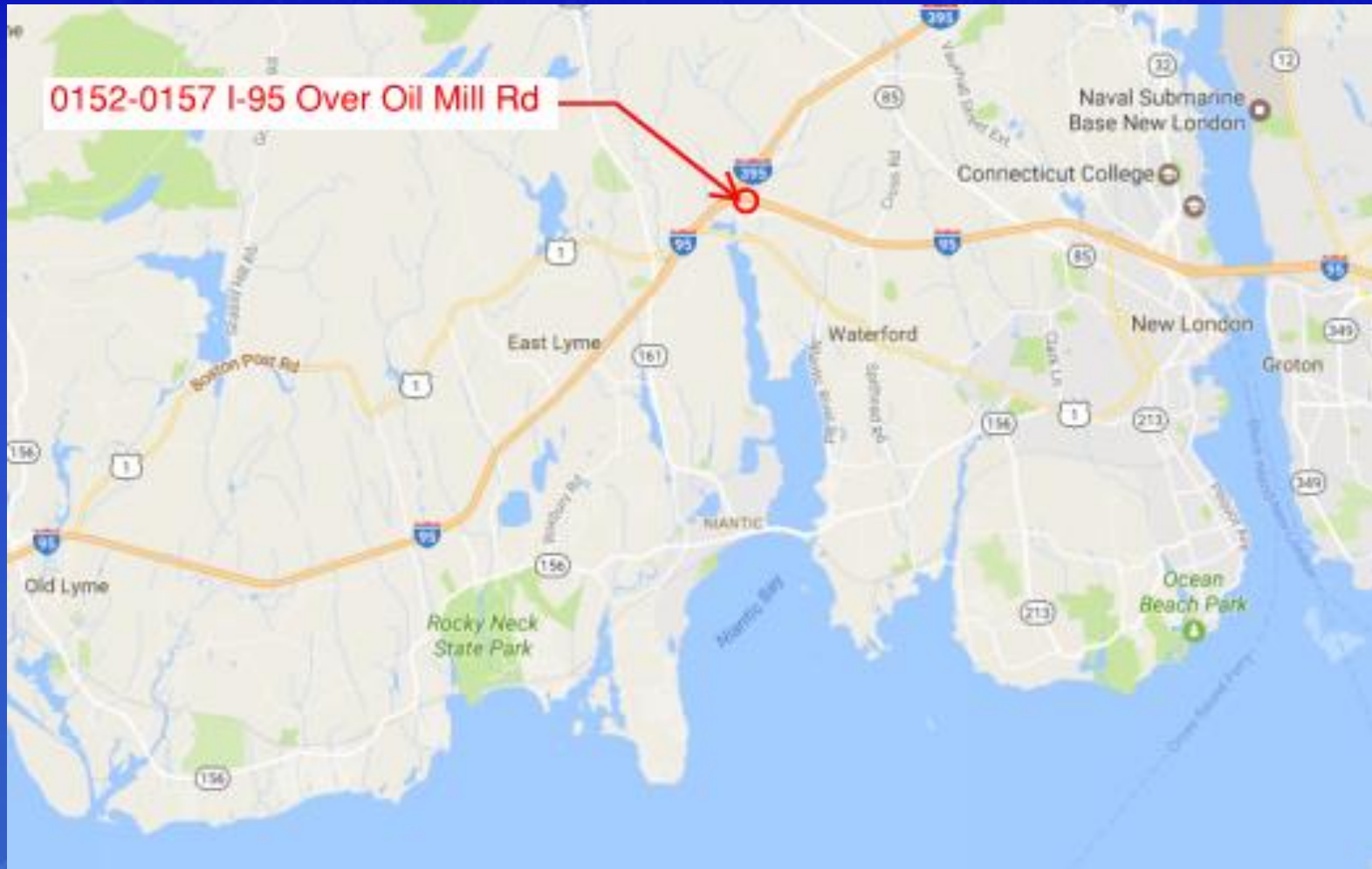
**Project Engineer Construction:** John Deliberto

**Prime Contractor:** The Brunalli Construction Company

**Bridge Slide Performed By:** Barnhart



# I-95 OVER OIL MILL RD WATERFORD



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

- **Accelerated Bridge Construction (ABC)**
- **ADT 28,000 each direction**
- **2 Structures: NEXT Beams with 8 1/2" concrete slab, 42' span, Precast beam seats and approach slabs**
- **Hydraulic Rollers used to slide structures (proposed by contractor)**
- **4 Slides total: 1/2 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**





Connecticut Department of Transportation

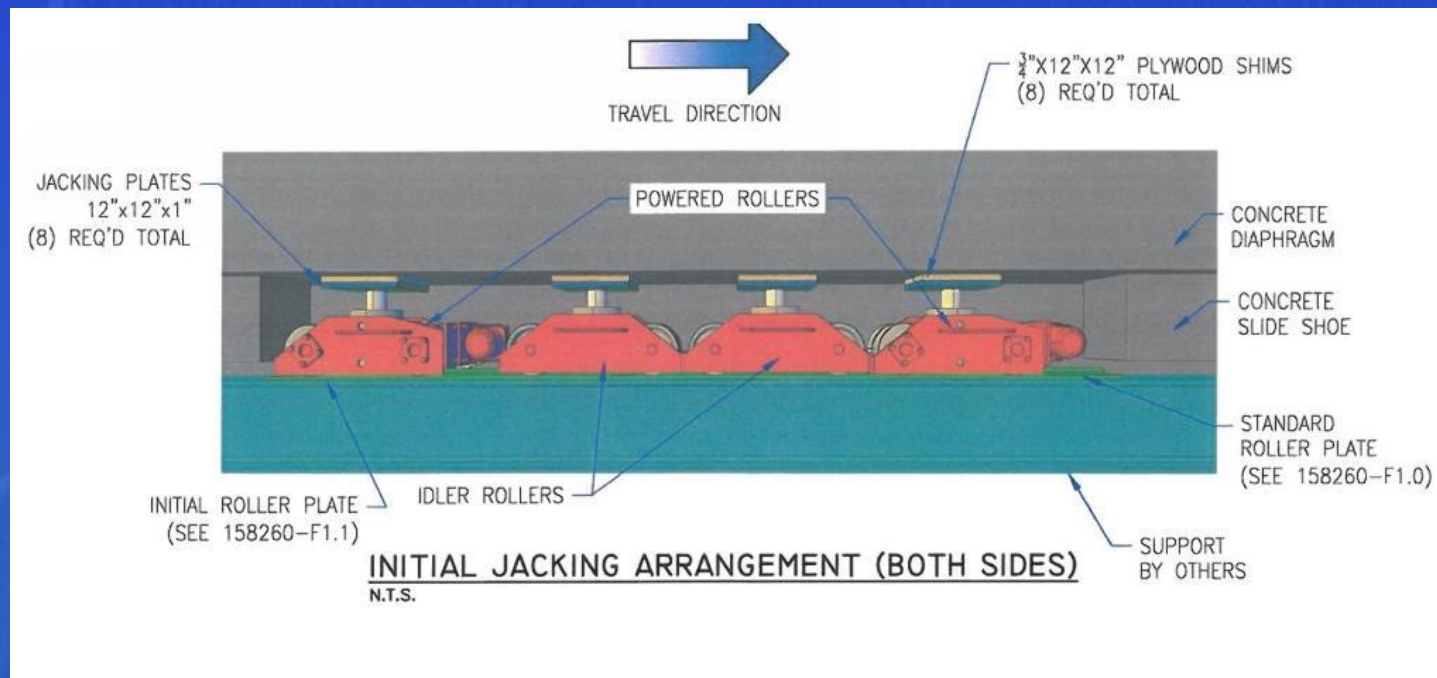


# Temporary Supports



# 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**

