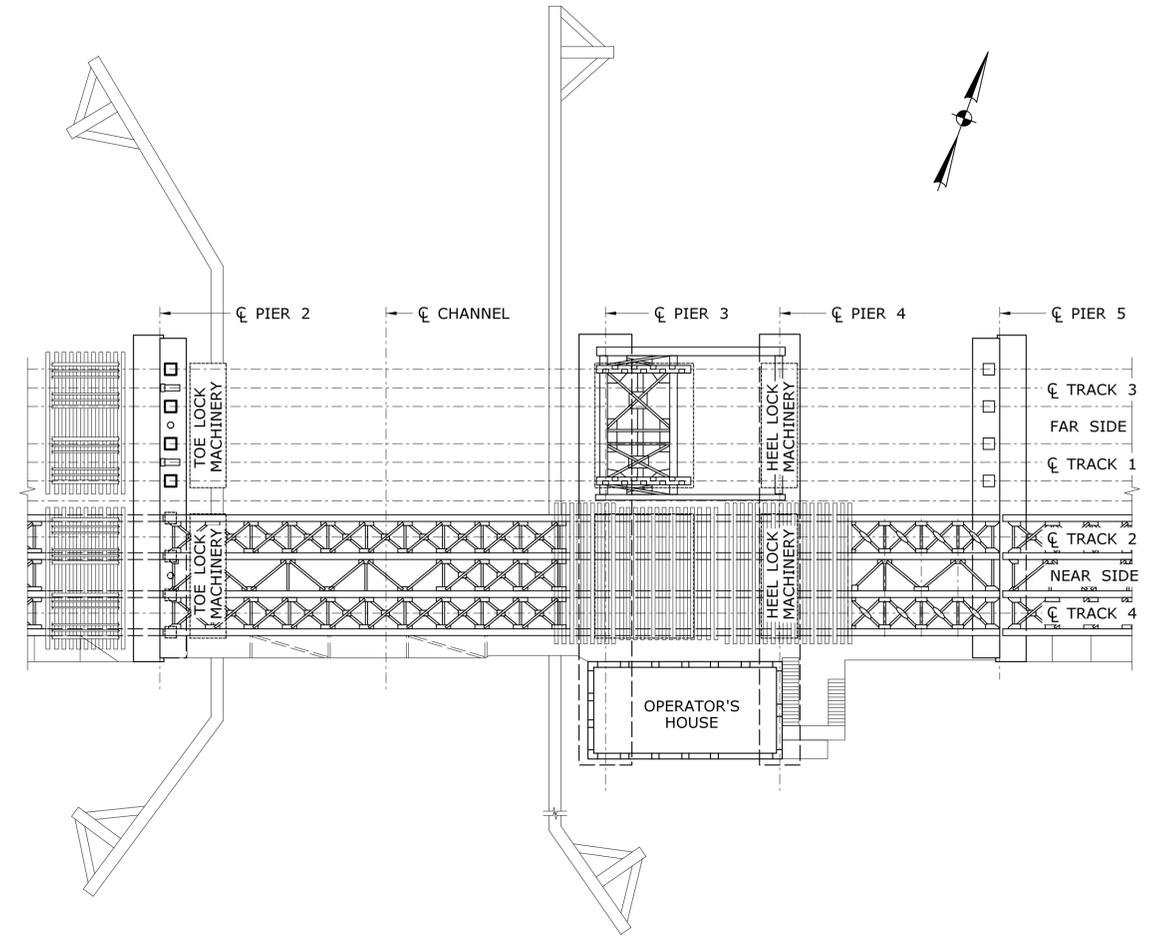
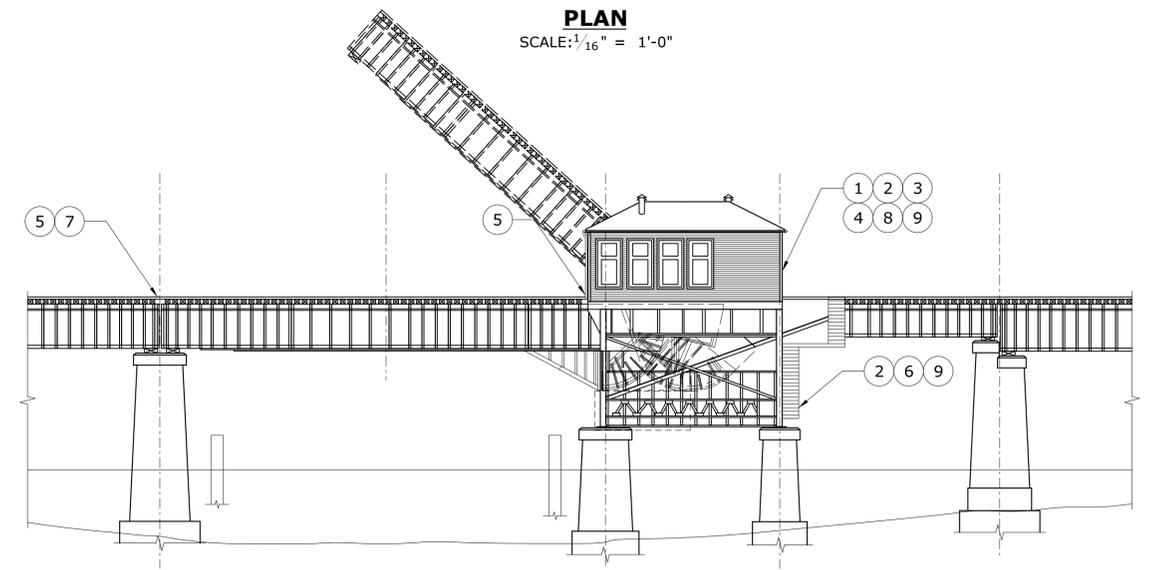


PROPOSED ELECTRICAL REHABILITATION

- 1 POWER DISTRIBUTION:
 - CONVERT EXISTING SPAN DRIVE TO ELECTRIC DRIVE.
 - UPDATE ELECTRICAL SERVICE TO ACCOMODATE ELECTRIC MOTORS.
 - REPLACE THE EXISTING MOTOR CONTROL CENTER (MCC)
- 2 MANUAL TRANSFER SWITCH:
 - FURNISH AND INSTALL A MANUAL TRANSFER SWITCH AND RECEPTACLE FOR A PORTABLE GENERATOR. SWITCH LOCATION TO BE COORDINATED WITH MNR.
- 3 CONTROL DESK:
 - FURNISH AND INSTALL A NEW CONTROL DESK.
 - FURNISH AND INSTALL NEW PLC BASED CONTROL SYSTEM.
- 4 LOCK MOTORS:
 - FURNISH AND INSTALL NEW MOTORS, BRAKES, RELATED EQUIPMENT AND FIELD WIRING.
 - FURNISH AND INSTALL NEW MOTORS, BRAKES, RELATED EQUIPMENT AND FIELD WIRING.
- 5 BRAKES:
 - FURNISH AND INSTALL NEW SPRING SET, ELECTRO-HYDRAULICALLY RELEASED BRAKES. PROVIDE NEW POWER AND CONTROL WIRING ALONG WITH A CONTROL PANEL IN THE OPERATOR'S HOUSE.
- 6 LIMIT SWITCHES:
 - FURNISH AND INSTALL NEW FULLY SEATED LIMIT SWITCHES.
- 7 GROUNDING:
 - FURNISH AND INSTALL NEW GROUNDING AND BONDING SYSTEM FOR THE BRIDGE.
- 8 CONDUITS AND JUNCTION BOXES:
 - FURNISH AND INSTALL NEW TERMINAL BOXES BETWEEN THE TRACK GIRDERS OF THE NORTH AND SOUTH SPANS WITH NEMA 6P (SUBMERSIBLE DUTY) RATED TERMINAL BOXES.
 - REPLACE ALL EXTERIOR CONDUITS WITH PVC COATED GALVANIZED STEEL CONDUITS.
 - REPLACE ALL EXTERIOR JUNCTION BOXES WITH NEMA 3R/4X RATED ENCLOSURES.
 - FURNISH AND INSTALL NEW CONDUIT AND WIRING AS INDICATED IN THE DRAWINGS.
- 9 WALKWAY:
 - REMOVE MANUAL LEVER CONTROLS FOR DROP DOWN WALKWAY, FURNISH AND INSTALL NEW MOTORIZED ARTICULATION OF THE WALKWAY WITH A SAFETY INTERLOCK.



PLAN
SCALE: 1/16" = 1'-0"



ELEVATION
SCALE: 1/16" = 1'-0"

SEMI FINAL DESIGN REVIEW

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: E.I. CHECKED BY: J.L. SCALE AS NOTED	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: ...VPIM-ELE-03 Scope of Work.dgn	SIGNATURE/BLOCK: LOCHNER <small>H. W. LOCHNER, INC. 55 HARTLAND STREET, SUITE 401 EAST HARTFORD, CT 06109</small>	PROJECT TITLE: BRIDGE NO. 08032R SAGA BRIDGE NEW HAVEN MAIN LINE M.P. 44.32 OVER SAUGATUCK RIVER	TOWN: WESTPORT DRAWING TITLE: SCOPE OF WORK	PROJECT NO. 0301-0177 DRAWING NO. ELE-03 SHEET NO.
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 2/23/2024			