

Swing Bridge - Rehabilitation of Bridge No. 01338, Rt. 82 over the CT River

Project No. 0040-0141

FAP No. 0082 (141)

Contract Award

Contractor – American Bridge Company

Execution Date – June 7, 2022

Contract Value - \$55,225,000

Contract Time – 965 Days



Prosecution & Progress

Milestone 1

One Winter shutdown to replace electrical and mechanical equipment of swing span from December 1, 2023, through March 31, 2024.

Milestone 2

(25) 63-hour closure periods for completion of structural repairs.

Milestone 3

Structural Repairs using an allowed 63-hour full bridge closure during winter period (November through April)

Limits of Operations

The Contractor shall not interfere with normal traffic operations as follows:

- Monday- Friday 6am - 9am & 3pm-6pm
- Sat & Sun 10am – 6pm

Exceptions:

63- Hour Full Bridge Closures

- Sunday 8pm through Wednesday 11am

Overnight Full Bridge Closures

- Times vary per day and time of year
- See Section 1.08 Addendum 6

Alternating One-Way

- 42 continuous days between April 1, 2023, and May 15, 2023
- 122 continuous days between Dec 1, 2023, and March 31, 2024

Liquated Damages

- \$8,900 per day for each calendar day in excess of the 965 days
- \$2,500 per hour in the which the Contractor interferes with normal traffic operations during the restricted hours, outside of the allowed closure periods and extended alternating one-way traffic periods.
- \$15,600 per hour in which the Contractor has not opened the bridge to 2 full lanes of Rt. 82 after the 63-hour closure or overnight full bridge closure
- \$25,000 per day for each calendar day in excess of the Milestone 1 Completion Date

Incentives

- \$250,000 for each 63-hour closure that is fully eliminated, up to a maximum of \$1,250,000, if the Milestone 2 Completion Date is met
- \$40,000 for each 63-hour closure period implemented within the “Winter Period”, up to a maximum of \$1,000,000, if the Milestone 3 Completion Date is met

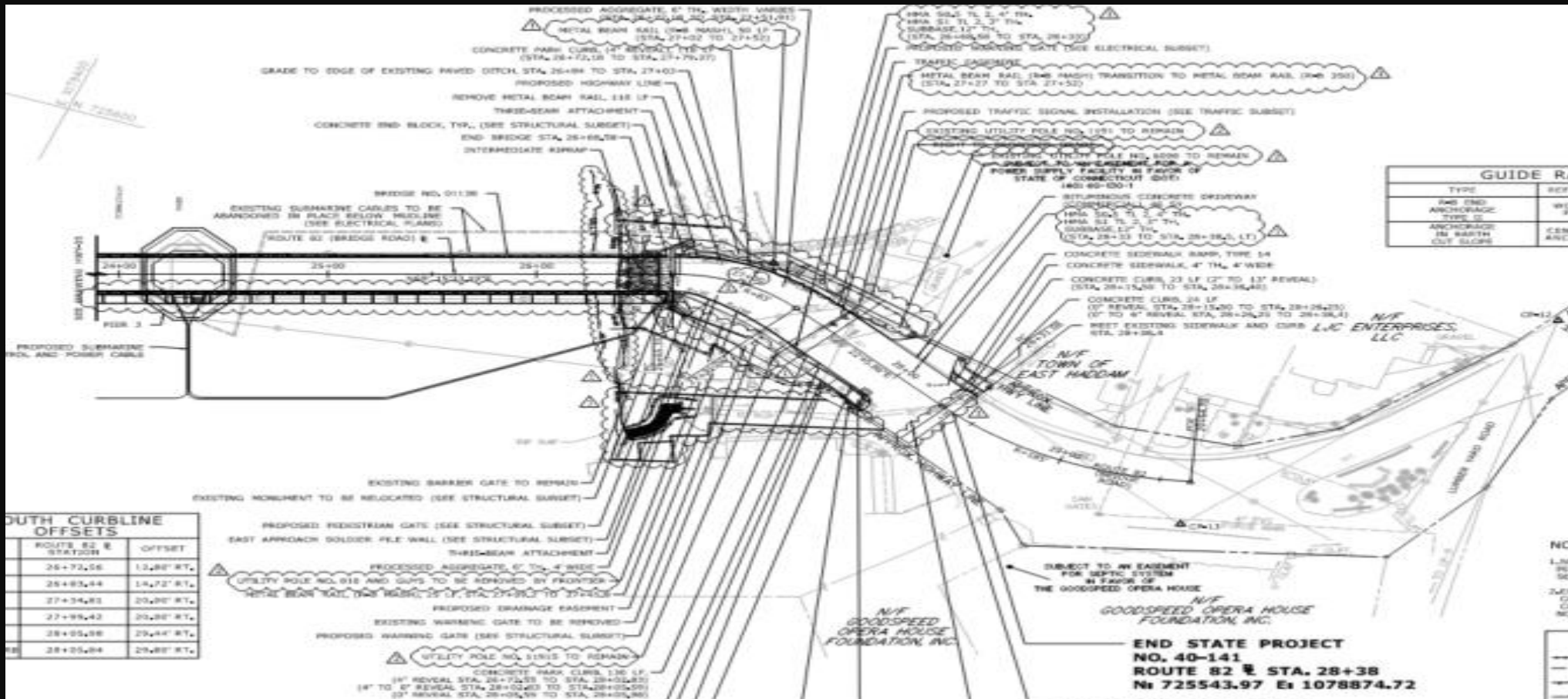
Standard Specifications

- This contract shall be governed by Standard Specifications, Form 818 and Supplemental Specifications, dated January 2021

Utilities

Mark Elliott

Utilities



Call Before You Dig



Notice to Proceed

- The NTP will be issued for July 7, 2022.
- This yields a completion date of: February 25, 2025

Field Office

Proposed:

15 Main Street

East Haddam, CT



Project Correspondence

- What email should monthly pay estimates, change orders, and correspondence be sent to via Compass?
- American Bridge's insurance expires on 04/01/2023, renewed insurance certificate

Early Action Submittals

- Quality Management Plan
 - Safety Plan
 - Baseline Schedule
 - Quality Control Program Level 2
 - Breakdown for Insurance and Taxes
 - 24 Hour Emergency Contacts
-



Environmental

Bill Bucko

Environmental Permits

- CTDEEP General Permit for Water resource Construction Activities
- CTDEEP Structures, Dredging and Fill, Tidal Wetlands and Section 401 Water Quality Certificate
- CTDEEP Flood Management Certificate
- Army Corps of Engineers Section 408
- Army Corps of Engineers Section 404 and 10 PCN
- CTDEEP Boating Marker Permit
- USCG Construction and Deviation Letter

Environmental Notices To Contractor

Furnishing, Planting and Mulching Trees, Shrubs, Vines and Ground Cover Plants – Pg. 34

The Contractor must secure an Encroachment Permit for planting areas to satisfy the one-year warranty. The Encroachment Permit requires a Permit Bond.

Protection of Waterway – Addendum #1 Pg. 36

At no time during construction will the waterway be prohibited below Spans 3 and 4 simultaneously, except as authorized by the USGC. Pre/ Post Construction River bottom surveys shall be performed. This section covers any spills and when to notify to CT DEEP Water Resources Unit.

Marker Permit Application – Pg. 19

DEEP Boating Division needs to be notified of any water work. The Contractor shall submit anticipated locations and positioning of the beacons with GPS coordinates. The Department will formally submit the Marker Permit Application which requires a minimum of two months.

Environmental Notices To Contractor

U.S. Coast Guard Deviations – Addendum #3 Pg. 4

Approved:

Phase A: May 15, 2022, through October 15, 2022. Swing span openings between 9 PM and 6 AM will be restricted.

To be submitted by the Department:

Phase B: December 1, 2022, through January 31, 2023. No swing span openings are to occur except one scheduled opening at the end of December or beginning of January. Refer to Section 1.08 for further requirements.

Phase C: April 1, 2023, through May 15, 2023. No swing span openings are to occur on the hour or between 6 AM and 8AM, and 3 PM and 6 PM.

Phase D: December 1, 2023, through March 31, 2024. No swing span openings are to occur.

Phase E: April 15, 2024, through September 30, 2024. Swing span openings between 9 PM and 6 AM will be restricted.

Material Testing

The revised Minimum Schedule of Testing can be found at
<https://portal.ct.gov/DOT/Office-of-Construction/Material-Testing>

DBE Requirements

- There is a 9% DBE requirement.
- Any change to the pre-award proposal must be submitted in writing to the District immediately with a CRD-15 form.
- The Following are Pre-Award Commitments:
 - A&J Construction
 - Baseline Supply, LLC
 - Freeman Companies, LLC
 - Medeiros Hydroseeding & Landscaping
 - Professional Touch NYC, LLC
 - The Quacker Corp.
 - Tower Maintenance Group
 - Warning Lights and Scaffolding Service, Inc.

Public Outreach

- Prior to starting field activities, the Contractor shall provide at least 21 days to the Department for Distribution of Press Release
- The project website (easthaddamswingbridgeproject.com), Facebook, and Twitter will be updated regularly with project updates

Addendums

Addendum No.1

- Added NTC – Geotechnical Report and Utility Generated Schedule
- Added Items for Controlled Material and Intermediate Riprap
- Revised Special Provisions for Contract Time, Liquidated Damages, milestone liquidated damages and milestone incentives, various NTCs, revisions to section 1.03, 1.06, 1.08 and various items.
- Incorporated permits USCG Construction and Deviation Letter, US Army Corps of Engineers PCN and US Army Corps of Engineers 408
- Incorporated various Contract items, revised Contract quantities and deleted contract item
- Incorporated new plan sheets and revised plan sheets

Addendum No.2

- Revisions to Section 1.10 and Structural Steel Repairs and Fiberglass Sidewalk
- Revised Removal of Existing Wearing Surface Quantity
- Incorporated revised plan sheets

Addendums

Addendum No.3

- Added NTC – U.S. Coast Guard Deviations and added deviation letter
- New Special Provisions for Temporary Bridge Operations
- Revisions to Section 1.03 and 1.08
- Revised Special Provisions for various Contract items
- Add New Contract items and revised Contract item quantities
- Incorporated new plans and revised plans

Addendum No.4

- Added NTC – Mandated Use of AASHTOWare and Structural Steel Fabricator
- Revisions to Section 1.05, 1.08 and 1.10
- New Contract Items and Revised Contract Item quantities
- Incorporated new plans and revised plans

Addendums

Addendum No.5

- New Item and Special Provision for Temporary Service
- Revised Item – Bridge Electrical and Control System
- NTC – Structural Steel Fabricator, Bridge Sites and Utility Generated Schedule
- Revised Plan – See Page 127 for more details

Addendum No.6

- Revisions to Section 1.08 – Prosecution and Progress

Notices To Contractor

Adhesive Bonded Anchor and Dowel Installation, Inspection and Testing Req. – Pg. 23

Contractor required to have a ACI Certified Installer and Inspector. Anchors and dowels installed shall be subject to field proof load testing by an independent third-party testing agency. See Section 6.10 for complete requirements.

Ice Management – Addendum #1 Pg. 35

The Contractor shall develop and implement an Ice Management Plan.

Load Capacity and Priority Repairs – Addendum #4 Pg. 6

Span 2 and Span 1 have prioritized repairs to meet load requirements of construction plan. The Contractor should provide Detail Plan prior to any construction loads.

Notices To Contractor

Rights of Way Restrictions -

The Department has completed all property acquisitions.

Ultra-High-Performance Concrete -

Requires submission of Mix Design, Construction Work Plan and Quality Control Plan at least 90 days prior to placement. Pre-Placement Meeting and Trail Placement requirements

Quality Management Plan and Quality Control Program Level 2-

Review the requirements for the Quality Management Plan and Quality Control Program Level 2

A quality Control Manager should be proposed within 30 days of award and a written QC program should be submitted within 45 days

Design

Derick Lessard

Tracey Brais

Item #0020765 & 0020801 Guano & Asbestos Abatement

- Review pre-abatement submittals and notices prior to starting.



Special Provision Items

Item #0100042 – Embedment of Submarine Cable Underwater

Requires working drawings, soundings, method of installation and various other requirements.

Item #0603061-3A / 0603081– Structural Steel / Structural Steel Repairs

Contractor to provide Qualifications of Shop Painting Firm and Quality Control Inspection.

Item #0603135A Vehicle Barrier Gate Machinery

Covers the requirements for Hydraulic Cylinders, Hydraulic pump, motor, filter, plumbing, fittings, hydraulic oil, live load strike plates, gate reflector signs and lights.

Item #0603514A 5” Steel Grid Decking

Contractor to submit steel grid fabricator and precaster for all deck panels.

Item #0406999A

Asphalt Adjustment Cost

In accordance with the Contract Special Provision for Item #0406999A is 28 days prior to the actual bid opening of the Contract. 0406999A – Asphalt Adjustment Cost the Base Price is the average selling price per standard per standard ton, F.O.B., which is posted by the Department of Transportation

For the subject Contract, the following applies:

- Bid Opening Date: March 30, 2022
- Posted date that is the Wednesday 28 days prior to: March 2, 2022
- Go to http://www.ct.gov/dot/lib/dot/documents/dconstruction/asphalt_hist.pdf
- Asphalt Base Price: \$565.00/ Ton

The Asphalt Base price of \$565.00/ Ton will be used to establish any asphalt adjustments that may apply to this Contract per the Specification.

Special Provision Items

Item #0604398A – Erection Equipment – Complete

Contractor is responsible for design, construction, maintenance and removal of any temporary works or equipment required for the bridge rehabilitation.

Item #00661105A - Fiberglass Sidewalk

Contractor to provide Manufacturer's plan, qualifications, shop drawings and samples/ test reports.

Item #0904XXX – Metal Bridge Rail

Contract requires a shop drawing prior to fabrication.

Item #1018013A Temporary Waterway Construction Markers

Contractor to submit a Boat Safety Plan 90 days prior to establishment of work zone.

Contractor Comments

- Long Lead Time Procurement Items
- Suspended Platforms
- Turbidity Curtain and Pin Piles
- Machinery – Unforeseen Items
- Temporary Bridge Operations Transition and Training
- Single Lane Closures

General Discussion
