Project Status Update Meeting
June 12, 2018

- U.S. Route 1 (E. Main Street & Boston Post Road) over Noroton River
  - Replacement of Bridge No. 00315
    State Project No. 135-307

Connecticut Department of Transportation

CT DOT & Consultant Engineers

CT DOT

Division of Bridges

BL Companies

Consultant Liaison Engineer

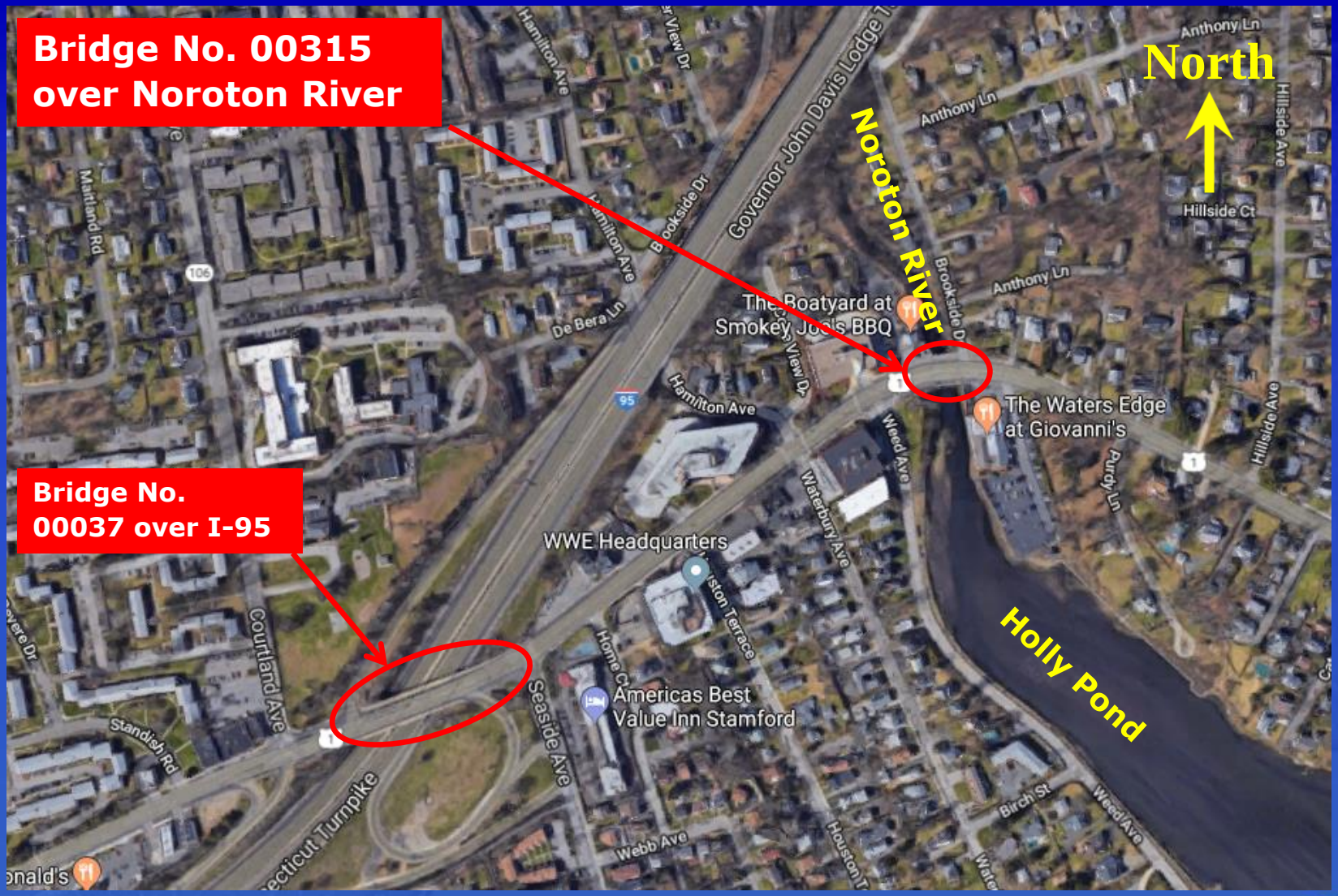
Nick Giardina, P.E.

Anchor Engineering Services

Design Consultant - Bridge No. 00315

State Project No. 0135-307

Mark Zessin, P.E.



Aerial View of Bridge 00315

Connecticut Department of Transportation

Existing Bridge Description

Bridge No. 00315

- **Built in 1913, rehabilitated in 1956**
- **Structure Dimensions**

  Bridge Length = 50-feet

  Two Spans

  Curb-to-Curb Width = 70-feet

  Superstructure composed of concrete deck units, concrete encased steel beams & reinforced concrete "T" beams, and closed spandrel arches

- **Bridge carries two lanes of traffic in each direction with a painted median**
  - **Estimated Average Daily Traffic (ADT) on U.S. Route 1 at this site ~ 10,600 vehicles (2013)**

Reasons for Project

Bridge No. 00315

Structure is recommended for replacement under the State Bridge Program.

Reasons include:

- **Scour Critical**
  - **Exposed footings**
  - **Risk of undermining foundations**
- **Structure Condition**
  - **South parapet exhibits impact damage**
  - **Areas of deteriorated concrete with cracks and spalls**
  - **Corroded reinforcing steel and steel beams**

Looking East

Bridge No. 00315

Connecticut Department of Transportation

Looking West

Bridge No. 00315

Connecticut Department of Transportation

Looking North

Bridge No. 00315

Connecticut Department of Transportation

Looking South

Bridge No. 00315

Connecticut Department of Transportation

Substructure Deterioration

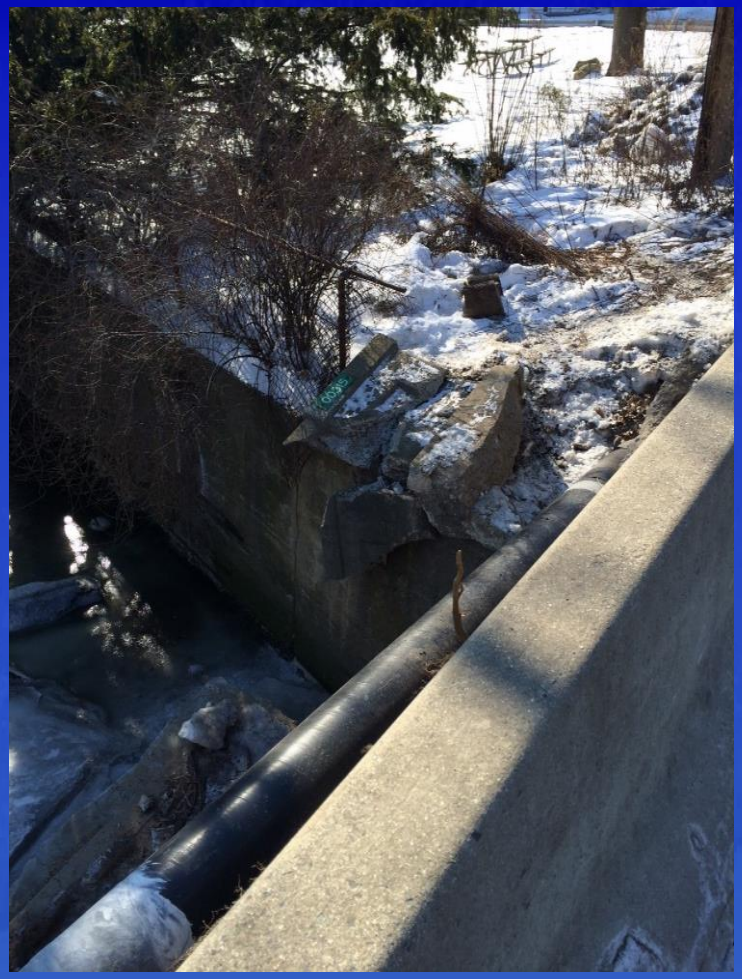
Bridge No. 00315

Connecticut Department of Transportation

Substructure Deterioration

Bridge No. 00315

Connecticut Department of Transportation



Impact Damage

Bridge No. 00315

Connecticut Department of Transportation

Exposed Footings

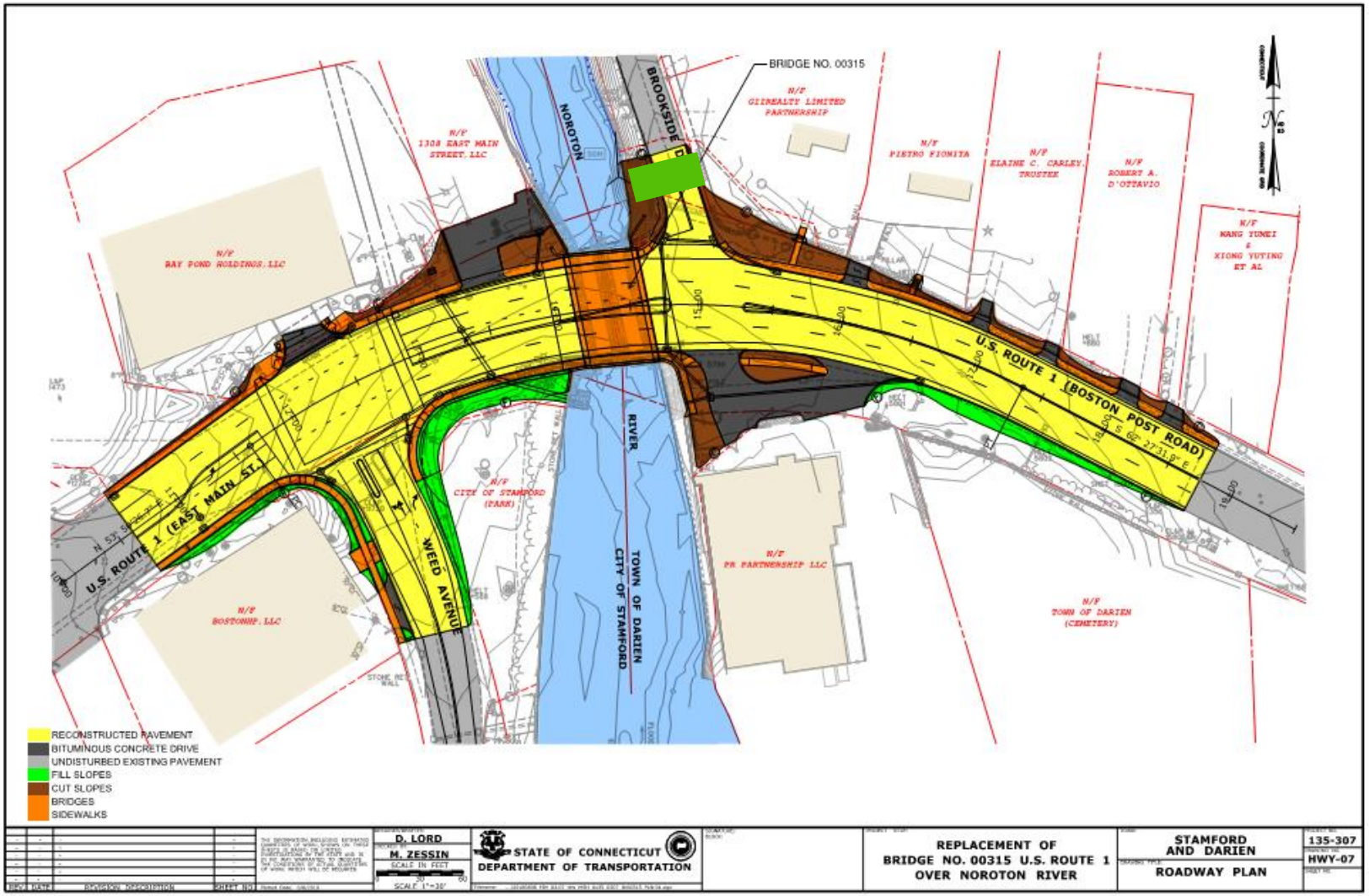
Bridge No. 00315

Connecticut Department of Transportation

Proposed Construction

Bridge No. 00315

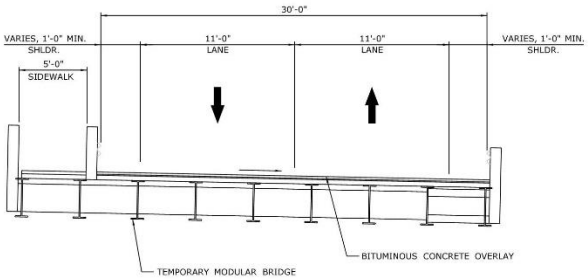
- New single-span New England Extreme Tee (NEXT) prestressed concrete multi-girder structure with a concrete deck
- Cast in place concrete abutments supported on piles
- 2.5-foot profile raise of U.S. Route 1 to meet minimum hydraulic opening requirements
- Three lanes of traffic to be maintained during construction
  - Temporary bridge to the north



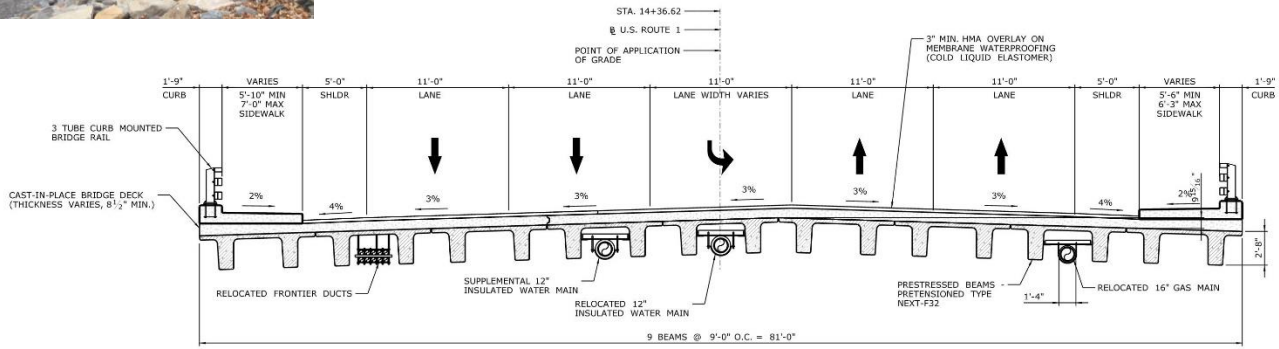
Proposed Roadway Plan

Bridge No. 00315

Connecticut Department of Transportation



TEMPORARY BRIDGE TYPICAL SECTION
SCALE: 1/4" = 1'-0"



TYPICAL SECTION
SCALE: 1/4" = 1'-0"

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THE INFORMATION INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS PRESENTED AS THE BEST INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Dated Date: 8/1/2018

DESIGNED/DRAFTED: K. FLETCHER
CHECKED BY: M. ZESSIN
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\05.03.SB_MSH_0135_0307_IN00315_TYP-01.dgn

SIGNATURE/BLOCK:

PROJECT TITLE: REPLACEMENT OF BRIDGE NO. 00315 U.S. ROUTE 1 OVER NOROTON RIVER

TOWN: STAMFORD AND DARIEN

DRAWING TITLE: TYPICAL BRIDGE SECTIONS

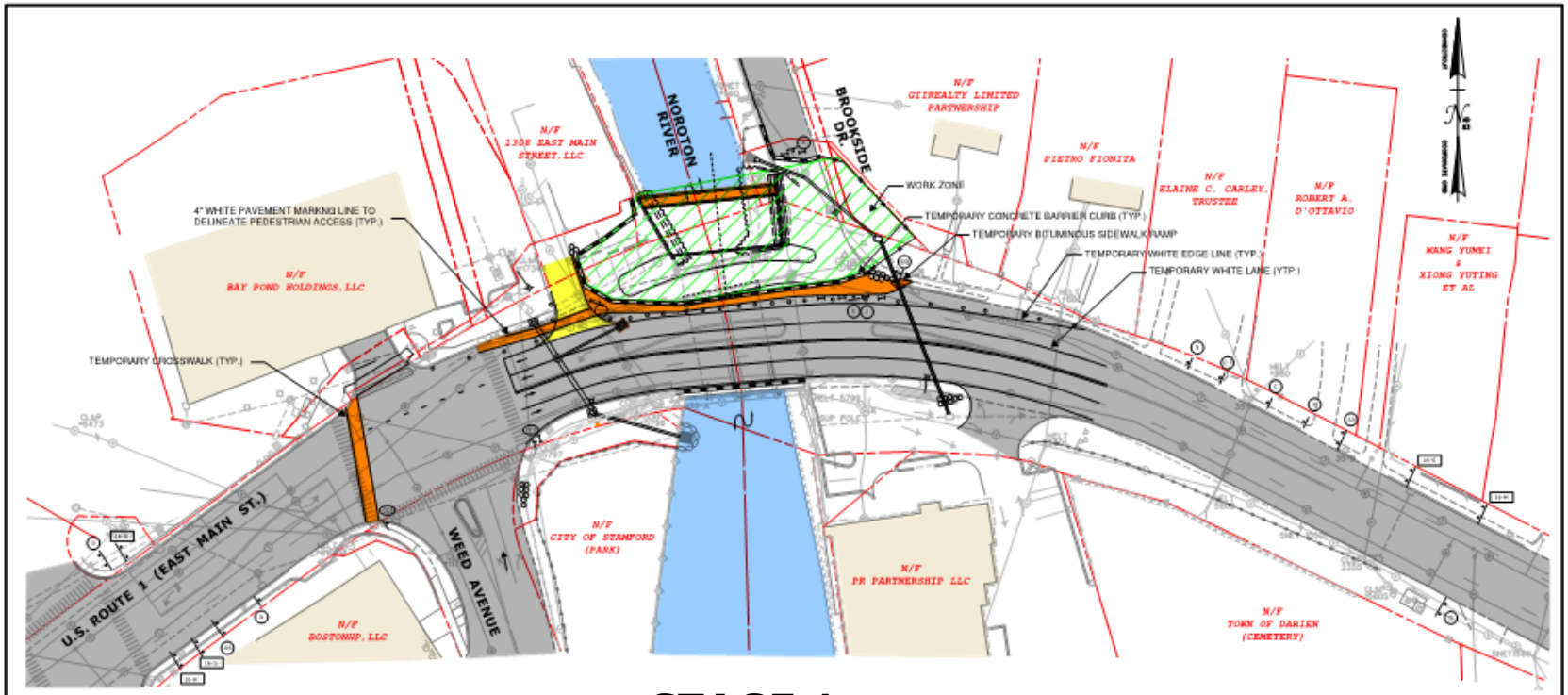
PROJECT NO. 135-307
DRAWING NO. S-03
SHEET NO. 05.03

Border Version: 11/14/08

Proposed Bridge Plan

Bridge No. 00315

Connecticut Department of Transportation



STAGE 1

RECONSTRUCTED PAVEMENT
BITUMINOUS CONCRETE DRIVE
UNDISTURBED EXISTING PAVEMENT
FILL SLOPES
CUT SLOPES
BRIDGES
SIDEWALKS

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

D. LORD
M. ZESSIN
SCALE IN FEET
SCALE 1"=30'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

REPLACEMENT OF BRIDGE NO. 00315 U.S. ROUTE 1 OVER NOROTON RIVER

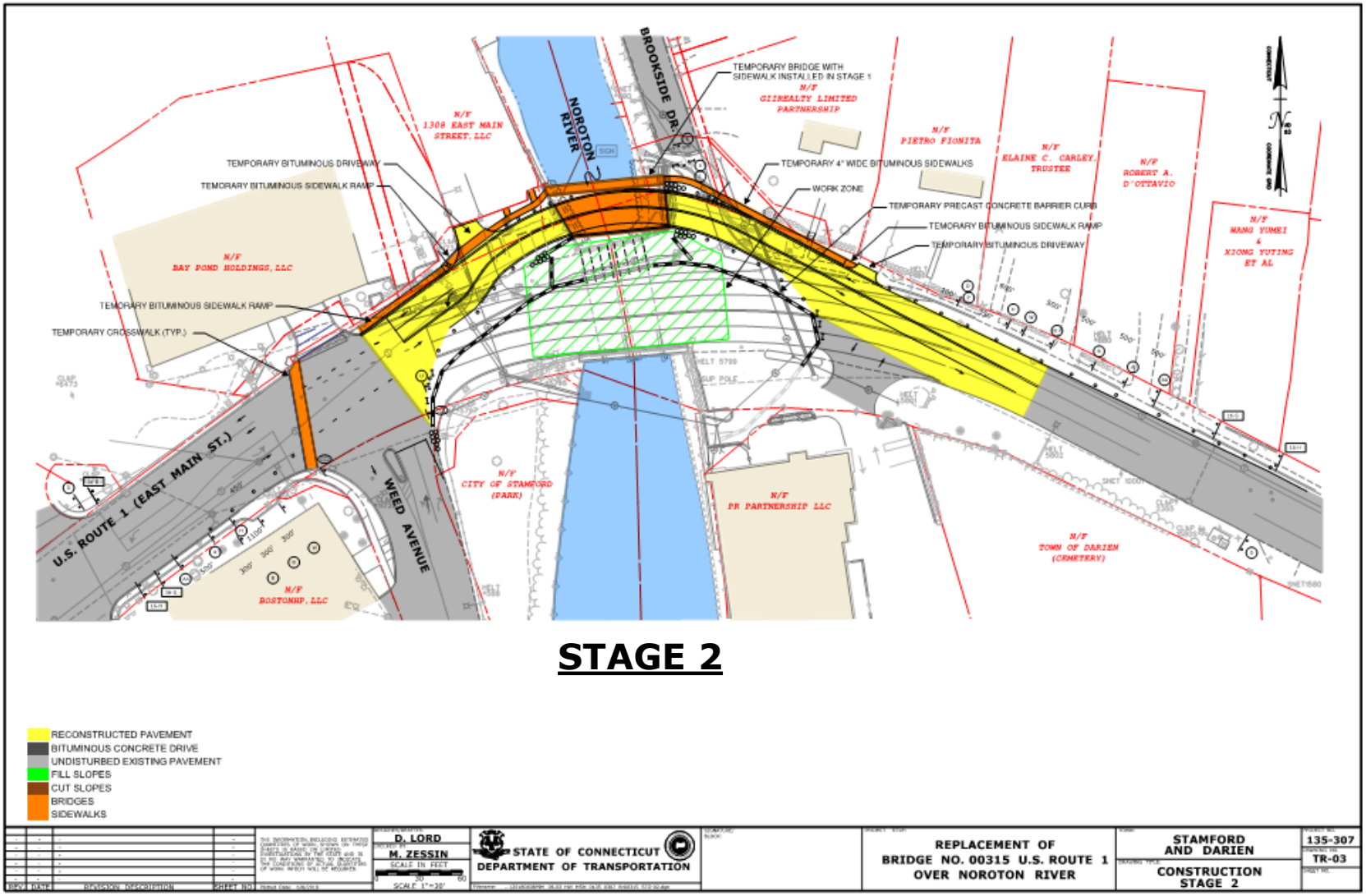
STAMFORD AND DARIEN
CONSTRUCTION STAGE 1

135-307
TR-02

Construction Stages

Bridge No. 00315

Connecticut Department of Transportation

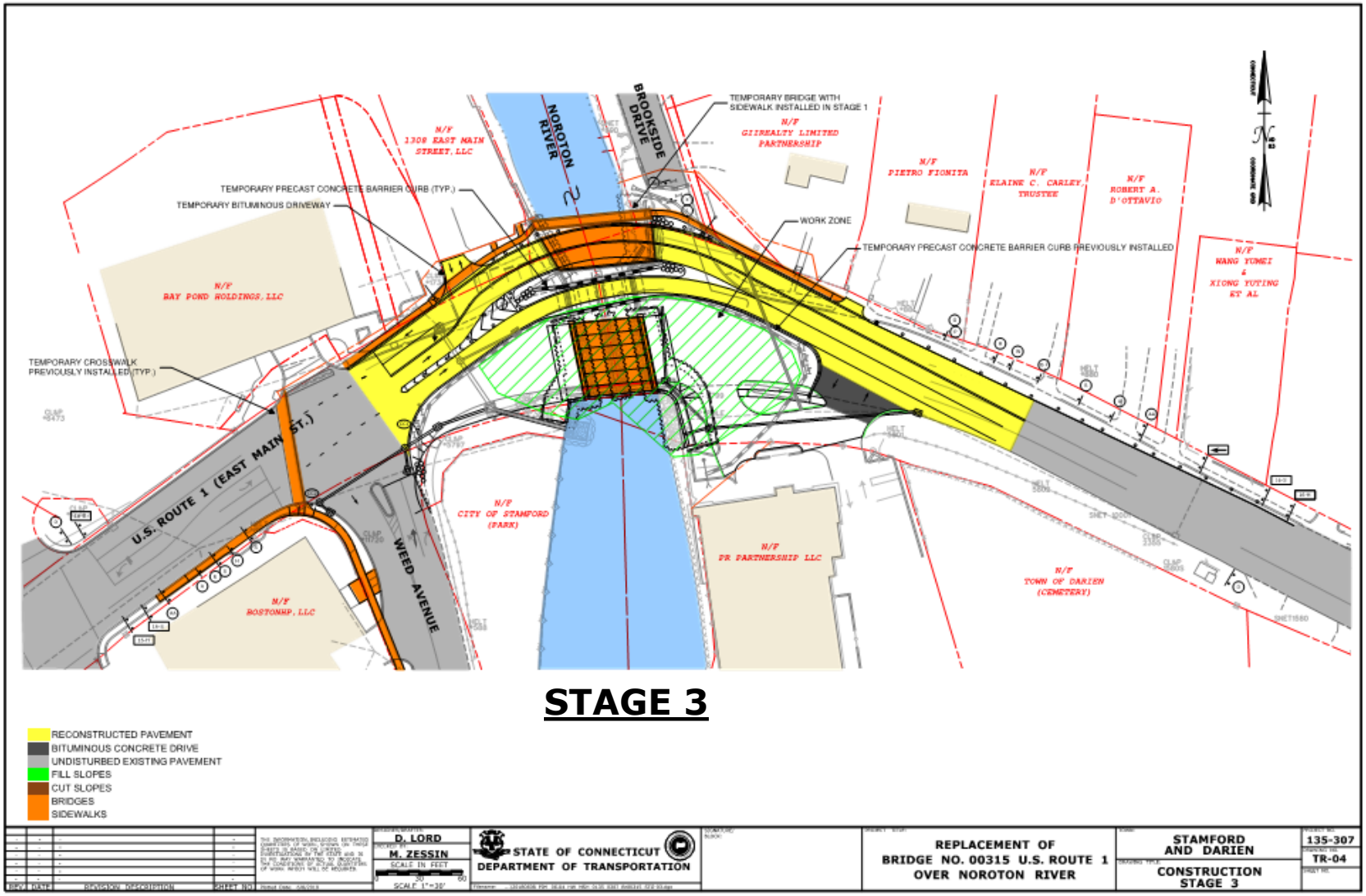


STAGE 2

Construction Stages

Bridge No. 00315

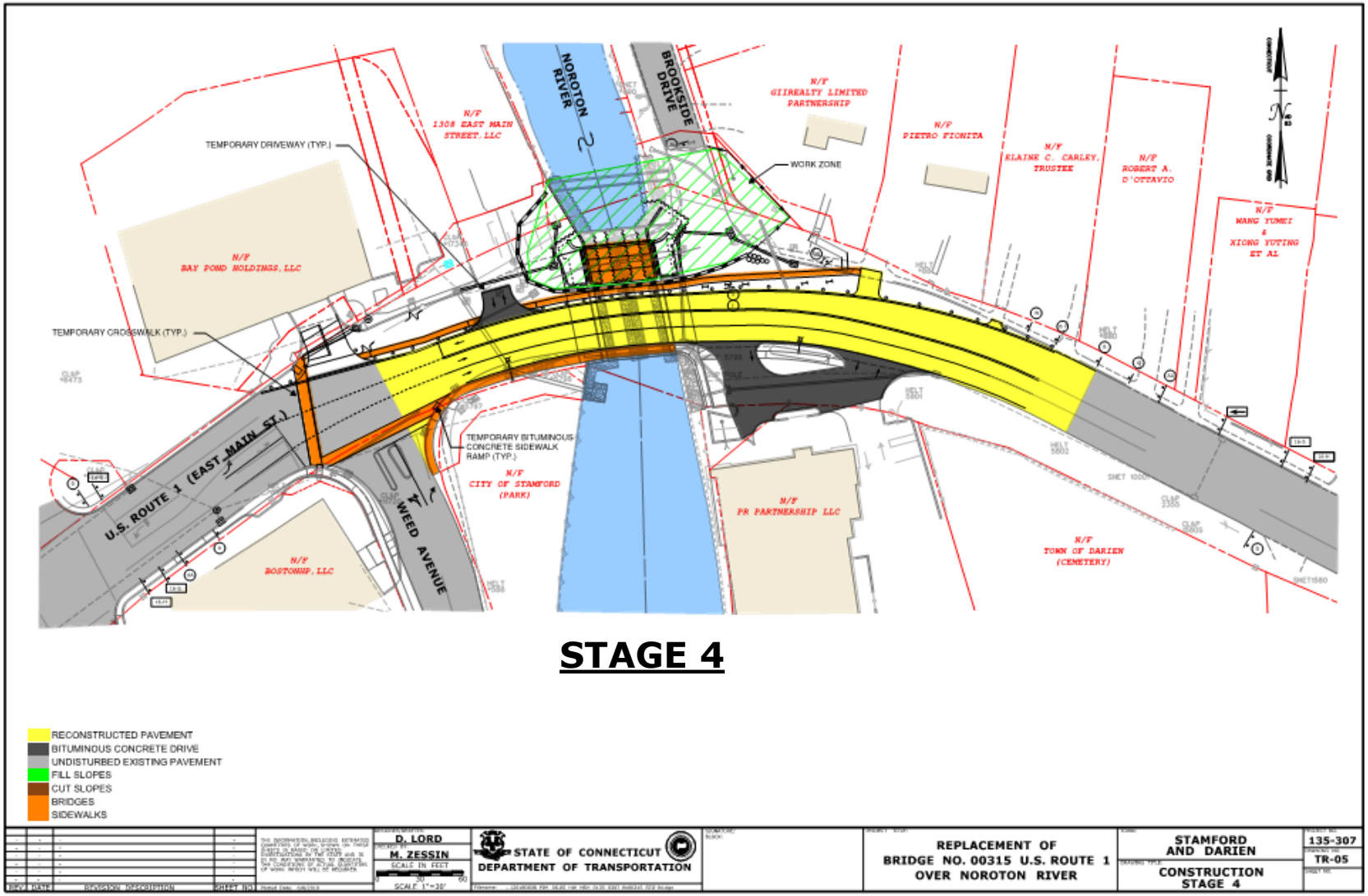
Connecticut Department of Transportation



Construction Stages

Bridge No. 00315

Connecticut Department of Transportation

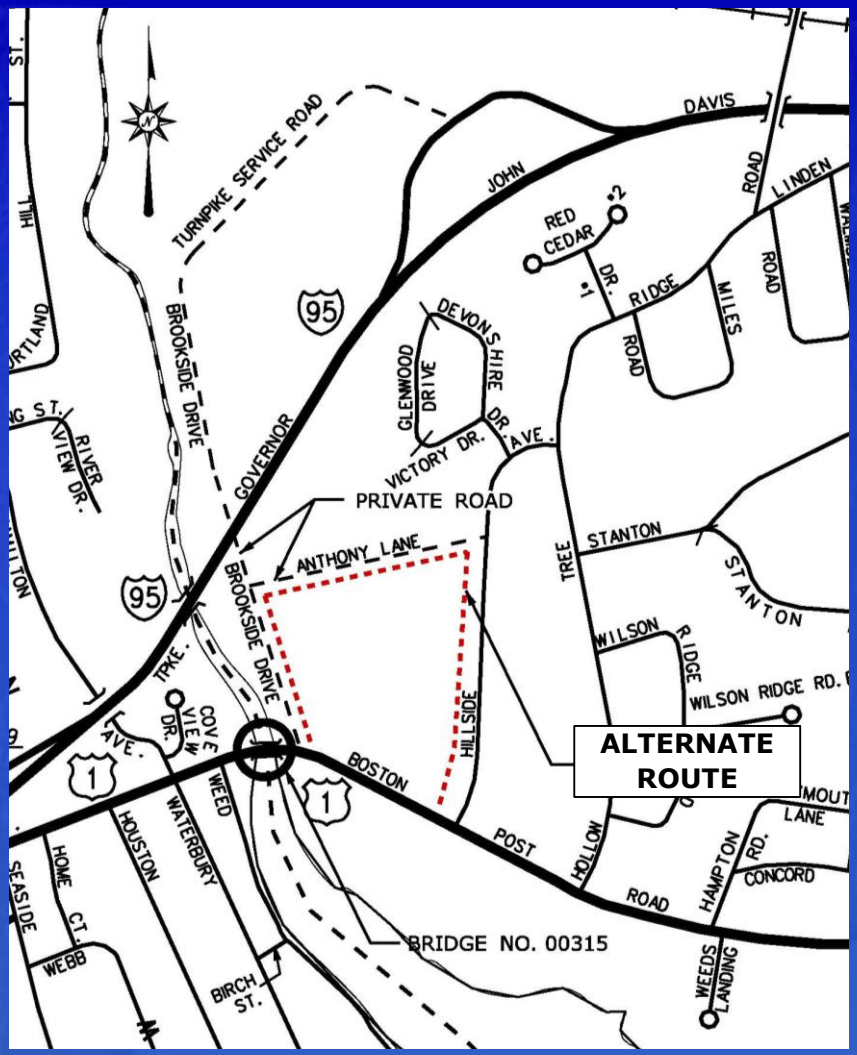


STAGE 4

Construction Stages

Bridge No. 00315

Connecticut Department of Transportation



Brookside Drive

Bridge No. 00315

Connecticut Department of Transportation

Allowable Working Periods

Bridge No. 00315

Contractor will be permitted to work during the following periods:

- **Monday through Thursday, 6:00am – 10:00pm**
- **Fridays, 6:00am – 6:00pm**
- **Night Work will be permitted for limited activities from Sunday through Thursday, 10:00pm – 6:00am**

No work will be permitted Friday from 6:00pm through Monday 6:00am, except those periods indicated for night work (Sunday nights)

Project Costs & Schedule

Bridge No. 00315

Estimated CN Cost: $8 Million - $9 Million

The project is anticipated to be funded using Federal (80%) and State (20%) capital

Construction is anticipated to begin in the fall of 2018.

Anticipated construction time = 35 months (Construction Completion Date October 1, 2021)

The schedule is predicated upon the availability of funding, the issuance of the requested environmental permits and the resolution of all property impacts.

THANK YOU…

FOR YOUR TIME AND ATTENTION

Contact Information

- **CT DOT**

  Ms. Susan Morneault
  2800 Berlin Turnpike, P.O. Box 317546
  Newington, Connecticut 06131-7546
  (860) 594-2447
  susan.morneault@ct.gov

- **BL Companies**

  Mr. Nicholas Giardina, P.E.
  150 Trumbull Street, 6th Floor
  Hartford, Connecticut 06103
  (860) 249-2200
  ngiardina@blcompanies.com

Connecticut Department of Transportation

Anticipated Environmental Permits

Bridge No. 00315

The proposed construction will impact approximately 5,000 square feet of inland wetlands.

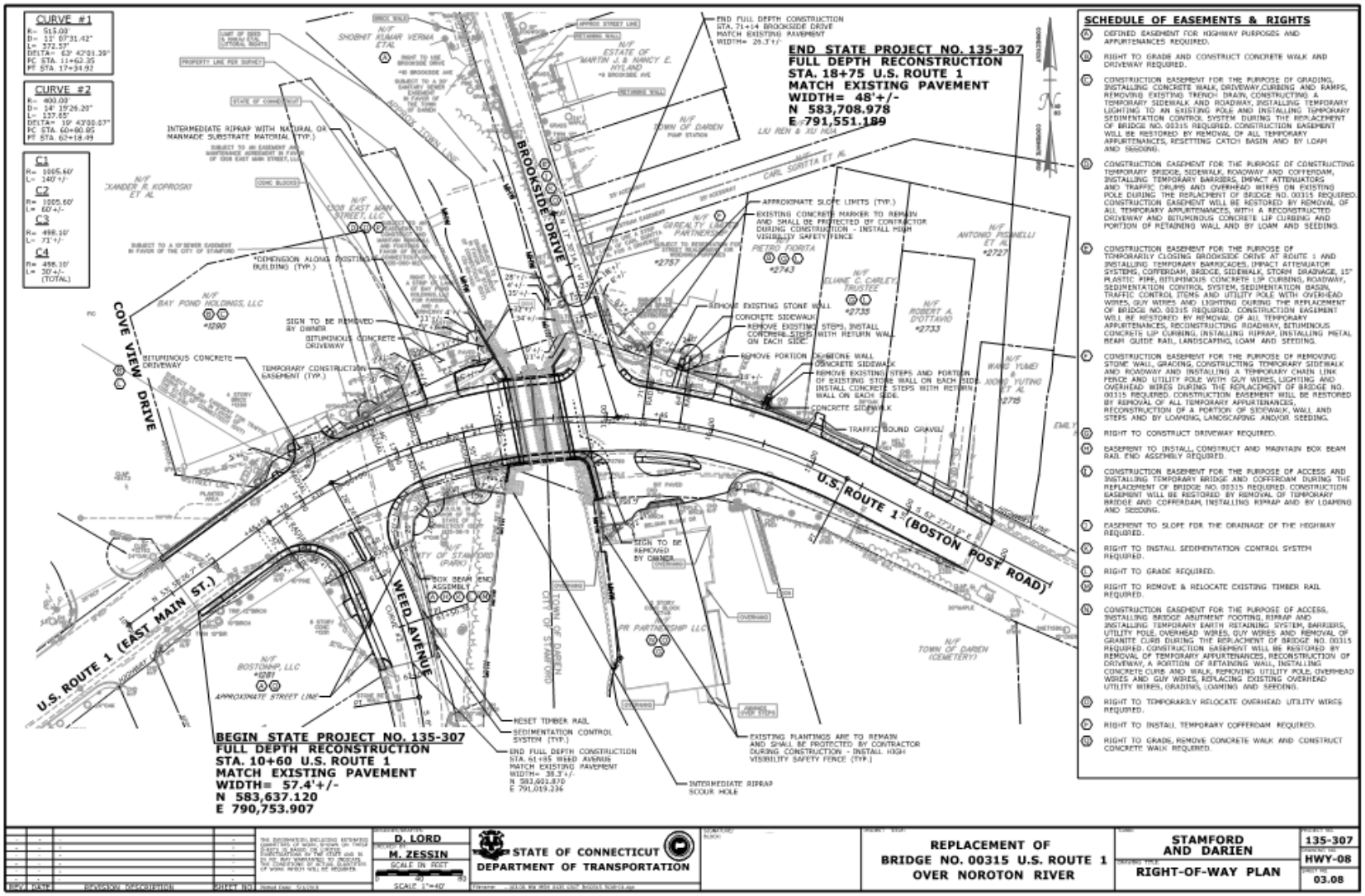
The following environmental permits will be required:

- **CT DEEP – Inland Wetlands Watercourse Permit**
- **CT DEEP – Flood Management Certification**
- **CT DEEP – Structures, Dredging and Fill Permit**
- **ACOE General Permit (Pre-Construction Notification)**
- **CT DEEP – Stormwater Discharge Permi**

Rights-of-Way

Bridge No. 00315

- **Based upon the State boundary map, the width of the U.S. Route 1 Right-of-Way in the vicinity of the bridge is approximately 130-feet.**
- **Anticipated impacts to private property include:**
  - **Three (3) defined easements for highway purposes**
  - **One (1) easement to slope for the drainage of the highway**
  - **One (1) easement to install, construct and maintain box beam rail end assembly**
  - **Five (5) temporary construction easements**
  - **Three (3) right to construct driveways**
  - **Two (2) right to reconstruct sidewalks**
  - **Two (2) right to grade and construct concrete walk and driveways**
  - **One (1) right to remove stone steps and portion of stone wall and replace with concrete steps and wall**
  - **Four (4) right to grades**
  - **Three (3) right to temporarily relocate overhead utility wires**
  - **One (1) right to install temporary cofferdam**
  - **Two (2) right to install sedimentation control systems**
  - **One (1) right to remove and relocate existing timber rail**



Right-of-Way Plan

Bridge No. 00315

Connecticut Department of Transportation

Public Utilities

Bridge No. 00315

Overhead utilities at the bridge site:

- Frontier Communications and Eversource Energy utility poles (with illumination)

Underground utilities at the bridge site:

- Telecommunication ducts, 12” water main and 16” gas main. No impact to sanitary sewer.

Anticipated utility impacts:

- Support in place and shift Frontier conduits
- Install temporary water main along temporary bridge and install two new water mains on new bridge
- Backfeed existing gas main and install new main
- Temporary street lighting to be provided during construction

Gas Main - South Side

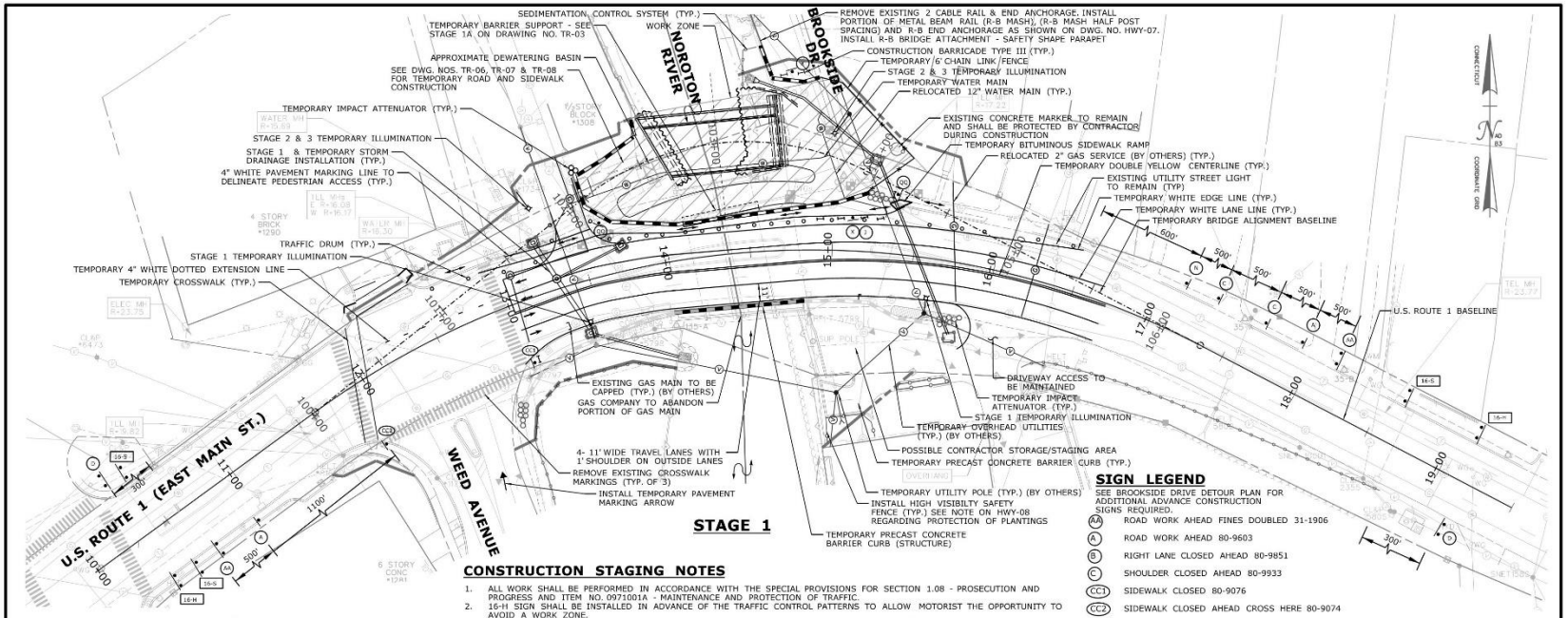
Bridge No. 00315

Connecticut Department of Transportation

Overhead Utilities

Bridge No. 00315

Connecticut Department of Transportation



CONSTRUCTION STAGING

1. SEE BRIDGE STAGE CONSTRUCTION PLANS FOR WATER HANDLING & STAGED BRIDGE CONSTRUCTION SCHEDULE AND DETAILS.
2. SEE DRAINAGE PLANS FOR TEMPORARY & PERMANENT DRAINAGE INFORMATION.
3. SEE TRAFFIC SIGNAL PLANS FOR STAGE CONSTRUCTION SIGNAL MODIFICATIONS.

STAGE 1

1. TEMPORARY OVERHEAD UTILITY RELOCATIONS COMPLETED. INSTALL ADVANCE CONSTRUCTION SIGNS.
2. INSTALL EROSION AND SEDIMENTATION CONTROLS.
3. COMPLETE NECESSARY CLEARING AND GRUBBING.
4. INSTALL TEMPORARY AND STAGE 1 STORM DRAINAGE. INSTALL TEMPORARY TRENCH REPAIR PAVEMENT.
5. INSTALL TEMPORARY PRECAST CONCRETE BARRIERS, IMPACT ATTENUATOR SYSTEMS, TEMPORARY PAVEMENT MARKINGS, SIGNAGE AND TEMPORARY TRAFFIC SIGNAL PER PLANS AND SPECIFICATIONS. REMOVE CONFLICTING PAVEMENT MARKINGS.
6. SHIFT TRAFFIC TO THE SOUTH SIDE OF THE ROAD.
7. INSTALL TEMPORARY EARTH RETAINING SYSTEMS, COFFERDAMS. COMPLETE STAGE 1 STRUCTURE CONSTRUCTION FOR TEMP. BRIDGE (SEE DWG. NO. S-11).
8. CONSTRUCT TEMPORARY WATER MAIN, TEMPORARY ROADWAY AND SIDEWALKS.
9. INSTALL TEMPORARY ILLUMINATION.

TEMPORARY IMPACT ATTENUATOR SYSTEMS

N.T.S.

CONSTRUCTION STAGING NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR SECTION 1.08 - PROSECUTION AND PROGRESS AND ITEM NO. 0971001A - MAINTENANCE AND PROTECTION OF TRAFFIC.
2. 16-H SIGN SHALL BE INSTALLED IN ADVANCE OF THE TRAFFIC CONTROL PATTERNS TO ALLOW MOTORIST THE OPPORTUNITY TO AVOID A WORK ZONE.
3. "ROAD WORK AHEAD FINES DOUBLED" SIGN SHALL BE PLACED IN ADVANCE OF THE "ROAD WORK AHEAD" SIGN.
4. HIGH INTENSITY BARRICADE WARNING LIGHTS SHALL BE INSTALLED ON ALL POST-MOUNTED DIAMOND ADVANCE WARNING SIGNS AND TYPE III BARRICADES.
5. DELINEATOR TYPE DE-7 SHALL BE INSTALLED ON TEMPORARY PRECAST CONCRETE BARRIER CURB AS SPECIFIED ON THE TRAFFIC STANDARD SHEET "DELINEATION, DELINEATOR AND OBJECT MARKER DETAILS.
6. ANY EXISTING PAVEMENT MARKINGS IN CONFLICT WITH TEMPORARY CONSTRUCTION MARKINGS SHALL BE REMOVED BY THE CONTRACTOR.
7. EXISTING SIGNS ARE TO BE RELOCATED AS NEEDED AND AS DIRECTED BY THE ENGINEER DURING CONSTRUCTION SO THAT THEY ARE IN THE APPROPRIATE LOCATION AND VISIBLE TO MOTORISTS. SOME SIGNS MAY HAVE TO BE TEMPORARILY LOCATED WITHIN THE WORK AREA. THIS WORK WILL BE PAID FOR UNDER ITEM NO. 0971001A- MAINTENANCE AND PROTECTION OF TRAFFIC.
8. THE LOCATIONS OF TEMPORARY SIGNS SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE ADJUSTED BY THE CONTRACTOR TO MEET FIELD CONDITIONS.
9. ANY EXISTING SIGNING DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT NO COST TO THE STATE.
10. TEMPORARY SIGNS SHALL BE MOUNTED ON POSTS WHEN FEASIBLE.
11. TEMPORARY PAVEMENT MARKINGS ON PAVEMENT TO BE OVERLAID OR REMOVED SHALL BE PAINT IF FOR ONE SEASON AND EPOXY RESIN IF USED DURING WINTER. TEMPORARY MARKINGS ON PAVEMENT NOT TO BE OVERLAID OR REMOVED SHALL BE TEMPORARY PLASTIC PAVEMENT MARKING TAPE UNLESS OTHERWISE NOTED.
12. ALL PAVEMENT MARKINGS TO BE INSTALLED IN ACCORDANCE WITH STANDARD SHEETS TR-1210.4: "PAVEMENT MARKING LINES AND SYMBOLS" AND TR-1210 08 "PAVEMENT MARKINGS FOR NON FREEWAYS".
13. ALL SIGNS USED FOR CONSTRUCTION WILL BE PAID FOR UNDER ITEM NO. 1220027 - "CONSTRUCTION SIGNS".
14. INSTALL SIGNS AND METAL SIGN POSTS IN ACCORDANCE WITH STANDARD SHEETS TR-1208.01: SIGN SUPPORT AND SIGN PLACEMENT DETAILS, GORE EXIT SIGN; AND TR-1208.02: METAL SIGN POSTS AND SIGN MOUNTING DETAILS.
15. ALL TEMPORARY PEDESTRIAN ACCESS ROUTES, INCLUDING TEMPORARY BITUMINOUS CONCRETE SIDEWALKS AND RAMPS SHALL BE IN ACCORDANCE WITH ADA STANDARDS FOR ACCESSIBILITY.
16. TEMPORARY BITUMINOUS DRIVEWAYS, SIDEWALKS AND RAMPS TO BE IN ACCORDANCE WITH AND PAID FOR UNDER SECTION 9.22 AND TEMPORARY BITUMINOUS CURBING UNDER SECTION 8.15.

LEGEND

- TEMPORARY PRECAST CONCRETE BARRIER CURB (TPCBC)
- TEMPORARY PRECAST CONCRETE BARRIER CURB - STRUCTURE
- TEMPORARY IMPACT ATTENUATOR SYSTEM
- DIRECTION OF TRAFFIC FLOW (NOT PAVEMENT MARKING SYMBOL)
- CONSTRUCTION SIGN (SINGLE POST)
- CONSTRUCTION SIGN (DOUBLE POST)
- TYPE III CONSTRUCTION BARRICADE
- TRAFFIC DRUM
- DIRECTION OF TRAFFIC FLOW - PEDESTRIAN ROUTE

SIGN LEGEND

SEE BROOKSIDE DRIVE DETOUR PLAN FOR ADDITIONAL ADVANCE CONSTRUCTION SIGNS REQUIRED.

AA	ROAD WORK AHEAD FINES DOUBLED 31-1906
A	ROAD WORK AHEAD 80-9603
B	RIGHT LANE CLOSED AHEAD 80-9851
C	SHOULDER CLOSED AHEAD 80-9933
CC1	SIDEWALK CLOSED 80-9076
CC2	SIDEWALK CLOSED AHEAD CROSS HERE 80-9074
D	END ROAD WORK 80-9612
H	REDUCE SPEED TO 20 MPH 80-9506
I	DETOUR (R) 80-9701R
QQ	DETOUR (PEDESTRIAN) (R OR L) 80-9703
N	SHOULDER CLOSED 80-9958
O	80-9056 R (DOUBLE REVERSE CURVE SYMBOL)
P	80-9569 (ADVISORY SPEED PLATE -20 MPH)
R	AHEAD 80-9871 (SUBPLATE)
S	80-9905 (ROAD SPLITS SYMBOL)
U	80-9424 L (LEFT HORZ ARROW SYMBOL)
W	80-9921 (MERGE LEFT SYMBOL)
X	ROAD CLOSED 80-9080 (NOTE: SIGN "X" TO BE MOUNTED ON CONSTRUCTION BARRICADE)
16-H	CONSTRUCTION AHEAD 80-1608
16-S	CONSTRUCTION AHEAD, SIDEWALK USE RESTRICTED 80-1619
←	HIGH MOUNTED INTERNALLY ILLUMINATED FLASHING ARROW

NOTE: ALL PROPOSED TEMPORARY AND PERMANENT UTILITY RELOCATIONS SHOWN ARE APPROXIMATE AND REQUIRE COORDINATION WITH UTILITY COMPANIES.

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Plotted Date: 8/1/2018

DESIGNED/DRAFTED: D. LORD
CHECKED BY: M. ZESSIN
SCALE IN FEET 0 30 60
SCALE 1"=30'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

SIGNATURE/BLOCK:

PROJECT TITLE: REPLACEMENT OF BRIDGE NO. 00315 U.S. ROUTE 1 OVER NOROTON RIVER

TOWN: STAMFORD AND DARIEN

DRAWING TITLE: CONSTRUCTION STAGE 1

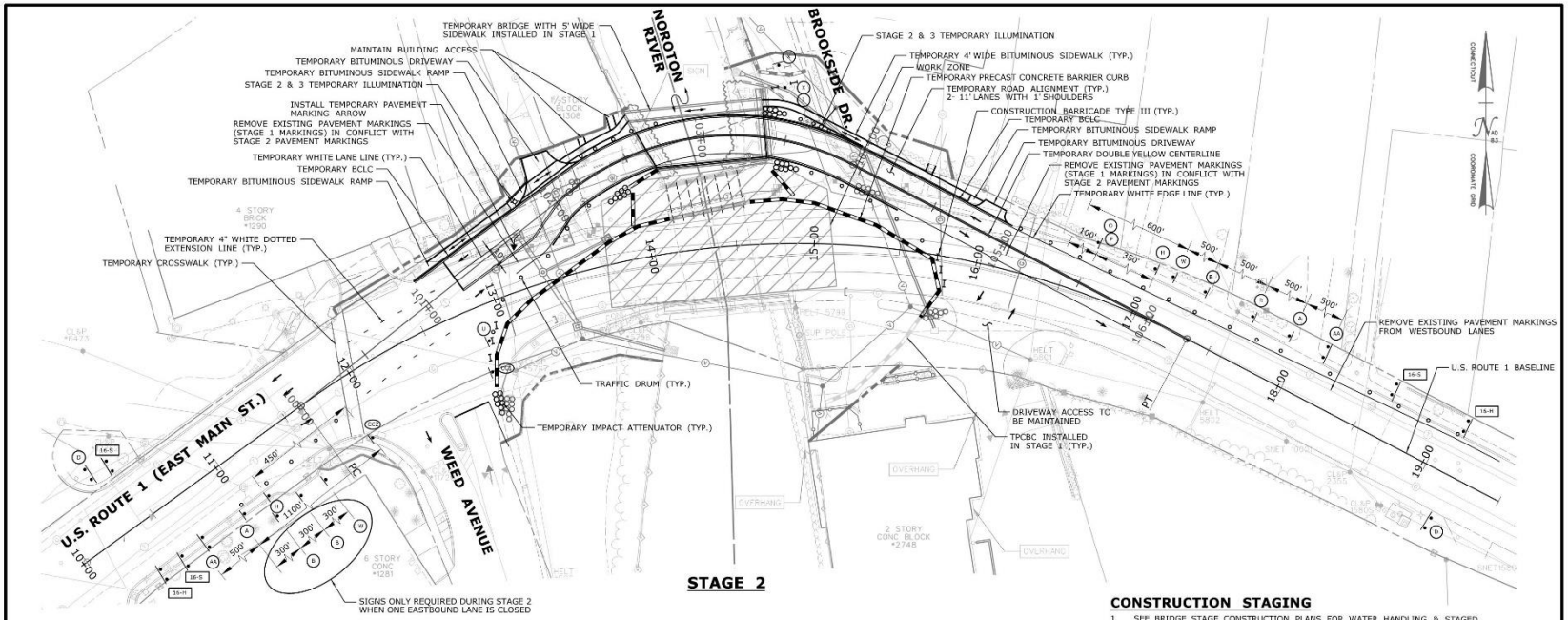
PROJECT NO. 135-307
DRAWING NO. TR-02
SHEET NO. 06.02

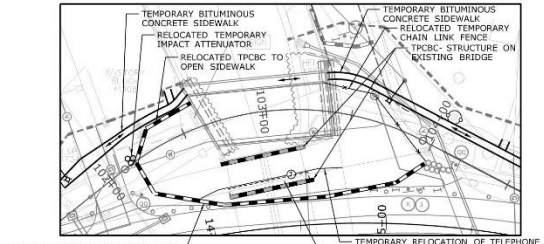
Border Version: 11/14/08

Construction Stages

Bridge No. 00315

Connecticut Department of Transportation





STAGE 1A INCLUDES RELOCATIONS OF TPCBC AND TEMP. CHAIN LINK FENCE TO OPEN THE TEMPORARY BRIDGE SIDEWALK AND CONSTRUCT THE TEMPORARY BARRIER SUPPORT ON EXISTING BRIDGE.

CONSTRUCTION STAGING

1. SEE BRIDGE STAGE CONSTRUCTION PLANS FOR WATER HANDLING & STAGED BRIDGE CONSTRUCTION SCHEDULE AND DETAILS.
2. SEE DRAINAGE PLANS FOR TEMPORARY & PERMANENT DRAINAGE INFORMATION.
3. SEE TRAFFIC SIGNAL PLANS FOR STAGE CONSTRUCTION SIGNAL MODIFICATIONS.
4. SEE CONSTRUCTION STAGE 1 PLAN, DWG. NO. TR-02 FOR CONSTRUCTION STAGING NOTES, IMPACT ATTENUATOR DETAIL, LEGEND AND SIGN LEGEND.

STAGE 1A

1. RELOCATE TEMPORARY CHAIN LINK FENCE AND OPEN PEDESTRIAN ACCESS ON THE TEMPORARY BRIDGE.
2. TEMPORARY RELOCATION OF TELEPHONE CABLES IN 4" CONDUIT.
3. RELOCATE TPCBC AND COMPLETE CONSTRUCTION OF TEMPORARY BARRIER SUPPORT ON EXISTING BRIDGE (SEE DWG NO. S-11) AND INSTALLATION OF TPCBC- STRUCTURE.
4. COMPLETE CONSTRUCTION OF TEMPORARY ROAD.

STAGE 2

(DURATION LIMITED TO 12 HOURS - SEE SPECIAL PROVISIONS SECTION 1.08 - PROSECUTION & PROGRESS AND NTC - STAGE 2 CONSTRUCTION)

1. INSTALL TEMPORARY PRECAST CONCRETE BARRIERS, IMPACT ATTENUATOR SYSTEMS, TEMPORARY PAVEMENT MARKINGS, AND SIGNAGE PER PLANS AND SPECIFICATIONS.
2. POLICE OFFICERS AND FLAGGERS SHALL BE USED FOR TRAFFIC CONTROL DURING THIS STAGE TO MAINTAIN TRAFFIC ON ONE EASTBOUND AND ONE WESTBOUND LANE.
3. SHIFT TRAFFIC TO THE TEMPORARY BRIDGE AND ROAD.
4. COMPLETE STAGE 2 STRUCTURE CONSTRUCTION (SEE DWG. NO. S-12).
5. COMPLETE REMAINING ROADWAY CONSTRUCTION REQUIRED FOR STAGE 3 TRAFFIC.

ALL TEMPORARY PAVEMENT MARKINGS SHOWN TO BE INSTALLED FOR STAGE 2 WILL REMAIN FOR USE IN STAGE 3. DUE TO THE SHORT DURATION OF STAGE 2, TEMPORARY PAVEMENT MARKINGS MAY NOT BE REQUIRED AND THEIR INSTALLATION MAY BE DELAYED UNTIL THE END OF STAGE 2 FOR USE IN STAGE 3.

NOTE: ALL PROPOSED TEMPORARY AND PERMANENT UTILITY RELOCATIONS SHOWN ARE APPROXIMATE AND REQUIRE COORDINATION WITH UTILITY COMPANIES.

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Pulled Date: 5/1/2018

DESIGNED/DRAWN BY: D. LORD
CHECKED BY: M. ZESSIN
SCALE IN FEET 0 30 60
SCALE 1"=30'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...06.02.-W.MSI-.0125.0367.@00315.STG-02.dgn

SIGNATURE/ BLOCK:

PROJECT TITLE: REPLACEMENT OF BRIDGE NO. 00315 U.S. ROUTE 1 OVER NOROTON RIVER

TOWN: STAMFORD AND DARIEN

DRAWING TITLE: CONSTRUCTION STAGE 2

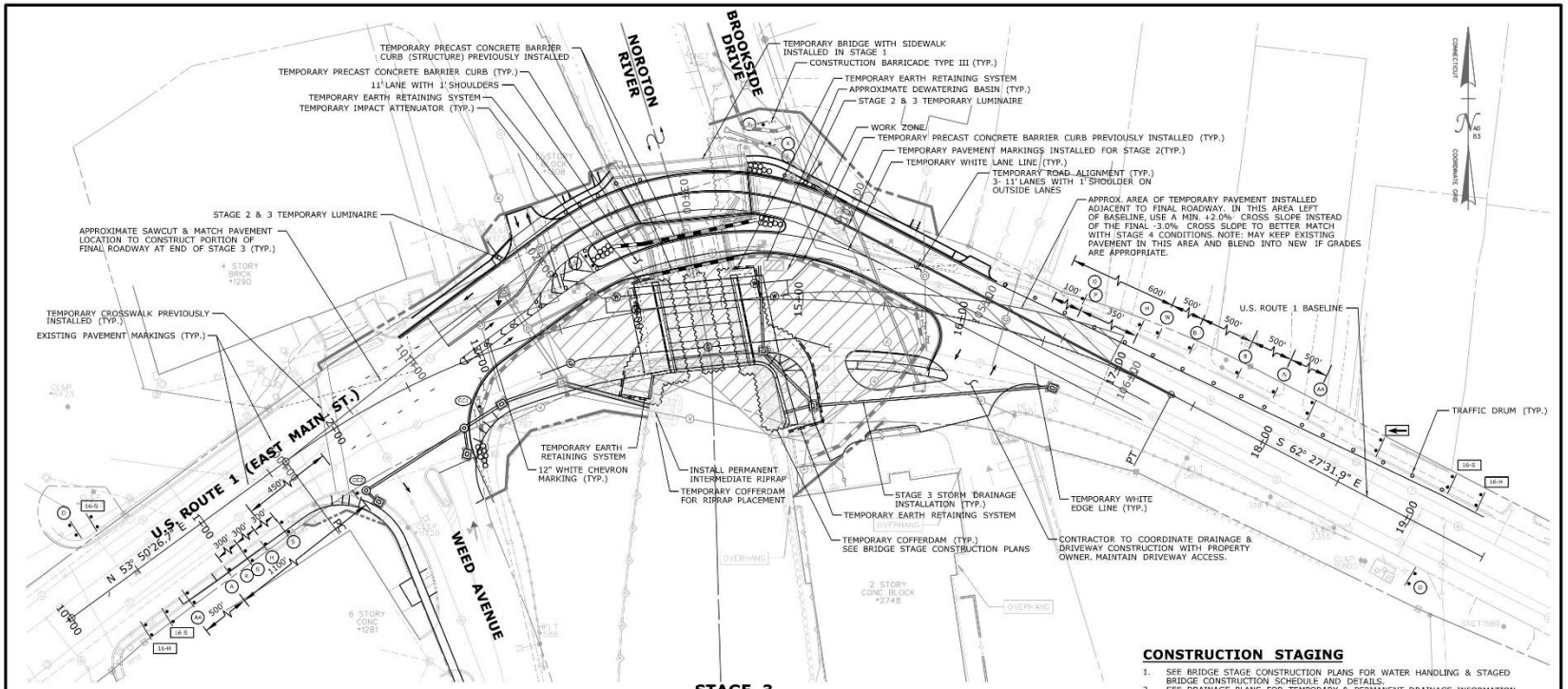
PROJECT NO. 135-307
DRAWING NO. TR-03
SHEET NO. 06.03

Border Version: 11/14/08

Construction Stages

Bridge No. 00315

Connecticut Department of Transportation



STAGE 3

CONSTRUCTION STAGING

1. SEE BRIDGE STAGE CONSTRUCTION PLANS FOR WATER HANDLING & STAGED BRIDGE CONSTRUCTION SCHEDULE AND DETAILS.
2. SEE DRAINAGE PLANS FOR TEMPORARY & PERMANENT DRAINAGE INFORMATION.
3. SEE TRAFFIC SIGNAL PLANS FOR STAGE CONSTRUCTION SIGNAL MODIFICATIONS.
4. SEE CONSTRUCTION STAGE 1 PLAN, DWG. NO. TR-02 FOR CONSTRUCTION STAGING NOTES, IMPACT ATTENUATOR DETAIL, LEGEND AND SIGN LEGEND.

STAGE 3

1. INSTALL TEMPORARY PRECAST CONCRETE BARRIERS, IMPACT ATTENUATOR SYSTEMS, TEMPORARY PAVEMENT MARKINGS, SIGNAGE AND TEMPORARY TRAFFIC SIGNAL PER PLANS AND SPECIFICATIONS.
2. OPEN SECOND EASTBOUND LANE ACROSS THE EXISTING BRIDGE.
3. INSTALL TEMPORARY EARTH RETAINING SYSTEMS.
4. COMPLETE STAGE 3 STRUCTURE CONSTRUCTION (SEE DWG. NO. S-13).
5. INSTALL STAGE 3 STORM DRAINAGE AND REMOVE TEMPORARY STORM DRAINAGE.
6. INSTALL RELOCATED WATER, GAS AND TELEPHONE RELOCATIONS COMPLETED.
7. REMOVE TEMPORARY EARTH RETAINING SYSTEMS.
8. CONSTRUCT STAGE 3 ROADWAY INCLUDING INTERSECTION WITH WEED AVENUE TO TOP OF FIRST HMA S0.5 LIFT. BLEND INTO EXISTING AREAS TO REMAIN FOR STAGE 4. SEE GRADING DETAIL ON DWG. NO. TR-05.
9. COMPLETE WEED AVENUE CONSTRUCTION TO TOP OF FIRST HMA S0.5 LIFT.
10. INSTALL BRIDGE RAIL AND GUIDE RAILING ON SOUTH SIDE OF ROAD.
11. INSTALL SIDEWALKS ON SOUTH SIDE OF ROAD AND ON WEED AVENUE.

NOTE: ALL PROPOSED TEMPORARY AND PERMANENT UTILITY RELOCATIONS SHOWN ARE APPROXIMATE AND REQUIRE COORDINATION WITH UTILITY COMPANIES.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS AND IS BELIEVED TO BE ACCURATE, BUT IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 5/1/2018

DESIGNED/DRAWN BY: D. LORD
CHECKED BY: M. ZESSIN
SCALE IN FEET 0 30 60
SCALE 1"=30'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\03.04.HW.MBH.0125.0207.B00215.STG-03.dgn

SIGNATURE/BLOCK:

PROJECT TITLE: REPLACEMENT OF BRIDGE NO. 00315 U.S. ROUTE 1 OVER NOROTON RIVER

TOWN: STAMFORD AND DARIEN

DRAWING TITLE: CONSTRUCTION STAGE 3

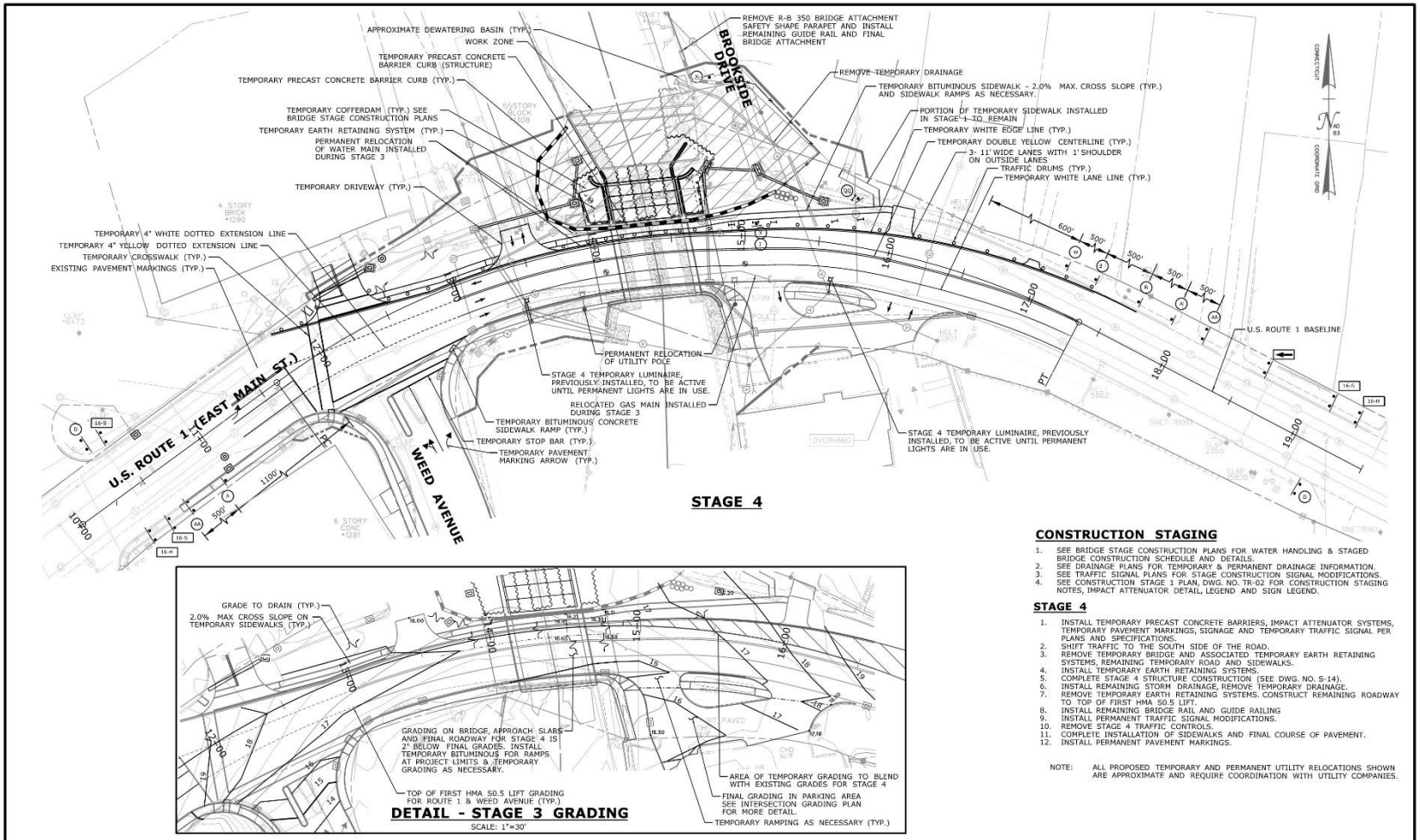
PROJECT NO. 135-307
DRAWING NO. TR-04
SHEET NO. 06.04

Border Version: 11/14/08

Construction Stages

Bridge No. 00315

Connecticut Department of Transportation



CONSTRUCTION STAGING

1. SEE BRIDGE STAGE CONSTRUCTION PLANS FOR WATER HANDLING & STAGED BRIDGE CONSTRUCTION SCHEDULE AND DETAILS.
2. SEE DRAINAGE PLANS FOR TEMPORARY & PERMANENT DRAINAGE INFORMATION.
3. SEE TRAFFIC SIGNAL PLANS FOR STAGE CONSTRUCTION SIGNAL MODIFICATIONS.
4. SEE CONSTRUCTION STAGE 1 PLAN, DWG. NO. TR-02 FOR CONSTRUCTION STAGING NOTES, IMPACT ATTENUATOR DETAIL, LEGEND AND SIGN LEGEND.

STAGE 4

1. INSTALL TEMPORARY PRECAST CONCRETE BARRIERS, IMPACT ATTENUATOR SYSTEMS, TEMPORARY PAVEMENT MARKINGS, SIGNAGE AND TEMPORARY TRAFFIC SIGNAL PER PLANS AND SPECIFICATIONS.
2. SHIFT TRAFFIC TO THE SOUTH SIDE OF THE ROAD.
3. REMOVE TEMPORARY BRIDGE AND ASSOCIATED TEMPORARY EARTH RETAINING SYSTEMS, REMAINING TEMPORARY ROAD AND SIDEWALKS.
4. INSTALL TEMPORARY EARTH RETAINING SYSTEMS.
5. COMPLETE STAGE 4 STRUCTURE CONSTRUCTION (SEE DWG. NO. S-14).
6. INSTALL REMAINING STORM DRAINAGE, REMOVE TEMPORARY DRAINAGE.
7. REMOVE TEMPORARY EARTH RETAINING SYSTEMS. CONSTRUCT REMAINING ROADWAY TO TOP OF FIRST HMA S0.5 LIFT.
8. INSTALL REMAINING BRIDGE RAIL AND GUIDE RAILING
9. INSTALL PERMANENT TRAFFIC SIGNAL MODIFICATIONS.
10. REMOVE STAGE 4 TRAFFIC CONTROLS.
11. COMPLETE INSTALLATION OF SIDEWALKS AND FINAL COURSE OF PAVEMENT.
12. INSTALL PERMANENT PAVEMENT MARKINGS.

NOTE: ALL PROPOSED TEMPORARY AND PERMANENT UTILITY RELOCATIONS SHOWN ARE APPROXIMATE AND REQUIRE COORDINATION WITH UTILITY COMPANIES.

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SCALE IN FEET 0 30 60
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STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...03.02.HW.MBH.G125.0207.B00315.STG-04.dgn

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TOWN: STAMFORD AND DARIEN

DRAWING TITLE: CONSTRUCTION STAGE 4

PROJECT NO. 135-307
DRAWING NO. TR-05
SHEET NO. 06.05

Border Version: 11/14/08

Construction Stages

Bridge No. 00315

Connecticut Department of Transportation