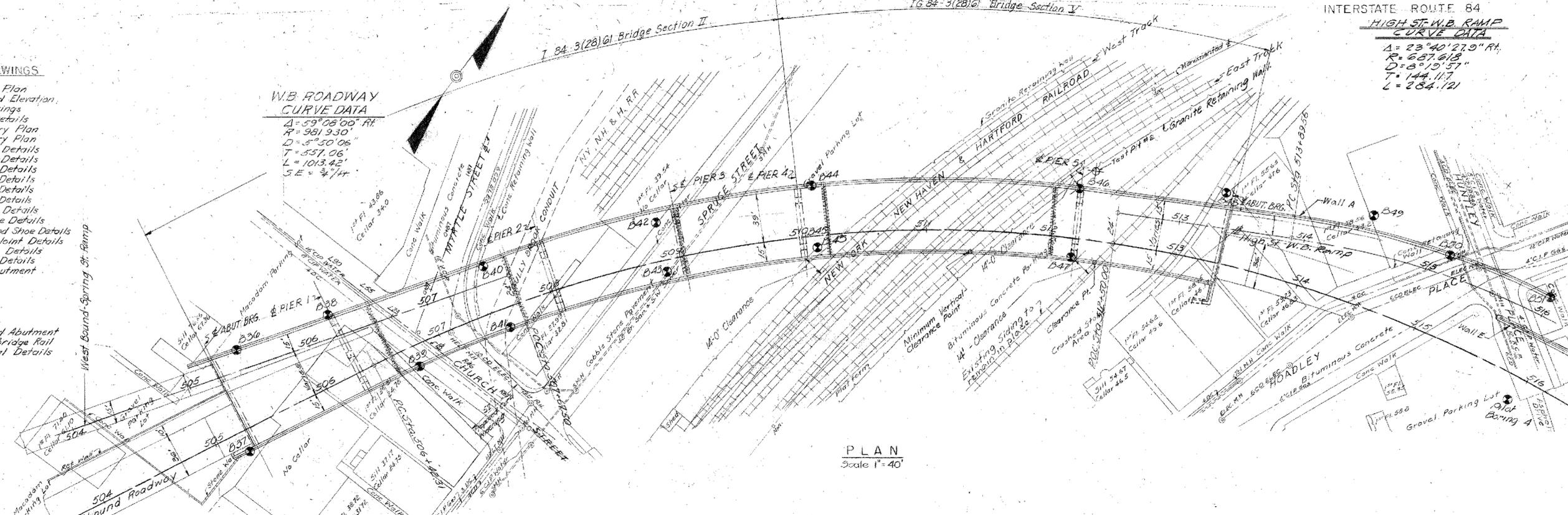


LIST OF DRAWINGS

1. General Plan
2. Plan and Elevation
3. Test Borings
4. Deck Details
5. Geometry Plan
6. Geometry Plan
7. Span 1 - Details
8. Span 2 - Details
9. Span 3 - Details
10. Span 4 - Details
11. Span 5 - Details
12. Span 6 - Details
13. Typical Details
14. Drainage Details
15. Splice and Shoe Details
16. Finger Joint Details
17. Bracing Details
18. Hanger Details
19. Rear Abutment
20. Pier 1
21. Pier 2
22. Pier 3
23. Pier 4
24. Pier 5
25. Forward Abutment
26. Metal Bridge Rail
27. Electrical Details

W.B. ROADWAY CURVE DATA

$\Delta = 59^{\circ}08'00''$ RH
 $R = 981.930'$
 $D = 5^{\circ}50'06''$
 $T = 557.06'$
 $L = 1013.42'$
 $SE = \frac{1}{4} \text{ MI}$



PLAN
Scale 1" = 40'

GENERAL NOTES

Specifications: Connecticut State Highway Department Form 808 (Jan. 1955) and Special Provisions.
 Design Specifications: Std. Spec. for Hwy. Bridges (A.A.S.H.O.-1957) except as modified by the Bureau of Public Roads "Policy on Interstate System Projects" (Aug. 1956) and as supplemented by the Conn. State Hwy. Dept. Bridge Manual July 1960.
 Class "A" Concrete: Class "A" Concrete shall be used through out. See Special Provisions.
 Deformed Steel Bars: For grades of deformed steel bars. See Special Provisions.
 Exposed Edges: Exposed edges shall be beveled 1"x1" unless noted otherwise.
 Structural Steel: Flanges, webs, and splice material for welded girders shall conform to A.S.T.M., A 373, except as noted under "Structural Steel (Low Alloy)". All other parts shall conform to A.S.T.M., A 373 unless otherwise noted. See Special Provisions.
 Live Load: H-20-S16-44, Alternate, 24,000# dual axle @ 4'-0" o.c.
 All shop butt welds in top and bottom flanges and web shall be radiographed. See Special Provisions.
 All flange to web fillet welds shall be inspected in their entirety by the magnetic particle method. See Special Provisions.
 Field butt welds in web and top and bottom flange will not be permitted.
 Field Splices shall be made with high strength bolts. See Special Provisions.
 All stiffeners shall be truly vertical.
 A combination temporary and permanent embankment is to be constructed at the location for both abutments. Structure excavation of temporary portion of embankment and driving of piles for both abutments, wingwalls of Rear Abutment, and Pier #5 shall not be made for a period of four months after the completion of the embankment. For structure excavation the top of the temporary embankment shall be considered as existing ground. (See notes on profile, cross sections and Special Provisions.)

Painting: For shop and field painting of Structural Steel and Metal Bridge Rail. See Special Provisions.
 Joint Seal: Joint Seal shall be included in the item for Class "A" Concrete. See Special Provisions.
 Felt: The cost of furnishing and placing 2 layers of #15 roofing felt on top of backwalls shall be included in the item for Class "A" Concrete.
 Paraffin: The cost of furnishing and applying paraffin to the parapet joints shall be included in the item for Class "A" Concrete.
 Welding: Welding to conform to current spec. of the A.W.S. and as supplemented by Conn. State Hwy. Dept. Spec. 808.
 Future Paving Allowance: 25¢/sq. ft.
 Slab Design: Tentative AASHTO T 8(59).
 Inspection of Welds: See Special Provisions.
 Structural Steel (Low Alloy): Welded girder webs, flanges, and splice material in Span 5 shall conform to A.S.T.M., A 441. See Special Provisions.
 Welding (Low Alloy): For welding of Structural Steel (Low Alloy) See Special Provisions.
 Any additional shop splices as requested by the contractor and radiographing of such splices shall be at no expense to the state.
 Top edge of girder web lbs. in each line of girders shall be the reference line for detailing and shall be and unbroken line at Hangers.
 Where the structure(s) is to be founded on clay, 12" depth gravel fill shall be installed beneath all footings. For all other structures 12" depth gravel fill shall be installed beneath all footings, if so directed by the Engineer.
 All piles to be driven to refusal.
 Any optional field splices furnished by the contractor shall be at no additional cost to the state.
 For location of optional field splices see Plans.

QUANTITIES

Item	184 Bridge Sec. II	1684 Bridge Sec. V	Total	Unit
Structure Excavation (Complete)	138.1	84.8	222.9	C.Y.
6" Wrought Iron Pipe	439	193	632	L.F.
2" Wrought Iron Pipe		161	161	L.F.
Test Pile (Steel 12 BPS-60' long)	1		1	each
Test Pile (Steel 12 BPS-75' long)		2	2	each
Test Pile (Steel 12 BPTA-40' long)	1		1	each
Test Pile (Steel 12 BPTA-50' long)		1	1	each
Pile Loading Test (1/40 Tons)		1	1	each
Pile Loading Test (1/8 Tons)		1	1	each
Furnishing Steel Piles	404,907	110,834	515,741	Lbs.
Driving Steel Piles	7819	1498	9317	L.F.
Splicing Steel Piles	4	2	6	each
Paint Reinforcement for Steel Piles	3	2	5	each
Class "A" Concrete	1961	1393	3354	C.Y.
1/2" Preformed Expansion Joint Filler for Bridges	75	110	185	S.F.
Neoprene Pads for Bridge Expansion Joint	17	58	135	L.F.
Deformed Steel Bars	402,600	252,300	654,900	Lb.
Structural Steel	1,592,000	719,000	2,311,000	Lb.
Structural Steel (Low Alloy)		857,100	857,100	Lb.
Scupper (Type A)	3	2	5	ea.
Scupper (Type B)	5	3	8	ea.
Dampproofing	175	232	407	S.Y.
Metal Bridge Rail	1162	721	1883	L.F.
Gravel Fill	93	73	166	C.Y.
Pervious Structure Backfill	277	1511	1788	C.Y.
6" x 9" Granite Stone Curbing for Bridges	1226	686	1862	L.F.
6" x 9" Curved Granite Stone Curbing for Bridges	6		6	L.F.
2" Rigid Steel Conduit in Structure	600	480	1080	L.F.
18" x 18" x 10" Cast Iron Junction Box	2	2	4	each
Welded Steel (Finger Joint)	778	500	1278	each
CONCRETE DISTRIBUTION				
Superstructure	961	641	1602	C.Y.
Substructure	599	402	1001	C.Y.
Footings	401	350	751	C.Y.
TOTAL	1961	1393	3354	C.Y.

NO REVISIONS REQUIRED FOR THIS SHEET

FED AID PROJ 1-IG84-3 (28) 61

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 TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

CONNECTICUT STATE HIGHWAY DEPARTMENT
 TOWN OF HARTFORD
 INTERSTATE ROUTE 84
 WESTBOUND ROADWAY
 OVER
 CHURCH ST, SPRUCE ST
 & NY, NH & H R.R.
GENERAL PLAN

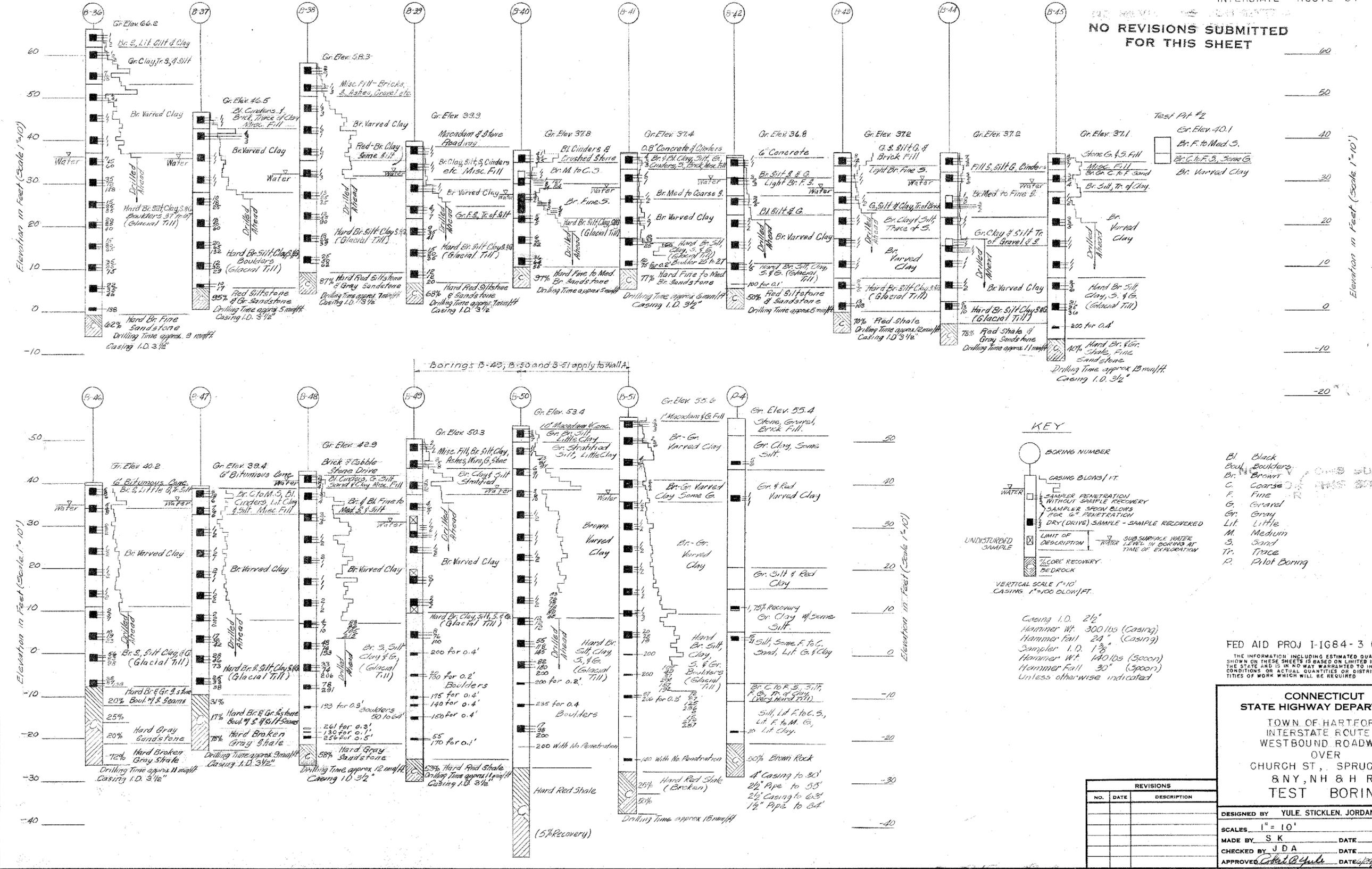
DESIGNED BY YULE, STICKLEN, JORDAN & MCNEE
 SCALES 1" = 40'
 MADE BY EAP
 CHECKED BY J M
 APPROVED Robert B. [Signature]
 PROJECT NO. 63-137
 BRIDGE SHEET NO. 1 OF 27

REVISIONS		
NO.	DATE	DESCRIPTION

FOR INFORMATION ONLY

INTERSTATE ROUTE 84

NO REVISIONS SUBMITTED FOR THIS SHEET



FED AID PROJ I-1684-3 (28) 61

CONNECTICUT
STATE HIGHWAY DEPARTMENT
TOWN OF HARTFORD
INTERSTATE ROUTE 84
WESTBOUND ROADWAY
OVER
CHURCH ST., SPRUCE ST
& NY, NH & H RR
TEST BORINGS

REVISIONS		
NO.	DATE	DESCRIPTION

DESIGNED BY YULE, STICKLEN, JORDAN & MCNEE
 SCALES 1" = 10'
 MADE BY S K
 CHECKED BY J D A
 APPROVED [Signature]

PROJECT NO. 63-137
 DATE
 BRIDGE SHEET NO. 3 OF 27

63-137

M266 07

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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.

Plotted Date: 5/26/2016

DESIGNER/DRAFTER: **MSF**
 CHECKED BY: **BSH**
 SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Signature/Block: [Signature]

PROJECT TITLE:
REHABILITATION OF BRIDGE NO. 01765 I-84 WESTBOUND OVER AMTRAK AND LOCAL ROADS

TOWN: **HARTFORD**

PROJECT NO. **63-101**
 DRAWING NO. **REF-02**
 SHEET NO. **03.07.03**

FOR INFORMATION ONLY