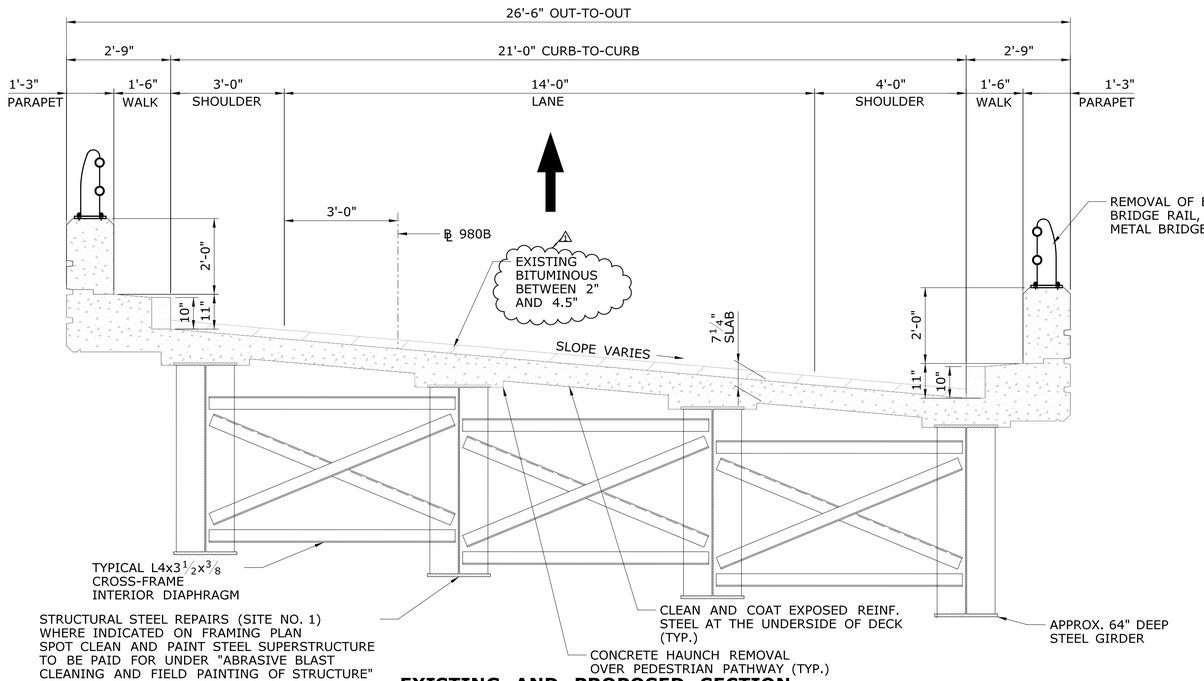

EXISTING AND PROPOSED SECTION

SCALE: ½" = 1'-0"

QUANTITIES		
ITEM	UNIT	QTY.
LEAD COMPLIANCE FOR ABRASIVE BLAST CLEANING AND MISCELLANEOUS TASKS	L.S.	L.S.
WATER RESCUE OPERATIONS	L.S.	L.S.
HANDLING AND DISPOSAL OF REGULATED ITEMS	EST.	EST.
1/2" PREFORMED EXPANSION JOINT FILLER	S.F.	6
JACKING EXISTING SUPERSTRUCTURE (SITE NO. 1)	L.S.	L.S.
TEMPORARY WORK PLATFORM	L.S.	L.S.
CLEAN EXISTING SCUPPERS	EA.	4
MODIFY SCUPPER	EA.	2
REMOVAL AND REPLACEMENT OF EXISTING BRIDGE DRAINAGE SYSTEM	L.F.	65
ELASTOMERIC CONCRETE HEADER	C.F.	9
ASPHALTIC PLUG EXPANSION JOINT SYSTEM	C.F.	95
PREFORMED JOINT SEAL	L.F.	154
BEARING REPLACEMENT WITH ELASTOMERIC BEARING PADS	EA.	11
CONSTRUCT CONCRETE KEEPER BLOCKS	EA.	2
SURFACE REPAIR CONCRETE	C.F.	540
PARAPET CONCRETE	L.F.	11
PARTIAL DEPTH PATCH	C.F.	325
EPOXY INJECTION CRACK REPAIR	L.F.	30
DEFORMED STEEL BARS - EPOXY COATED	LB	500
DRILLING HOLES AND GROUTING DOWELS	EA	40
CLEAN AND COAT EXPOSED REINFORCING STEEL	L.F.	50
STRUCTURAL STEEL	LB.	100
STRUCTURAL STEEL REPAIRS (SITE NO. 1)	C.W.T.	80
ABRASIVE BLAST CLEANING AND FIELD PAINTING OF BEAM ENDS (SITE NO. 1)	L.S.	L.S.
DISPOSAL OF LEAD DEBRIS FROM ABRASIVE BLAST CLEANING	TON	2
CLASS 1 CONTAINMENT AND COLLECTION OF SURFACE PREPARATION DEBRIS (SITE NO. 1)	L.S.	L.S.
REMOVAL OF GRANITE STONE CURBING	L.F.	10
PENETRATING SEALER PROTECTIVE COMPOUND	S.F.	315
TWO-TUBE BRIDGE RAIL	L.F.	680
REMOVAL OF EXISTING METAL BRIDGE RAIL	L.F.	700
CONCRETE HAUNCH REMOVAL	L.F.	505
STEEL JUNCTION BOX COVERS	EA	1

CONCRETE DISTRIBUTION		
SUPERSTRUCTURE (W/ SURFACE REPAIR)	C.Y.	3
SUBSTRUCTURE (W/ KEEPER BLOCKS)	C.Y.	21
TOTAL	C.Y.	24

INSPECTION OF FIELD WELDS		
METHODS	UNIT	QUANTITY
ULTRASONIC	INCH	-
MAGNETIC PARTICLE	FEET	40

GENERAL NOTES:

SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 817 WITH JULY 2018 SUPPLEMENTAL REVISIONS.

DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 8TH EDITION - 2017, AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL (2003).

ALLOWABLE DESIGN STRESSES:
ABUTMENT AND WALL CONCRETE..... BASED ON f'c = 3000 PSI
SURFACE REPAIR CONCRETE..... BASED ON f'c = 4000 PSI
PARAPET CONCRETE..... BASED ON f'c = 4000 PSI

REINFORCEMENT
(ASTM A615 GRADE 60) ..... Fy = 60000 PSI

FUTURE PAVING ALLOWANCE: NONE

BITUMINOUS CONCRETE OVERLAY: THIS SHALL CONSIST OF THREE COURSES. THE TOP COURSE SHALL BE 1.5" HMA S0.375 TRAFFIC LEVEL 2, THE MIDDLE COURSE SHALL BE A WEDGE COURSE BETWEEN 0" AND 2" OF HMA S0.5 TRAFFIC LEVEL 2, AND THE BASE COURSE SHALL BE 1" HMA S0.25 TRAFFIC LEVEL 2.

DIMENSIONS: WHEN DIMENSIONS ARE GIVEN TO LESS THAN THREE DECIMAL PLACES, THE OMITTED DIGITS SHALL BE ASSUMED TO BE ZEROS

CONCRETE NOTES:

REMAIN-IN-PLACE FORMS: THE USE OF REMAIN-IN-PLACE FORMS ON THIS STRUCTURE IS NOT ALLOWED.

PARAPET CONCRETE: PARAPET CONCRETE SHALL BE USED FOR THE CONCRETE PARAPET CAP AT BRIDGE 980A AND THE CURBS AT THE JOINT REPLACEMENTS.

ABUTMENT AND WALL CONCRETE: ABUTMENT AND WALL CONCRETE SHALL BE USED IN THE KEEPER BLOCKS.

JOINT SEAL: SEE SPEICAL PROVISION SECTION 6.01.

EXPOSED EDGES: EXPOSED EDGES OF CONCRETE SHALL BE BEVELED 1" x 1" UNLESS DIMENSIONED OTHERWISE.

CONCRETE COVER: ALL REINFORCEMENT SHALL HAVE TWO INCHES COVER UNLESS DIMENSIONED OTHERWISE.

REINFORCEMENT: ALL REINFORCEMENT SHALL BE ASTM A615 GRADE 60.

EPOXY COATED: EPOXY COATED REINFORCEMENT SHALL BE USED IN THE CONCRETE PARAPET CAP AND THE CONCRETE CURBS AT THE JOINT REPLACEMENTS.

PREFORMED EXPANSION JOINT FILLER: INSTALLED BETWEEN GRANITE AND CONCRETE CURBS AT DECK JOINTS.

CONSTRUCTION JOINTS: CONSTRUCTION JOINTS, OTHER THAN THOSE SHOWN ON THE PLANS WILL NOT BE PERMITTED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.

THE SPECIFIED CONCRETE STRENGTH USED IN DESIGN, F'c, OF THE CONCRETE COMPONENETS IS NOTED ABOVE. THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE IN THE CONSTRUCTED COMPONENTS SHALL CONFORM TO THE REQUIREMENT OF SECTION 6.01 CONCRETE FOR STRUCTURES.

THE FOLLOWING PAY ITEMS AND CONCRETE CLASSES ARE REQUIRED FOR CAST-IN-PLACE BRIDGE COMPONENTS:

ITEM	BRIDGE COMPONENTS	PCC CLASS
SURFACE REPAIR CONCRETE	ABUTMENT AND PIER WALL REPAIRS	PCC04481
PARAPET CONCRETE	PARAPET CAP	PCC04462
ABUTMENT AND WALL CONCRETE	KEEPER BLOCKS	PCC03340

STRUCTURE ELEVATIONS

ALL ELEVATIONS ARE ON THE NAVD88 DATUM. HOWEVER, THE CONTRACTOR SHOULD NOTE THAT ALL STRUCTURE FEATURE ELEVATIONS SHOWN ON THESE PLANS WERE CONVERTED TO THE NAVD88 DATUM FROM THE ORIGINAL CONSTRUCTION PLANS WHICH USED THE NGVD29 DATUM. STRUCTURE ELEVATIONS ARE THEREFORE APPROXIMATE AND ARE PROVIDED FOR REFERENCE ONLY.

NOTICE TO BRIDGE INSPECTORS

THE DEPARTMENT'S BRIDGE SAFETY PROCEDURES REQUIRE THIS BRIDGE TO BE INSPECTED FOR, BUT NOT LIMITED TO, ALL APPROPRIATE COMPONENTS INDICATED IN THE GOVERNING MANUALS FOR BRIDGE INSPECTION. ATTENTION MUST BE GIVEN TO INSPECTING THE FOLLOWING SPECIAL COMPONENTS AND DETAILS. (THE LISTING FOR COMPONENTS FOR SPECIFIC ATTENTION SHALL NOT BE CONSTRUED TO REDUCE THE IMPORTANCE OF INSPECTION OF ANY OTHER COMPONENT OF THE STRUCTURE.) THE FREQUENCY OF INSPECTION OF THIS STRUCTURE SHALL BE IN ACCORDANCE WITH THE GOVERNING MANUALS FOR BRIDGE INSPECTION, UNLESS OTHERWISE DIRECTED BY THE MANAGER OF BRIDGE SAFETY AND EVALUATION.

COMPONENT OR DETAIL	STRUCTURE SHEET REFERENCE
NONE	NONE

Stuart Harris, P.E.
Fuss & O'Neill
2019.12.12
16:27:03-05'00'

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	12/11/19	NOTES ADDED ABOUT BITUMINOUS BY ADDENDUM NO. 2	04.03.A2

Plotted Date: 12/12/2019

DESIGNER/DRAFTER: DLW
CHECKED BY: SH
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\S..03..SB..MSH..Br00980B..0063..0712..TYP..dgn

SIGNATURE/BLOCK:

FUSS & O'NEILL
146 Hartford Road
Manchester, CT 06040
(860)646-2469

PROJECT TITLE:
REHABILITATION OF BRIDGE NO. 00980B I-84 TR 826 OVER CONNECTICUT RIVER

TOWN: HARTFORD

DRAWING TITLE: TYPICAL CROSS SECTION

PROJECT NO. 063-712
DRAWING NO. S-03
SHEET NO. 04.03.A2