Supplementary Information

The following information is associated with Network Rail Standard:
NR CIV/SD/603 Rev A

Additional Content Access

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CAD Drawing

- CIV/SD/603

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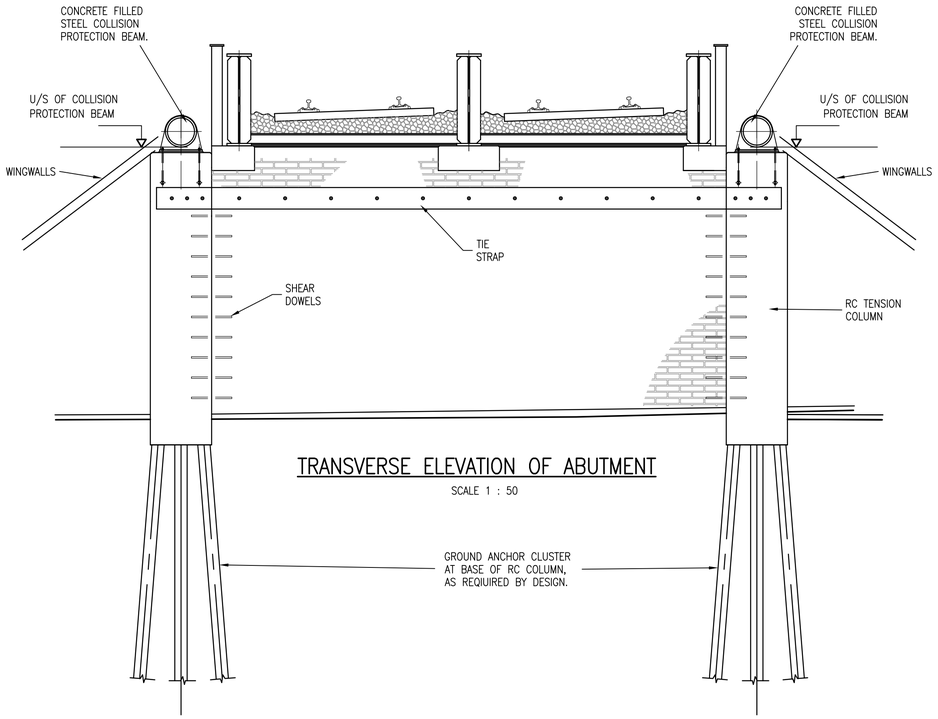
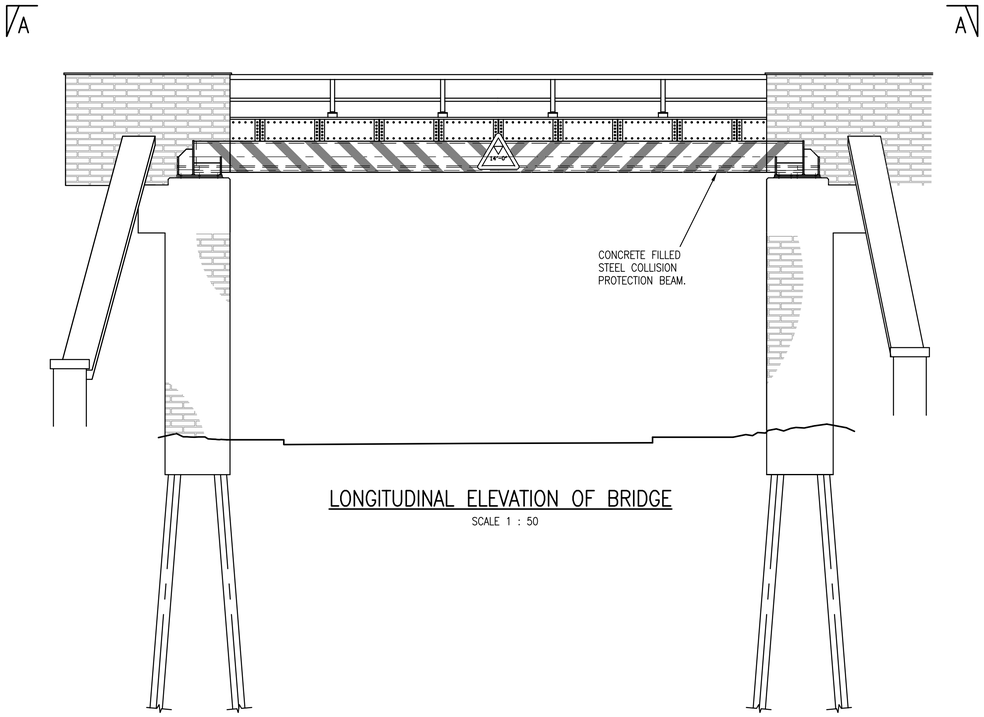


TRANSVERSE ELEVATION OF ABUTMENT

SCALE 1 : 50

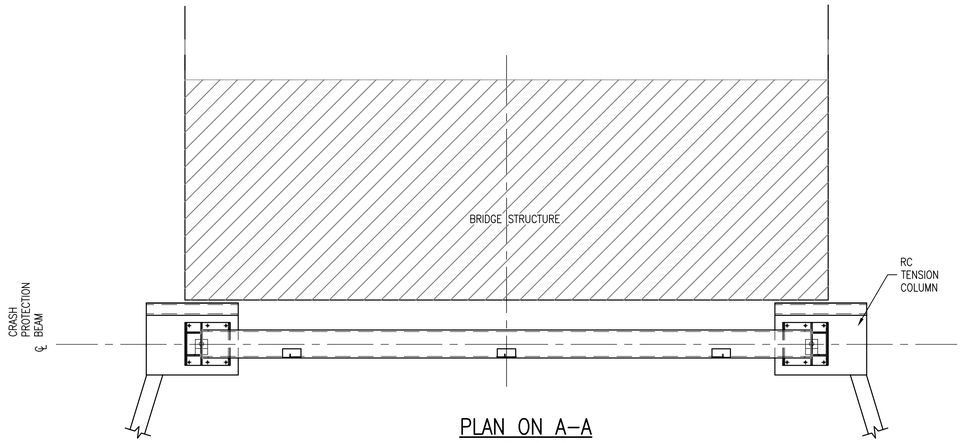


LONGITUDINAL ELEVATION OF BRIDGE

SCALE 1 : 50

CONNECTION ONTO ABUTMENT EXTENSIONS

(SAME DETAILS AS CONNECTION ONTO CILL BEAM)



PLAN ON A–A

SCALE 1 : 50

DRAWING No. NR/CIV/SD/603

NOTES

A GENERAL

A1. THIS DRAWING SHOWS A SOLUTION FOR AN ABUTMENT EXTENSION TO SUPPORT THE CPB. THIS SOLUTION CAN BE USED ON SMALLER BRIDGES WHERE THE ABUTMENT DOES NOT HAVE SUFFICIENT MASS TO RESIST THE UPLIFT FORCES.

A2. THE PARTICULAR SIZES AND CONFIGURATION USING GROUND ANCHORS IS SCHEMATIC ONLY AND THE DESIGNER SHALL DEVELOP AN APPROPRATE SCHEME FOR THE PARTICULAR APPLICATION.

B SPECIFICATION

B1. REFER TO DRAWING NR/CIV/SD/600

B2. CONCRETE FOR THE CILL BEAM SHALL BE REINFORCED CONCRETE DESIGNED IN ACCORDANCE WITH BS5400:PART 4 :1990

B3. CONCRETE SHALL BE IN ACCORDANCE WITH NR/GN/CIV/008 SECTION 80 AND BS 8500:2002.

C RISK ASSESSMENT

C1. REFER TO TABLE 1 ON DRAWING NR/CIV/SD/600

D INSTALLATION GUIDANCE

D1. REFER TO DRAWING NR/CIV/SD/600

E DESIGN ASSUMPTIONS

E1. REFER TO DRAWING NR/CIV/SD/600

E2. IT IS ASSUMED THAT THE EXISTING ABUTMENT AND ABUTMENT EXTENSIONS WILL ACT AS A COMPOSITE UNIT IN RESISTING THE APPLIED FORCES.

Rev	Date	Description of revision	Design'd	C'kd
A	31.03.08	FIRST ISSUE	HCHS	NGAY
P2	10.03.08	FORM B APPROVAL	HCHS	NGAY
P1	04.10.06	FORM A APPROVAL	GPR	NGAY

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Master copy with original signatures held by Network Rail HQ CIVIL ENGINEERING STANDARD DESIGN

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STRUCTURES MISCELLANEOUS

COLLISION PROTECTION BEAM ABUTMENT EXTENSION OPTION

Scale: AS SHOWN

Drawing Number: NR/CIV/SD/603

REV. A

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