## Manual

Structures Inspection Manual
Part 3 - Appendix C: Standard Component Identification
Schedule

September 2016



## Copyright



http://creativecommons.org/licenses/by/3.0/au/

© State of Queensland (Department of Transport and Main Roads) 2016

Feedback: Please send your feedback regarding this document to:

TMRStructuresInspectionManual@tmr.qld.gov.au

## **Figures**

Figure C1 – Typical PSC deck unit bridge 1	1
Figure C2 – Typical PSC deck unit bridge 2	2
Figure C3 – Typical PSC girder bridge	3
Figure C4 – Typical steel girder bridge	4
Figure C5 – Typical timber bridge	5
Figure C6 – Typical concete culverts	6
Figure C7 – Typical steel culverts	7
Figure C8 – Bridge railing/barrier	8
Figure C9 – Bridge kerbs and footways	9
Figure C10 – Deck joints, sheet 1 of 3	10
Figure C11 – Deck joints, sheet 2 of 3	11
Figure C12 – Deck joints, sheet 3 of 3	12
Figure C13 – Decks/slabs and steel decking, sheet 1 of 2	13
Figure C14 – Decks/slabs and steel decking, sheet 2 of 2	14
Figure C15 – Closed web/box girder	15
Figure C16 – Open girders	16
Figure C17 – Truss bridges	17
Figure C18 – Arches, sheet 1 of 2	18
Figure C19 – Arches, sheet 2 of 2	19
Figure C20 – Load bearing diaphragms	20
Figure C21 – Diaphragm/bracing	21
Figure C22 – Bearings, sheet 1 of 2	22
Figure C23 – Bearings, sheet 2 of 2	23
Figure C24 – Abutments, sheet 1 of 2	24
Figure C25 – Abutments, sheet 2 of 2	25
Figure C26 - Piers	26
Figure C27 – LTMS Structures, sheet 1 of 2	27
Figure C28 – LTMS Structures, sheet 2 of 2	28
Figure C29 – Retaining walls	29
Figure C30 – Terminology for suspended span bridges	30
Figure C31 – Terminology for pedestrian bridges	31
Figure C32 – Terminology for widened bridges	32
Figure C33 – Terminology for tunnels	33

Figure C1 - Typical PSC deck unit bridge 1

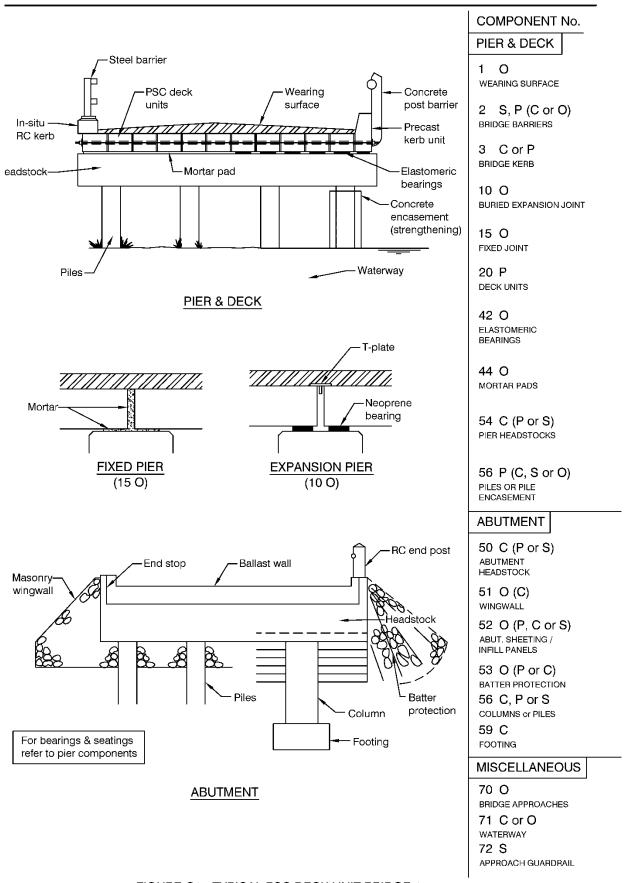


FIGURE C1 - TYPICAL PSC DECK UNIT BRIDGE 1

Figure C2 – Typical PSC deck unit bridge 2

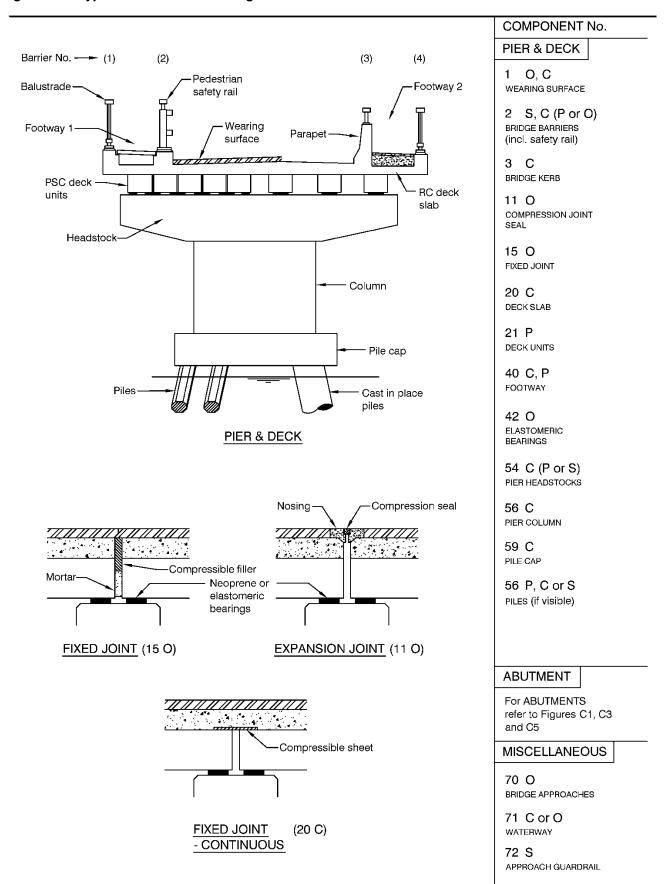


FIGURE C2 - TYPICAL PSC DECK UNIT BRIDGE 2

Figure C3 – Typical PSC girder bridge

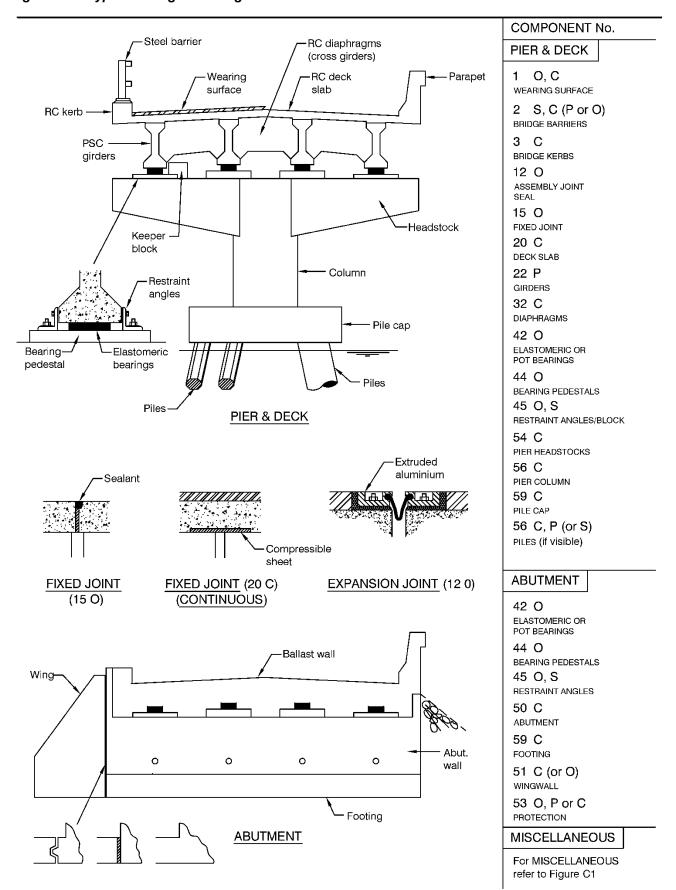


FIGURE C3 - TYPICAL PSC GIRDER BRIDGE

Figure C4 – Typical steel girder bridge

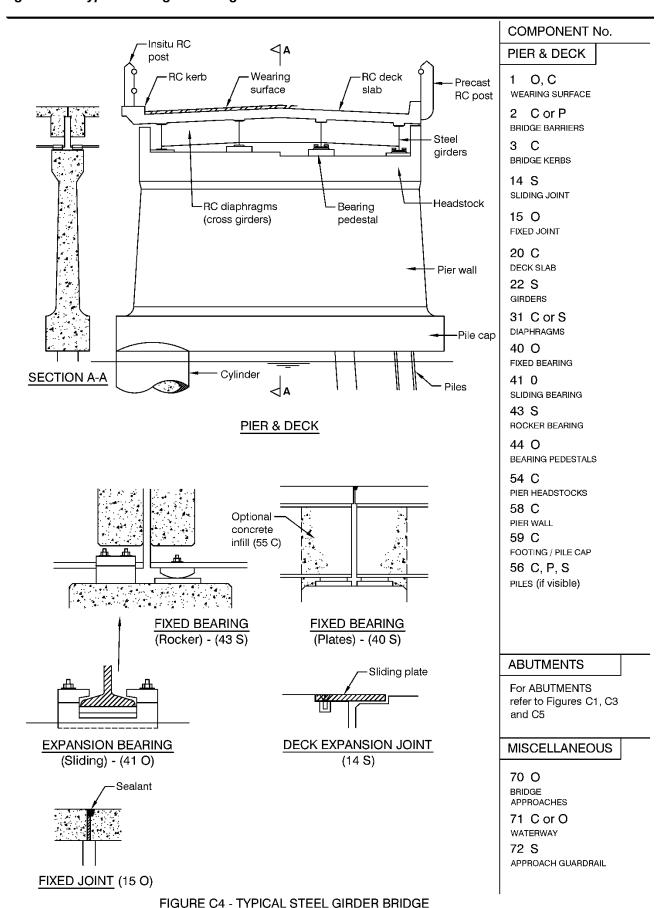


Figure C5 - Typical timber bridge

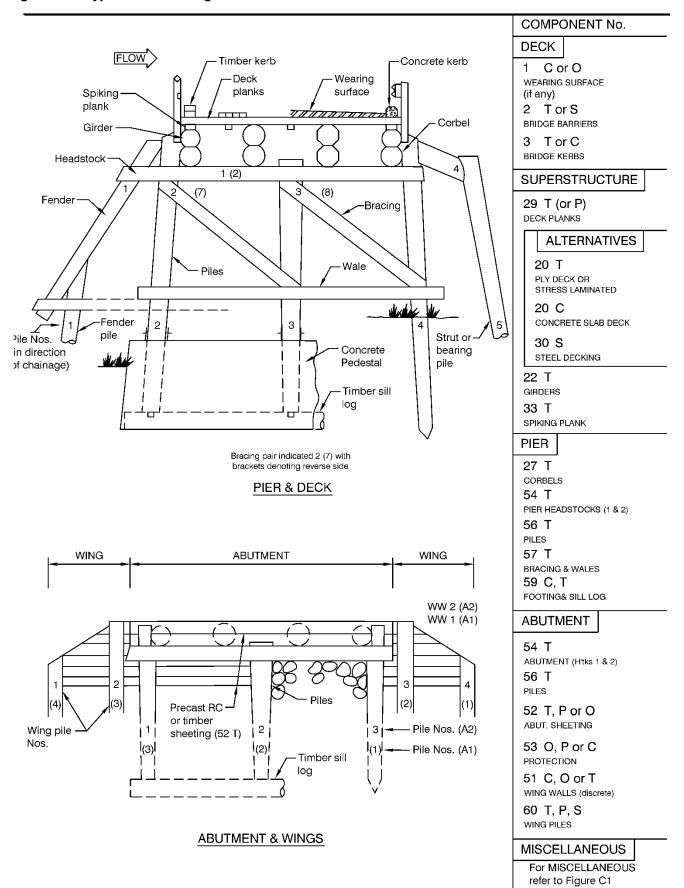


FIGURE C5 - TYPICAL TIMBER BRIDGE

Figure C6 - Typical concete culverts

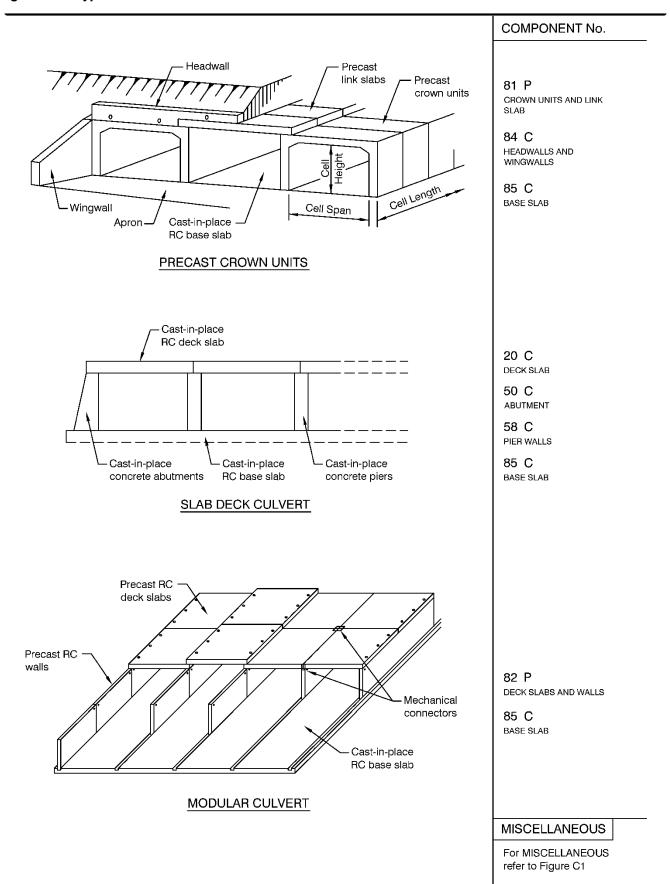


FIGURE C6 - TYPICAL CONCRETE CULVERTS

Figure C7 – Typical steel culverts

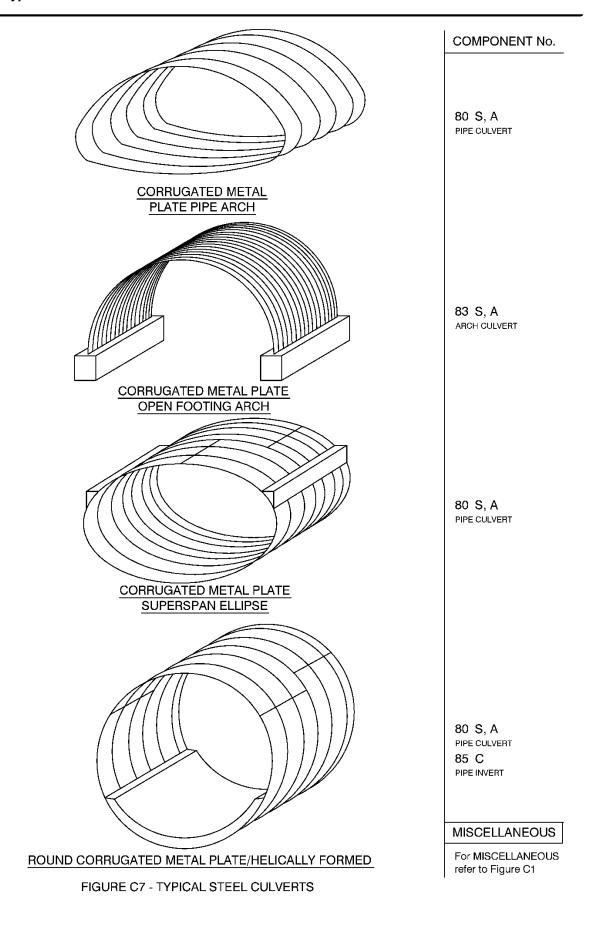


Figure C8 – Bridge railing/barrier

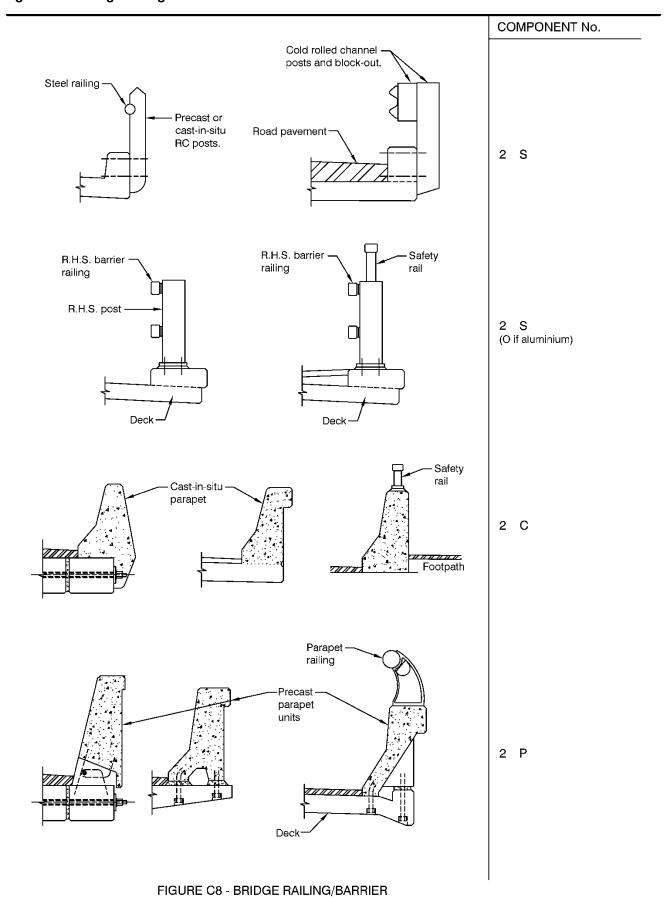


Figure C9 – Bridge kerbs and footways

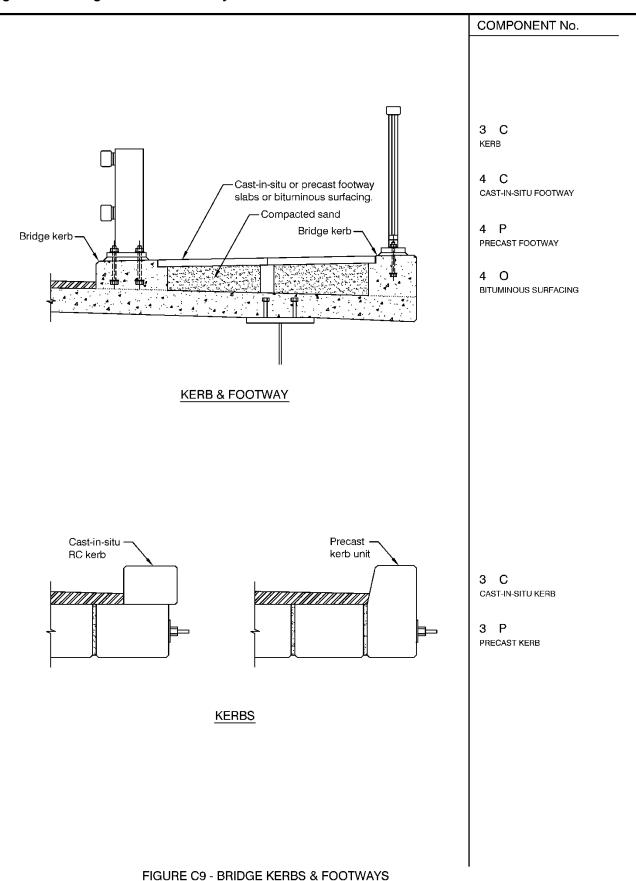


Figure C10 – Deck joints, sheet 1 of 3

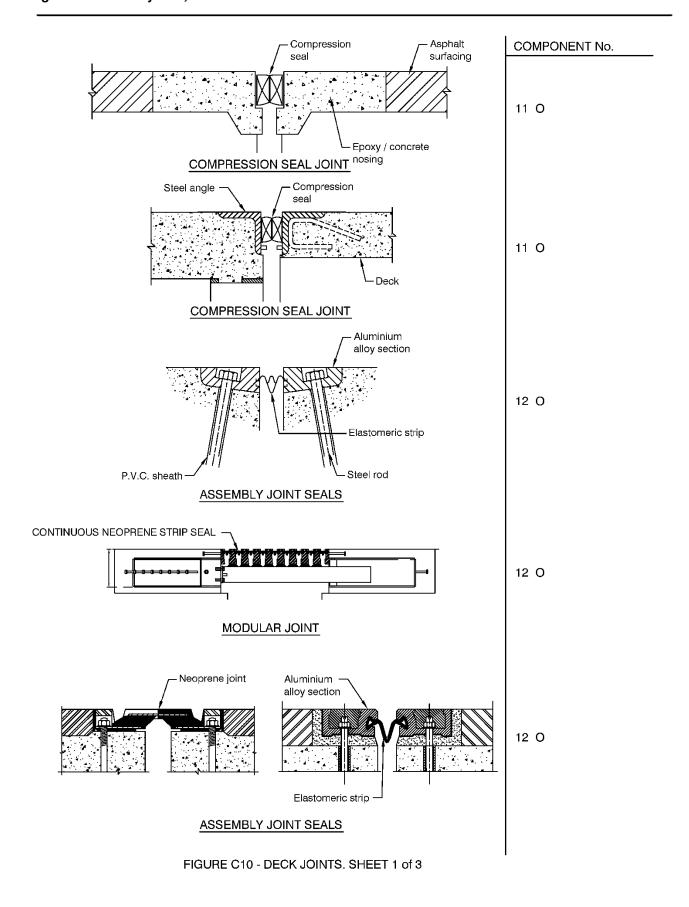


Figure C11 - Deck joints, sheet 2 of 3

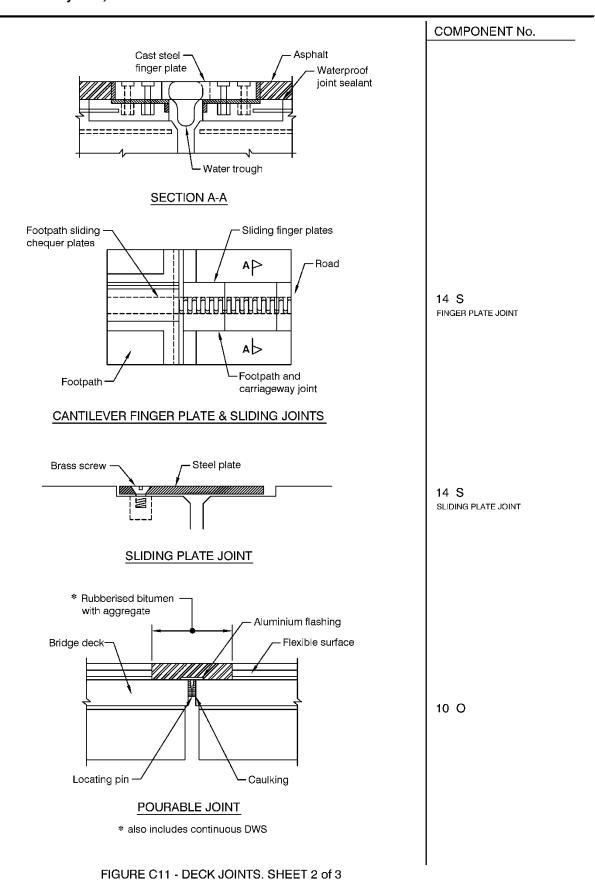


Figure C12 – Deck joints, sheet 3 of 3

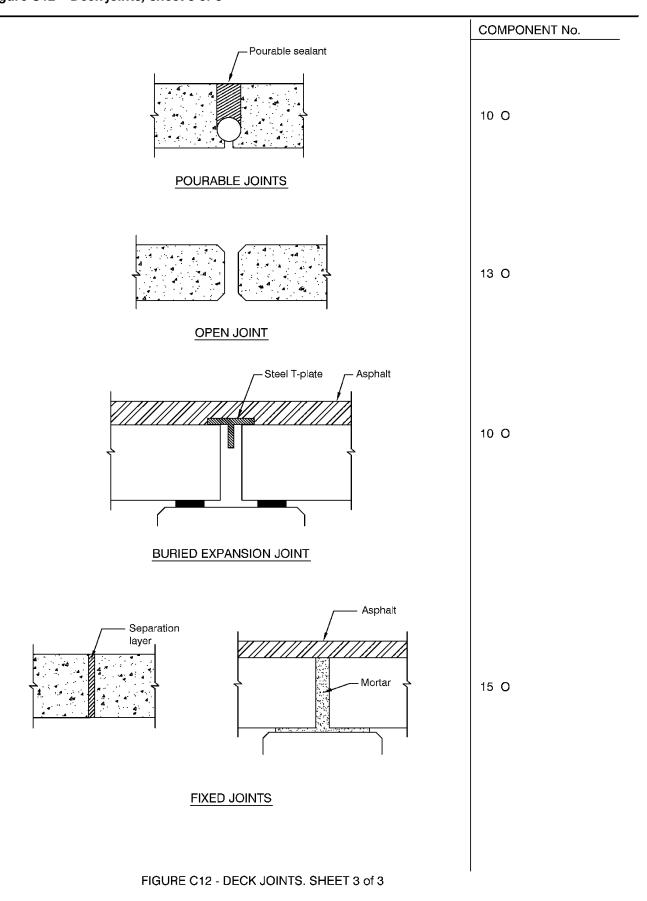


Figure C13 - Decks/slabs and steel decking, sheet 1 of 2

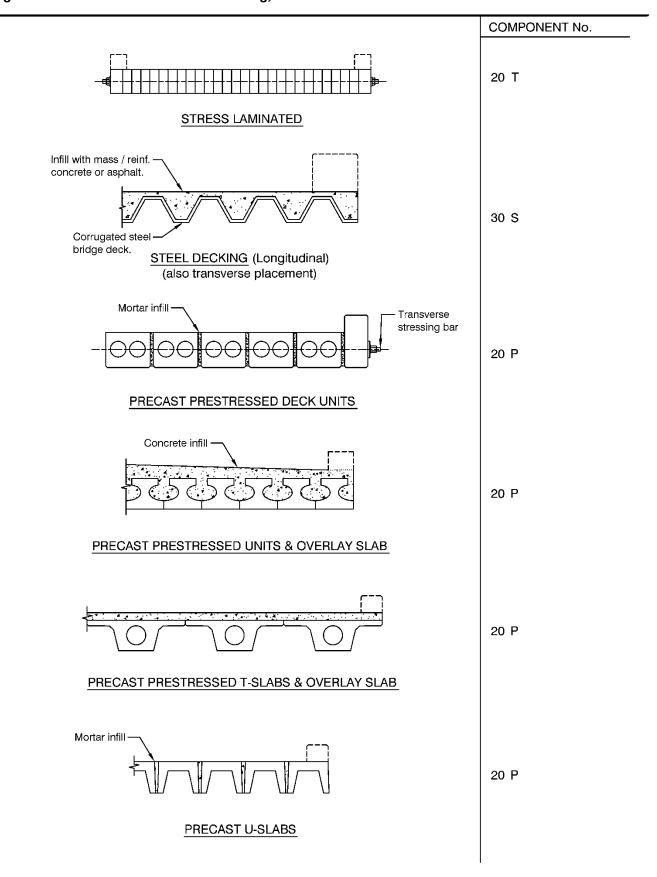


FIGURE C13 - DECKS/SLABS & STEEL DECKING. SHEET 1 of 2

Figure C14 – Decks/slabs and steel decking, sheet 2 of 2

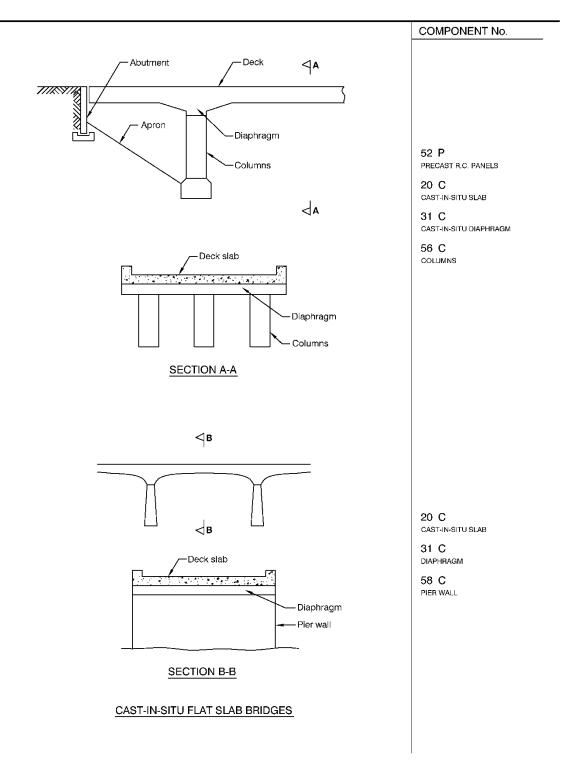


FIGURE C14 - DECKS/SLABS & STEEL DECKING. SHEET 2 of 2

Figure C15 - Closed web/box girder

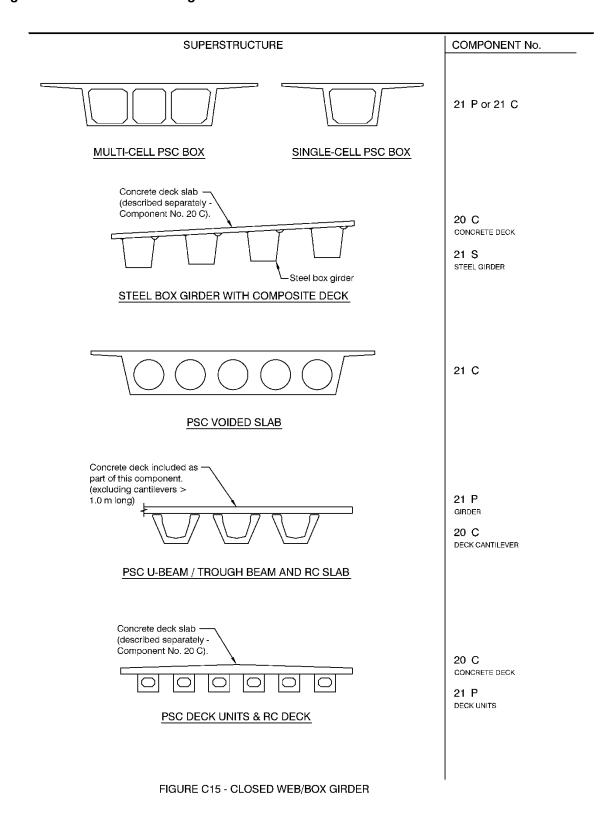


Figure C16 - Open girders

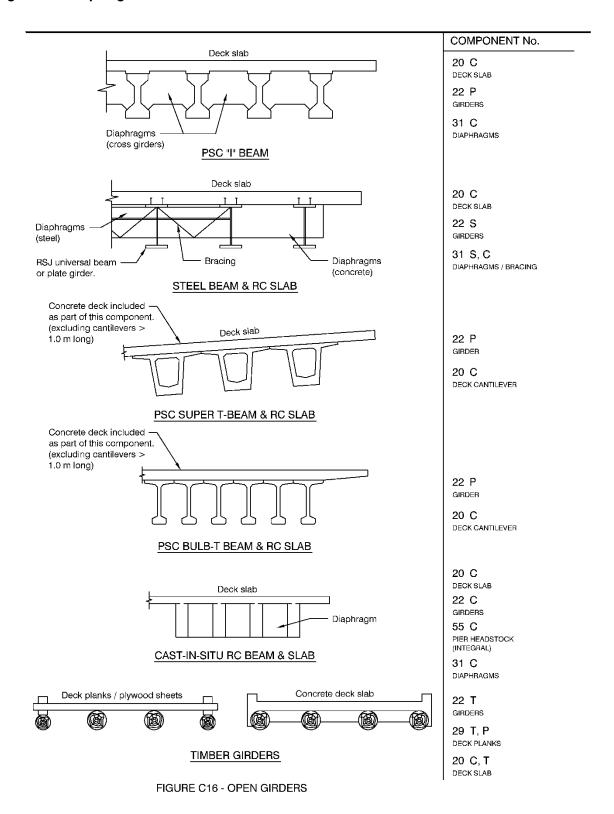


Figure C17 – Truss bridges

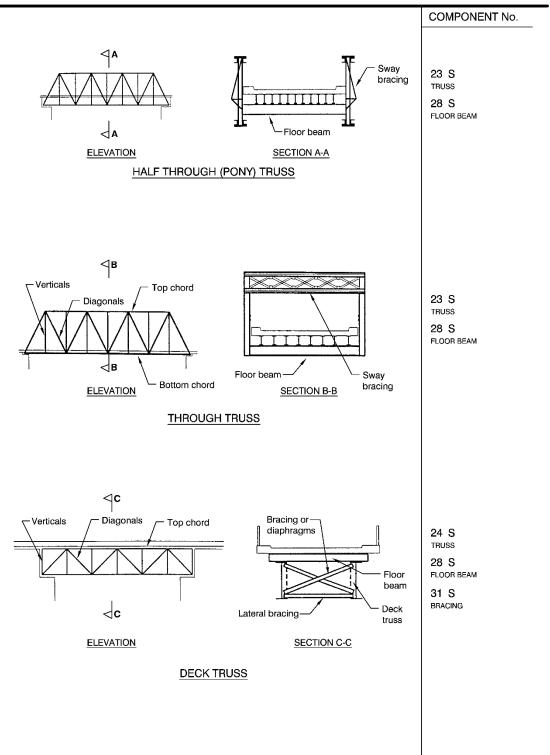


FIGURE C17 - TRUSS BRIDGES

Figure C18 – Arches, sheet 1 of 2

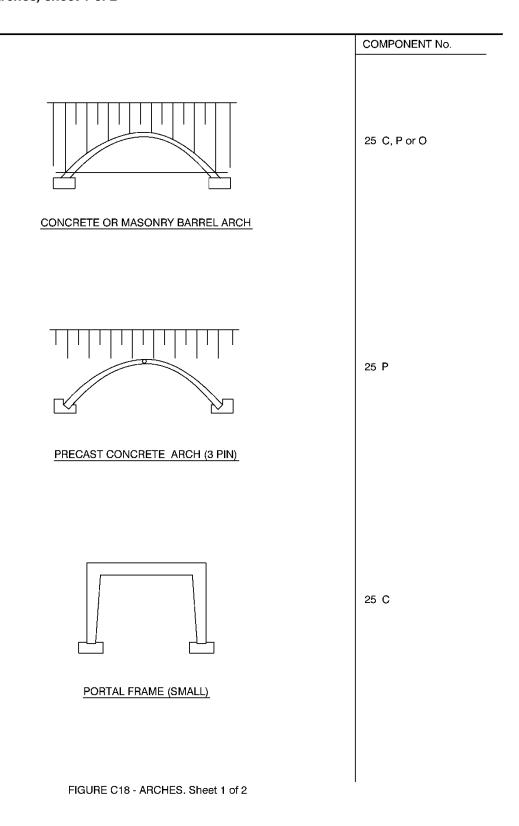


Figure C19 – Arches, sheet 2 of 2

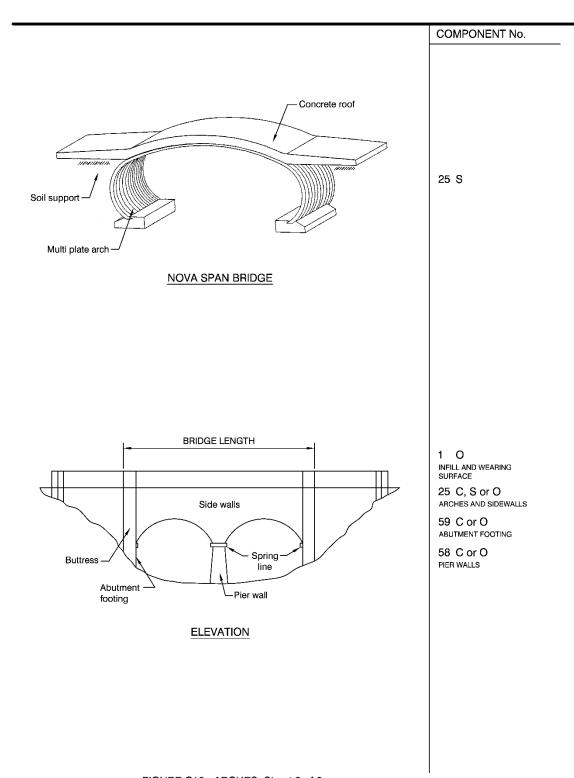


FIGURE C19 - ARCHES. Sheet 2 of 2

Figure C20 - Load bearing diaphragms

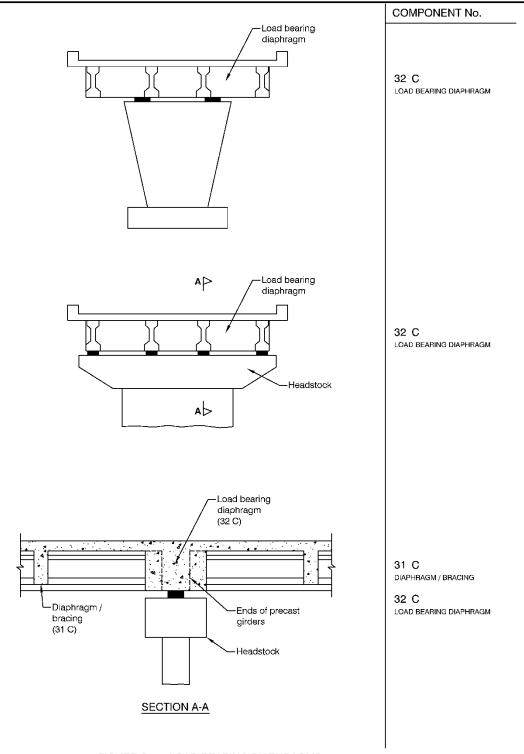


FIGURE C20 - LOAD BEARING DIAPHRAGMS

Figure C21 - Diaphragm/bracing

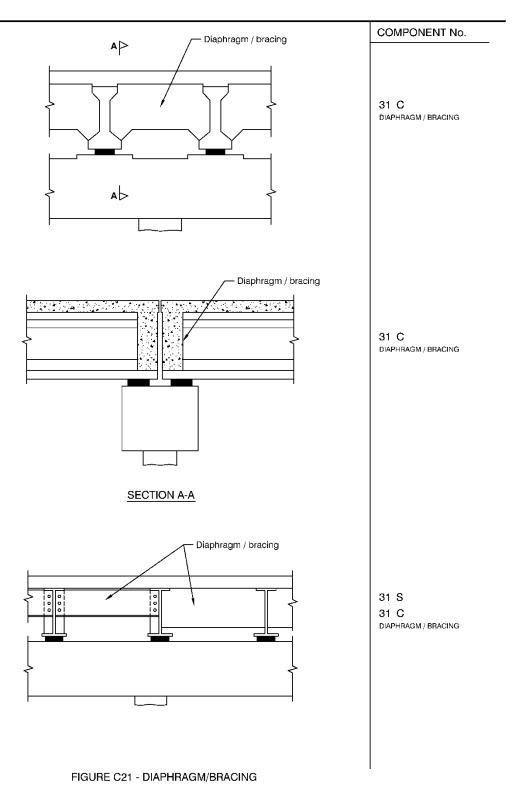


Figure C22 - Bearings, sheet 1 of 2

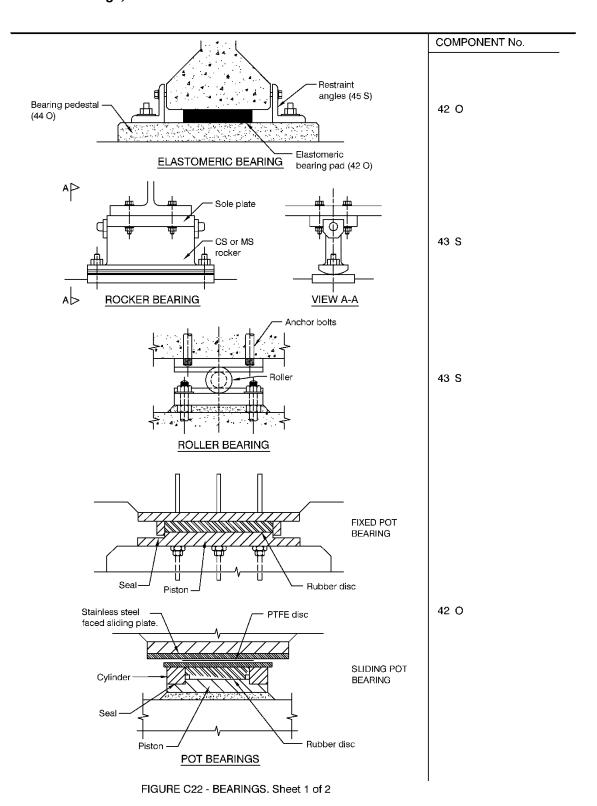


Figure C23 – Bearings, sheet 2 of 2

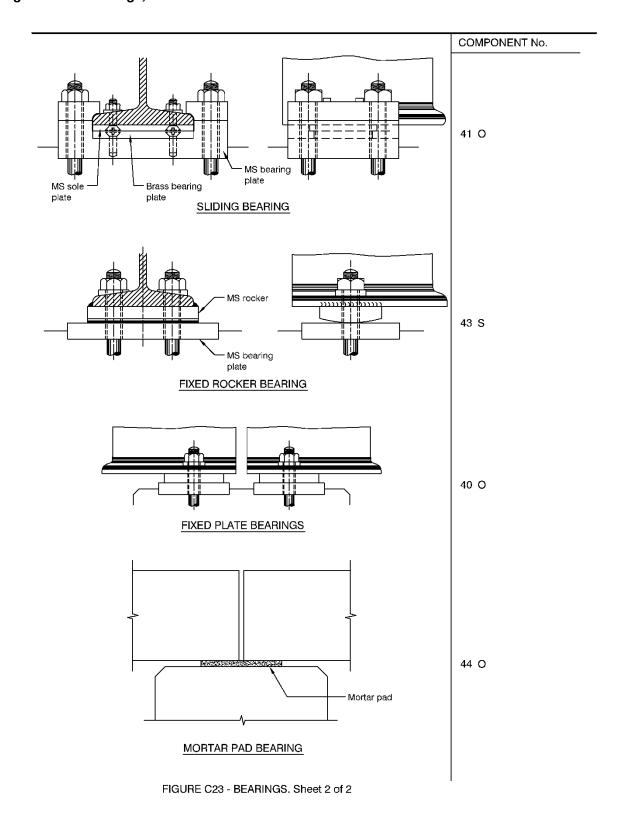


Figure C24 - Abutments, sheet 1 of 2

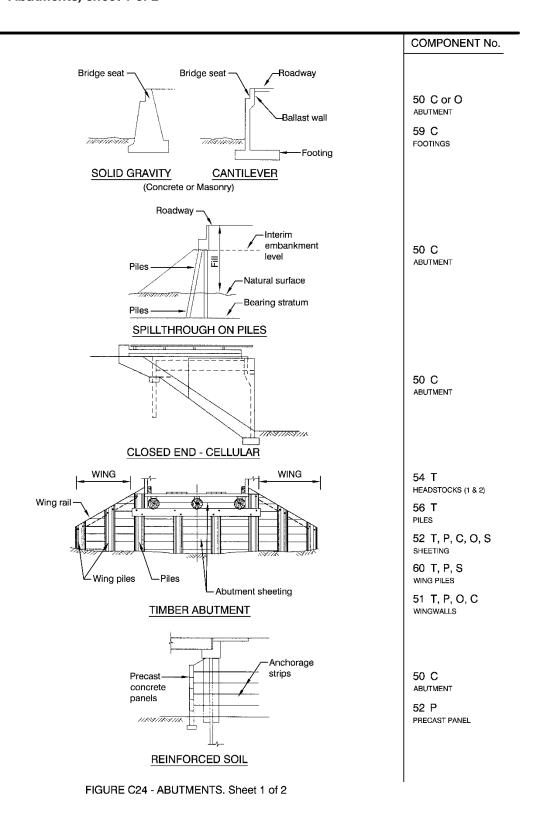


Figure C25 – Abutments, sheet 2 of 2

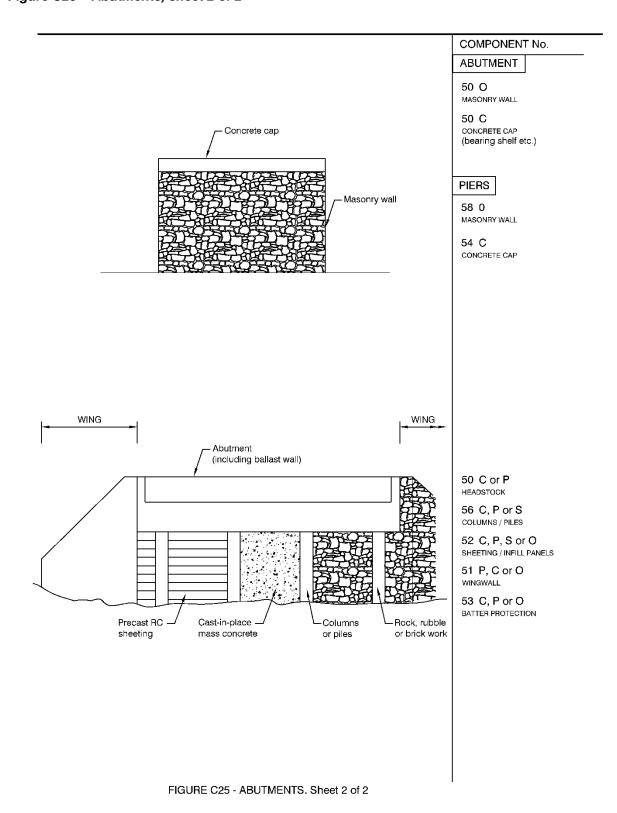


Figure C26 - Piers

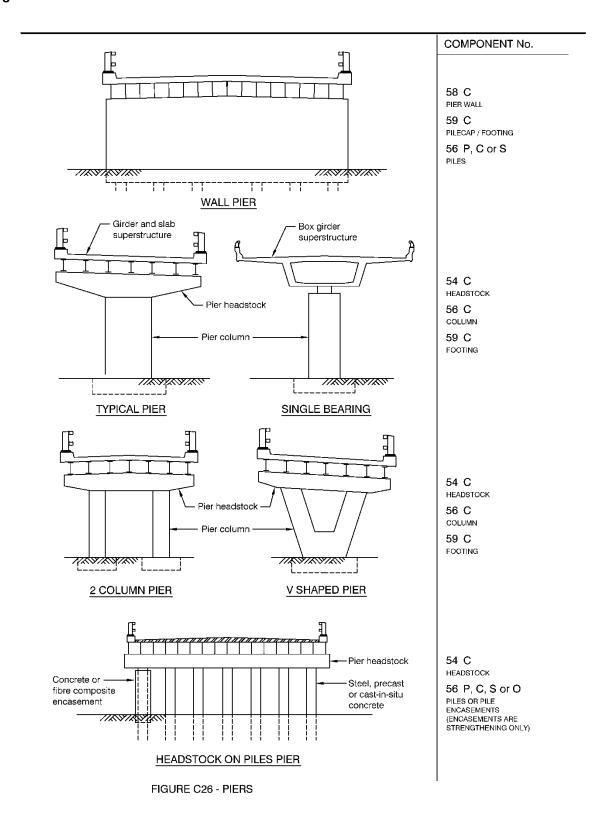


Figure C27 – LTMS Structures, sheet 1 of 2

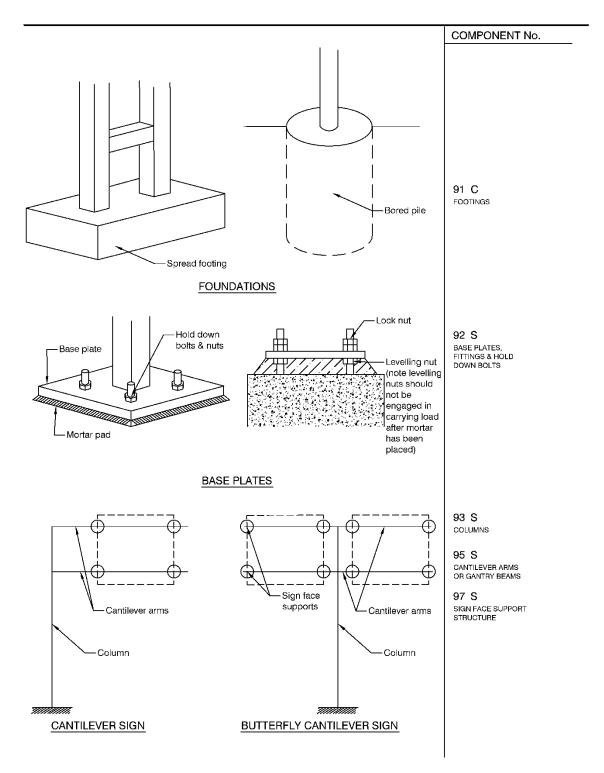


FIGURE C27 - LTMS STRUCTURES. Sheet 1 of 2

Figure C28 – LTMS Structures, sheet 2 of 2

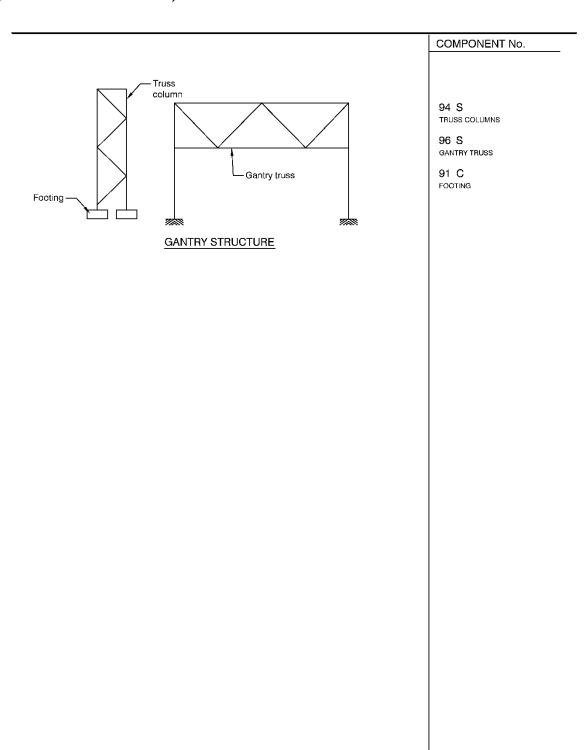


FIGURE C28 - LTMS STRUCTURES. Sheet 2 of 2

Figure C29 - Retaining walls

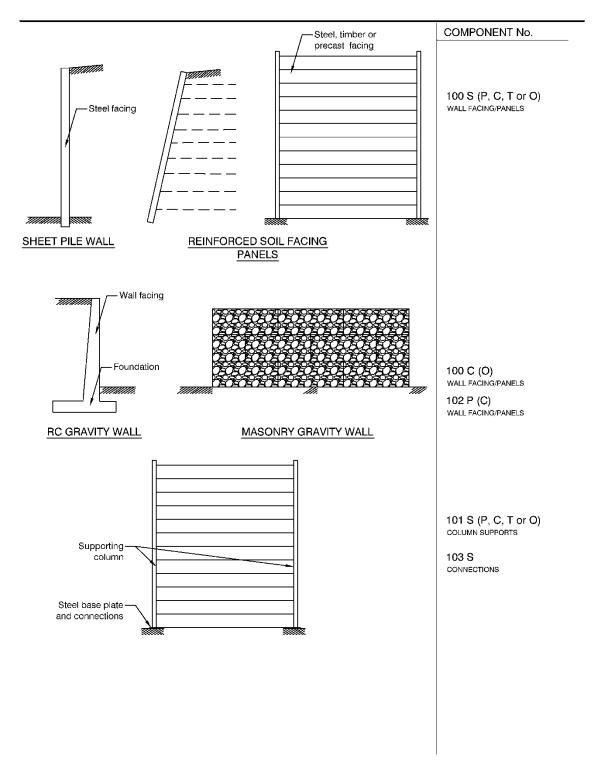


FIGURE C29 - RETAINING WALLS

Figure C30 – Terminology for suspended span bridges

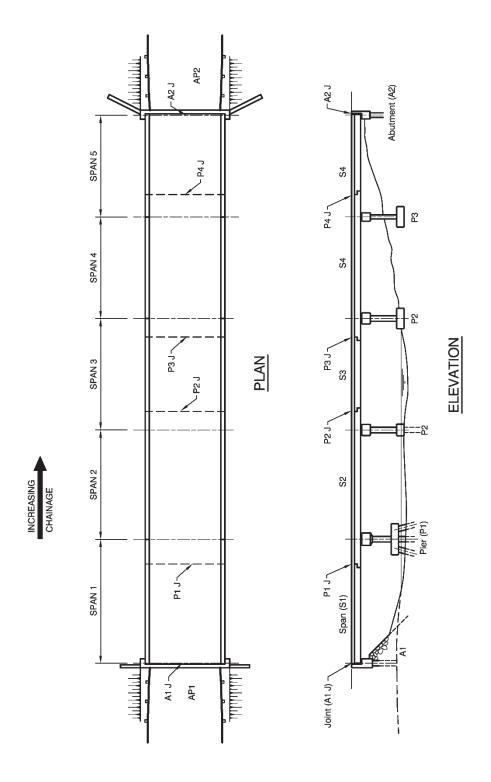


Figure C31 – Terminology for pedestrian bridges

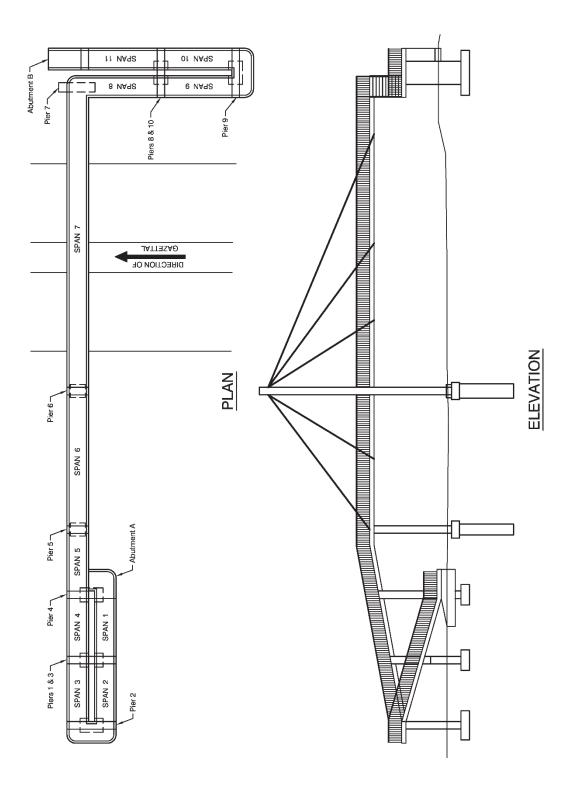
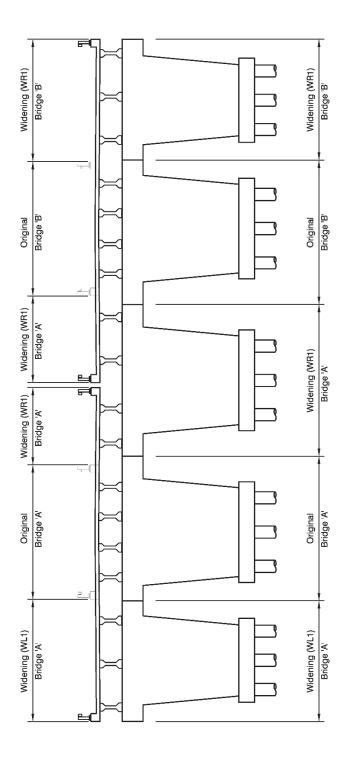
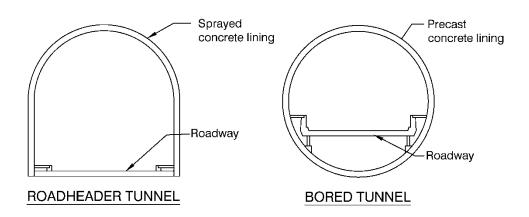


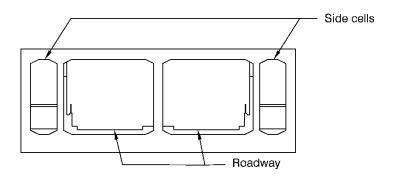
Figure C32 – Terminology for widened bridges



Bridge 'A' - built 1975 ; Bridge 'B' - built 1980 Note that any SHARED widening shall be considered to be part of the first structure to be built

Figure C33 – Terminology for tunnels





**IMMERSED TUBE TUNNEL** 

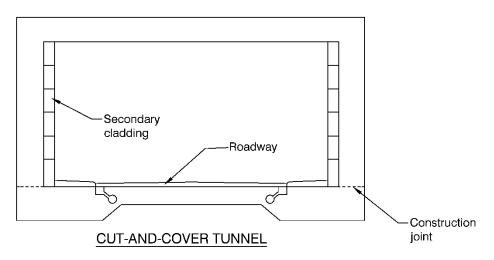


FIGURE C33 - TERMINOLOGY FOR TUNNELS