

Reference	NR/L3/CIV/006/2B
Issue	2
Publication date	5 th June 2010
Compliance date	4 th September 2010

Level 3

Handbook for the examination of Structures Part 2B: Tenanted Bridge Spans

Copyright Network Rail

Reference	NR/L3/CIV/006/2B
Issue	2
Publication date	5 th June 2010
Compliance date	4 th September 2010

This page is intentionally blank.

Reference	NR/L3/CIV/006/2B
Issue	2
Publication date	5 th June 2010
Compliance date	4 th September 2010

Contents

1	Purpose	4
2	Scope	4
3	Principle	4
4	Preparations for Detailed Examinations	6
4.1	General requirements	6
4.2	Planning requirements	6
5	Detailed Examinations	6
5.1	Scope	6
5.2	Content for Spans with Obstructions	7
5.3	Examination of visible parts and Obstructions	8
5.4	Structure condition marking	9
6	Visual Examinations	9
6.1	Purpose	9
6.2	Scope	10
6.3	Content for Spans with Obstructions	10
7	Additional Examinations	11
7.1	Circumstances when Additional Examinations are required	11
7.2	Removal and reinstatement of Obstructions	12
7.3	Attendance of Engineer	12
	Appendix A: Examination Completion Preliminary Advice Notice	14

Reference	NR/L3/CIV/006/2B
Issue	2
Publication date	5 th June 2010
Compliance date	4 th September 2010

1 Purpose

The purpose of this part of the handbook is to define the particular requirements and recommendations for examination of Bridges with Tenanted Spans.

2 Scope

This part of the handbook applies to all Network Rail owned or managed Bridges, Shared Bridges, Outside Party Bridges and other Structures assigned to Structure Category A in accordance with [NR/L1/CIV/032: Managing existing Structures](#)¹ within the Spacia property portfolio. Such Bridges may be assigned as Structure Category A2. Guidance as to the extent of the Spacia property portfolio may be found in GIS portal.

Where an Obstruction is present, the principles of this part of the handbook may also be applied to Bridges spanning:

- Network Rail commercial property;
- Operational Property;
- land not owned or leased by Network Rail.

Particular requirements for examination of Bridges assigned as Structure Category A1 are given in **Part 2A**.

3 Principle

This part of the handbook requires an initial Detailed Examination to be carried out without removal of Obstructions following which the Evaluation will determine whether the information obtained is sufficient to determine the interval before the next Detailed Examination.

If there are Significant concerns identified in the Detailed Examination such that the safety of the Tenanted Span is not able to be evaluated, an Additional Examination with the Obstructions removed should be carried out. If there is a problem known prior to the Detailed Examination, the Obstructions should nevertheless be removed for the examination.

The purpose of these examinations is to provide sufficient information to allow an evaluation of the safety and functionality of the Tenanted Span. There is no mandatory requirement to remove Obstructions and to expose all parts of the Tenanted Span. In this sense the examination of a Tenanted Span with Obstructions can be considered in the same context as the examination of hidden details.

¹ This provides information on managing Structures for all Structure Categories.

Reference	NR/L3/CIV/006/2B
Issue	2
Publication date	5 th June 2010
Compliance date	4 th September 2010

The question that has to be answered is:

Has the examination provided enough information for the Evaluation of the Structure?

The process to be followed for examination of a Tenanted Span is illustrated in Figure 2B.3.1.

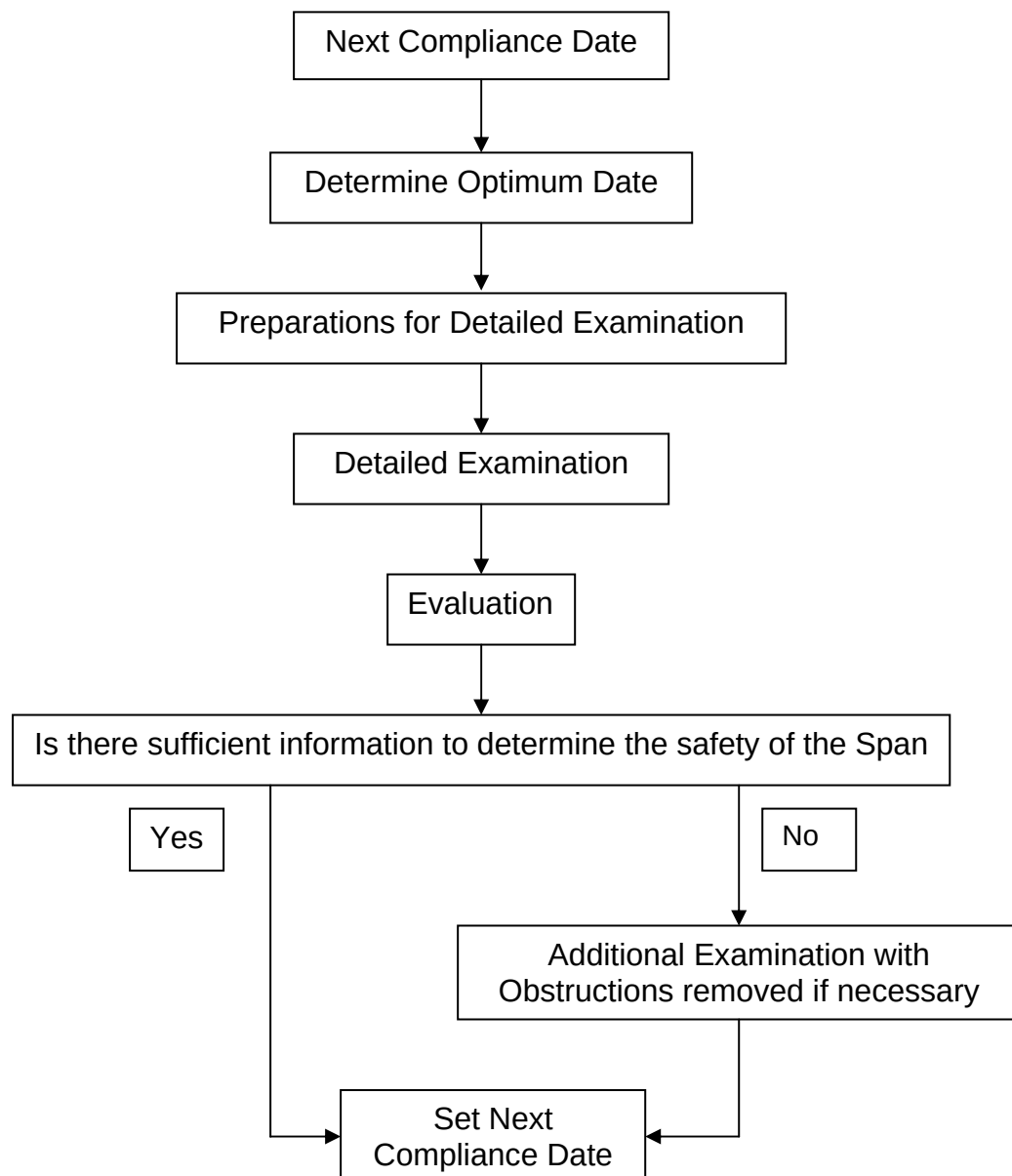


Figure 2B3.1: Process for examination of Tenanted Spans

The concept of carrying out an initial Detailed Examination is to provide the best information with the minimum disruption and potentially cost. The scenario where the examination is deferred because there is a problem with removal of Obstructions is to be avoided.