# Load Rating Form

*(Form to be registered separately for each underbridge on the ARTC Asset management system Ellipse)*

|  |  |
| --- | --- |
| Rating Date  |       */*      */*       |
| Company / Rating Engineer |       */*       |
| Load Rating - Limit State *[[1]](#footnote-1)* |        |
| Asset (Ellipse Equipment #) - Underbridge Name - Railway Line - Chainage |       *-*       *-*      *-*       |
| Underbridge Type – Year of Construction |       *-*       |
| Overall Length –Number of spans- Span Configuration  |       *-*       *-*       |
| Latest Bridge Inspection Date and Report (Ellipse Equipment #)  |       *-*       |
| Technical documents including site investigations, calculations, tests, fatigue assessment, SHM, computer models, etc. (Ellipse Equipment #)  |                 |
| Nominated Rating Vehicle *[[2]](#footnote-2)*  |       |
| **Underbridge component** | **Design action / Combined actions** |  **(m)** | **(m)** | **(As New)** | **(As Is)** | **(kN.m / kN)** | **(As New)****(kN.m / kN)** | **(As Is)****(kN.m / kN)** |  |  | **(kN.m / kN)** |  | **(Full)** |  |  | **(kN.m / kN)**  | **As new** | **As is** | **Underbridge Management** Note reduced speed or other action to be taken to set RF=1 - Refer clause 6  |
|  |  |  |  |       |
| *Girder [[3]](#footnote-4)* | *Moment* **[[4]](#footnote-5)** |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| **Underbridge component limiting LR** [[5]](#footnote-6) |       |
| **Remaining Fatigue Life Estimation (Yrs)** |       |
| **Remarks** |       |

* *For notations, refer to AS5100.7: 2017, Section 14*

|  |  |  |
| --- | --- | --- |
| Name & Position Title ………………………… | Signature ………………………… | Date ………………………… |
|  ………………………… |  |  |

1. *Limit States e.g. ULS or SLS.*  [↑](#footnote-ref-1)
2. *Nominated Rating Vehicles may include, but not limited to the Appendix A of this procedure. ARTC to confirm required nominated rating vehicle to be assessed as per this form.*  [↑](#footnote-ref-2)
3. *Additional rows shall be added to note load rating subsequent to the other underbridge components.* [↑](#footnote-ref-4)
4. *Additional design actions / combined actions shall be added.* [↑](#footnote-ref-5)
5. *Underbridge component limiting LR shall be noted.* [↑](#footnote-ref-6)