

<b>ELR:</b>	EDE	<b>Structure No:</b>	25	<b>Mileage:</b>		<b>Examination date:</b>	08/02/20
<b>Route:</b>	Eden Valley Jn - Kirkby Stephen (Warcop Branch)					<b>OS ref:</b>	NY 765 136
<b>Name:</b>	Great Musgrave					<b>Type:</b>	Over bridge

### ***Examiner Comments on Structure condition***

#### **SERVICES**

There is no evidence in the HE (HRE) 2020 Health and Safety File, previous examination reports nor as noted on site to confirm the presence of any statutory services affecting the structure.

#### **SOFFIT**

Long-standing downward alignment defects were noted along the transverse joint lines of individual stones within the soffit at crown and the east upper haunch. The downward alignment along the stonework was noted **up to approx 15mm where accessible**. **Alignment defects within the soffit were noted up to 4mm at time of the detailed examination (photos 11 to 13).**

A number of joints within the soffit showed mortar loss up to 170mm where accessible. **The mortar loss was noted up to a max of 40mm at time of the previous detailed examination (photos 14 & 15).**

#### **PARAPETS & PILASTERS**

**South**:- internal road face: impact damage was noted from the east quoin over a max length of 2.4m inclusive of the copings. Inward displacement was noted along the 2<sup>nd</sup> quoin stone from G/L over a length of 1.36m up to 12mm with the copings found displaced up to a max of 22mm. Due to the density of the stone and copings the affected area remains secure under hammer **(photos 16 to 18)**. Some loose fragments of sheared stone/spalling within the affected stone and copings were removed at the time of the examination **(photos 19 & 20)**. **Local knowledge advised the examiner that the parapet was struck in Spring 2019 by a local farmer**. Lifting/pushing mortar is noted to external face of the parapet opposite the impact damage **(photo 21)**. “Possible” impact damage at this area was noted at time of the previous detailed examination report (photo 102 within the DE).

#### **HANDRAILS & FENCING**

**Northwest**:- small section of stone walling extends off the end of the parapet. Stone loss is noted adjacent to the parapet over a height of 450mm x a width of 390mm **(photos 22 & 23)**.

**Northeast**:- stone boundary wall extends from the end of the parapet.

**Southwest**:- small section of stone walling extends off the end of the parapet. The stonework is loose to hammer **(photo 24)**.

**Southeast**:- stone boundary wall extends from the end of the parapet.

#### **VEGETATION**

The structure is typically free from vegetation ingress with odd areas of moss growth.

#### **TRACK/ROAD CONDITION**

The redundant track bed is found waterlogged to both the north and south of the structure **(photo 25)**.