Appendix C: Dowel Embedment Test Tables

Appendix C contains tables with values quantified for each dowel embedment specimen tested. The figure below shows the corresponding points of interest as summarized in the tables, including variables, such as elastic stiffness and capacity and 5% offset yield load and displacement values. Abbreviations for load-displacement curves are as follows:

\[ P_{\text{cap}} = \text{Peak or capacity load} \]
\[ P_{5\%} = \text{5\% offset yield load} \]
\[ k_e = \text{Elastic stiffness} \]
\[ A = \text{Bearing area} = ld, \text{where } l = \text{thickness of specimen and } d = \text{dowel diameter} \]
\[ F_{\text{cap}} = P_{\text{cap}} / A = \text{Capacity stress} \]
\[ F_{5\%} = P_{5\%} / A = \text{5\% offset yield stress} \]

Figure C: Typical dowel embedment test and property definitions