Per ODOT 2020 BDM, Section 404.1.2.2: a fatigue evaluation shall be performed for existing steel members/details to be-used or rehabilitated. This evaluation includes screening the member/detail and performing a remaining fatigue life analysis when necessary.

When Necessary? The following pertains to when a fatigue life analysis is required for beam complete penetration welds.

Per Section 404.1.2.6, a remaining life analysis for beam complete penetration welds is required when Section 404.1.2.4.c permits OR the remaining life analysis is included within the Scope.

Section 404.1.2.4.c: Retrofit flange and beam welds when cracks are visually detected OR where physical evidence of cracking is observed.

I do not see cracking nor visual evidence (rust staining) that would indicate poor performance of the CP welds. Additionally, a remaining fatigue life analysis is not listed in ODOT’s narrative/scope of work.

