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 <u>Section 404.1.2.4.c permits</u> OR <u>the remaining life analysis is included</u> 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.



Cracking nor visual evidence (rust staining) is evident 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.

