There are 118 interactive files and 51326 IFC objects through management information collaboration workflow, and 32 types of data interaction problems are generated. For example, in the process of IDM import, some materials are lost when context capture is imported into Rhino, section cannot be inherited and working condition data is lost when Revit is imported into Midas civil, coordinate information is lost when Recap is imported into Civil3D, EPS is imported into Civil3D. Due to the longitude problem of the primary meridian, the project positioning is deviated.