

AIR QUALITY

The study area for the proposed interchange ramps was analyzed for carbon monoxide emissions for the Design Year 2030. The test results considered the proposed typical sections and worst-case traffic volumes and concluded that this project passed the test.

NAVIGATION REQUIREMENTS

Both vertical and horizontal clearances are crucial to both maintenance and navigation. FDOT requires access to the bridge substructure; SFWMD requires access to the vegetation and canal; and the USCG requires access for navigation.

SOUND

Noise levels were evaluated within the project study area. Existing and proposed conditions were modeled to predict future noise levels, which were then compared to the FHWA Noise Abatement Criteria. The Federally-established criteria help determine when noise abatement (mitigation) must be considered. The predicted noise levels fell below the established criteria for the land use activity category for residences; therefore, the noise levels from the proposed interchange will not negatively impact any residences within the project study area and mitigation is not required.

