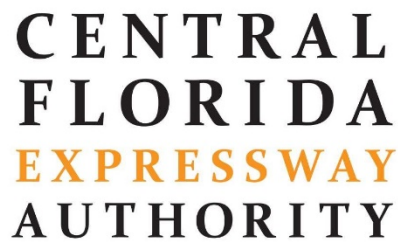


AIR QUALITY TECHNICAL MEMORANDUM

SR 408 Capacity Improvements
from Kirkman Road to Church Street
Project Development and Environment Study

Central Florida Expressway Authority



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AUTHORITY**

The logo for the Central Florida Expressway Authority is centered on the page. It consists of the words "CENTRAL", "FLORIDA", "EXPRESSWAY", and "AUTHORITY" stacked vertically in a bold, serif font. The word "EXPRESSWAY" is highlighted in orange, while the other words are in black. The logo is framed by two horizontal orange bars, one above and one below the text.

CFX Project No.: 408-174

Contract No.: 001844

August 2023

Introduction

In September 2022, the Central Florida Expressway Authority (CFX) began a Project Development and Environment (PD&E) Study to add capacity to approximately three miles of SR 408 between SR 435 (Kirkman Road) and Church Street. This Technical Memorandum is to document the air quality analysis findings.

Project Description

The study area of this project includes the portion of SR 408 between SR 435 (Kirkman Road) and Church Street. Eastbound and westbound SR 408 is currently a three-lane facility. East of Kirkman Road is a toll gantry consisting of All Electronic Tolling (AET) for the mainline lanes and adjacent gantries for cash payments. Currently, this portion of SR 408 experiences congestion and delay, especially during the peak hour commute. The study will provide the necessary documented information for CFX to reach a decision on the type, design, and location of the proposed SR 408 improvements.

General Existing Conditions and Land Uses of the Project Area

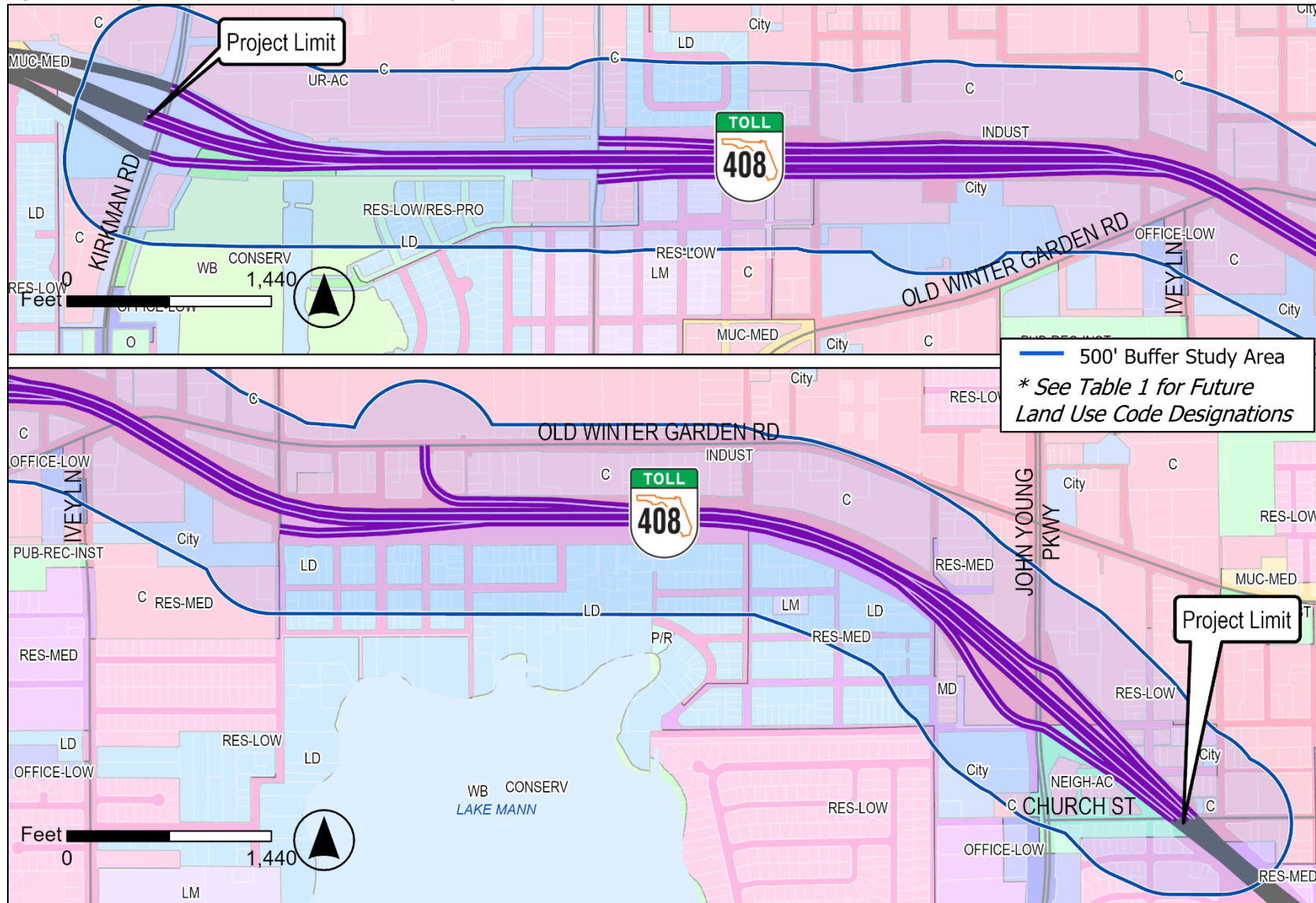
The project limits are within the City of Orlando which falls within Orange County, FL as well as in unincorporated Orange County. The project corridor is classified as a limited-access principal arterial-expressway rural.

The land use within this segment of SR 408 is primarily commercial along the north side of the project corridor. The south side of SR 408 includes commercial and residential. Downtown Orlando is located approximately two miles east of Church Street. **Table 1** summarizes and **Figure 1** shows the Future Land Use (FLU) designations of the area per the City of Orlando and Orange County.

Table 1: Future Land Uses Within Project Area

FLU Code	Jurisdiction	Future Land Use (FLU) Designation
CONSERV	City of Orlando	Conservation
INDUST		Industrial
MUC-MED		Mixed Use Corridor Medium Intensity
OFFICE-LOW		Office Low Intensity
PUB-REC-INST		Public/Recreational & Institutional
RES-LOW		Residential Low Intensity
RES-LOW/RES-PRO		Residential Low Intensity/Resource Protection Overlay
UR-AC		Urban Reserve
C	Orange County	Commercial
LD		Low-Density Residential
LM		Low/Medium-Density Residential
O		Office
WB		Water Body

Figure 1: Study Area Future Land Use (FLU) Map



Analysis and Results

As part of this study, an air quality evaluation has been performed consistent with the FDOT PD&E Manual, Part 2, Chapter 19. Based on this initial evaluation, a detailed Air Quality analysis is not needed because the project does not meet the two qualifying criteria per Section 19.2.2.1, Part 2, Chapter 19 of the PD&E Manual. It does not require an Environmental Impact Statement, and it is not expected to have community controversy regarding air quality.

This project is not expected to create adverse impacts on air quality because the project area is in attainment for all National Ambient Air Quality Standards (NAAQS) and because the project is expected to improve the Level of Service (LOS) and not change delay and congestion on all facilities within the study area.

Construction activities may cause short-term air quality impacts in the form of dust from earthwork and unpaved roads. These impacts will be minimized by adherence to applicable state regulations and to applicable FDOT Standard Specifications for Road and Bridge Construction.

References

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