

Tornillo-Guadalupe Land Port of Entry

Tornillo, Texas

2008-2014

Project Description

A Design-Bid-Build project, this new Land Port of Entry is a six-lane border-crossing facility capable of serving vehicular, pedestrian and commercial traffic. The facility will segregate and route commercial traffic and private vehicles through separate and dedicated inspection lanes as well as accommodate pedestrian traffic. The ten on-site buildings include a main office facility, kennel, import and export facilities, commercial vehicle inspection, public restrooms and offices for the FMCSA (Federal Motor Carrier Safety Administration) and the State of Texas Alcohol Beverage Commission (TABC).



Project Delivery Method: Design-Bid-Build

Project Cost: \$80,000,000

Key Team Members: Rahe Loftin, P.E., (817) 978-7299 – Office (GSA Regional Fire Protection Eng.)

FPCG Team Member Responsibilities

Our staff was responsible for performing the duties of the Fire Commissioning Agent (FCxA) starting in the design phase with the GSA Design Excellence Peer Review process all the way through Functional Performance Testing and inspection of all fire and life-safety systems on the project. This large port had several detention areas presenting challenges when balancing necessary security and unique operational requirements with basic life-safety and means of egress fundamentals. The project also include a site fire pump, 200,000 gallon on-site fire protection water storage tank, eight stand-alone automatic sprinkler systems, eight networked fire alarm system nodes, and hundreds of feet of fire resistance rated assemblies, including doors, window, and multiple other penetrations. By collaborating with the design team, owner, tenant, and contractor, FPCG established and documented clear FCxA project requirements using the Required Documentation and Equipment, Pre-Functional Checklists, and Functional Performance Testing recommended by the industry standards and GSA Building



Commissioning Guide. Our staff performed nearly twenty site inspections and maintained detailed records of hundreds Issues on a routinely updated Issues Log. Mr. Gilead R. Ziemba, P.E. was the official Fire Commissioning Agent and Mr. Temple R. Kennedy, CBCO, CFCO was the Sr. Consultant for the project. Each contributed to submittal reviews, site inspections, FCxA document preparation, and Issue Log updates.

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