



# Solano I-80 Westbound Truck Scales Project Takes Innovation to New Levels for Safer, Greener Travel for All

## Project Overview

The Solano Transportation Authority (STA), in partnership with Caltrans, California Highway Patrol (CHP) and the California Transportation Commission, has proposed building a new I-80 Westbound Cordelia Commercial Vehicle Enforcement Facility (CCVEF) in Solano County, between Fairfield and Cordelia. This innovative facility will transform and relocate the existing, aging CCVEF, which currently stands one-half mile from the planned site.

## Why is a New Truck Scales Facility a Big Deal?

To put it simply, the existing facility is old and out-of-date. It was originally constructed over 60 years ago and can't efficiently inspect the high number of trucks that travel through this stretch of highway. So, it's time for an update. The proposed CCVEF will:

- Be capable of inspecting trucks around the clock
- Improve safety for inspectors, truck drivers and general motorists
- Have significantly shorter inspection times
- Feature state-of-the-art inspection tech
- Be eco-friendly

This will dramatically transform the delivery of goods along this important trade route — now and long into the future.

## Project Area



## What is a commercial vehicle enforcement facility?

Commercial vehicle enforcement facilities are more commonly called truck scales or weigh stations. They are checkpoints along highways where trucks are weighed and inspected, improving the overall safety of the roadway.



Before



After

Completed Eastbound scales

# Project Highlights

The Solano I-80 westbound truck scales will:

- Accommodate up to **1000** trucks an **hour** (currently **500-700** trucks a **day**)
- Provide CHP with **increased enforcement capacity**
- Improve **travel times** for both trucks and general motorists
- Decrease **congestion** at entrance/exit points of facility
- Reduce **rear-end collisions** along I-80
- Reduce **environmental impact** of freight movement
- Facilitate **zero-emission** freight fueling

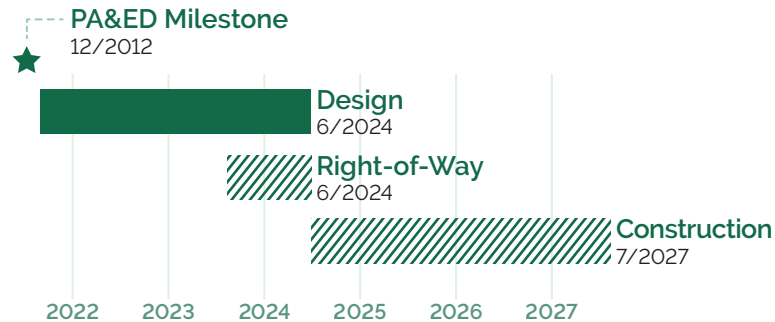
# State-of-the-Art Technology

- Automated license plate readers
- Automated inspection sticker compliance readers
- Truck sorting software
- Weigh-in-motion scales
- Oversize sensors



Modernized technology will speed up processing, allowing 48X more trucks to be screened each day. This means fewer overweight or non-compliant trucks will bypass the facility, which currently is forced to close when at capacity.

# Schedule



# Why are truck scales important?

They capture the weight of trucks as they drive at reduced speeds through the facility. This allows for trucks under certain weight limits to completely forgo static scales or inspection.

# What is truck sorting software?

Truck sorting software allows trucks to move through the facility faster by scanning vehicles entering the facility and flagging those that need increased scrutiny. Flagged vehicles receive more in-depth screening, while all others proceed through the scales and go on their way.

# Sustainable Freight

Ensuring the new CCVEF met environmental standards was integral to the design process. Green infrastructure improvements include:

- Electric vehicle charging station
- Clean freight fueling
- Certified LEED Silver CHP building
- Facility pursuing zero-net-energy
- Reduced carbon emissions due to improved traffic flow
- Less truck idling



# What is Zero Net Energy?

A Zero Net Energy building produces as much energy through renewable sources as it uses over the course of a specified time period, according to the Department of Energy.

# Contact

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