**References By Activity** 



# **Horizontal Directional Drilling**





#### INFRASTRUCTURE ARTESIA GREAT BOULEVARD

LOCATION ► Long Beach, CA CUSTOMER ► Granite Construction Company PROJECT SCOPE: The Artesia Great Boulevard project is a comprehensive infrastructure initiative aimed at enhancing traffic management, communication systems, and urban aesthetics in Long Beach, CA.

The project includes the installation and upgrading of traffic signals to improve vehicular flow and pedestrian safety. A major component involves over 45,000 feet of directional drilling to establish an advanced fiber optic interconnect system, improving data transmission and communication across the city. Additionally, the project includes extensive street lighting enhancements to increase visibility and safety at night. Roadway improvements such as resurfacing, paving, and other upgrades are also part of the project to ensure smoother and more durable road surfaces. With a contract value of \$11,248,639, this ongoing project, which commenced in March 2023, reflects a significant investment in the city's infrastructure and future connectivity.

AMOUNT ► \$11,248,639 START DATE ► 2023 FINISH DATE ► Ongoing





#### TRAFFIC SIGNAL SYSTEM LAKEWOOD BLVD TRAFFIC SIGNAL IMPROVEMENTS

#### LOCATION ► Bellflower, CA CUSTOMER ► City of Bellflower

**PROJECT SCOPE:** The Lakewood Blvd Traffic Signal Improvements project aims to enhance the traffic signal system along Lakewood Boulevard in Bellflower, CA. This project includes the installation of new traffic signals and the modernization of existing ones to improve traffic flow, reduce congestion, and increase safety for both motorists and pedestrians.

Additionally, the project involves executing Southern California Edison (SCE) work orders, which include necessary electrical infrastructure upgrades to support the new traffic signals. These improvements ensure the efficient operation and reliability of the traffic signals. With a contract value of \$3,910,901, this project represents a significant investment in the city's infrastructure. The project started in August 2023 and is scheduled for completion by June 2024, promising substantial enhancements in traffic management and safety.

AMOUNT ► \$3,910,901 START DATE ► August 2023 FINISH DATE ► June 2024





#### TRAFFIC SIGNAL SYSTEM

#### N. VERDUGO RD. TRAFFIC SIGNAL IMPROVEMENTS

LOCATION ► Glendale, CA CUSTOMER ► City of Glendale

**PROJECT SCOPE:** The N. Verdugo Rd. Traffic Signal Improvements project is a vital initiative to modernize the traffic management system in Glendale, CA.

This project involves the installation and enhancement of traffic signals to streamline traffic flow and improve safety for drivers and pedestrians.

A key component is the deployment of over 15,000 feet of directional drilling to implement a sophisticated fiber optic interconnect system, enhancing communication and data transfer capabilities within the city's traffic network.

The project also includes upgrading street lighting to improve nighttime visibility and safety. Additionally, dynamic and variable speed warning signs will be installed to provide real-time speed advisories, further enhancing road safety. Roadway improvements, including resurfacing and structural upgrades, are also part of this comprehensive project.

With a contract value of \$3,104,823, this project represents a significant investment in the city's infrastructure, aimed at delivering lasting benefits in traffic efficiency and safety.

AMOUNT ► \$3,104,823 START DATE ► 2021 FINISH DATE ► 2023





## TRAFFIC SIGNAL SYSTEM LAKE AVE PEDESTRIAN ACCESS

LOCATION ► Pasadena, CA CUSTOMER ► City of Pasadena

**PROJECT SCOPE:** The Lake Ave Pedestrian Access project is a comprehensive initiative aimed at enhancing pedestrian accessibility and safety along Lake Avenue in Pasadena, CA.

This project involves the installation and upgrading of traffic signals to improve traffic management for both pedestrians and vehicles. A crucial element is the enhancement of street lighting, providing better illumination and increased safety for nighttime pedestrians.

The project also includes the deployment of a fiber optic communications system to ensure efficient and reliable data transmission for traffic management and other city services. Street improvements, including resurfacing and structural upgrades, are also planned to enhance the overall infrastructure.

With a contract value of \$2,773,866, this project represents a significant investment in the city's infrastructure, focusing on creating a safer and more accessible environment for pedestrians. The project is set to begin in January 2024 and is scheduled for completion by June 2024.

AMOUNT ► \$2,773,866 START DATE ► January 2024 FINISH DATE ► June 2024





#### INFRASTRUCTURE

#### WILMINGTON WATERFRONT PROMENADE AND BUILDING DEMOLITION

LOCATION ► Los Angeles, CA CUSTOMER ► Port of Los Angeles

**PROJECT SCOPE:** The Wilmington Waterfront Promenade and Building Demolition project aims to revitalize the waterfront area at the Port of Los Angeles. This project involves demolishing existing structures to make way for new developments, enhancing both the aesthetic and functional value of the waterfront. Key components include mobilization, installation of a floating dock system with electrical components, and comprehensive electrical system upgrades.

The project also involves significant work on the DWP electrical system to support the new infrastructure, ensuring reliable power distribution. Additionally, extensive site lighting is planned to improve visibility and safety throughout the waterfront area. With a contract value of \$5,688,320.00, this project represents a substantial investment in the port's infrastructure and public amenities, aiming to create a vibrant and accessible waterfront for residents and visitors. The project commenced in 2021 and is scheduled for completion by 2023.

AMOUNT ► \$5,688,320.00 START DATE ► 2021 FINISH DATE ► 2023





#### ROADWAY IMPROVEMENTS INDIAN CANYON DRIVE TWO-WAY CONVERSION AND PEDESTRIAN AND BICYCLE SAFETY ENHANCEMENTS

**LOCATION** > Palm Springs, CA **CUSTOMER** > City of Palm Springs **PROJECT SCOPE:** The Indian Canyon Drive Two-Way Conversion and Pedestrian and Bicycle Safety Enhancements project aims to improve traffic flow and safety for pedestrians and cyclists in Palm Springs, CA. This project involves converting Indian Canyon Drive to a two-way street, affecting eleven intersections between Tachevah Drive and Camino Parocela. The work includes constructing sidewalks, ADA ramps, curbs, gutters, cross gutters, and pavement to enhance accessibility and safety. Additionally, the project includes signing and striping to facilitate clear and efficient traffic management. Significant modifications to traffic signals at key intersections—including Tachevah Drive, Tamarisk Road, Alejo Road, Amado Road, Andreas Road, Tahquitz Canyon Way, La Plaza, Arenas Road, Baristo Road, Ramon Road, and Camino Parocela—are also part of the project. With a contract value of \$3,819,765.09, this project represents a major investment in urban mobility and safety. The project commenced in October 2018 and was completed in May 2019, successfully delivering enhanced traffic management and safer pedestrian and bicycle pathways. **AMOUNT** ► \$3,819,765.09 **START DATE** ► 2018 FINISH DATE ► 2019





#### FIBER OPTIC

#### RCMU FIBER-OUTSIDE PLANT FIBER OPTIC NETWORK FIBER CONDUIT CONSTRUCTION

LOCATION ► Rancho Cucamonga, CA CUSTOMER ► City of Rancho Cucamonga PROJECT SCOPE: The RCMU Fiber project aims to establish a citywide fiber optic broadband network in Rancho Cucamonga, CA. The primary goal is to leverage existing fiber optic infrastructure to enhance high-speed communication between city facilities and extend broadband services to the community. The work includes installing both outside and inside plant fiber optic cabling systems, featuring single mode fiber optic cable, conduits, ducts, hand-holes, and splicing.

The project also involves installing fiber optic cables in existing conduits, with potential verification of the quality and usability of existing city electrical conduits. The initial construction plan encompasses approximately 22 miles of single mode fiber, integrating both existing traffic and electrical conduits and new constructions as outlined in the Fiber Master Plan. This extensive project, with a contract value of \$10,416,166.37, represents a significant investment in enhancing the city's communication infrastructure, fostering improved connectivity and high-speed internet access for the Rancho Cucamonga community.

AMOUNT ► \$10,416,166.37 START DATE ► 2019 FINISH DATE ► 2023





### INFRASTRUCTURE SAN PEDRO WATERFRONT

LOCATION ► San Pedro, CA CUSTOMER ► Port of Los Angeles PROJECT SCOPE: The San Pedro Waterfront project aims to revitalize a key area of the Port of Los Angeles. The project includes creating a 1.9-acre, 30-foot-wide public promenade and a 4-acre town square, enhancing public experience and connectivity to the waterfront.

The work involves extensive landscaping and hardscaping to create visually appealing and functional spaces. Key features include signage, trash cans, architectural finishes, handrails, lighting, and public seating to ensure a comfortable environment for visitors. The project also involves constructing a new restroom building, providing essential amenities. Significant components include demolishing existing structures, installing a new floating dock and gangway, and placing new piles for structural improvements.

Additionally, the project covers utility installations, grading, roadway intersection upgrades, and various site improvements such as overlooks and balconies. With a contract value of \$4,374,000.00, this project is a substantial investment in the San Pedro Waterfront, aiming to enhance its functionality and appeal for locals and visitors.

AMOUNT ► \$4,374,000.00 START DATE ► 2020 FINISH DATE ► 2021





#### **FIBER OPTIC**

#### SAN FERNANDO ROAD BIKE PATH PHASE 3

#### LOCATION ► Los Angeles, CA CUSTOMER ► COLA

**PROJECT SCOPE:** The San Fernando Road Bike Path Phase 3 project is a significant initiative aimed at enhancing bicycle infrastructure and promoting safe, sustainable transportation options in Los Angeles, CA. This phase involves constructing a dedicated bike path along San Fernando Road, improving accessibility and safety for cyclists. Key components include extensive street lighting for the bike path to ensure visibility and safety during nighttime use, utilizing both solar panels and traditional lighting systems.

The project also includes installing traffic signals, conduit installations, and various electrical components to support the new infrastructure. Other crucial elements include hardscaping, landscaping, and integrating fiber optic communication systems to enhance connectivity and operational efficiency. With a focus on functionality and aesthetics, the project incorporates architectural finishes, handrails, public seating, and constructing necessary amenities such as restroom facilities.

Started in 2020 and completed in 2022, this project represents a major investment in the city's transportation infrastructure, fostering a safer and more efficient cycling environment.

AMOUNT ► \$4,135,804.84 START DATE ► 2020 FINISH DATE ► 2022





#### ITS TRAFFIC SIGNAL INTERCONNECT IMPROVEMENTS

LOCATION ► Rancho Mirage, CA CUSTOMER ► City of Rancho Mirage PROJECT SCOPE: The Traffic Signal Interconnect Improvements project in Rancho Mirage, CA, focuses on modernizing the city's traffic management system. This project involves significant heavy directional drilling to install a state-of-the-art fiber optic system that enhances communication and control capabilities across the city's traffic signals.

Key elements include installing fiber optic cables, CCTV cameras for real-time monitoring, Ethernet switches for network connectivity, and a radio wireless system to support seamless data transmission.

Additionally, the project incorporates advanced traffic signal controllers and service cabinets to ensure efficient and reliable operation of the traffic signal network. With a contract value of \$2,405,275, this project represents a significant investment in improving traffic flow, safety, and overall infrastructure efficiency. The project commenced in March 2020 and was completed in July 2021, spanning a duration of 16 months. AMOUNT ► \$2,405,275 START DATE ► March 2020 FINISH DATE ► July 2021

