



September 28, 2022

Mr. Andrew Simmons, P.E.
City Engineer
53990 Enterprise Way
Coachella, CA 92236

Subject: Avenue 50 CVWD Line Abandonment and Signal Interconnect Design

Dear Mr. Simmons:

Thank you for requesting KOA Corporation (KOA) to provide this proposal for assisting the City in the abandonment of the CVWD irrigation line 118.7 east of meter number 1700 along Avenue 50 between Calhoun Street and Van Buren Street, and for provision for future traffic signal interconnection between Calhoun Street and Cesar Chavez Street, the westerly 1300 feet of which will be constructed by DR Horton, and the easterly remainder to be incorporated into the Avenue 50 Street Improvement Plans. specifications, and estimate.

PROJECT UNDERSTANDING

The widening of Avenue 50 between Calhoun Street and Van Buren Street has triggered a concern on the part of CVWD that the construction activities may compromise the integrity of one of their irrigation distribution lines. To that end the City has suggested that the CVWD abandon irrigation 118.7 east of meter number 1700, which no longer serves any customers. Preliminary discussion with the CVWD and City indicated that the irrigation line could be abandoned by filling the pipe with flowable fill and relocating meter number 1700. KOA would provide assistance to the City in the abandonment process.

The original scope of services did not anticipate interconnect of the traffic signals along Avenue 50. CVAG has initiated a project to interconnect the traffic signals on significant travel corridors throughout the region, including Avenue 50. Because the design for this segment of the CV Synch signal interconnect project will occur after the Avenue 50 construction, it would seem practical to install conduit and pull boxes for future interconnect as a part of the Avenue 50 Improvements. The plans should include 3" HDPE conduit schedule 80 with No. 6 E pull boxes spaced not more than 500 feet apart, with a N40 splice vault adjacent to each traffic signal controller.

SCOPE OF SERVICES

The scope of services to be provided include:

CVWD Line Abandonment Coordination

1. KOA will provide existing utility plan base sheets to CVWD for verification of CVWD utilities. We will request from CVWD abandonment requirements, specifications, and details. We will assist the City in coordinating for the abandonment of the line through providing the Avenue 50 Improvement Plans.

Traffic Signal Interconnect Conduit for Avenue 50 Improvement



- KOA will utilize the Avenue 50 Improvement Plan base sheets to prepare conduit and pull box plans for future fiberoptic signal interconnect along Avenue 50 from the DR Horton frontage to Cesar Chavez Street. The plans will depict 3" HDPE conduit, with number 6E pull boxes spaced at not more than 500 feet. Conduit will be designed with 45-degree sweeps, and splice vaults will be situated near each controller for subsequent fiber optic design. Plans will be submitted at the 100% completion level. We will respond to City comments and submit final plans as part of the Avenue 50 Improvement plans.

FEE

KOA Corporation will perform the work specified in the scope above based on the following fee summary.

FEE FOR AVENUE 50 CVWD LINE ABANDONMENT AND SIGNAL INTERCONNECT CONDUIT DESIGN							
TASK NUMBER	SR ENGR II	SR. ASSOC ENGR I	ASSOC ENGR II	SR ADMIN	TOTAL HOURS	DIRECT COSTS	TOTAL COSTS
	\$249.00	\$145.00	\$133.00	\$98.00			
1. CVWD Line Abandonment Coordination	8	8		2	18		\$3,348.00
3. Traffic Signal Interconnect Conduit for Avenue 50	12	36	36		84		\$12,996.00
TOTAL	20	44	36	2	102	\$0.00	\$16,344.00

PROJECT ASSUMPTIONS

Our proposal was developed on the following understanding of the project.

- KOA will not be preparing abandonment plans for the CVWD lines, but will only be assisting the City through coordination and supplying Avenue 50 Improvement plans
- KOA's plans for CVWD line abandonment will be provided in KOA's CAD layers, and plans will not be prepared per CVWD CAD standards.
- Conduit and pull boxes only with pull ropes will be designed for future interconnect. Fiber optic design will not be provided at this time.

Please let me know if you have any questions or comments regarding our proposal and we can discuss it at your convenience. Thanks for this opportunity!

Sincerely,

Ali Shahzad, PE
 Managing Director/Senior Engineer
 KOA CORPORATION