



Public Works



Chino Hills  
CALIFORNIA



## CARBON CANYON CHANNEL PROJECT PROJECT FACT SHEET

### OVERVIEW:

The preliminary project design consists of construction of an approximately 4,800-linear foot-long flood control channel, including a 4,200-foot long trapezoidal channel with concrete side slope and articulating block invert, a 50-foot long double concrete box, and a 560-foot long rectangular concrete channel section. The improved channel will replace an interim earthen channel and provide increased flood protection for the area. The channel will include two transition structures. The channel will also consist of a riprap junction structure with English Channel which joins from the northwest. The channel improvements will allow for ultimate flows to be conveyed within District Right-of-Way.

### LIMITS:

- Pipeline Ave.
- Peyton Dr.

### IMPROVEMENTS:

The project consists of demolition of the existing drainage structures and constructing concrete rectangular channel and reinforced concrete box culverts.

### SCHEDULE:

- Estimated Construction Commencement: 2021/2022
- \*Dependent on funding availability





# CARBON CANYON CHANNEL PROJECT FREQUENTLY ASKED QUESTIONS

## 1. Why is this project being constructed?

The improvement of Carbon Canyon Channel between Peyton Drive and Pipeline Avenue is the last segment of a Master Drainage Plan Flood Control Facility that transforms the present interim earthen channel into an environmentally friendly hard-lined trapezoidal channel to allow ultimate flows to be conveyed safely within District right-of-way. This improvement will substantially mitigate the possibility of flooding impacts to surrounding properties in the event of a major storm event while allowing for infiltration and groundwater recharge and also vegetation to establish which results in a green, natural, and visually pleasing appearance.

## 2. What will the hours of construction be?

Based on public feedback, the hours of construction will be weekdays only, 7:30 a.m. to 6:00 p.m.

## 3. Will my taxes go up? Where is the money coming from for this project?

Your taxes will not increase due to the implementation of this project. Flood Control District funds are collected regularly as a portion of the normal local tax assessment already levied on your property. These funds are then earmarked for flood-related costs for flood control improvement projects where the need for increased flood control protection has been determined necessary to protect life and property within the flood zone they were collected. The Carbon Canyon Channel Flood Control Improvement Project was one of the projects identified as needed in your area, funds have been set aside over several years to pre-fund the project's design and construction.

## 4. How will the potential for dust and debris be handled during construction?

We will follow State of California industry standard construction practices for erosion, debris, and dust control and will comply with air quality regulatory guidelines. The contractor is also required to submit a Storm Water Pollution Prevention Plan (SWPPP) to the Water Quality Resource Control Board for review and approval prior to commencement of construction.

## 5. What will the channel access maintenance roads be composed of?

The channel maintenance access travelway will be composed of densely compacted base material tacked in-place by an environmentally friendly soil binder product called PX300. This binder will also work to mitigate production of dust when vehicles utilize the maintenance road.

## 6. How will erosion from the access road slope onto Daisy Drive be controlled?

A fortified earthen retaining wall system will be installed along Daisy Drive with construction of the channel improvement project to eliminate erosion from the maintenance road bank during storm events.

## 7. Where will the chain link fence be located along the channel?

Chain link fence will be installed along all open areas adjacent to existing residential, commercial and retail properties.

## 8. How will trespassing into the channel area be controlled?

Carbon Canyon Channel is the property of the San Bernardino County Flood Control District and is restricted to public access at this time. Channel perimeter will be secured by chain link fencing with appropriate advisory signage. The local police authority is responsible to address illegal trespass.

## 9. How will graffiti on the smooth channel walls be dealt with/prevented?

Graffiti is covered over on concrete surfaces by using a gray tinted paint.

## 10. Will residents be provided with contact information in case problems arise during the construction period along with a number to call for any maintenance issues?

All inquiries or requests for service can be initiated through the Department of Public Works' website using the email address [DPWDispatchAnnouncement@dpw.sbcounty.gov](mailto:DPWDispatchAnnouncement@dpw.sbcounty.gov) or calling the service request line at (909) 387-8063.

# CARBON CANYON CHANNEL PROJECT



New channel with concrete side slope and articulating block invert  
– looking east from Peyton Dr.



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# CARBON CANYON CHANNEL PROJECT



New rectangular concrete channel, 3-cell concrete box and concrete side slope and articulating block invert – looking west from Pipeline Ave.



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# CARBON CANYON CHANNEL PROJECT



The openings in articulating blocks allow vegetation to reestablish in channel bed—new channel looking west along Daisy Dr.



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View before vegetation reestablishment  
in channel bed –new channel  
looking west along Daisy Dr.



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# CARBON CANYON CHANNEL PROJECT



Access ramp for maintenance activities—new channel looking west/southwest from Yellowstone Cir.



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