

# GEOTECHNICAL STUDIES

In May of 2017, Caltrans received approval to fund \$5 Million to perform preliminary geotechnical investigations. This effort will provide information on the subsurface conditions under the proposed alternatives. The results of the geotechnical studies will be used to validate or refine the project alternatives.

## Types of Studies Anticipated for Last Chance Grade

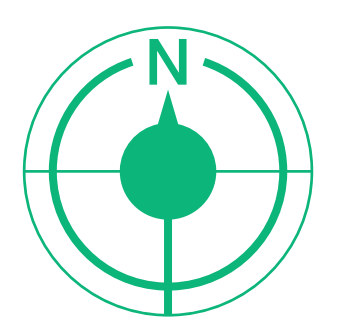


### Borings

Borings are made to collect physical samples of the subsurface materials. These borings above were collected from locations on Last Chance Grade.

### Geophysical Explorations

Geophysical explorations are an indirect method of gaining information on the subsurface conditions using special instruments.



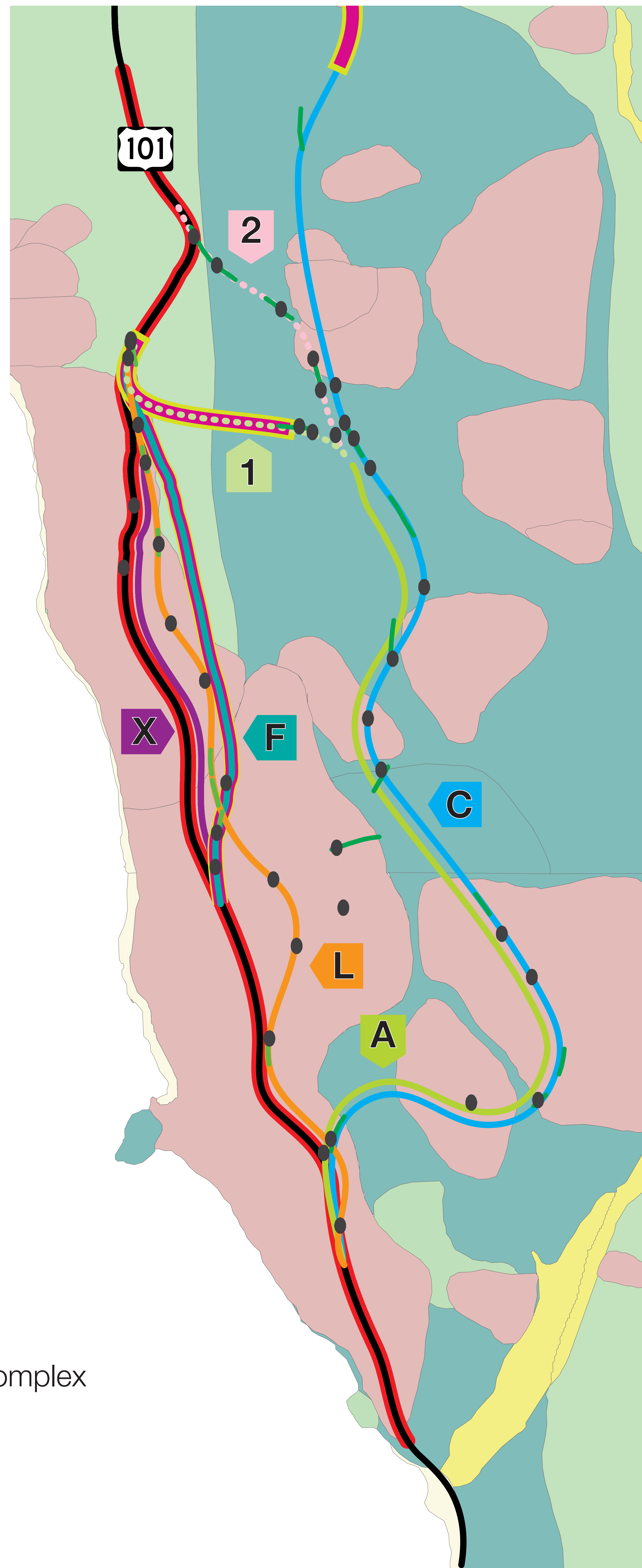
## Legend

### Routes

- Alternative A
- - - Option 1
- - - Option 2
- Alternative C
- Alternative F
- Alternative L
- Alternative X
- Tunnel
- Existing LCG Alignment (No Build)
- Highway 101
- Borings
- Seismic Lines

### Geologic Units

- Alluvium
  - Beach Deposits
  - Landslide Deposits
  - Broken Complex
  - Mélange
- } Franciscan Complex



Alternatives:

X, L, F, A1, A2, C3, C4, C5

# Last Chance Grade

