

Cerritos Channel Transmission Relocation Project

Update February 2019



Energy for What's AheadSM



Purpose of the Update

The purpose of the Cerritos Channel Transmission Relocation Project (CCR) update is to promote communication between the Southern California Edison/PAR Electrical, Inc. team, and the tenants, utilities, and contractors located or working in the vicinity of this project.

Project Team Reminder/Updates

SCE's Core Team:

Daveylyn Berkenkotter – Project Manager
Larry Winston – Construction Manager
Saeed Sadeghi – Engineering Manager
Ruben Lopez – Safety Manager
Chris May – Environmental Manager
Efrain Castro – QA/QC Manager
Jongwoo Jeon (JJ) – Project Controls (Scheduling) Manager
Mark Tang – Project Controls (Finance) Manager
Tabitha Ortiz – Project Analyst



PAR's Core Team:

Matthew Mahon – Project Manager
Jason Kincaid – Construction Manager
Greg Ford – Engineering Manager
Greg Gorton – Site Safety Manager
Laurie Gorman – Environmental Manager
Mike Hobart – QA/QC Manager
Sherrie Bunch – Project Controls (Scheduling) Manager
Susan Arebalo – Accounting Manager
Robert Quesada – Project Coordinator



CCR Overview and Scope

With the new Gerald Desmond bridge being built, SCE's electric transmission and telecomm lines crossing the Cerritos Channel need to be raised to accommodate taller container ships entering the channel.

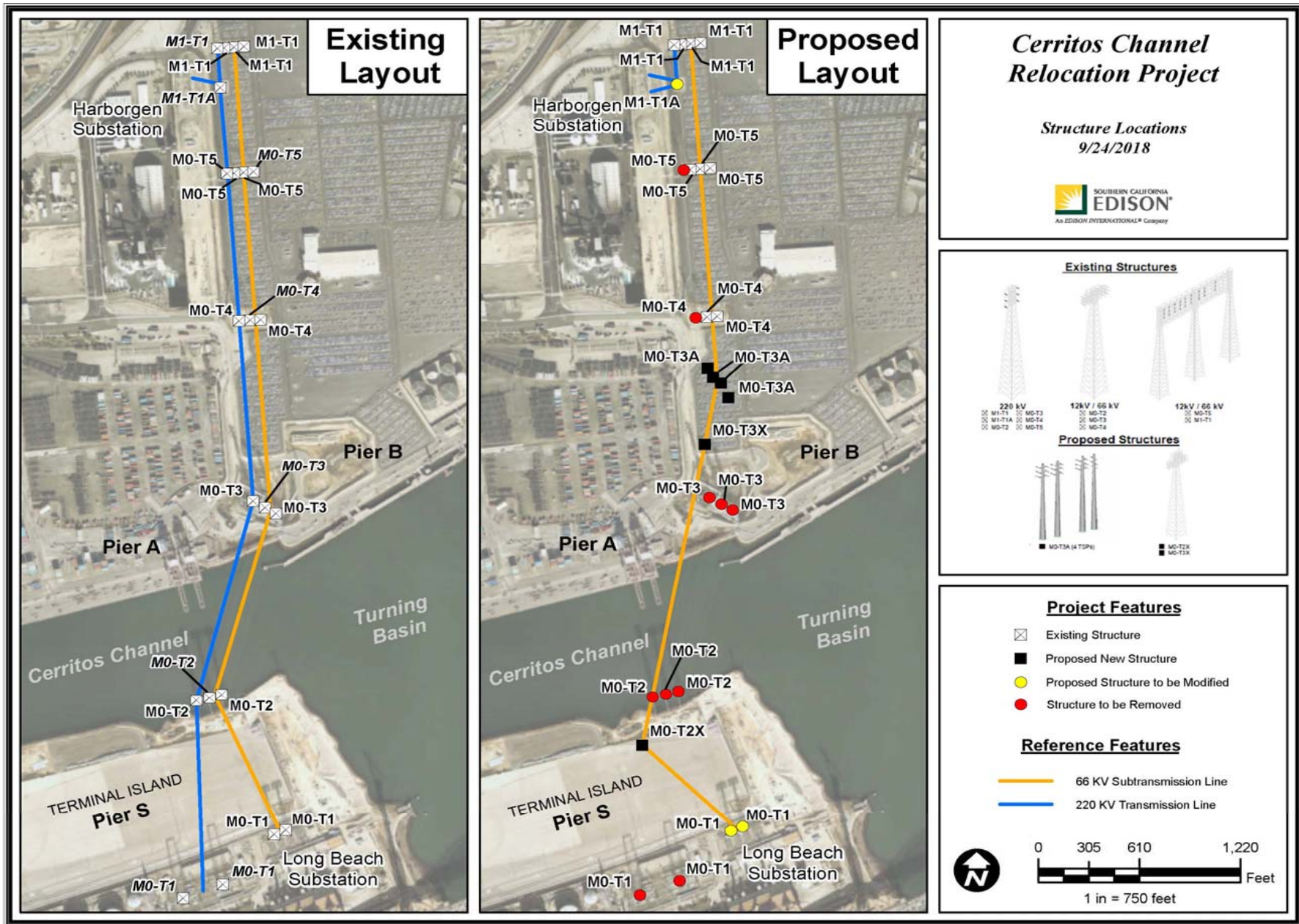
The six existing towers supporting the lines across the channel are located near Pier S and between Piers A and B; these towers are almost 100 years old, therefore, SCE will be replacing them with two updated lattice steel towers (LSTs). The towers will also be in new locations to allow continued 66kV service to SCE's customers while the new towers are being built:

- the new south tower (M0-T2X) will be located on Pier S
- the new north tower (M0-T3X) will be built on SCE's right-of-way (ROW) near Carrack Ave and Pier A Way

Four smaller, tubular steel poles (TSPs) will be added within SCE's ROW near the new north tower (M0-T3X) to serve as a transition point between the new conductor configuration at M0-T3X and the existing conductor at tower M0-T4.

The existing 220kV circuits crossing the channel were retired and the conductor and structures will be removed from the Long Beach Substation to the Harborgen Substation.

With the removal of the 220kV circuit up to Harborgen Substation, six old lattice steel towers (LSTs) will be removed. The foundations for the M0-T2 towers, located in the channel, will be removed after completion of the relocation work. The foundations at M0-T3 will be abandoned-in-place.



CCR Project Delays

- There have been a few delays for this project, including material delivery problems, inclement weather, licensing delays from regulators, and subcontractor scheduling issues. None of these delays have caused much of a project delay.
- Due to the unusual geotechnical make-up within the POLB, SCE hired an independent geotechnical consultant to review the geotechnical report and foundation designs. The evaluation conclusions and recommendations from the consultant will be made to SCE within March and the foundation design will be finalized.

These delays do not change the committed overhead clearance date of 11/15/19.

CCR Project Schedule

| Key Project Milestone | Current Schedule |
|--|---|
| Construction Mobilization | 10/15/18 |
| Protection Scaffolding at M0-T3 | 11/5/18 – 11/16/18 1/8/19 – 1/11/19 (wetland area) |
| Tower Material Delivery | 9/28/18 - 1/15/19 |
| Removal of 220kV Conductor from Harborgen to Long Beach Substation * | 11/14/18 – 12/12/18 |
| Historic American Engineering Record (HAER) approved by the National Park Service (HAER CA-2344-A) | 12/18/18 |
| Finalization of geotechnical report and foundation design | 3/2019 |
| Removal of M0-T1 220kV Towers (weather dependent) | 4/2/19 – 4/19/19 |
| Installation of New Tower Foundation | TBD 2019 |
| Tower Erections M0-T2X, M0-T3X, M0-T3A | TBD 2019 |
| Conductor Installation * | TBD 2019 |
| Removal of M0-T2 and M0-T3 220kV Towers | TBD 2019 |
| Removal of M0-T2 and M0-T3 66kV Towers | TBD 2019 |
| Overhead Clearance Completion | 11/15/19 |
| Construction Completion for Phase 1 | 12/2019 |

* Helicopter used to remove and string conductor over the channel

CCR Project Contacts



For additional information or to coordinate access to project areas, please contact:

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