

Los Angeles Department of Water and Power  
Power System Engineering Division  
111 N. Hope Street, Room 1121  
Los Angeles, CA 90012

December 17, 2015

Attn: David Nevarez, PE  
Civil Engineering Associate  
Right of Way Engineering

Subject: LADWP BRRTP Crossing #40-5 to 40-6  
(120<sup>th</sup> St W & Ave G, Antelope Acres)  
Barren Ridge S.S. to Haskell S.S. T.L. R/W  
Vincent-Whirlwind & Antelope-Whirlwind 500kV  
APN 3266-006-023  
SCE File No. GRT203077155

Southern California Edison Company (SCE), has reviewed and approved your request for Department of Water and Power, City of Los Angeles (LADWP) crossing the SCE Transmission Line shown on the attached plans entitled "Crossing at Southern California Edison Span 40-5 to 40-6, Drawing Number L83-SCE-40.5, sheet 1 of 1, dated December 3, 2015, date stamped approved by RP on August 21, 2015.

As a utility operating high voltage electric lines which serve a major portion of Southern California, SCE's approval is granted subject to the conditions listed below to provide for the safety of others, to protect the electric system from damage and to prevent service interruptions.

This agreement is personal to LADWP, (Consentee) and is not transferable without SCE's prior written consent. Please be advised, you have one year (12 months) from the date of this Consent Letter in order to commence with construction of this project. If construction has not begun by that time, all plans must be re-evaluated to ensure compliance with the then current SCE Policies and Guidelines. This is necessary to verify no changes to the plans or scope of work were made that affect the consent conditions agreed upon. If during the time of the delay in commencement of work there were no changes made to SCE's "Policies and Guidelines", and no changes were made to the final plans, a simple refresh of the start date listed in the existing consent agreement may be negotiated.

P-88242

1. Adequate access to all structures must be provided and at no time is there to be any interference with the free movement of SCE's equipment and materials. (See Addendum 1 Table 1 - Standard Clearances)
2. At no time shall access to any SCE's facility be cut off or impeded in any way during any temporary grading operation.
3. All equipment working on the right of way must maintain a minimum clearance of 25-feet from all SCE structures in conjunction with the minimum clearances set forth in the California Code of Regulations, Title 8 Section 2946, Article 37 "Provisions for Preventing Accidents Due to Proximity to Overhead Lines" The minimum required equipment clearances also include SCE's Operating Conditions in which a minimum distance shall be maintained from all overhead conductors. (See Addendum 2 Table 2) If this minimum clearance cannot be maintained for any reason, LADWP will notify SCE and SCE may (at their own discretion), order an outage at the sole expense of the LADWP.
4. Existing SCE facilities shall be protected in place. Prior to starting work, the SCE Real Properties Agent assigned to this project, shall be notified of the intended method of protection (Cindy Calemmo 559/685-3210).
5. It must be emphasized that these conditions are given from a review of conceptual/ proposed plans, dated as shown, and submitted by LADWP. Any changes in the final plans may impose further review and further conditions to this agreement.
6. Any modifications of or changes in approved plans must be approved, in writing, by SCE Real Properties agent, prior to commencement of development.
7. Construction areas must be watered down periodically to prevent dust contamination of SCE's insulators. Any maintenance required by SCE on its facilities over and above normal, resulting from this operation, shall be paid for by LADWP.
8. The SCE right of way shall be left in a condition satisfactory to SCE. The cost to repair any damage caused by LADWP to the access roads, slopes, turnaround area, underground or overhead facilities, or any SCE facilities shall be paid for by LADWP.
9. LADWP agrees that all construction equipment, when not in use, shall be parked clear of SCE's right of way and rendered immobile.
10. Fill shall be compacted throughout their full extent to a minimum of 90 percent of maximum dry density as determined by A.S.T.M. Soil Compaction Test D-1557-78 and inspected and approved by the LADWP's Geotechnical Engineer.
11. LADWP understands that SCE will be maintaining its facilities, which includes washing of insulators.

12. Flammable or toxic materials must not be stored on the right of way.
13. Servicing, refueling, maintenance and/or repair of equipment on SCE's right of way are strictly prohibited.
14. Underground facilities installed on the right of way shall have a minimum cover of Three feet (up to Seven feet depending on facility type and location). The ground cover shall be a minimum of Five feet where the underground facility crosses access roads that are earthen. All underground facilities shall be capable of withstanding a gross load of 40 tons on a three-axle truck. All pipelines and underground facilities must conform to ASTM standards as well as any State and Local agency requirements and specifications.
15. Horizontal underground clearances from SCE structures or facilities must be a minimum of Ten feet. Vertical underground facilities clearances from SCE structures or facilities must be a minimum of Three feet, and possibly up to seven feet (depending on type of crossing and voltage). If underground crossings to SCE facilities are made by water lines, LADWP shall be responsible for potential underground installations that result in induced voltages (i.e. Cathodic Protection)
16. No additional structures or other development shall be permitted within the SCE right of way, other than those approved herein.
17. This Agreement must be in the possession of LADWP's employees or its contractors, while on SCE's right of way, as a condition for issuance of the Agreement.
18. SCE shall be held harmless from any damage resulting from the work being performed as described herein. In addition, approval of these drawings by SCE does not create any liability on the part of SCE arising out of the design or construction of the project. SCE reviews of project plans shall not replace permitting agency plan check.
19. Staging of equipment or materials shall not be permitted within the SCE right of way.
20. LADWP shall adequately account for existing hydrological patterns in proposed design such that storm water runoff and potential debris flows are adequately incorporated into the design. LADWP shall assume all liability for any damage on or off the right of way resulting from any grading on the right of way and/or change in water flow.
21. Cribbing and safety measures shall be installed if the ditch is to be left open or endangers SCE facilities.
22. All mechanical equipment, including trenchers, working on the right of way must maintain a minimum clearance of two (2) feet from all underground structures.

Prior to excavation, Underground Service Alert (1-800-227-2600 or 811) shall be notified of the proposed work. All excavation within two (2) feet of SCE's substructure shall be made with hand tools.

23. Construction of crossing (cut or fill) must be adequately sloped (2:1) to enable access of equipment onto access roads.
24. The SCE right of way shall be graded to provide positive drainage from all areas and have adequate channelization to prevent erosion of slopes and access roads.
25. No parking is allowed within SCE's right of way.
26. Kite flying, metallic balloons, and model airplane activities are prohibited on the SCE right of way.
27. Adequate grounding must be provided on all fencing and metallic structures. All grounding shall be engineered by a licensed Electrical Engineer in the state in which the work will be performed. A copy of grounding plans developed by the engineer, and used for the project, shall be provided to SCE for record.
28. No fencing is allowed on the subject right of way.
29. The LADWP and SCE Real Properties agent shall meet prior to occupancy of easement and commencement of work for inspection of all involved structures to determine existing conditions. This inspection will include photographs of all damage (if any) and will be documented and signed by the above representatives.
30. A list of material stored must be provided to Real Properties Department.
31. It should be noted that there is an existing distribution wood pole line located along SCE the right of way. Please contact the local area District Planning Department for clearance of their facilities.
32. SCE shall be notified seven (7) days prior to the start of construction in order that arrangements can be made for SCE personnel to monitor operations as deemed necessary by SCE. If special measures for monitoring, outages or protect in place measures are required by the project, the related expenses will be borne by the LADWP.
33. All tower and steel pole foundation projections are to be maintained between one and two feet above finished grade.
34. Under no circumstances shall SCE's right of way be used or dedicated by LADWP for any environmental mitigation efforts. Any water quality measures, such as bio-retention, bio-swales, or other water quality features requiring maintenance shall not be allowed on the right of way.

**Addendum 1 Table 1 Standard Horizontal Clearances from SCE Facilities**Towers, Engineered Steel Poles & H-Frame Voltages 161kv to 500kv

Lattice-Aesthetic & H-Frame (Dead-end)	100 ft.
Engineered Steel Poles (Dead-end)	100 ft.
Suspension Towers & H-Frames	50 ft.
Engineered Steel Poles (Suspension)	50 ft.

Towers, Wood and Lt-Weight Steel Poles & H frames Voltages 66kv to 115kv

Lattice Anchor Towers (dead-end)	100 ft.
Lattice Suspension Towers	50 ft.
Engineered Steel Poles with Foundation (TSP) (dead-end)	25 ft.
H-Frame	25 ft.
Wood poles	25 ft.
Light weight steel poles	25 ft.
Anchors Rods	10 ft.
Guy Wires	10 ft.
Guy Poles	10 ft.

**Addendum 2 - Table 2 Minimum Working Clearance-Distances**

<u>Voltage</u> <u>(Nominal, kV, alternating current)</u> <u>(Feet)</u>	<u>Minimum clearance distance</u>
Up to-50	10
Over 50 to 175	15
Over 175 to 350	21
Over 350 to 550	27
Over 550 to 1,000	45
Over 1,000	As established by the utility owner/operator or registered professional engineer who is a qualified person with respect to electrical power transmission and distribution.

Note: The value that follows "to" is up to and includes that value. For example, over 50 to 200 means up to and including 200kV.

All costs incurred for the proposed project shall be borne by LADWP.

This Consent is executed subject to General Order No. 69-C, of the Public Utilities Commission of the State of California dated and effective July 10, 1985, incorporated herein by this reference. As set forth in General Order No. 69-C, this grant is made conditional upon the right of SCE either on order of the Public Utilities Commission or on SCE's own motion to resume the use of the property in question (including, but not limited to the removal of any obstructions) whenever, in the interest of SCE's service to its patrons

or consumers, it shall appear necessary or desirable to do so. Consentee agrees to comply with all applicable federal, state and local laws and regulations. This Consent should not be construed as a subordination of SCE's rights, title and interest in and to its easements, nor should this Consent be construed as a waiver of any of the provisions contained in said easements or a waiver of any costs of relocation of affected SCE facilities.

All notice required to be given to SCE herein, shall be made in writing and shall be deposited in the United States mail, first class, postage prepaid, addressed as follows:

Southern California Edison Company  
Real Properties Department  
2131 Walnut Grove Ave.  
Rosemead, CA 91770

LADWP agrees, for itself, and for its and their agents and employees and any person or persons performing work on behalf of LADWP to save and hold harmless SCE, its successors and assigns and its and their officers, agents, and employees, from and against all claims, demands, loss, damage, actions, causes of action, expense and/or liability arising out of loss or damage to property, including the property of SCE, its successors and assigns, and their officers, agents, and employees, or injury to or death of persons resulting in any manner, directly or indirectly, from the maintenance, use, operation, repair or presence of the use approved herein (collectively or individually, a "Liability"). LADWP's obligation to save and hold harmless includes (without limitation), a duty to answer for any specified or unspecified Liability (e.g., by appearing and answering for claims filed against SCE on the basis of a Liability in a court of competent jurisdiction) and to make good on any loss or damage sustained by SCE thereto.

There are numerous sources of power frequency electric and magnetic field ("EMF"), including household or building wiring, electrical appliances and electric power transmission and distribution facilities. There have been numerous scientific studies about the potential health effects of EMF. Interest in a potential link between long-term exposures to EMF and certain diseases is based on the combination of this scientific research and public concerns.

While some 30 years of research have not established EMF as a health hazard, some health authorities have identified magnetic field exposures as a possible human carcinogen. Many of the questions about specific diseases have been successfully resolved due to an aggressive international research program. However, potentially important public health questions remain about whether there is a link between EMF exposures in homes or work and some diseases including childhood leukemia and a variety of other adult diseases (e.g. adult cancers and miscarriages). While scientific research is continuing on a wide range of questions relating to exposures at both work and in our communities, a quick resolution of the remaining scientific uncertainties is not expected.



Since you plan to enter SCE’s right of way that is in close proximity to SCE’s electric facilities, SCE wants to share with you and those who may enter the property under this agreement, the information available about EMF. Accordingly, SCE has attached to this document a brochure that explains some basic facts about EMF and that describes SCE’s policy on EMF. SCE also encourages you to obtain other information as needed to assist you in understanding the EMF issues with respect to your planned use of this right of way.

It is the Consentee’s responsibility to determine if the consent of any other party owning an interest in the property is required to obtain such consent prior to engaging in any activity permitted hereby on the property.

This Consent shall not affect or supersede any pre-existing rights or obligations set forth in any easements and/or documents recorded against the property to which this Consent applies.

We would appreciate the project completion date inserted in the space provided below.

Please have LADWP sign and date the enclosed copy of this letter, thereby indicating acceptance of the above conditions, and return the signed copy to this office using the enclosed envelope.

As previously indicated, it is necessary that the use of the land within an operating high voltage transmission line right of way be closely coordinated. For this reason, it will be necessary for SCE to assume your project has been either delayed or cancelled in the event the copy of this letter has not been signed and returned within sixty (60) days from the date of this letter. Should this occur, any consent granted or implied is voided without further notice in order to protect our rights and facilities. If the project is subsequently reactivated, please contact SCE again prior to the start of any construction, referencing our Real Properties file number. We will then work together with you to ensure the project is coordinated so as to avoid interference with SCE installations and operations.

SCE appreciates the opportunity to review your plans and thanks you for your cooperation in coordinating your project with our company. If you have any questions please contact me at (559) 685-3210.

**DEPARTMENT OF WATER AND POWER**

**City of Los Angeles**

By \_\_\_\_\_  
DAVID H. WRIGHT, General Manager

Date \_\_\_\_\_

And \_\_\_\_\_  
BARBARA E. MOSCHOS, Board Secretary

APPROVED AS TO FORM AND LEGALITY  
MICHAEL N. FEUER, CITY ATTORNEY

AUG 30 2016

BY \_\_\_\_\_  
TIMOTHY J. CHUNG  
DEPUTY CITY ATTORNEY

Estimated Completion Date: 7.15.16

**SOUTHERN CALIFORNIA EDISON COMPANY**

Accepted and Approved – Dated: April 20, 2016

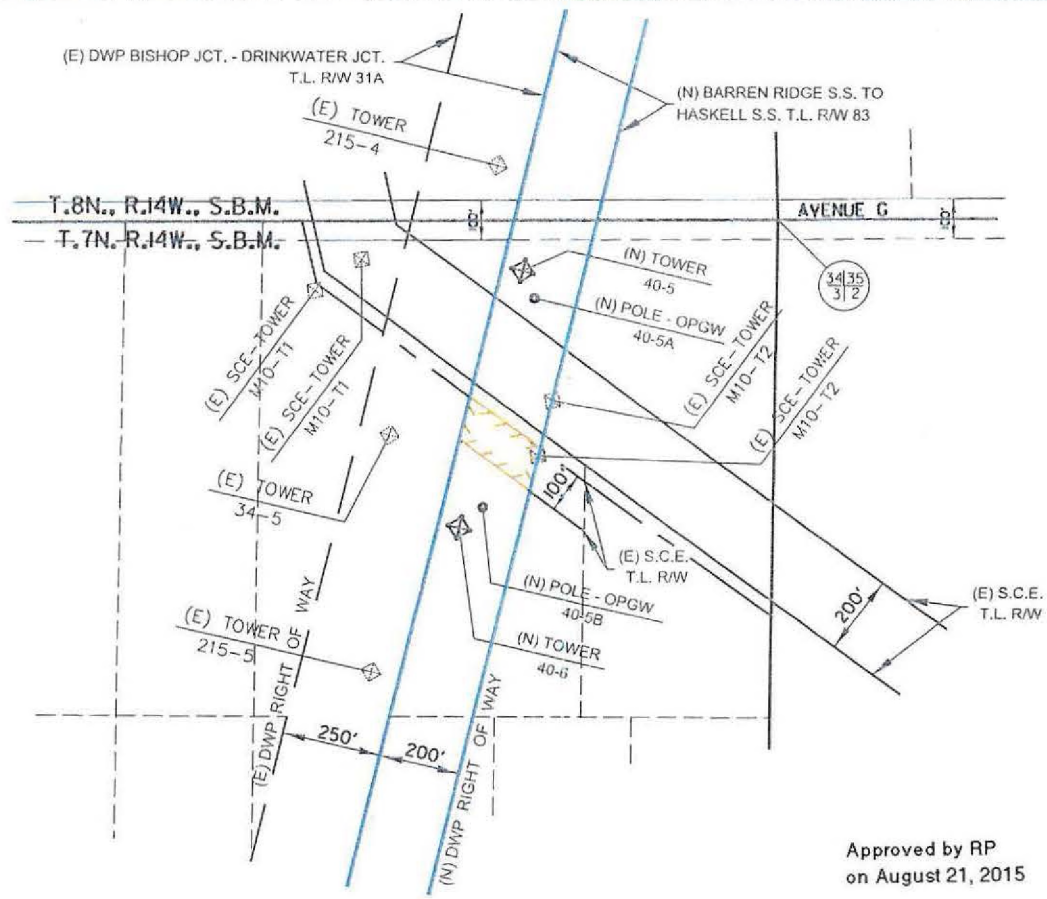
Signature: Cindy Calammo

Print Name: CINDY CALEMMO

Title: Project Manager

Approved as to Conditions  
Provided by  
Power System Right of Way Engineering  
DN Mike James  
Right of Way Engineer  
Power System





Approved by RP  
on August 21, 2015

REVISION			CROSSING AT SOUTHERN CALIFORNIA EDISON SPAN 40-5 TO 40-6 BARREN RIDGE S.S. TO HASKELL S.S. T.L. R / W			
NO	DRN	CKD				
ENGINEERING APPROVAL			DRN	CKD	12/03/15	
FINAL APPROVAL RELEASE SIGNATURE			EP	DN	12/03/15	
DESCRIPTION			POWER SYSTEM			DRAWING NUMBER
			DEPARTMENT OF WATER AND POWER			L83-SCE-40.5
			CITY OF LOS ANGELES			

REF:

1. ASSESSORS PARCEL NUMBERS: 3266-006-021 AND 401.
2. PARCEL 326661, DRAWING NO. L83-CO423
3. STRUCTURE COORDINATES ARE STATE PLANE NAD83, CA ZONE V, U.S. SURVEY FOOT

