

Southern California Edison
RTRP A.15-04-013

DATA REQUEST SET A1504013 ED-SCE-07

To: ENERGY DIVISION
Prepared by: Dana Cunningham
Title: Project Manager
Dated: 07/10/2017

Question PD-1 Q.1:

Please confirm the dimensions of temporary underground work areas or provide updated dimensions.

1. SCE previously provided revised Table 2.5-3a: Land Disturbance Estimates (see Response to Deficiency Report No. 4, Q.04), which indicates a disturbance area dimension of 100 feet wide by 150 feet long for underground vault installation. This dimension is wider than any of the roadways where underground construction is proposed and would necessitate road closures and potentially impacts to residential property and structures (see Attachment A). This information conflicts with GDAD workspace data (also depicted in Attachment A) and the information provided in the Traffic Impact Study (see Response to Deficiency Report No. 4, Q.16) which indicates that the area of disturbance would be approximately 15 feet on all sides of vaults, for a total of 38 feet wide.

- a. Please indicate which disturbance dimension is accurate for vault installation.
- b. What types of activities would necessitate the vault work area dimensions of 100 feet wide by 150 feet long?
- c. How long would it take to install a single vault?



A1504013 ED-SCE-07 Transmittal.pdf

Response to Question PD-1 Q.1:

The following information is conceptual, representing typical construction practices preliminarily deemed appropriate for the Riverside Transmission Reliability Project (RTRP) based on planning level assumptions, analyses performed to date, and known conditions. The precise methods and manner of construction, including the dimensions of temporary underground work areas, are subject to change following completion of final engineering, identification and/or verification of field conditions, completion of surveys, availability of labor, material, and equipment, compliance with applicable environmental and permitting requirements, and other factors.

- a. The 150' x 100' dimension is the accurate estimated vault work area. The disturbance

area will not always center on the vault and in cases where this estimated area would not readily fit inside the depicted GDAD areas, the exact dimensions will be adjusted to remain within the GDAD buffer areas but retain the same total estimated disturbance acreage where feasible.

b. Vault work area activities include, but are not limited to the following: receiving and siting material; crew show-up; vault excavation; placing shoring; preparing the excavation for the vault; positioning/parking/mobilizing construction vehicles/equipment (*e.g.* , excavators, pullers, cable dollies, crew pickup trucks, the crane, dump trucks, cement trucks, semi-trailer trucks, *etc.*) throughout the work area; setting the vault; placing concrete; and restoration. Combined, these activities require the identified estimated work area.

c. A single vault is estimated to take 7 days to install.

Southern California Edison
RTRP A.15-04-013

DATA REQUEST SET A1504013 ED-SCE-07

To: ENERGY DIVISION
Prepared by: Dana Cunningham
Title: Project Manager
Dated: 07/10/2017

Question PD-1 Q.2:

Please confirm the dimensions of temporary underground work areas or provide updated dimensions.

2. Revised Table 2.5-3a indicates a disturbance area dimension of 30 feet wide for installation of the transmission duct bank. This width is wider than 68th Street east of Wineville Avenue and would necessitate closure of that roadway segment during construction (see Attachment A). This information also conflicts with the information provided in the Traffic Impact Study (see Response to Deficiency Report No. 4, Q.16) which indicates that the area of disturbance would be approximately 15 feet on both sides of the trench, for a total of 34.5 feet wide.

- a. Please indicate which disturbance dimension is accurate for transmission duct bank installation.
- b. Please clarify whether the indicated width is for a single duct bank or both proposed duct banks?



A1504013 ED-SCE-07 Transmittal.pdf

Response to Question PD-1 Q.2:

The following information is conceptual, representing typical construction practices preliminarily deemed appropriate for the Riverside Transmission Reliability Project (RTRP) based on planning level assumptions, analyses performed to date, and known conditions. The precise methods and manner of construction, including the dimensions of temporary underground work areas, are subject to change following completion of final engineering, identification and/or verification of field conditions, completion of surveys, availability of labor, material, and equipment, compliance with applicable environmental and permitting requirements, and other factors.

- a. The 30' width is the accurate estimated duct bank work area. Similar to the vaults described in SCE's response to PD-1, Q.1, the disturbance area will not always center on the trench and in cases where this estimated area would not readily fit inside the depicted GDAD

areas, the exact dimensions will be adjusted to remain within the GDAD buffer areas but retain the same total estimated disturbance acreage where feasible.

- b. Each duct bank has a 30' width.

Southern California Edison
RTRP A.15-04-013

DATA REQUEST SET A1504013 ED-SCE-07

To: ENERGY DIVISION
Prepared by: Dana Cunningham
Title: Project Manager
Dated: 07/10/2017

Question PD-1 Q.4:

Please confirm the dimensions of temporary underground work areas or provide updated dimensions.

4. Would the temporary work areas for duct banks and vaults, including staging of equipment, be the same as the disturbance area identified in Table 2.5-3a?



A1504013 ED-SCE-07 Transmittal.pdf

Response to Question PD-1 Q.4:

The following information is conceptual, representing typical construction practices preliminarily deemed appropriate for the Riverside Transmission Reliability Project (RTRP) based on planning level assumptions, analyses performed to date, and known conditions. The precise methods and manner of construction, including the dimensions of temporary underground work areas, are subject to change following completion of final engineering, identification and/or verification of field conditions, completion of surveys, availability of labor, material, and equipment, compliance with applicable environmental and permitting requirements, and other factors.

Yes, the estimated temporary work areas for duct banks and vaults are as depicted in the disturbance area identified in Table 2.5-3a.

Southern California Edison
RTRP A.15-04-013

DATA REQUEST SET A1504013 ED-SCE-07

To: ENERGY DIVISION
Prepared by: Gary Busteed
Title: Environmental Project Manager
Dated: 07/10/2017

Question NO-1:

Provide hourly power flow data for the afternoon and evening hours of June 6, 2017 for the following transmission lines:

- **Chino-Serrano**
- **Chino-Viejo**
- **All transmission lines that cross Eucalyptus Avenue in Eastvale at the location where corona noise was measured for the 2016 Noise Technical Report.**

The CPUC's noise specialist has conducted corona noise measurements of the above transmission lines. Power flow is one factor that influences corona noise. Power flow data that coincides with the date and time of measurements will support the correlation of corona noise levels with power flow levels.



A1504013 ED-SCE-07 Transmittal.pdf

Response to Question NO-1:

Attached is an excel table containing the power flow data for the 220kV Chino-Serrano and Chino-Viejo Transmission Lines in Chino Hills State Park. The attached excel document also contains worksheets for the power flow data for the 220kV MiraLoma-Olinda and MiraLoma-Walnut Transmission Lines, the 500kV MiraLoma-Serrano #1 and #2 lines, and the 66kV MiraLoma-Corona-Jeff subtransmission line that cross Eucalyptus in Eastvale, California.

Please note that from 5:10am and 10:28 am on 6/6/2017 there was an outage on the MiraLoma-Serrano #1 line. The dropped load was carried on the MiraLoma-Serrano #2 line during that time. SCE notes this in the event this outage occurred at a time during which the CPUC's noise specialist was measuring Corona Noise in that area.

Also, in reviewing the data, SCE noted that there may be a data capture error from 6:15am to 4:12pm on the MiraLoma-Corona-Jefferson 66kV subtransmission line. The overall values however, will give you an idea of the average flow during that time.

SCE intends to modify and re-submit the Noise Report to reflect the dB measurements taken from the Chino-Serrano and Chino-Viejo 220kV lines.