



## MEMORANDUM

Date: November 28, 2016

To: Jennifer L. Kaminsky, SDG&E

From: Doug Maher, Icon Building Supplies

Re: SX-PQ Pre-Construction Road Condition Assessment for Staging Yards

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On November 10, 17 and 22 2016, Icon Building Supplies conducted a pre-construction road condition assessment of all entrances and exits to the staging yards anticipated to be used during construction of the Sycamore to Penasquitos 230 kV Transmission Line Project to satisfy the pre-construction requirements of mitigation measure TRA-3.

***MM TRA-3 states:*** *Prior to construction, SDG&E shall conduct a pre-construction road condition assessment along the underground transmission line route and entrances and exits to all staging yards. SDG&E shall submit the pre-construction road condition assessment to the CPUC and the local jurisdiction (e.g., City of San Diego or City of Poway). If damage to roads occurs as a result of project construction or construction vehicle traffic, SDG&E shall restore damaged roadways within 60 days after the completion of construction at their own expense under the direction of and to the construction standard of the affected local jurisdiction to ensure that impacted roads are adequately repaired.*

During the assessment, the roadway and driveways of potential construction staging yards to be used during construction were examined to identify any pre-existing damage. Photographs, aerial photographs (collected via aerial drone) and videos of the staging yards were collected. The attached report summarizes the observations made as part of the assessment. The following yards are including in this assessment:

- Mission Substation
- Evergreen Nursery Staging Yard
- Carmel Valley Staging Yard
- Stowe Staging Yard
- Stonebridge Staging Yard
- Vulcan Mine Yard (Yard 1A)
- Vulcan Mine Yard (Yard 2)
- Vulcan Mine Yard (Yard 3)
- Shire Staging Yard (Yard 4a)
- Alternative Shire Staging Yard (Yards 4a and 4c)
- Driving Range Yard (Yard 5)

The Sycamore Substation, Penasquitos Substation and Mission Substation entrances are located off of Marine Corps Air Station Miramar and San Diego Gas & Electric maintained non-public roads and are not included in this assessment report.

**STONEBRIDGE STAGING YARD:**

This aerial photo shows the entrance to the Stonebridge Staging Yard. No noticeable cracking or damage to concrete visible on entrances to the yard. Some scratches are visible.



Stonebridge Yard - Aerial Photo taken 11/10/2016

**SHIRE STAGING YARD (Yard 4A):**

Existing asphalt is scarred and chips exist on the concrete drive entrance. Scratches also exist in the concrete on the drive-way entrance and the asphalt in the roadway. Cracking observed in the concrete gutter and cracking in existing asphalt roadway.



Shire Yard - Photo taken 11/17/2016

Cracking of curb and gutter and cracking of asphalt roadway.



Shire Yard - Photo taken 11/17/2016

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Cracking of curb and gutter and cracking of asphalt roadway.



Shire Yard - Photo taken 11/17/2016

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Cracking of curb and gutter and cracking of asphalt road way.



Shire Yard - Photo taken 11/17/2016

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Existing driveway beyond the entrance, the existing asphalt is approximately 1 ½" from finished grade.



Shire Yard - Photo taken 11/17/2016

Scratches and chips to concrete at entrance way to yard.



Shire Yard - Photo taken 11/17/2016



Photo of interior conditions of Shire Yard.



Photo taken 11/17/2016

**Driving Range Yard (Yard 5):**

Extensive cracking of concrete drive approach. Existing asphalt is in deteriorated condition throughout the entire drive. Cracking in the concrete gutter and cracking in existing asphalt road way.



Driving Range Yard Photo taken 11/17/2016

Concrete shows cracking.



Driving Range Yard Photo taken 11/17/2016

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Asphalt is deteriorated and concrete shows cracking.



Driving Range Yard Photo taken 11/17/2016

Concrete shows cracking.



Driving Range Yard Photo taken 11/17/2016

Concrete shows cracking.



Driving Range Yard Photo taken 11/17/2016

Concrete shows cracking.



Driving Range Yard Photo taken 11/17/2016

Existing damaged concrete north of project entrance.



Driving Range Yard Photo taken 11/17/2016



**SITES 4A & 4B – ALTERNATIVE SHIRE YARD:**

A construction entrance would need to be developed for this yard or the yards could be accessed via the existing cul-du-sac that serves an adjacent facility.

The photo below shows the entrance to the cul-du-sac.



Alternative Shire Yard Photo taken 11/22/2016

**SITES 1A & 1B – VULCAN MINE YARD:**

## Sycamore to Penasquitos 230kV Transmission Line Project

The entrance to sites 1A & 1B is well maintained asphalt and does not show signs of any existing damage.



Vulcan Mine Yard Photo taken 11/22/2016

### **SITE 2 – VULCAN MINE YARD:**

## Sycamore to Penasquitos 230kV Transmission Line Project

The entrance point to site 2 (shown looking directly east) has minor scratching and cracking to the asphalt.



Vulcan Mine Yard Photo taken 11/22/2016

### **SITE 3 – VULCAN MINE YARD:**

## Sycamore to Penasquitos 230kV Transmission Line Project

The entrance point to site 3 would need to be developed. The photo shows the anticipated entrance point to this yard. The asphalt here is well maintained and does not show much signs of wear or damage.



Vulcan Mine Yard Photo taken 11/22/2016

### **STOWE STAGING YARD:**

## Sycamore to Penasquitos 230kV Transmission Line Project

The photo shows the anticipated entrance point to this yard on the south-side of the yard off of Stowe Drive. Driveway improvements would be needed to accommodate access to the site.



Stowe Staging Yard Aerial Photo taken 11/17/2016

The extent of the Stowe Staging Yard is captured in this aerial photo.



Stowe Staging Yard Aerial Photo taken 11/17/2016

**CARMEL VALLEY STAGING YARD:**

Considerable amounts of damage, cracking and scratching to both the concrete and the asphalt can be seen in this aerial photo of the entrance to the Carmel Valley Staging Yard.



Carmel Valley Staging Yard Aerial Photo taken 11/17/2016

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The entrance is located off of Camino Del Sur and most of the yard has been captured in this aerial photo:



Carmel Valley Staging Yard Aerial Photo taken 11/22/2016



**EVERGREEN NURSERY STAGING YARD:**

The entrance to the Evergreen Nursery Staging Yard appears to be at the intersection of Carmel Valley Road and Via Abertuna Drive. This photo shows the entrance on Via Abertuna Drive. Cracking and scratches to the asphalt and the concrete are visible.



Evergreen Nursery Staging Yard Aerial Photo taken 11/17/2016

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This photo shows the right turn onto Via Abertuna from Carmel Valley Road.



Evergreen Nursery Staging Yard Photo taken 11/22/2016

Sycamore to Penasquitos 230kV Transmission Line Project

Via Abertuna is shown looking south towards Carmel Valley Road.



Evergreen Nursery Staging Yard Photo taken 11/22/2016

Sycamore to Penasquitos 230kV Transmission Line Project

The entrance to the yard east off of Via Abertuna is shown here.



Evergreen Nursery Staging Yard Photo taken 11/22/2016

Sycamore to Penasquitos 230kV Transmission Line Project

The exit from the Nursery east off of Via Abertuna is shown here.



Evergreen Nursery Staging Yard Photo taken 11/22/2016