

**MEMORANDUM**

Date: March 7, 2016

To: Chuck Bohlken, ARB

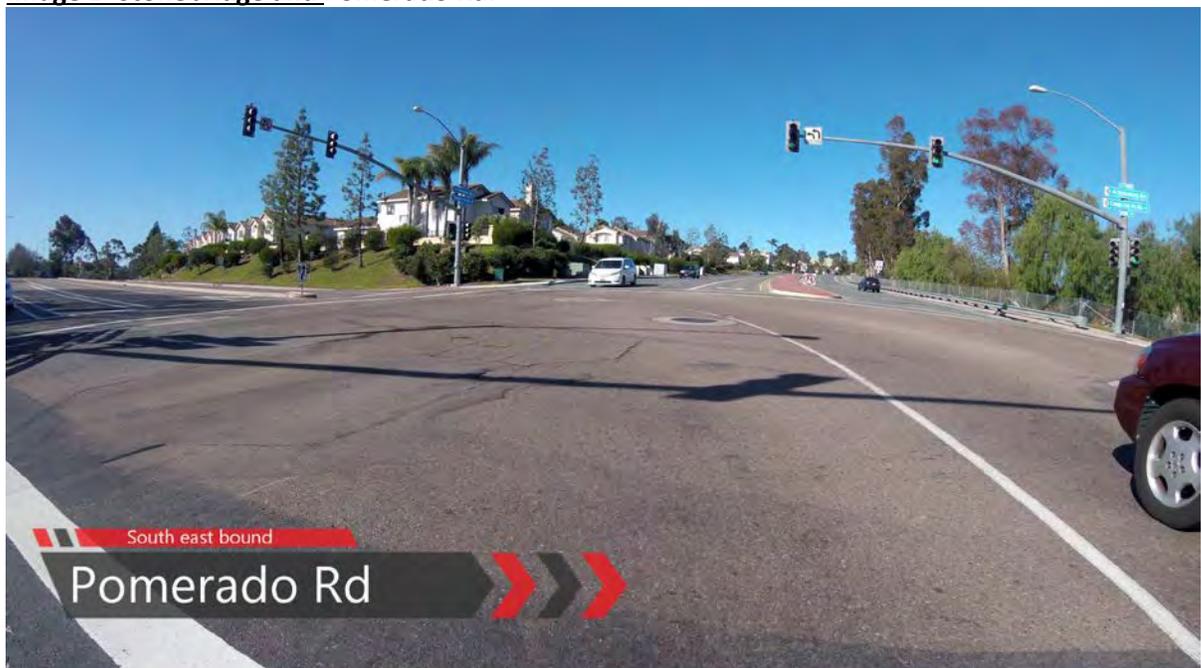
From: Matthew T. Van Eck, Icon Building Supplies

Re: SX-PQ Pre-Construction Road Condition – UG Alignment

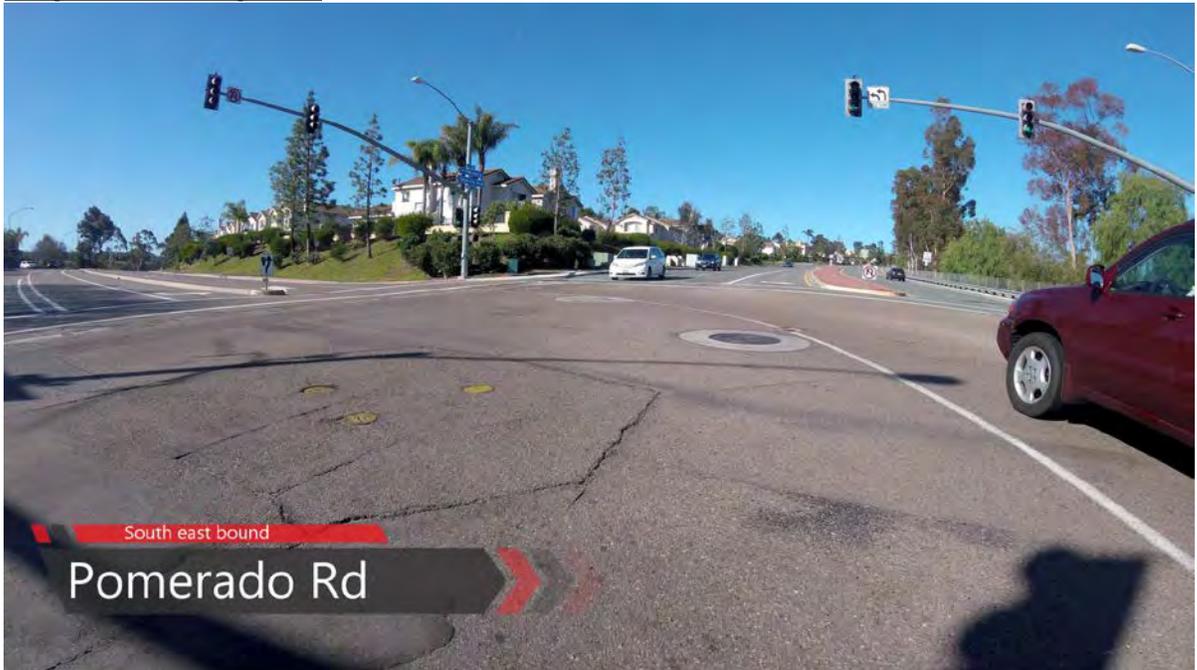
On March 1st 2017, Icon Building Supplies conducted a pre-construction road condition video assessment of Sycamore to Penasquitos 230 kV Transmission Line Project (Project) underground alignment to satisfy the pre-construction requirements of mitigation measure TRA-3. This report and the video documents the pre-existing pavement condition along the entire underground alignment of the Sycamore to Penasquitos 230 kV Transmission Line Project. The report provides a summary of the video and includes still frame photos extracted from the video with brief descriptions of observations made along the route. The time in the video is provided along with the name of the roadway.

**Stonebridge Parkway traveling westbound (video file name is “SX-PQ-West Bound.mp4”)**

- 1) Stonebridge Parkway: very well maintained, with little to no scratching or wear seen along the route.
- 2) Stonebridge to Pomerado Rd: southwest bound at 02:43, wear and cracking of pavement in the intersection observed.

**Image 1: Stonebridge and Pomerado Rd.**

**Image 2: Stonebridge and Pomerado Rd.**



- 3) Pomerado Rd.: the next 3 minutes of drive time show well maintained roadways.

**Image 3: Pomerado Rd.**



- 4) Pomerado Rd.: Scratching is visible at 05:04.

**Image 4: Pomerado Rd.**



- 5) Intersection of Pomerado Rd. and Avenida Magnifica: Cracking observed at 06:58

**Image 5: Pomerado Rd.**



- 6) Pomerado Rd.: Pothole at 07:04

**Image 6: Pomerado Rd.**



- 7) Pomerado Rd.: Minor cracking and wear continues to 07:36

- 8) Pomerado Rd.: At 07:36 excessive wear begins with pot holes at 07:39-7:41

**Image 6: Pomerado Rd.**



**Image 7: Pomerado Rd.**



9) Pomerado Rd.: Excessive wear continues till 08:08

10) Pomerado Rd.: Conditions improve until excessive cracking observed at 08:31-8:39

**Image 8: Pomerado Rd.**



11) Pomerado Rd.: Excessive cracking observed at 08:56

**Image 9: Pomerado Rd.**



12) Pomerado Rd.: Large hole and excessive wear observed at 09:00

**Image 10: Pomerado Rd.**



13) Pomerado Rd.: Large hole and excessive wear observed at 09:02

**Image 11: Pomerado Rd.**



14) Pomerado Rd.: Excessive cracking continues through 09:04 - 09:45

15) Pomerado Rd.: Road condition improves at 09:45 with minor cracking observed

16) I-15 Crossing: At 10:59 the route crosses the I-15 and road conditions remain good with minor cracking

17) Miramar Rd.: 11:22 begin west bound and at 11:23 potholes and cracking are observed

**Image 12: Miramar Rd.**



18) Miramar Rd.: Excessive cracking observed at 12:03

**Image 13: Miramar Rd.**



19) Miramar Rd.: Pothole observed at 12:20

**Image 14: Miramar Rd.**



20) Miramar Rd.: Moderate cracking observed along Miramar road.

21) Black Mountain Rd.: turn North bound at 13:15, road is very well maintained.

22) Activity Rd.: turn west bound at 14:03, cracking in concrete drainage channel is observed.

**Image 14: Activity Rd.**



23) Activity Rd.: well-maintained with little to no cracking or wear.

24) Activity Rd.: Wear is observed at 15:27

**Image 15: Activity Rd.**



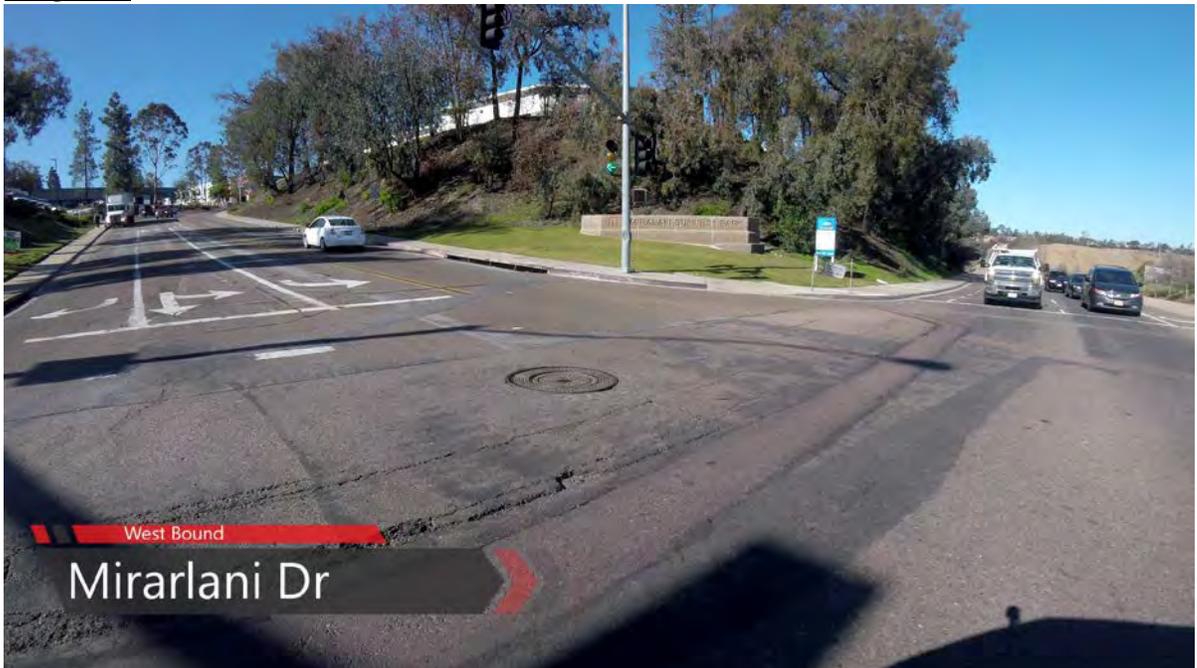
25) Camino Ruiz: Turn north bound at 15:53, visible cracking in concrete drainage channel. Camino Ruiz has moderate cracking along the route.

26) Miralani Dr.: turn west bound at 16:26, moderate cracking in intersection observed.

**Image 16: Miralani Dr.**



**Image 17: Miralani Dr.**



- 27) Miralani Dr.: Excessive wear observed at 16:36, 16:47, 16:50, 16:56, 16:58, 17:11, 17:21, and 17:27

**Image 18: Miralani Dr.**



- 28) Arjons Dr.: west bound at 17:46, moderate cracking observed

- 29) Arjons Dr.: hole observed at 18:12

**Image 19: Arjons Dr.**



30) Arjons Dr.: Hole observed at 18:50

**Image 20: Arjons Dr.**



31) Arjons Dr.: Hole observed at 18:57

**Image 21: Arjons Dr.**



32) Trade Pl.: south bound at 19:24, excessive wear, damage, cracking entire length of road.

**Image 22: Trade Pl.**



33) Trade St.: west bound at 20:12, well maintained with some minor scratching

34) Cam Santa Fe: at 22:22 south bound, well maintained.

35) Carroll Rd.: at 23:24 west bound, well maintained.

36) Carroll Rd.: At 26:08 a flooded sign is seen. This area has been affected by the recent storms.

37) Carroll Rd.: At 26:30 a hole is seen.

**Image 23: Carroll Rd.**



38) Carroll Rd.: The remaining alignment of the UG route along Carroll Rd. is well maintained to the point where the alignment heads up the dirt access road off of Carroll Rd.

**Carroll Rd. traveling Eastbound (video file name is “SX-PQ-East Bound.mp4”)**

39) Carroll Rd.: east bound, minor scratching seen at 0:16-0:19

40) Carroll Rd. and Nancy Ridge Rd.: minor scratching at the intersection at 1:27

41) Carroll Rd.: major cracking and scratching on concrete portion starting at 2:05 to 2:30. Area is also flooded and muddy. After 2:30 the asphalted area resumes and is in good condition.

**Image 24: Carroll Rd.**



**Image 25: Carroll Rd.**



42) Carroll Rd.: the asphalt paving resumes and is well maintained with minor scratching as the alignment continues.

43) Camino Santa Fe: north bound at 05:17, the entire road is well maintained.

44) Trade St.: west bound at 5:50, cracking is evident mainly at the center of the west bound lane.

**Image 26: Trade St.**



45) Trade St.: a large pot hole is visible at 06:21.

**Image 27: Trade St.**



46) Trade St.: excessive wear to the road is visible at 06:59 just before the intersection of Carroll Rd.

**Image 28: Trade St.**



- 47) Trade St.: excessive wear continues until approximately 07:16 where minor cracking only continues along Trade St. with a few sections of excessive wear seen.
- 48) Trade St. to Trade Pl.: north bound at 07:47, the entire north bound portion of Trade Pl. is excessively worn. Large cracks are visible, many potholes are present and large sections of pavement are missing.

**Image 29: Trade Pl.**



- 49) Arjon St.: west bound at 08:34, road conditions improve; however cracking is present along the center of the road.
- 50) Miralani Dr.: at 10:06 the route continues north-easterly with minor wear and cracking in many places.
- 51) Miralani Dr. Excessive wear seen at 10:32

**Image 30: Miralani Dr.**



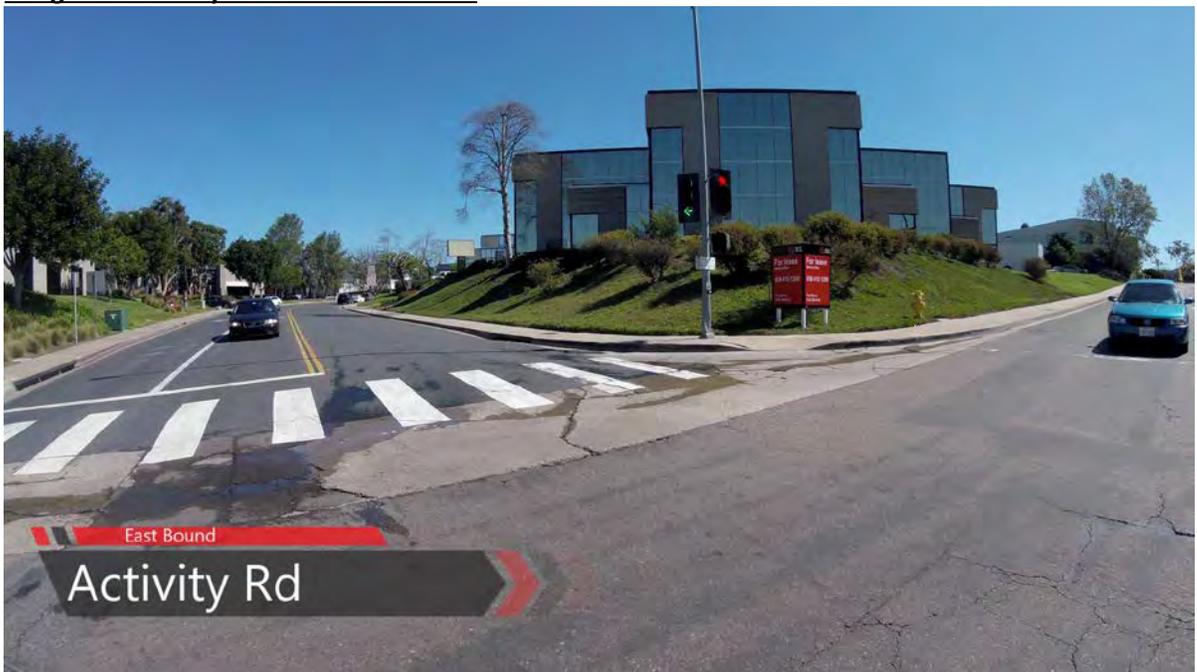
- 52) Camino Ruiz: At 11:29 the route continues south, many areas of cracking pavement and excessive wear seen at 11:36.

**Image 31: Camino Ruiz**



53) Activity Rd. and Camino Ruiz: west bound at 11:52, excessive wear and cracking at the intersection to the concrete drainage channel.

**Image 32: Activity Rd. and Camino Ruiz**



54) Activity Rd.: very well maintained with very little cracking and wear is seen

55) Black Mountain Rd.: at 13:30, route turn south bound, cracking is visible at the intersection in the concrete drainage channel.

**Image 33: Black Mountain Rd.**



56) Black Mountain Rd.: well maintained, little to no cracking visible.

57) Miramar Rd.: traveling east bound at 14:21, well maintained in the west bound lane with some areas of wear and scratching visible at 15:02, 15:12 and 15:23.

58) Miramar Rd.: At 15:30 the I-15 is crossed

59) Pomerado Rd.: begin east bound travel at 15:55, well maintained with only minor scratching until 17:07.

60) Pomerado Rd.: Pothole at 17:09

**Image 34: Pomerado Rd.**



61) Pomerado Rd.: Excessive wear continues through the intersection at Willow Creek Rd. at 17:10

**Image 35: Pomerado Rd.**



62) Pomerado Rd.: At 17:19 road conditions improve, but wear is evident again at 17:27 through the intersection of Scripps Ranch Blvd. at 17:42.

63) Pomerado Rd.: Conditions improve at 17:52 and there is cracking at 18:56 @ Intersection of Chabad Ctr Drwy.

**Image 36: Pomerado Rd.**



64) Pomerado Rd.: Cracking is seen at 19:26 @ Intersection of Avenida Magnifica.

**Image 37: Pomerado Rd.**



65) Pomerado Rd.: Conditions improve after this until a hole seen at 22:25.

**Image 38: Pomerado Rd.**



66) Pomerado Rd.: Excessive wear at 22:58

**Image 39: Pomerado Rd.**



67) Stonebridge Pkwy.: at 23:40 continue east bound, very well maintained for the remaining UG alignment.