

## Project Info

**MAR 1** 01 / 03 / 15

**CC** CC5™ Batched Roll

**#** 30m<sup>2</sup>

**V** Transverse layer

**G** Saku City, Nagano, Japan

**H** Karuizawa Greens Co.

**i** CC5™ was used to provide weed suppression around a street light power supply's cables



Completed installation



CC was cut to fit around the pipes and glued in place



Screws were inserted through the CC and concrete



The CC was secured then hydrated

In March 2015, Concrete Canvas® GCCM\* (CC) was used to provide weed suppression around electric cables at a power supply for a street light alongside a highway.

Prior to the installation, a maintenance team was having to cut down the weeds surrounding the power supply and cables around every 6 months. This task took a lot of time, due to the complexity and sensitivity of the task, as cutting or damaging the cable could not only mean the light loses power, but could be a health and safety issue. As a result, a solution was needed to mitigate the need for any future maintenance works on this area. Poured concrete was initially considered, but CC was identified as the best option due to its long-term weed suppression properties, 50-year design life, and ease and speed of install in comparison to traditional methods. The man-portable nature of the material also meant lane occupation during installation would be far less compared to traditional methods. The works were carried out by Karuizawa Greens Co. for Central Nippon Expressway Corporation (NEXCO).

The CC was delivered to site, unrolled and laid transversely below the power supply. Two cuts were made in the material to accommodate the cables, and the CC was slotted around them. The leading edge of the material was then glued to the edge of the concrete channel at the crest of the slope, then screws were used to secure it. The three other edges of the CC were then buried in anchor trenches, and the material was hydrated.

A total of 30m<sup>2</sup> of CC5™ were installed in 3 hours by 5 people on a complex project.

\*Geosynthetic Cementitious Composite Mat