# 01 HÉROES DEL CHACO BRIDGE RAMPS AND SLOPES

## STRATAWALL™ WALL AND STRATAWEB® SLOPES · TWO SCOPES ON THE SAME PROJECT

PROJECT CASE · ASUNCIÓN



The viaduct with the treated embankment at its foot: the wall holds the ramp, the geocell holds the slope

**23,000 m²**
OF STRATAGRID™ GEOGRID INSIDE THE WALL

**9 m**
MAXIMUM WALL HEIGHT

**72,000 m²**
OF SLOPES WITH STRATAWEB® GEOCELLS

**10 months**
TOTAL DURATION

**The challenge:** the access ramps of an urban bridge have to gain height in little space: there is no room for an embankment with a gentle slope, and that calls for a wall. And the slopes left in view, on a landmark project for the city, have to solve erosion and look good from day one.

**The solution: Ramps:** the wall on the Asunción side is a **StrataWall™** by Strata, up to 9 m high, with 23,000 m² of polyester geogrid **StrataGrid™** inside the wall, between layers of compacted fill. As Strata's representative, Ece did the design, supplied the geosynthetics, the parts and the moulds, and gave technical advice; the client made the blocks and installed the whole system. **Slopes:** Ece designed, supplied and installed 72,000 m² of slopes with geocells **StrataWeb®** filled, with Profile hydraulic mulch and turf reinforcement mesh: erosion control and landscape at the same time.

> **The scope is stated as it was:** on the wall, Ece provided the design, the materials, the moulds and the technical advice, and the construction was done by the client; on the slopes, Ece did the complete execution. They are two different jobs within the same project.



A slope under construction: on the left, the shaped soil; on the right, already covered



In the foreground, a slope already vegetated; in the background, a stretch still without vegetation

### PROJECT FILE

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| **Project** | Héroes del Chaco Bridge ramps and slopes |
| **Location** | Asunción · Asunción-side approach |
| **Products** | StrataWall™ with StrataGrid™ (wall) · StrataWeb® (slopes) |
| **Area** | 23,000 m² of geogrid in the wall · 72,000 m² of slopes |
| **Scope** | Ramps: design, supply of geosynthetics, parts and moulds, and technical advice (blocks and installation by the client) · Slopes: design, supply and installation |
| **Duration** | 10 months |