

## Environmentally friendly engineering

The engineering solutions that were adopted (metal deck and concrete piers) not only mean that the structure is exceedingly well integrated within the landscape, but have several other environmental benefits:

- **the amount of work performed** at the site is reduced because the deck members are prefabricated in a factory.
- **the volumes of materials required are smaller** than for a 100% concrete structure.
- **there is less machinery**, fewer lorries and less aggregate to transport: this means that worksite traffic causes less disruption and disturbance to the local population.



*After construction is finished, the worksite access roads will be removed and the land will be returned to its natural state.*

*(photo ASCO-TP)*

Measures have also been planned to **process water used** at the worksite so as to avoid soil pollution.

**Worksite waste management** is another part of the quality assurance plan which will be applied throughout the construction process.

**Permanent devices for recovering and treating storm water** and the residues from road cleaning are also built into the structure, so the same environmental concerns will still be met once the structure has been opened.