SUMMARY

Landshape emerges in the collision between the natural and human-dominated realms of the West. It imagines landscapes with a characteristic wildlife that depends on the place.

From the landscape, the wildlife emerges as an abstract construction, absorbed into the wilderness and the landscape. Three curves connect both parts at the valley scale. The first curve is the actual bridge; the second is the ground level that adjoins the valley. The third curve is the continuation of the natural migration over the bridge that transforms into a forest to shady on the center of the bridge itself. This ecological interplay is the starting point for the integration and design of the eco-system.

Proving the landscape identity, curves are the main organizing elements for the architecture of the land using structure. In a cross section, the curve forms the landscape and the wildlife that concave. At the same time, a curve in the perpendicular direction for the traffic that underlines. In longitudinal direction, a curve carries the curve passing landscape and wildlife. In the perpendicular direction, it is a proposition with a generative height testing the highway landscape and traffic undersides. The size of the landscape and wildlife needs to reflect in the size and form of the wildlife crossing and contribute to the landscape's identity.

These two main organizing curves are combined into a double curved surface from which a thin steel structure is generated. This ideal symmetrical surface combined with the reinitial topological constraints derived from the site's topology and morphologies, creates a form that is both contextual sensitive and at the same time will follow the natural curves of the forces. A natural, and at the same time artificial shape, a Landshape is created.

Landshape is a cost-effective and innovative solution for wildlife crossing. Combining proven technology with forward and state-of-the-art materials and forward parametric design tools into a cost-effective and feasible solution yet competing for the public and sensitive to the scale of the Great American landscape of the southern Rockies.
Landscape Concept

Cross-Section

Longitudinal Section

Concept Plan Legends:
- Stormwater management and natural wetland system
- Trails for recreation and education
- Fences for safety and protection
- Vegetation for habitat and aesthetics
- Retaining walls for slope stabilization
- Cross sections and elevations for design details

Arka and Arkaa

Note: The image contains architectural and design concepts related to landscape architecture, with sections, plans, and details illustrating the integration of natural and human elements.
STRUCTURAL CONCEPT

- Landscaping
  - Locally sourced
- Concrete shell
  - Lightweight
- Temporary framework membrane
  - Automatic cutting pattern generator
  - Recyclable
- Temporary cable net
  - Flexible topology
  - Recyclable
- Temporary supporting structure
  - Adjustable
  - Reusable
- Foundation

structural section
during construction

expanded view of construction concept

structural model of HMPA concrete form

concrete form structure plan

landscapescape