What is claimed is:

1. A regenerative brake system using regenerative braking that applies braking to a towing tractor configured to tow a cargo while recovering kinetic energy of the towing tractor by operating an electric motor that causes the towing tractor to travel along a travel path in which an underpass exists in a site as a generator, the regenerative brake system comprising:

a battery mounted on the towing tractor;

a slope detection sensor configured to detect whether or not the towing tractor is traveling on a slope of the underpass;

a vehicle-side power transmitting unit that is mounted on the towing tractor and transmits electric power generated by the electric motor by the regenerative braking when the slope detection sensor detects that the towing tractor travels down the slope of the underpass;

a power receiving device including a travel path-side power receiving unit that is installed in the slope and receives the electric power transmitted from the vehicle-side power transmitting unit; and

a power storage device that is installed in the site and connected to the travel path-side power receiving unit and stores only the electric power that is transmitted from the vehicle-side power transmitting unit and received by the travel path-side power receiving unit, wherein

the electric power stored in the power storage device is not transmitted to the towing tractor from the power receiving device and is not supplied to the battery of the towing tractor from the power receiving device.

2. The regenerative brake system according to claim 1, further comprising a charging station that is installed on the travel path and connected to the power storage device to charge the battery using the electric power stored in the power storage device.