

 Het afbeeldingonderdeel met relatie-id rid2 is niet aangetroffen in het bestand.

NATIONAL COMPANY FOR ROADS INFRASTRUCTURE ADMINISTRATION

**INTELLIGENT PARKING
A1 SIBIU – ORĂȘTIE HIGHWAY
KM 312 + 100**

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Location:

The “intelligent” parking area is placed on the A1 Highway, Sibiu – Orăştie sector, on the way from Sibiu to Orăştie at km 312 + 100, in the Sebeş Vest road junction.

Parking access:

The access to the parking can be made from the both directions of the Highway by the traffic roundabout located on DN7 (E69) on the northern side of the road junction.

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Informing traffic participants:

Informing traffic participants about the existence of the parking area is made on VMS panels (on deceleration band and highway) where are displayed information about the location of the parking area and available parking places.



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Access to the parking area:

The access in the parking area is restricted by two barriers who automatically open / close when a car is approaching.

If is necessary, the system can be remotely controlled by the operator from the Monitoring Center using a dedicated application.

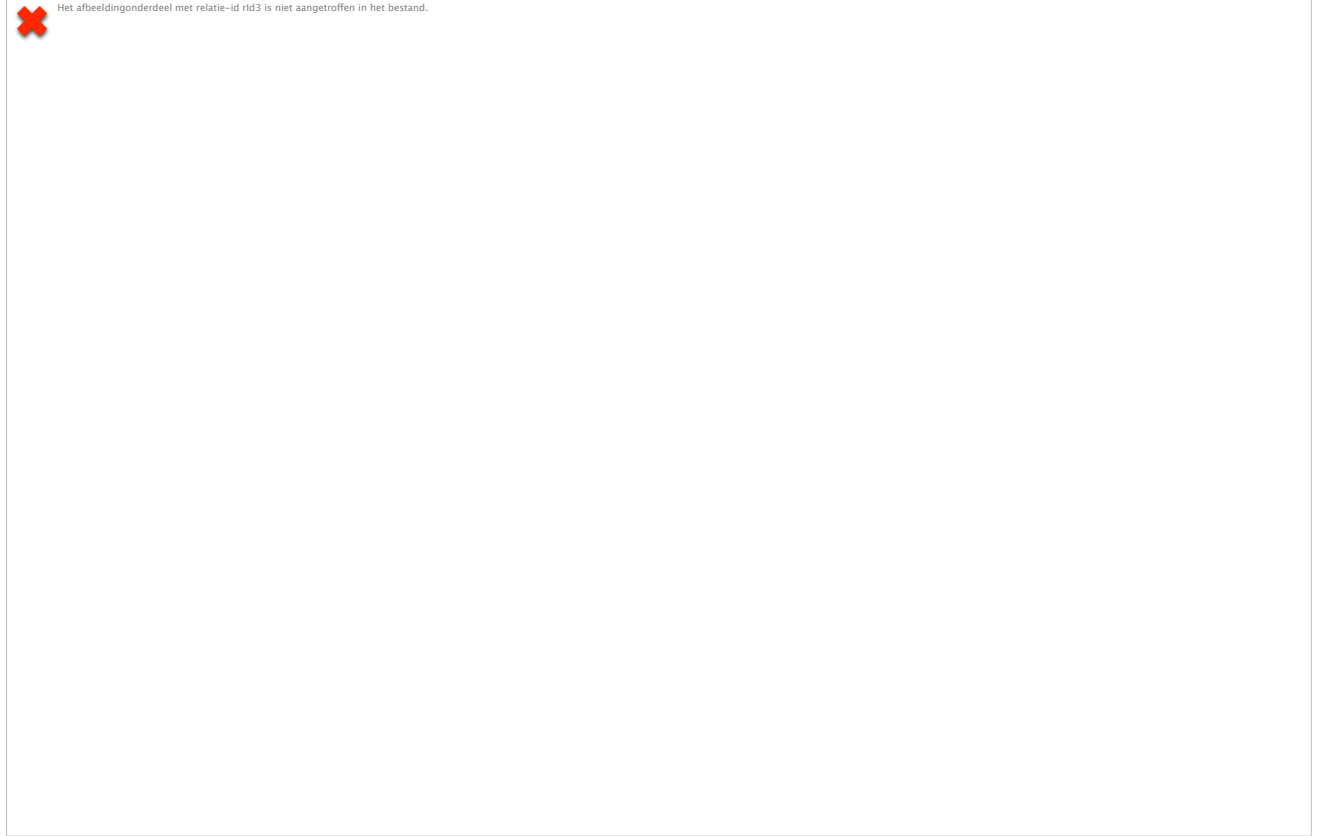


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Information regarding the available places :

The informations regarding the total number of the free spaces are provided with an electronic panel located at the entrance into the parking area, displaying the number of the free spaces for trucks and cars.

Inside the parking area, on each row are simple display panels for free spaces, enabling drivers to properly fit in time.



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The monitoring of the parking places:

The monitoring of the available parking places is achieved by a dual technology sensors (magnetic and IR) installed in the asphalt. In the dedicated application, places are signaled as follows:

Green - Available parking place

Red – Busy parking place

Gray - Reserved parking place

To avoid getting fake information, the truck parking places are monitored with two sensors, this way it will be know if the parking place is occupied by a car.



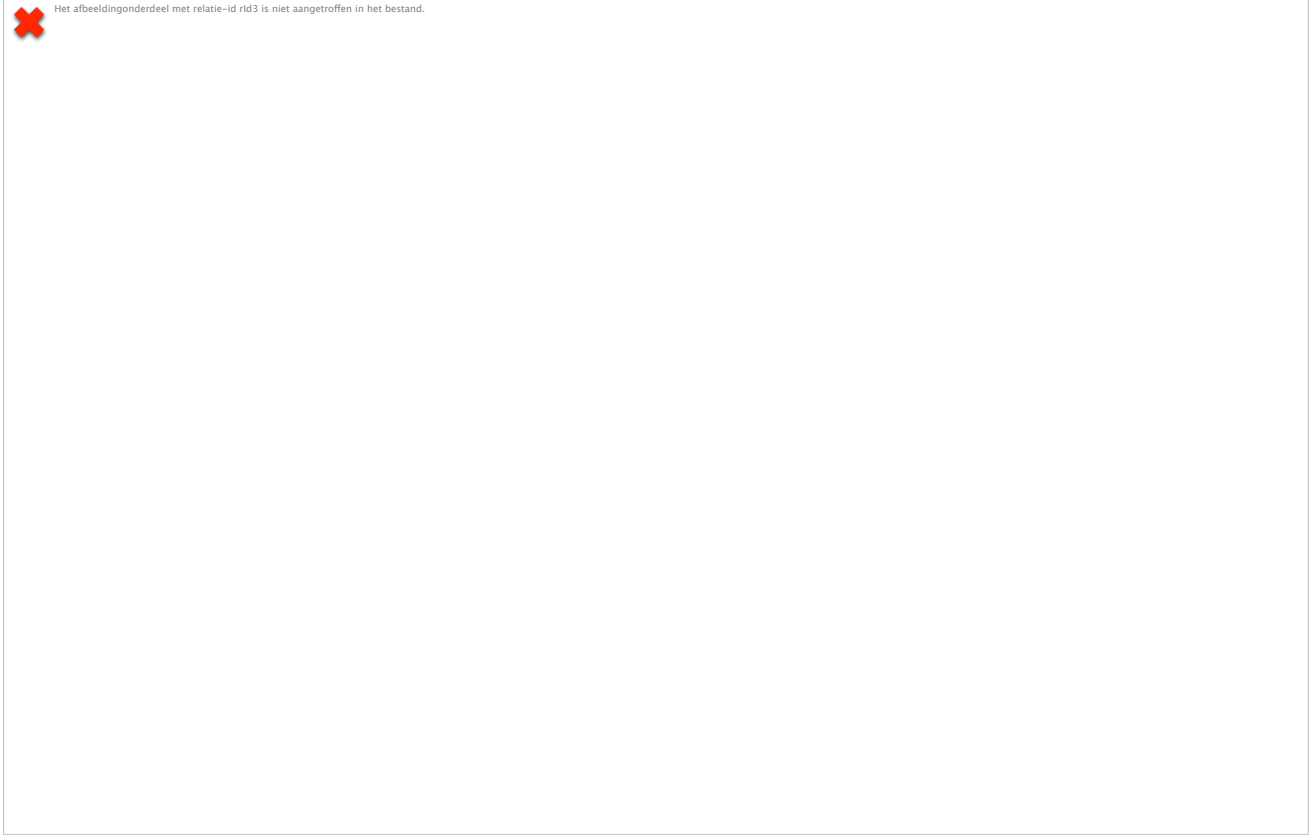
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Operation mod:

Inside the parking area, on each row, simple display panels are provided, allowing drivers to properly fit in time.

The informations are received by the three concentrator units and then transmitted via Radio Frequency to the central PC where the parking management system is installed.

This PC manages operation mode of barriers, simple panels for displaying the free places and VMS information panels. The system also allows reservation of parking places.



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Security:

The parking area is secured through:

- video cameras
- an emergency SOS point (which make the connection with the operators in the Monitoring Center)
- the controlled access system in the parking area through the barriers

It is necessary to contract the human security services through a company authorized by the General Inspectorate of Romanian Police.

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Number of
the parking
places:

The parking area have:

- 47 parking places for trucks
- 30 parking places for cars



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Parking place reservation:

The reservation of a parking place can only be done by phone or sms.

After receiving the reservation request the operator of the Monitoring Center booking the parking place and informs the driver regarding the number of the reserved place.

Services:

At present, parking is provided with space for services (WC), rest (recreation places with tables and benches).

Until the entry into service it is desired that the security services will be increased for this parking area (additional number of video cameras will be added, supplementary control measures will be taken to the access in the parking area, human security), at least one commercial space, shower rooms will be created.