In case of Kaunas urban node, the feasibility study as the project proposals was prepared. It included the outlines of the Park&Ride strategy. This document will be used by the local authority to prepare decisions regarding the further development and management of Park&Ride facilities, taking into account the role and potentials of individual car transport within urban, regional and interregional transport.

Combined transport systems were analyzed:

Park&Ride system – a transport system designed to encourage drivers to park their cars outside the city and use public transport to travel into the city (external ring) or to leave the cars near the city center (internal ring) and walk within the city center or choose future travel by other mode (bus, train or similar).

Kiss&Ride system – a facility designed system which allows commuters to be dropped off by car and complete their journey by public transport (train in our case).

The study defines the current state of the system under development. The inventory includes:
• Identification of existing facilities
• Identification of site ownership by facility
• Listing of transit and non-transit services provided along with responsible agency
• Identification of access attributes of each facility with respect to high occupancy vehicle and/or freeway networks
• Inventory of spaces provided and utilization and turnover rate, costs, etc.
Possible Park&Ride places were considered:

Possible close zone (internal ring) options for Park&Ride parking:

<table>
<thead>
<tr>
<th>No.</th>
<th>Code</th>
<th>Location</th>
<th>Type</th>
<th>Floors</th>
<th>Underground parking spaces</th>
<th>Surface parking spaces</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PG7-1</td>
<td>M.K.Čiurlionio str.</td>
<td>Multilevel</td>
<td>5</td>
<td>-</td>
<td>1050</td>
<td>Private territory</td>
</tr>
<tr>
<td>2</td>
<td>PG7-2</td>
<td>M.K.Čiurlionio str.</td>
<td>Multilevel</td>
<td>3</td>
<td>-</td>
<td>156-220</td>
<td>Private territory</td>
</tr>
<tr>
<td>3</td>
<td>PG8</td>
<td>Sporto str.</td>
<td>Underground</td>
<td>1</td>
<td>240</td>
<td>-</td>
<td>State land</td>
</tr>
<tr>
<td>4</td>
<td>PG9</td>
<td>Aukštaicių str.</td>
<td>Underground/surface</td>
<td>2</td>
<td>90</td>
<td>90</td>
<td>Private territory</td>
</tr>
<tr>
<td>5</td>
<td>PG10</td>
<td>Brastos str.</td>
<td>Multilevel</td>
<td>6</td>
<td>-</td>
<td>650</td>
<td>Existing</td>
</tr>
<tr>
<td>6</td>
<td>PG11-1</td>
<td>Veiverių rd.</td>
<td>Multilevel</td>
<td>2-4</td>
<td>-</td>
<td>480-960</td>
<td>State land</td>
</tr>
<tr>
<td>7</td>
<td>PG11-2</td>
<td>Veiverių rd.</td>
<td>Multilevel</td>
<td>2-4</td>
<td>-</td>
<td>480-960</td>
<td>State land</td>
</tr>
<tr>
<td>8</td>
<td>PG12</td>
<td>H. ir O. Minkovskį str.</td>
<td>Multilevel</td>
<td>6</td>
<td>-</td>
<td>1000</td>
<td>Private territory</td>
</tr>
<tr>
<td>9</td>
<td>PG13</td>
<td>Piliakalnio str.</td>
<td>Multilevel</td>
<td>6</td>
<td>-</td>
<td>800</td>
<td>State land</td>
</tr>
</tbody>
</table>
Possible far zone (external ring) options for Park&Ride parking

<table>
<thead>
<tr>
<th>No.</th>
<th>Direction</th>
<th>Location</th>
<th>Type</th>
<th>Floors (levels)</th>
<th>Parking spaces</th>
<th>PT lines (T-trolleybus, B-bus)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Jurbarkas, Tauragė, Šilutė</td>
<td>Raudondvario rd. (camping)</td>
<td>Surface (might multilevel)</td>
<td>be</td>
<td>1-2 and more</td>
<td>T7, T11, B 44</td>
</tr>
<tr>
<td>2</td>
<td>Jurbarkas, Tauragė, Šilutė</td>
<td>Raudondvario rd. (VT territory)</td>
<td>Surface (might multilevel)</td>
<td>be</td>
<td>1-2 and more</td>
<td>T7, T11, B 44</td>
</tr>
<tr>
<td>3</td>
<td>Klaipėda, Panevėžys, Šilutė</td>
<td>Žemaičių rd.</td>
<td>Surface multilevel</td>
<td>be</td>
<td>1-2 and more</td>
<td>B3, B23, B35, B37</td>
</tr>
<tr>
<td>4</td>
<td>Klaipėda, Panevėžys, Zarasai</td>
<td>Islandijos rd.</td>
<td>Surface multilevel</td>
<td>be</td>
<td>1-2 and more</td>
<td>T1, T2, T4, T13, T14</td>
</tr>
<tr>
<td>5</td>
<td>Klaipėda, Panevėžys, Zarasai</td>
<td>Jonavos str. (camping)</td>
<td>Surface multilevel</td>
<td>be</td>
<td>1-2 and more</td>
<td>100-200 and more</td>
</tr>
<tr>
<td>6</td>
<td>Vilnius, Zarasai</td>
<td>Savanorių ave.</td>
<td>Surface multilevel</td>
<td>be</td>
<td>1-2 and more</td>
<td>T11, T13, T14, B6, B16</td>
</tr>
<tr>
<td>7</td>
<td>Vilnius</td>
<td>Ateities rd.</td>
<td>Surface multilevel</td>
<td>be</td>
<td>1-2 and more</td>
<td>B16</td>
</tr>
<tr>
<td>8</td>
<td>Alytus, Marijampolė</td>
<td>T. Masiulio str.</td>
<td>Surface multilevel</td>
<td>be</td>
<td>1-2 and more</td>
<td>T5</td>
</tr>
<tr>
<td>9</td>
<td>Alytus, Marijampolė, Alytus, Marijampolė</td>
<td>6 fort ring</td>
<td>Surface multilevel</td>
<td>be</td>
<td>1-2 and more</td>
<td>T5, B39</td>
</tr>
<tr>
<td>10</td>
<td>Alytus, Marijampolė, Suvalkai</td>
<td>M.K.Čiurlionio str.</td>
<td>Multilevel</td>
<td>3-4 and more</td>
<td>200-600 and more</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Alytus, Marijampolė, Suvalkai</td>
<td>Kaunakiemio str.</td>
<td>Multilevel</td>
<td>2 and more</td>
<td>200-600 and more</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Alytus, Marijampolė, Suvalkai</td>
<td>Veiverių rd.</td>
<td>Surface multilevel</td>
<td>be</td>
<td>1-2 and more</td>
<td>T5, T7, T13, T14, T15, T16</td>
</tr>
<tr>
<td>13</td>
<td>Alytus, Marijampolė, Suvalkai</td>
<td>M. K. Čiurlionio str.</td>
<td>Surface multilevel</td>
<td>be</td>
<td>1-2 and more</td>
<td>T5, T7, T13, T14, T15, T16</td>
</tr>
<tr>
<td>14</td>
<td>Alytus, Marijampolė, Suvalkai</td>
<td>Veiverių rd.</td>
<td>Surface multilevel</td>
<td>be</td>
<td>1-2 and more</td>
<td>100-200 and more</td>
</tr>
</tbody>
</table>

After evaluation four most suitable scenarios were selected for the future study:

1. 2 sections, 3 floors Park&Ride lot at M.K.Čiurlionio str. next to Kaunas railroad station;
2. 2 sections, 3 floors Park&Ride lot at M.K.Čiurlionio str. next to Kaunas railroad station with vehicle elevator;
3. 2 sections, 3 floors Park&Ride lot at M.K.Čiurlionio str. next to Kaunas railroad station;
4. 2 sections, 5 floors Park&Ride lot at M.K.Čiurlionio str. next to Kaunas railroad station (entry from Juozapavičiaus str.);
The first scenario:
- 220 cars parking lot
- Investment 2.03 mln. EUR
- 1 parking space cost – 9230 EUR

Pros:
- Easy entrance
- Cost efficient plan scheme
- Cheap exploitation

Cons:
- High site costs (half of territory is not state owned)
- High costs for utility networks reconstructions
- High requirements for building exterior
The second scenario:
- 156 cars parking lot
- Investment 1.3 mln. EUR
- 1 parking space cost – 8470 EUR

Pros:
- Easy entrance

Cons:
- Complicated car elevation scheme
- High site costs (half of territory is not state owned)
- High costs for utility networks reconstructions
- High requirements for building exterior
The third scenario:
- 157 cars parking lot
- Investment 1.4 mln. EUR
- 1 parking space cost – 8460 EUR

Pros:
- Easy entrance
- Cheap exploitation

Cons:
- Site structure is not cost efficient
- High site costs (half of territory is not state owned)
- High requirements for building exterior
The forth scenario:
- 1050 cars parking lot
- Investment 7.4 mln. EUR
- 1 parking space cost – 7000 EUR

Pros:
- Cost efficient site structure
- Possible connection to station building (via tunnel)
- Cheap exploitation

Cons:
- Complicated entrance
- Part of Juozapavičiaus rd. reconstruction is necessary
- Conversion of railroad territory need to be done

Variants 1 or 1A are proposed for further development.
Feasibility study of Park&Ride strategy for Kaunas railway station concluded that the best selection for Park&Ride site development together with Rail Baltica would be variants 1 or 1A. But since there is no exact data about Rail Baltica passenger flows and Park&Ride service demand – the investments are too high at the moment. So as the first step, technical planning documents for Kiss&Ride and Park&Ride zones near Kaunas railway station were prepared within the NSB CoRe project.

Kiss&Ride zone is located in front of main Kaunas train station building. It includes 8 short-term parking lots. Park&Ride site is located near Kaunas train station building and contains 48 parking lots for long-term parking.