1 General

1.1 To maintain the safety of pedestrian traffic, and integrity of the infrastructure of the academic core of campus, considerations must be given during the design of each campus project for routing of service vehicles, delivery vehicles and emergency vehicles.

1.2 In general, campus deliveries from outside vendors are delivered to the Materials Management and Distribution Center (MMDC) to then be sorted and distributed throughout campus via box truck.

2 Vehicle Access Site Design

2.1 Campus site design vehicles shall be based on information found in the AASHTO Geometric Design for Highways and Streets (Latest Edition).

2.2 Campus site design shall utilize turning movement computer software. (i.e. AutoTURN)

2.3 Design Vehicles Classes for Campus site design:
   - WB-40
   - SU-30

2.4 Special consideration shall be given to the Purdue Fire Department Ladder Truck and the Purdue Utilities Department Vacuum Truck. Outside turning radius for these vehicles are as follows:

<table>
<thead>
<tr>
<th></th>
<th>Inside Radius</th>
<th>Outside Radius (Wall to Wall)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire Dept. Ladder Truck</td>
<td>18 ft.</td>
<td>40 ft.</td>
</tr>
<tr>
<td>Utility Vacuum Truck</td>
<td>25 ft.</td>
<td>50 ft.</td>
</tr>
</tbody>
</table>

2.5 Special Consideration shall be given to Waste and Recycling vehicles. Refer to Division 01 General 8813.7 Special Requirements – Trash Transfer and Recycling Areas - Section 3, Refuse Truck Considerations.

2.6 Other vehicles accessing the academic core of campus may be considered on an individual project basis with the approval of the Director of Campus Planning and Sustainability and the Civil Engineer of Campus Asset Management.