



**Innovative design and operation of new or upgraded  
efficient urban transport interchanges [Theme: SST.2012.3.1-2.]**

## City-HUB Project



**City-HUB Fact Sheet N° 2.1:  
Moncloa interchange, Madrid, Spain**

## Role of interchange

The interchange, situated at the northern edge of Madrid, but in a built-up area, provides a gateway to the city for over 265,000 people per day. The "Madrid Interchanges Plan" is the process between the exchange points of the interurban bus lines and the Circular Metro line. This plan consists of improvement of the already-existing transport interchange stations – Plaza Castilla, Moncloa, Avenida América and Príncipe Pío- and the construction of new interchange stations in Conde Casal, Chamartín and Plaza Elíptica in order to achieve a modal interchange network organized around Madrid's entrances in relation to the highway and the interior circular Metro route.

Due to capacity problems resulting from the growth in demand within the A-6 motorway corridor, the expansion of the Moncloa transport interchange station was carried out to relocate the Metro line 3 station as to improve passenger transit and provide parking spaces for bus inspections, together with new installations and equipment. This development was essential in order to carry out the expansion, or Arco (Arch) Module, of the station, as it freed up the required space that had previously been used for the Metro line 3 station and its garages.



**Figure 1:** Entrance to Moncloa interchange

## Location

The Moncloa interchange is located at an entrance point to Madrid in an area with many historic monuments and connects directly to Metro line 6, the Circular line that travels around the centre of the city and links to all of the key points on the Metro network. The opening of this station has achieved excellent results in terms not only of increased demand, but also in reductions in

surface-level bus journeys and improved journey times for both users and the transport companies.

## Modes of transport

There are currently 56 interurban bus routes, with over 4,000 journeys per day, over 287,000 passengers per day, and 310 journeys per hour between 8:00h and 10:00h. The urban bus routes serve 125,000 passengers per day, with 4,141 bus journeys. The Metro had about 170,000 journeys per day in 2010. Currently, Moncloa is the Metro station with the highest daily demand.

The Moncloa interchange achieves excellent results in terms of increasing demand for public transport, reducing surface level bus journeys, and improving journey times for both users and the transport companies. Passengers do not have to travel to stations in the outskirts of the city to use interurban bus services, as the interchange is located in the centre of the city and connects directly to Metro line 3 and 6, which link to all of the key points on the Metro network.

Bus services in the peak-hour are every 5 to 10 minutes, and access the underground bus station using an HOV lane. No private car parking is provided. Apart from the 56 interurban bus lines, there are 3 urban bus lines, 2 metro lines (line 3 and line 6) and 1 long distance bus line and a total of 12 operators in Moncloa interchange station (9 for interurban bus, 1 for urban bus, 1 for long distance bus and 1 for metro).