



CBE Segment Moulds for Anacostia and Rennes

St. Avertin, March 7th 2014. CBE Group has provided the best offers for the supply of segment moulds for the lining of the Anacostia River Tunnel project in Washington DC and the new part of the subway in Rennes, France.

Six sets of moulds will be delivered to Bay State Precast LLC for the 3, 84 km long Anacostia River Tunnel project in Washington DC. Each ring is composed of five standard and two key segments with an exterior diameter of 7620 mm a thickness of 305 mm and a width of 1829 mm. The segments will be manufactured in the Bay State Precast LLC factory located at Brandywine, near Washington DC. The CBE carousel which will accommodate these new moulds, had already been used successfully for the production of the Blue Plains tunnel segments, including the anchored gasket technology.

And once again, Bay State Precast has chosen the anchored gasket option for the Anacostia moulds. Before casting, the gaskets are directly installed inside the segment mould, instead of using a long gasket gluing procedure.

Both tunnels, Anacostia and Blue Plains are part of the Long Term Control Plan of the District of Columbia Water and Sewer Authority (DC Water) in order to make the rivers, Potomac and Anacostia River, of the city cleaner. The construction contract had been awarded to the Impreglio/Healy/Parsons JV in 2013, the tunnel is planned to be finished in March 2018.

CBE's scope of supply to the construction of the new subway line B of Rennes in Brittany, France comprises five sets of segment moulds with an exterior diameter of 9100 mm, a width of 1300 mm and 2000 mm and a thickness of 400 mm. The concrete rings will have a configuration of four standard, two counter-key and one key-stone and will line the 7,5 km long tunnel part of the metro. Additionally, CBE will design and install a carousel precast factory near the tunnel shaft entry at Bruz in order to produce nine concrete rings per day. The TBM is supposed to start tunnelling in November 2014. CBE Group already delivered moulds and precast facilities to the construction of the first subway line in Rennes back in 1997.

About CBE Group:

CBE Group is specialized in the engineering and the manufacturing of steel moulds, precast factories and maintenance equipment to manufacture concrete segments for all sorts of tunnels (subway, road, railway, cable, water...)

CBE Tunnels had been founded in 1987 by Robert Salmon, who managed the company until his retirement in 2005, when Didier Lefebvre, professional engineer, overtook CBE Tunnels and its industry partner MSCO in order to regroup them under the roof of the newly founded Lefebvre CEF Holding by baptizing them CBE Group.

Since the arrival of CEO Didier Lefebvre sales turnover is constantly climbing: 16 million Euros in 2006 up to 25 million Euros in 2012.

The group unites ten nationalities speaking twelve languages. The head office is located in Saint Avertin near Tours in the Loire Valley since 2007, the group's production sites are based in L'Île Bouchard and Yangling in China.

CBE Group now has an experience of more than 25 years and forged a worldwide reputation thanks to its presence in about forty countries and an export turnover of 95% of the total turnover. CBE Group started to develop its international vocation with its participation in the construction of the Channel tunnel.

Until present, CBE Group has delivered more than

- 350 precast facilities worldwide
- 116 carrousel type factories
- 12 000 segment moulds

CBE Group's fame is based on know-how, accuracy and quality. The group is organized in three inter-connected units:

- CBE Engineering

CBE has a design office that ensures the lay-out of segment moulds, of handling equipment and precast facilities according to the customer's requirement. The design office studies all the parameters of technical and financial feasibility of the various projects.

- CBE Industries

CBE Group has its own production means, and can, upon request, significantly increase its manufacturing capacity. Machining, assembly, 3D laser tracking, automatism or vacuum devices are made by CBE and a large network of industrial partners enables the group to profit from the most advanced techniques such as the 3-D laser cutting.

- CBE Services

In 2006, CBE developed its service department in order to make a significant improvement concerning customer's satisfaction. This unit offers the following services:

- assembly and installation of precast facilities
- moulds' control and repair
- general and preventive maintenance
- service technicians on site
- spare parts
- 24 hrs hotline

CBE Group is certified ISO 9001 version 2008.

For more information & pictures contact cbe@cbegroup.fr or visit our website on www.cbe-tunnels.com