Glasgow, Scotland

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Glasgow Over The Years

The present site of Glasgow has been settled since prehistoric times. Glasgow Over The Years

Glasgow started out as a small rural settlement along the River Clyde. It expanded to a royal burgh then to the establishment to the University of Glasgow, which was founded in 1451. In 1707, Glasgow became a prominent hub of international trade to and from the Americas. By the end of the eighteenth century, over forty-seven billion pounds of tobacco was being imported by the city of Glasgow in Scotland. The construction of the Clyde Arc Bridge started in May 2005 and it was given officially to public in September 2006. The design of the major piers starts with a circular shape at the bottom part, which tapers inwards at the top part and ends at the springing point of the arch. The white color of both the steel arch and the hanger bars is in accordance with the white prevailing colour of the existing buildings. At night the purple and maroon changing LED system enhances the dramatic effect of the diamond shaped arch. It is significant because it enhances the general redevelopment of the southern areas and due to its pioneered design it provides an iconic gateway to the city.

Diagram 1
The Clyde Arc is a truly unique bridge because it crosses at a slight angle connecting the historic center of the city in the north side and the southern outskirts. It diamond shape of the bridge also twists as it crosses the river, creating a silhouette like never before.

Diagram 2
Each of the cables, shown in red, is connected to the edges of the deck at different angles.

Diagram 3
The Clyde Arc Bridge consists of a main 90m deck, which is suspended by bars hanging from the single arch, and two approaching spans of 36.5m each. The total width of the deck is 21.3m and the clear carriageway width is 16.3m, which accommodates two lanes for private traffic and two lanes for public and cycle traffic. The area of the deck is divided into equal load distribution areas and it is assumed that each cable sustains one of these areas.

The Clyde Arc

The Clyde Arc Bridge is a steel, box-girder symmetrical tied arch bridge located at the city of Glasgow in Scotland. The construction of the Clyde Arc Bridge started in May 2005 and it was given officially to public in September 2006. The design of the major piers starts with a circular shape at the bottom part, which tapers inwards at the top part and ends at the springing point of the arch. The white color of both the steel arch and the hanger bars is in accordance with the white prevailing colour of the existing buildings. At night the purple and maroon changing LED system enhances the dramatic effect of the diamond shaped arch. It is significant because it enhances the general redevelopment of the southern areas and due to its pioneered design it provides an iconic gateway to the city.

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Sources
- en.wikipedia.org/wiki/Glasgow
- en.wikipedia.org/wiki/Glasgow_Necropolis
- en.wikipedia.org/wiki/Finnieston_Crane
- en.wikipedia.org/wiki/Clyde_Arc

Glasgow
Scotland

Crane

Finnieston Crane

Glasgow Necropolis

SEC Armadillo

Clyde Arc

River Clyde

Roads

In Graphic Design

Advanced Problems

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