

## THE SI RAT - OUTER RING ROAD EXPRESSWAY



### Connecting of the Si Rat - Outer Ring Road Expressway (Heading to Chaeng Watthana)

The Project of the Connection between the Si Rat - Outer Ring Road Expressway and the Si Rat Expressway (Heading to Chaeng Watthana) was implemented by cooperation between the Expressway Authority of Thailand or EXAT and Bangkok Expressway and Metro Public Company Limited or BEM to expand expressway network and facilitate users' travelling. Such Project would connect the Si Rat - Outer Ring Road Expressway with the northern area of Bangkok heading to Chaeng Watthana, as well as connecting the Udon Rattaya Expressway heading to Bang Pa-in, which would help shorten the distance of the people's travelling and alleviate traffic problem on roads. Such connection had no toll plaza available for toll collection in access to the expressway system.

#### Project Descriptions

The Project is a grade-separated interchange in a form of elevated connection with 1-2 lanes, at a height of 12-18 meters from the ground level to the road surface, starting point of connection separating from the Si Rat - Outer Ring Road Expressway (inbound) at the area of Bang Sue interchange, at EMU Depot, turning left northward to meet the Si Rat Expressway (outbound) heading to Chaeng Watthana, at a distance of approximately 360 meters.

The total road surface area is approximately 3,600 square meters comprising approximately 3,300 square meters for the Project's road surface and approximately 300 square meters saved for the Missing Link. for connecting with Utrapimuk Elevated Toll Road (Don Mueang Tollway) with the distance of 300 square meters.

The lower-part expressway structure is designed for using barrette piles to avoid the SRT projects, with 13 reinforced concrete foundations and 13 reinforced concrete columns, while the upper-part expressway structure is designed for using pre-stressed concrete I-Girder with 12 spans; road surface is paved with asphaltic concrete.





BEM held the groundbreaking ceremony, in association with EXAT, for the Construction Project of the Connection between the Si Rat - Outer Ring Road Expressway and the Si Rat Expressway (Heading to Chaeng Watthana) on August 17, 2017, which was honored by General Wiwat Suchart, Chairman of Board of Governor – EXAT; Mr. Plew Trivisvavet, Chairman of the Executive Board; and the management from EXAT and BEM.