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MEDIA RELEASE

FIRST VIADUCT SPAN FOR SSP LINE COMPLETED

Kuala Lumpur, 21 August 2017: Construction for the Klang Valley Mass Rapid Transit (MRT) Sungai Buloh-Serdang-Putrajaya (SSP) Line has achieved a major milestone with the completion of the line's first viaduct span.

The span was constructed at the Kepong Baru Station site in Kepong, Kuala Lumpur. The station is one of the 24 elevated stations of the SSP Line.

The span is located within the V202 Work Package. The Work Package Contractor (WPC) is Ahmad Zaki Sdn Bhd (AZSB).

Mass Rapid Transit Corporation Sdn Bhd (MRT Corp) Project Director SSP Line Dato' Amiruddin Ma'aris said with the successful launch of the SBGs and completion of the first span, the project was entering a new chapter in its construction programme.

"Over the next two years you will be seeing a continuous series of piers being built along major roads and highways, which will be followed by the launching of SBGs to construct the viaduct," he said.

He added that once sufficient sections of the viaduct are completed, track laying works on these viaducts will then commence to form the 38.7km elevated section of the SSP Line.

The SSP Line has a total length of 52.2km and the remaining 13.5km of the alignment will be underground.

"The SBGs launching will use one of three methods - Launching Gantry (LG), crane erect trestle system (TSC) or Balanced Cantilever Segmental Launching (BCSL)," said Project Director for Mass Rapid Transit Corporation (MRT Corp) SSP Line Dato' Amiruddin Ma'aris.

Around 95% of the elevated section in the SSP Line will be constructed using the LG method. The LG method is used when constructing standard spans which are 40m in length.

Each span uses 13 SBG units which are launched into position using the LG. The pre-cast SBGs average between 28 and 46 metric tonnes each.

Once all the SBGs are in position, steel cables are threaded through ducts cast inside the segments. These cables are then "stressed" in such a way that all the pre-cast segments are compressed together to form a continuous, standard span of the viaduct.

The remaining 5% of these elevated alignments will use the TSC and BSCL method for non-standard or long spans of more than 40 meters, usually when the viaduct crosses over busy highways, railways or wide rivers.

"As of August, construction progress for the SSP Line is moving according to schedule. We are confident that the SSP Line is on track to launch its Phase One by July 2021, while the entire line to be fully operational by July 2022," he said.

He added that progress of the SSP Line as 31 July 2017 was 12.05% complete.

MMC Gamuda KVMRT (PDP SSP) Sdn Bhd Project Director Mr Param Sivalingam said as project delivery partner (PDP), MMC Gamuda's priority was to minimise public inconvenience and to ensure safety during construction.

"The advantage of using these methods are that it enables the viaduct spans to be erected rapidly on site with minimal inconvenience to traffic below and disturbing public movement," he said.

He added that the SBGs were cast by the work package contractor at the Sg Gadut casting yard and checked by PDP's Supervising Consultant (SC) to ensure SBGs were constructed in accordance to our specifications.

"Delivery of the SBGs are usually done at night by trailer, minimising traffic inconvenience," he said.

The first SBG launching process was inspected by the Department of Occupational Safety and Health (DOSH) to ensure safety requirements are followed. Subsequent launches will be inspected by the PDP and SC.

Param added that since the start of the SSP Line in 2015, the Project has embarked on a holistic approach towards enhancing safety awareness and personnel competency skills.

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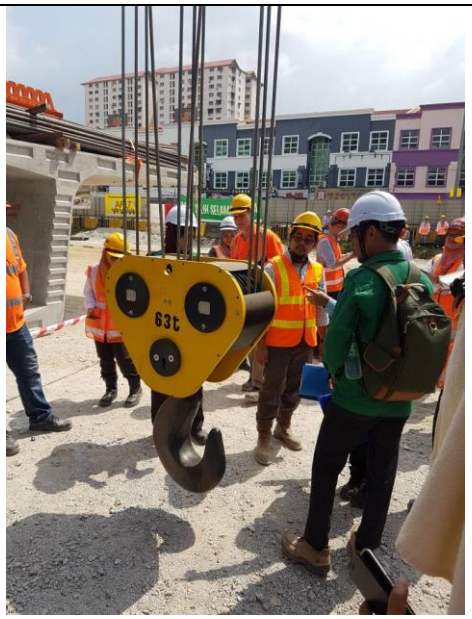
ATTACHMENTS:

1. 5 pictures of SBG lifting and span construction
2. SBG lifting and span construction video clip

PICTURE CAPTIONS

1		Segmented Box Girders being lifted by the Launching Gantry.
2		Segmented Box Girders being lifted by the Launching Gantry.
3		Segmented Box Girders being lifted by the Launching Gantry.

4		Completed span consisting of 13 segmented box girders.
5		Launching Gantry Winch Load Test inspection by DOSH officers accompanied by personnel from PDP, SC and WPC.

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