REDESIGN OF DOUBLE TRACK RAIL ROAD AT BOJONEGORO SURABAYA (KM 159.600 M TO KM 161.000 M)

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Railroad or railroad commonly called, is a major railway infrastructure and is the hallmark of railway transportation as a series of trains can only pass road, built for her the railroad tracks. This is a series of rails that guide the trains to move from one place to another.

As more and more enthusiasts will be the mode of transportation is the train travel schedule is becoming increasingly congested. Indonesia's existing railway lines are still using one lane, so that trains travel schedule should be arranged in such a way so that no series of accidents between trains that intersects this is the cause of frequent rail travel becomes too late.

Construction of double track railway lines expected to improve the smoothness of the train trip so the queue due to the deviation between the two sets of trains can be avoided. MSP railway line T12 package is a double rail line is scheduled to be completed this year, in which this pathway is the main route connecting the station bojonegoro and Surabaya.

In this final project will be re-planning that includes planning alignment for double track alignment, geometric design includes horizontal alignment and vertical alignment, railway
construction structure calculations that include rail, fastening, bearing, and replied, planning notes and rail in railway yard, planning ballast and soil stability control with Plaxis program and Geoslope.