ABSTRACT

Aligning Curve Railroad is one factor for doing maintenance train railroad for creates the best service for the consumer of train. After a long time railroad has been used, train railroad had changed because of train operation. Maintenance still had been doing for period, but it been doing just for short time, with smoothing the form of curve rail road. The purpose of that is the curve railroad can be pass by the train with secure and comfortable. Three Point Method use for aligning railroad curve, because it's the most appropriate with the character of rail road. To apply three point method, used two process work that are Revision Process and Maintenance Process. As proponent aligning used Theoretical Traffic Loads which apply to predict railroad maintenance based on railroad material and loads railroad (passing tonnage). After both of process being tested, be found that revision process and maintenance process can be used for aligning railroad curve to get perfectly railroad curve, but the success for getting perfectly railroad curve the maintenance process is 80% better than revision process, it's refer to many step used. And after be found frequency railroad maintenance, it's conclude that every train districts have many variation value, and do not appropriate with static aligning railroad schedule.

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Key word: aligning, curve railroad, tri point method, revision process, maintenance process, theoretical traffic loads