LocoPLAN creates a locomotive operating plan that specifies active and deadhead locomotives assigned, creates locomotive connections for inbound/outbound trains and gives recommendations for light travel locomotives.
LocoPLAN creates a weekly repeatable locomotive operating plan for a railroad that specifies active and deadhead locomotives assigned to each train, creates locomotive connections from inbound trains to outbound trains and generates recommendations for light travel locomotives. LocoPLAN ensures that each train receives the right horsepower to pull the train at the right speed and does so at the minimum operating cost. LocoPLAN system has demonstrated a 3 to 5 percent savings in locomotive operating costs.

In addition to creating optimal operating plans, LocoPLAN can also be used for a variety of what-if studies including determining optimal fleet size, identifying best locomotive operating practices and assessing the impact of major train schedule changes on locomotive fleet requirements.

LocoPLAN uses cutting-edge optimization techniques. It is based upon years of research and development that has been published in prestigious journals.

LocoPLAN minimizes the total locomotive cost comprising ownership or leasing cost, fueling cost, maintenance cost, deadheading cost and light travel cost.

LocoPLAN can create a railroad’s locomotive operating plan in clean sheet mode. This type of mode is used when the railroads performs a major change in its train schedule or is performing some strategic studies.

In incremental mode, LocoPLAN takes an existing locomotive operating plan and makes modifications within the specified degree of freedom to reduce maximum possible locomotive costs.

LocoPLAN can determine the total fleet requirements to support a given train schedule. It can also set benchmarks for locomotive utilization and productivity statistics.

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