



ZETA-TECH
A Harsco Track Technologies Business Unit
Cherry Hill, NJ 08034
(856) 779-7795
FAX: (856) 779-7436
[email: info@zetatech.com](mailto:info@zetatech.com)

Track Geometry Analysis and Forecasting System **TRACKLIFE**

Operating Environment: Personal computer 486 or higher with Windows Operating System.

System Description: TRACKLIFE is an integrated track geometry analysis and forecasting system that generates surfacing and alignment maintenance plans for the system network. TRACKLIFE calculates time to next surfacing interval for each homogeneous track segment, e.g., individual curve or tangent, based on current and historical track geometry (as measured by track geometry inspection vehicle), past and future traffic history, track characteristics, etc. Analysis program includes development of comparative Track Quality Indices (TQIs) that allow for the comparison of the condition of the track on a comparative basis. TQIs are calculated for segments of 0.1, 1, 10, and 100 Km. TQIs calculations also form the basis for the calculation of the next surfacing date for each segment. TRACKLIFE calculates a surfacing for each segment and develops a short, medium, and long term maintenance program.

Benefits: TRACKLIFE allows for efficient evaluation of current track geometry condition and accurate planning of surfacing requirements. This allows for accurate planning and budgeting for surfacing, lining, and other track geometry maintenance activities. TRACKLIFE also allows for analysis of track maintenance options to determine the most cost effective maintenance program for the track.

Current Users: CSX Transportation, Consolidated Rail Corporation (pending), New York City Transit Authority.

For More Information Contact: Joseph W. Palese, MCE, P.E.
(856) 779-7795