

# GEOEDIT

Manage your track geometry data effectively

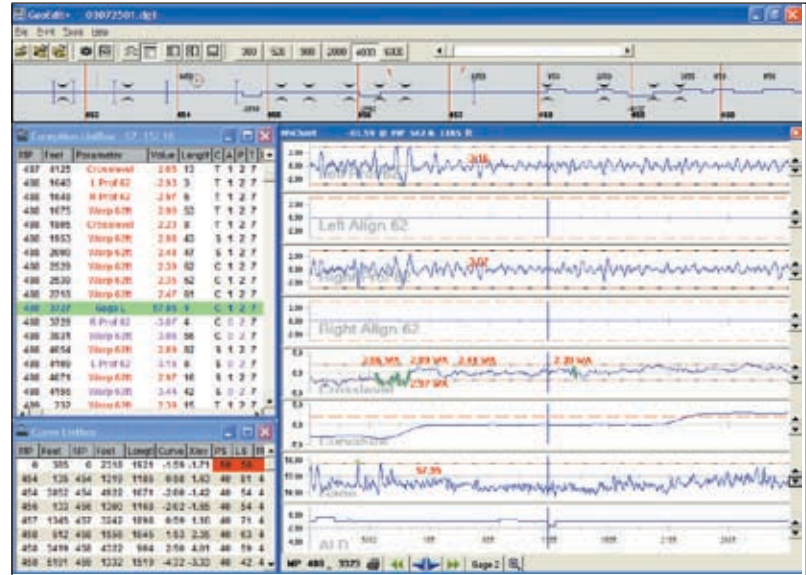
GeoEdit is a Windows-based Track Geometry Data Management program. It can be used to view data, generate reports or strip charts, and assist in maintenance management planning. It provides for quick access to exception, curve, and graphical data in a concise and user-friendly format.

## GeoEdit data management tools provide:

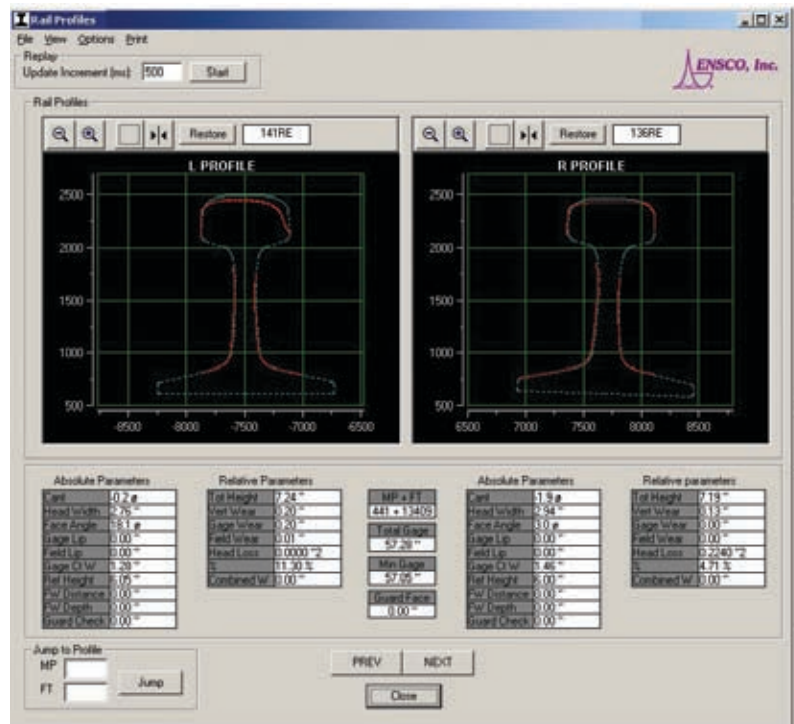
- Better insight and understanding of your data
- Accurate annotation
- Cost efficiency of a “paperless” environment

## Who can benefit from GeoEdit?

- Track supervisors
- Division engineers
- Track engineers
- Maintenance managers



GeoEdit main screen



(continued on reverse side)

## Features:

### Exception List

- Displays recorded events and calculated exceptions
- Scroll to desired parameter
- Click on defect to display on strip chart

### Stripchart Window

- Displays a graphical representation of up to twelve track geometry measurement channels
- Displays profiles of each rail with associated parameters
- Synchronized with exceptions, curve lists, and track chart
- Can be fully customized to user preferences

### Track Chart

- Displays track attributes
- Synchronized with strip chart

### Curve Information

- Displays curve segments and attributes
- Click on curve to display on strip chart
- Select curve to display curve analysis window
- Curve analysis provides detailed attribute information and performance parameters

## GeoEdit allows you to:

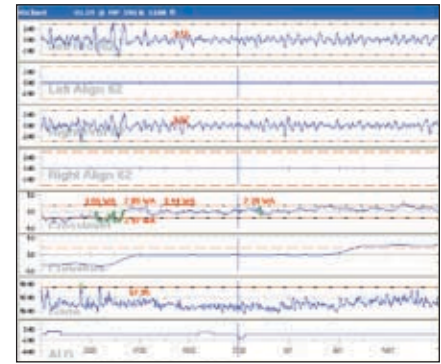
- Generate Track Quality Indices (TQI) for geometry parameters
- Overlay parameter data from different files
- Plot the difference between channels from different files
- Generate and print reports and plots
- Reverse the direction of the displays
- Export exception data to the Digital Track Notebook™ for followup inspections

## GeoEdit Requirements:

IBM compatible 64mb ram, Windows 2000,200mb hard drive, CD rom drive

MP	Feet	Parameter	Value	Length	C	A	Z	T	Lat	Long
487	4125	Crosslevel	2.85	13	T	1	2	7	44.31615	-100.40000
488	1840	L Prof 62	-2.93	3	T	1	2	7	44.31705	-100.41930
488	1848	R Prof 62	-2.97	8	T	1	2	7	44.31705	-100.41940
488	1875	Warp 62R	2.90	53	T	1	2	7	44.31706	-100.41950
488	1905	Crosslevel	2.23	8	T	1	2	7	44.31750	-100.41990
488	1963	Warp 62R	2.99	43	S	1	2	7	44.31750	-100.41990
488	2000	Warp 62R	2.48	47	S	1	2	7	44.31756	-100.41970
488	2529	Warp 62R	2.39	62	C	1	2	7	44.31756	-100.41970
488	2639	Warp 62R	2.35	62	C	1	2	7	44.31756	-100.41970
488	2718	Warp 62R	2.47	61	C	1	2	7	44.31705	-100.41940
488	3727	Gage L	57.95	4	C	1	2	7	44.31574	-100.41570
488	3728	R Prof 62	-3.07	4	C	1	2	7	44.31574	-100.41570
488	3931	Warp 62R	3.00	56	C	1	2	7	44.31533	-100.41930
488	4054	Warp 62R	2.89	62	S	1	2	7	44.31507	-100.41960
488	4109	L Prof 62	-3.10	8	S	1	2	7	44.31490	-100.41970
488	4071	Warp 62R	2.97	16	S	1	2	7	44.31504	-100.41960
488	4156	Warp 62R	3.44	42	S	1	2	7	44.31484	-100.41960
488	737	Warp 62R	2.30	15	T	1	2	7	44.31177	-100.42180

Exception List



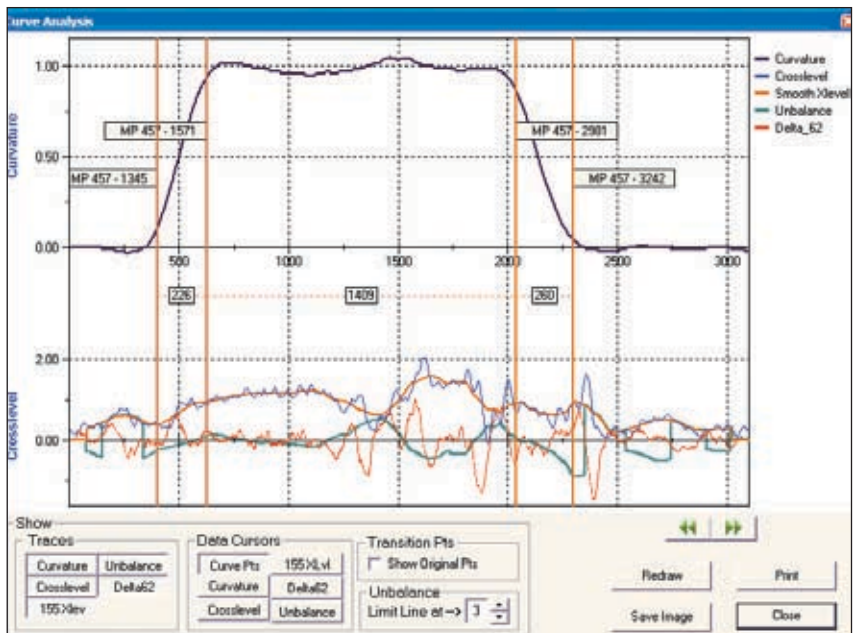
Stripchart window



Track Chart

MP	Feet	MP	Feet	Length	Curve	Xlev	PS	LS	MP	Feet	Curve	Xlev	Feet	Grp
0	385	0	2318	1921	-1.59	-1.71	88	56	0	1031	-2.02	-1.39	1449	1
454	135	454	1319	1185	0.58	1.63	40	81	454	642	0.59	1.48	0	0
454	3852	454	4822	1071	-2.00	-1.42	40	54	454	4444	-2.00	-1.15	0	0
456	133	456	1300	1168	-2.02	-1.65	40	54	456	1002	-2.10	-1.36	0	0
457	1345	457	3242	1898	0.59	1.10	40	71	457	2436	1.01	0.82	0	0
458	512	458	1558	1045	-1.53	2.35	40	63	458	926	1.52	2.20	0	0
458	3419	458	4322	904	2.50	4.01	40	59	458	3916	2.50	4.01	0	0
458	5191	458	1332	1519	-4.32	-3.33	40	42	458	899	-4.29	-2.65	0	0

Curve list box



Curve analysis