

Main Features

1. **Automation** – Guardrail can be designed automatically without any manual intervention.
2. **Efficiency** – All work and reports can be done in minutes for one guardrail design.
3. **Precision** – Length of Need and Pay Items be calculated with 100% accuracy.
4. **Consistency** – All elements for guardrail design are pre-set and keep work consistent through all projects.
5. **WYSIWYG** – Guardrail and all other elements are drawn in MicroStation immediately.
6. **No Data Input** – No data needed for an entire guardrail design.
7. **User-Friendly Design** – The software is a very intuitive and easy to master, even for infrequent users.
8. **Fully Integrated with CAD Platforms** – All curb ramp designs can be added, updated, or removed from MicroStation or AutoCAD automatically.
9. **iCloud** – All data is saved in iCloud, and all users can access it anytime, anywhere.

Project: I25 Resurfacing
Name: Bridge C-21-BM EB
System: Semi-Rigid System
Barrier Type: Midwest Guardrail System (MGS)
Unit Length: 12.5 Feet Total Length Calculated By Unit Length

Parameter Setting
ADT: 1,000 to 5,000 Design Speed: 50
Main Alignment: US25
Edge of Travel Way: 21-BM EB ET
Runout Length (Lr): 160 Clear Zone (Lc) *: 20
Area of Concern (Obstacle)
Obstacle Type: Bridge Piers, Abutments, Railing Ends
Lower Left Point: X 499776.178658 Y 1339874.52369
 Point in Barrier Line
Upper Right Point: X 499776.3202904 Y 1339863.35225
Lateral Extent of the Area of Concern (La): 20
Lateral Distance from Barrier to Travel Way (L2): 8.83
Barrier Is Beyond Shy Line: Yes No (Suggested Ls : 6.5 ft.)

Installation Type
 Parallel Flared Rate (a,b): 11 Tangent Length (L1): 0

Upstream Treatment
Device Type: End Anchorage
System: SRT-350-31

Downstream Treatment
Device Type: End Anchorage
System: SRT-350-31

Result
Length of Need (X): 89.36 Total Barrier Length: 100
Lateral Offset (Y): 8.83 Total Piece of Barrier: 8
Begin Station: 24+01.36 End Station: 23+12.02
Offset: 20.83' Rt Offset: 21.30' Rt

Status
 Working Completed Checked Approval