

RDV Systems' Rapid Road Safety Analyzer

Project planners face daily critical design issues relating to budgets, cost, and deadlines. Traditionally geometric road design has been based upon mathematic equations where site distance is a key factor driving design parameters. In the real world things are much more complex. With over 1.2 million annual fatalities worldwide in road crashes - it is clear that more can be done from a design and analysis perspective to improve roadway safety. Through 3D analysis and **RDV Systems' Rapid Road Safety Analyzer** you can make informed decisions regarding road safety based on a complete picture and full understanding of the roadway environment.

Features of the Rapid Road Safety Analyzer:

- Interactive analysis of road conditions
- Precise visibility reports
- Real-time visual feedback
- Display of geometric design parameters
- Sight distance and line of sight
- Simulation of decision, passing, and stopping sight distances
- Generation of reports in Excel and XML formats
- Archiving of reports and visual analysis
- Support for all popular CAD, 3D, and image file formats
- Import of GIS, survey, and LIDAR field data

Applications:

- Intersections
- School zones
- Rural roads
- Highways
- Interchanges
- Subdivisions
- Driveways
- Existing roads



Scene Time	Position	Target	Target Visibility	Elevation	Road...	Lon. Slope	Hor. Slope
00:00:30.35	16091.27,21623...	16226.61,21603...	57.30%	1.33 ft	-70.59 ft	5	3
00:00:30.85	16099.19,21620...	16235.02,21603...	59.02%	1.33 ft	-70.43 ft	5	3
00:00:31.35	16107.16,21618...	16243.37,21602...	60.66%	1.34 ft	-70.28 ft	5	3
00:00:31.85	16115.21,21615...	16251.58,21600...	60.66%	1.34 ft	-70.14 ft	5	3
00:00:32.35	16123.31,21613...	16259.60,21598...	55.74%	1.34 ft	-70.02 ft	5	3
00:00:32.85	16131.45,21612...	16267.35,21595...	14.75%	1.33 ft	-69.92 ft	5	3
00:00:33.35	16139.64,21610...	16274.78,21591...	19.67%	1.33 ft	-69.84 ft	5	3
00:00:33.85	16147.80,21609...	16281.80,21586...	13.11%	1.34 ft	-69.77 ft	5	3
00:00:34.35	16156.15,21609...	16288.36,21581...	12.50%	1.34 ft	-69.73 ft	5	3
00:00:34.85	16164.44,21607...	16294.39,21575...	6.06%	1.34 ft	-69.69 ft	5	3
00:00:35.35	16172.75,21606...	16299.89,21568...	0.00%	1.33 ft	-69.68 ft	5	3
00:00:35.85	16181.07,21606...	16304.79,21562...	0.00%	1.33 ft	-69.68 ft	5	3

www.rdvsystems.com

About RDV Systems:

RDV Systems is one of a select group of Autodesk accredited Preferred Industry Partners for Civil 3D. RDV enables designers, civil engineers and land planners to rapidly produce 3D visualizations and then easily integrate them within the design workflow. RDV Systems' product line allows real-time viewing capabilities as well as high-quality photo-realistic renderings. RDV Systems is a part of the DataSafe group with corporate headquarters in Lod, Israel.



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