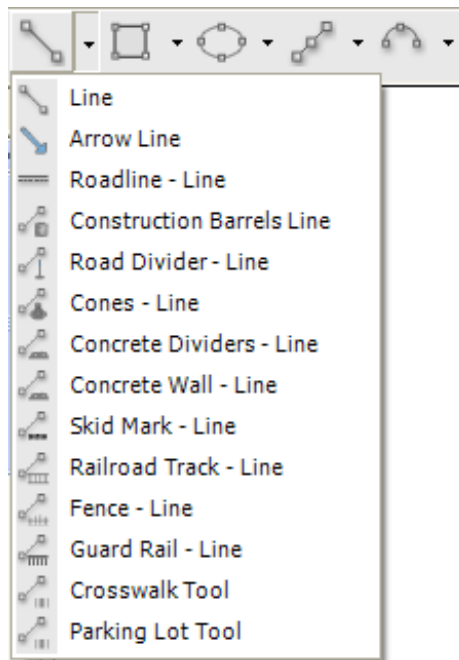
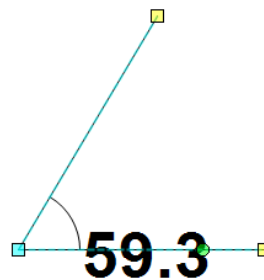


## Vista FX new features list

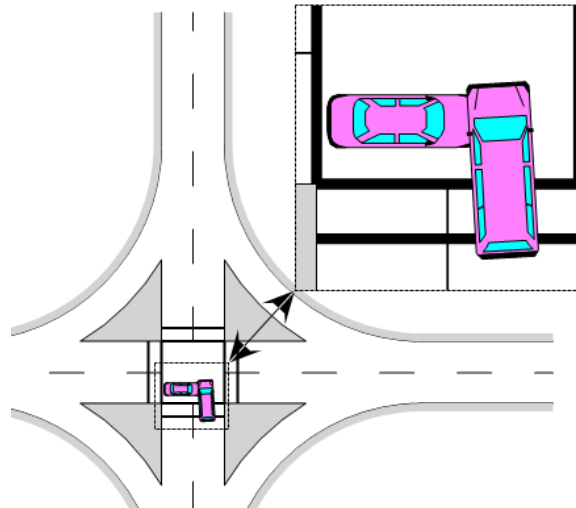
1. Zoom window tool
2. Zoom by mouse wheel
3. Undo tool – 50 operations
4. Snap tool – snap while moving, snap to points, lines, centers
5. Add Parallel lines, arcs, polylines ( total station users only need shoot edge of road and know lanes widths
6. Draw lines, polylines, arcs as any smart shape



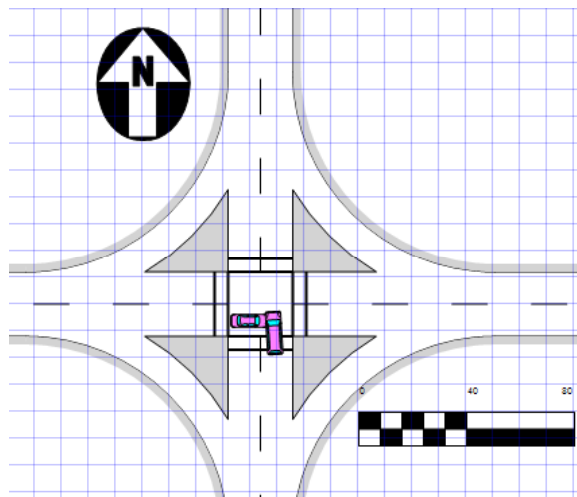
7. Angle measuring tool



8. Picture in picture tool



9. Point Tool – allows placing points on scene by simply clicking – with option to add points to the measurement log
10. Measurement Log – Autoline system – allows any autoline to be converted to any line style, thickness, color, or smart shape like skid marks, guard rails, cones, fences etc.
11. Optional Grid display while drawing – display grid in any spacing or color – with additional “Snap to Grid ‘ feature.



12. SmartRoads component – use any of the SmartRoads components – Smart Intersection, Smart Curves, Smart Straight Roads to instantly create a collision scene. The multi-gripped components allow you to change angles, number of lanes, corner radius, lane widths, line styles, using your mouse. You can even fill the SmartRoads.
13. Select/Rotate tool now combined – even displays rotation on screen in realtime
14. 3D scene viewing options for sun position, time of day, environmental displays real time changes
15. 3D animation dialogue form allows real time viewing of yaw, pitch, roll along path in mini animation.
16. Terrain modeling – New polyfill tool allows automatic snapping to measurement points including Z position so 3D roadways and landscape can be created in seconds.
17. 50 new Special 3D models including the following (insert [gallery](#))
18. Multi-select tool allows you to select multiple drawing shapes and symbols by using the Select tool and the Shift Key. Or select area will select all shapes within the area. Selection can then be edited, moved, rotated together.
19. Break line on any drawing shape including lines, arcs, polylines.
20. Layer Manager allows transferring of symbols, drawing shapes to other layers.
21. Additional grip on lines allows extending line on same angle.
22. Additional grip on 3-point arc tool allows rotation of arc without changing arc properties.
23. Measurement log properties allows all points to display descriptions on diagram instead of point numbers, and also allows user to choose to display point number or description on individual point basis.
24. Smart Corners – like SmartRoads - can now be filled, with ability to display sidewalks on curb edge at any width or color
25. Scene Wizard – now automatically places right turn islands, displays crosswalks, and allows multiple lane style changes – does roadway engineering for you!
26. Template library – saving location can now be server based for team contribution and extraction.
27. Measurement Log – merging multiple logs is simplified and includes merging of any type of points file with any other points file.
28. Moving symbols and drawing shapes in fine increments now accomplished with arrow keys. Increments can be set under Options/Program Settings
29. Export Drawing options now include: PDF, PNG, DXF, JPG, GIF, TIFF, BMP, EMF
30. Export measurements now includes CSV.
31. Profiling – now automatic from Measurement options
32. Air photo scaling – now automatic – with built in photo scaling tool. User only needs to know one distance on ground that can be seen in air photo

33. Printing – in addition to fit to page, Print selected area, Print tiling – user now has option to use any of the optional title blocks with Print Tiling option and preview of print sheets.
34. Printing – Print to PDF now an option
35. File Retrieval – Vista allows retrieving of files from Recent Files list that can any number. Option available under Options/Program settings
36. File saving – Autosave option now available.
37. Performance – resources and processor dependency improved with Vista.NET
38. File size – Vista FX drawings of basic collisions from 2kb to 10kb in size thanks to improved on board compression algorithm.
39. Fill options improved to include fill with: color, gradient color, hatches, textures (grass, water, sand, gravel) or photo. Photos can also be used to texture with tiling option.
40. Smart Wall feature now included and can be used with any drawing tool. Creating a 3D room or building has never been easier.
41. Text tool now allow onscreen resize.
42. Text box now available and allow wrapping within box.
43. Importing photos – now allows photos to be placed on edge for 3D bill boarding
44. Line options – now allows adding of perpendicular line at midpoint – off right click menu.
45. Damaging vehicles – now even easier with new interface, and includes abilities to move parts, rotate parts, add vertices. More accurate, more easy.
46. Vista Crash – momentum tool now allows user to enter crush delta V to calculation procedure.
47. RealScene 3D – now allows multiple cameras (10) for instant jump to view
48. Statement taking – Interview Pro now allows user to create interview scripts with multiple-choice lists for really rapid interviews.
49. Interface, modernized to 2005 standards, reduced complexity, and increased intuitivity – and it looks really cool! Allows dragging of object library frame to increase drawing area.
50. 3D now automatically included in all suites.