

### **Software used in Road Design**

<b>Type of Use</b>	<b>Name of Software</b>	<b>Version</b>
Drainage Design (Inlets & Open Channel)	NCHRP Hydraulic Toolbox	5.4.0
Drainage Design (Culvert)	HY-8	8.0.0
Drainage Design (Storm Sewer)	OpenRoads Designer (Drainage & Utilities)	23.00.01.011
Graphics	MicroStation/OpenRoads Designer	23.00.02.071/ 23.00.01.011
Plan Review	Bluebeam Revu	21.3
Plotting	MicroStation/OpenRoads Designer	23.00.02.071/ 23.00.01.011
Roadway Design	OpenRoads Designer	23.00.01.011
Roadway Design (Truck Turning)	AutoTURN	2024.12.0
Survey (Conventional Instruments)	OpenRoads Designer	23.00.01.011
Survey (GPS)	Trimble Business Center (TBC)	2024.00
Traffic Counts	PetraPro	1.7.36
Traffic Highway Capacity (Capacity Analysis, Signal Timings, Signal Coordination)	HCS2024	8.3
Traffic Signal Design (Timing Optimization)	SYNCHRO	11.1.1.6
Traffic Simulation	SimTraffic	11.1.1.6
Traffic Lighting Design (Roadway)	AGi32	21.4.0.1
Traffic Signal Warrants	PC Warrants	1.23.0