

### **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	1.0
Drainage Design (Culvert)	HY-8	7.2
Drainage Design (Culvert w/Routing)	Culvert Design System (Wyoming Method)	N/A
Drainage Design (Storm Sewer)	InRoads Storm & Sanitary	8.11.07.494
Graphics	MicroStation	8.11.09.829
Plan Review	Bluebeam Revu	2017.0.40
Plotting	MicroStation	8.11.09.829
Roadway Design	InRoads	8.11.07.494
Roadway Design (Truck Turning)	AutoTURN	9.1
Survey (Conventional Instruments)	InRoads Survey	8.11.07.494
Survey (GPS)	Trimble Business Center (TBC)	3.90
Traffic Counts	PetraPro	1.7.36
Traffic Highway Capacity (Capacity Analysis, Signal Timings, Signal Coordination)	HCS7	7.3
Traffic Signal Design (Timing Optimization)	Tru-Traffic 9.0	9.0.22.0
Traffic Signal Design (Timing Optimization)	SYNCHRO	9.1.912.4
Traffic Simulation	SimTraffic	9.1.912.4
Traffic Lighting Design (Roadway)	AGi32	18.3.2
Traffic Lighting Design (Roadway)	EDR	11.1
Traffic Signal Design (Traffic Signal Communication)	Aries Zone Manager	3.84
Traffic Signal Warrants	PC Warrants	1.23.1
Traffic Simulation	PVT Vissim	8.00-10