

Software used in Road Design

Type of Use	Name of Software	Version
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	8.11.07.443
Plotting	MicroStation	8.11.07.443
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)	2.99 – 32bit 3.70 – 64bit
Traffic Counts	Jamar / PetraPro	1.7.1
Traffic Highway Capacity (Capacity Analysis, Roundabouts, Signal Timing)	SIDRA	5.1
Traffic Highway Capacity (Capacity Analysis, Traffic Simulation)	TSIS - CORSIM	6.0
Traffic Highway Capacity (Capacity Analysis, Signal Timings, Signal Coordination)	HCS 2010	6.8
Traffic Lighting Design (Roadway)	AGi32	2.20
Traffic Lighting Design (Roadway)	EDR	11.1
Traffic Signal Design (Signal Timings)	TS-PP-Draft	9.0
Traffic Signal Design (Traffic Signal Controller Software)	Aries Zone Manager	3.84
Traffic Signal Design (Traffic Signal Controller Software)	SYNCHRO 9	9.1
Traffic Signal Warrants	PC Warrants	1.23.1
Traffic Simulation	SimTraffic 9	9.1
Traffic Simulation	Vissim	8.00-10