OFFICE OF HIGHWAY DEVELOPMENT HIGHWAY HYDRAULICS DIVISION

Highway Drainage Manual Design Guidelines Software

I. Limits

The software listed herein have been approved for use as specified. The use of alternative programs is subject to approval by the Chief, Highway Hydraulics Division.

II.Hydrology

- NRCS WIN TR-20 v 3.2 (2017)
- NRCS WIN TR-55 v 1.00.10 (2013)
- Use NOAA Atlas 14 Rainfall Data in all cases

III. Culverts

- HY-8 Culvert Hydraulic Analysis Program v 7.5 (FHWA 2016)
- HDS 5 Chart Calculator (2001)

IV. Storm Drains/Inlets

- SHA TVHG (SHA 1994)
- FHWA Hydraulic Toolbox v 4.4 (July 2018)

V. Stormwater Management

• SHARISER (SHA 2009)

VI. Streams

• HEC-RAS – *V. 5.0.6 (USCOE 2018)*

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