

INFORMATION TO BE SHOWN ON PLANS

Design: Discharge ..... c.f.s. Frequency ..... Elev. ....
Base Flood: Discharge ..... c.f.s. Frequency 100 yr. Elev. ....
Overtopping: Discharge ..... c.f.s. Frequency ..... Elev. ....

ADDITIONAL INFORMATION AND COMPUTATIONS

Series of horizontal dashed lines for additional information and computations.

SITE DATA

Drainage Area ..... Source .....
River Basin ..... Character .....
Stream Classification (Such as Trout, High Quality Water, etc.) .....

Data on Existing Structure ..... Waterway Opening .....

Debris Potential: Low ..... Moderate ..... High .....

Data on Structures Up and Down Stream .....

Design Control Elev. ....

Gage Station No. .... Period of Records .....

Max. Discharge ..... c.f.s. Date ..... Frequency .....

Historical Flood Information:

Table with 6 columns: Date, Elev., Est. Freq., Source, Period of Knowledge. Three rows of data.

Historical Scour Info. : General ..... Contraction ..... Local .....

Channel Slope ..... Source ..... Normal Water Surface Elev. ....

Manning's n : Left O.B. .... Channel ..... Right O.B. .... Source .....

Flood Study / Status ..... Floodway Established? .....

Flood Study 100 yr. Discharge ..... c.f.s.; W.S. Elev. : With Floodway ..... Without Floodway .....

DESIGN DATA

Hydrological Method .....

Hydraulic Design Method .....

Table with 5 columns: Floods Evaluated, Freq., Q, Elev., Backwater, Bridge Opening Velocity. Multiple rows of data.

Waterway Opening Provided Below: Design W.S. Elev. ...., 100yr W.S. Elev. ....

Average Channel Velocity (Design) ..... Average Overbank Velocity (Design) .....

Computed Scour : General ..... Contraction ..... Local .....

Is a Floodway Revision Required? .....

BRIDGE SURVEY & HYDRAULIC DESIGN REPORT

N. C. DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
HYDRAULICS UNIT
RALEIGH, N. C.

I.D. No. .... Project No. .... Proj. Station .....

County ..... Bridge Over ..... Bridge Inv. No. ....

On Highway ..... Between ..... and .....

Recommended Structure .....

Recommended Width of Roadway ..... Skew .....

Recommended Location is (Up, At, Down) Stream from Existing Crossing. ....

Nearest Shipping Point ..... On ..... R.R., ..... Miles From Bridge

Bench Mark is .....

..... Elev. .... Datum: .....

Temporary Crossing .....

Stream File PDF Project No. I.D. No. Struc. Inv. No.



Designed by: ..... Date .....
Assisted by: .....
Project Engineer: .....
Reviewed by: .....

