

SITE DATA

Drainage Area ..... Source .....

River Basin ..... Character .....

Stream Classification (Such as Trout, High Quality Water, etc.) .....

Data on Existing Structure .....

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

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

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

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

Historical Flood Information:

Date ..... Elev. .... Est. Freq. .... Source ..... Period of Knowledge .....

Date ..... Elev. .... Est. Freq. .... Source ..... Period of Knowledge .....

Allowable HW Elev. .... Normal Water Surface Elev. ....

Manning's n : Left 0.B. .... Channel ..... Right 0.B. .... Obtained From .....

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 .....

Design Tailwater : Q<sub>10</sub> ..... : Q<sub>25</sub> ..... : Q<sub>50</sub> ..... : Q<sub>100</sub> ..... : Q<sub>500</sub> .....

Size & Type	Q	K <sub>e</sub>	Inlet Control		Outlet Control						Remarks	
			HW/D	H.W.	dc	$\frac{dc+D}{2}$	h <sub>o</sub>	H	LS <sub>o</sub>	H.W.		

Is a Floodway Revision Required? .....

Outlet Velocity, (V<sub>10</sub>) ..... Natural Channel Velocity, (V<sub>10</sub>) .....

Required Outlet Protection .....

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. ....

CULVERT 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 ..... Stream ..... Stru. No. ....

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

Recommended Structure .....

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

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

Bench Mark is ..... Elev. .... Datum: .....

Temporary Crossing .....

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



Designed by: ..... Date .....

Assisted by: .....

Project Engineer: .....

Reviewed by: .....

