



**BRIDGE HYDRAULIC DATA**

DESIGN DISCHARGE	= 8750	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 2575.5	FT
BASE DISCHARGE	= 10300	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 2577.6	FT
OVERTOPPING DISCHARGE	= 42000	CFS
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING ELEVATION	= 2596.2	FT
DATE OF SURVEY	= 10/2022	
W.S. ELEVATION AT DATE OF SURVEY	= 2561.9	FT

L = 390  
K = 97  
S = 433  
V = 50 MPH

L = 710  
K = 96  
S = 427  
V = 50 MPH

**-DET01\_EB-**

**-DET01\_EB-**

B-3186 / B-5898

PFL 12

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION HAYWOOD COUNTY

ROADWAY DESIGN UNIT  
ROADWAY DESIGN ENGINEER

SEAL 049634  
MOHAMMED RABIEY  
11/18/2023

HYDRAULICS ENGINEER  
SEAL 037863  
DANIEL D. BUSCH  
08/08/2018

PREPARED BY  
**AECOM**  
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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS