



North Carolina Department of Transportation

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN



(Version 3.00; Released August 2021)

FOR NCDOT PROJECTS

WBS Element: 44372.3.1 TIP/Proj No: I5719B_U5800 County(ies): Gaston Page 1 of 3

General Project Information

WBS Element:	44372.3.1	TIP Number:	I5719B_U5800	Project Type:	Roadway Widening	Date:	3/4/2026
NCDOT Contact:	Tamara Njegovan, P.E.			Contractor / Designer:	Taylor Carter, P.E.		
	Address:	NCDOT Alternative Delivery 1020 Birch Ridge Dr. Room # 16 Raleigh, NC 27610		Address:	555 Fayetteville St. Suite 900 Raleigh, NC 27601-3030 US		
	Phone:	(919)-707-6610		Phone:	(919) 232-6689		
	Email:	tmnjegovan@ncdot.gov		Email:	taylor.carter@hdrinc.com		
City/Town:	McAdenville			County(ies):	Gaston		
River Basin(s):	Catawba			CAMA County?	No		
Wetlands within Project Limits?	Yes						

Project Description

Project Length (lin. miles or feet):	5.165 Miles	Surrounding Land Use:	High residential area, Suburban development, and Commercial development					
	Proposed Project			Existing Site				
Project Built-Up Area (ac.)	133.5	ac.	99.6	ac.				
Typical Cross Section Description:	8 12' lanes of median divided highway with open shoulders.			6 12' lanes of median divided highway with open shoulders				
Annual Avg Daily Traffic (veh/hr/day):	Design/Future:	187,300	Year:	2045	Existing:	160,400	Year:	2025

General Project Narrative:
(Description of Minimization of Water Quality Impacts)

The project (I5719-U5800) widens Interstate 85 in Gaston county to accommodate larger traffic volumes. The project will construct approximately 4.68 miles of 4 lane divided travel along Interstate 85. The project includes a crossing of the the South Fork Catawba River which requires the implementation of deck drains. The project also includes 15 additional Jurisdiction stream crossings, which will require stream relocation, channel improvements, and bank stabilization at the majority of the sites. Stormwater runoff is captured by drop inlets, catch basins, and drainage ditches on either side of the interstate. The stormwater then navigates the drainage system and drains to the South Fork Catwaba River, Catawba River, and various other unnamed tributaries.



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General Project Information

Waterbody Information

Surface Water Body (1):	South Fork Catawba River		NCDWR Stream Index No.:	11-129-(15.5)	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Water Supply V (WS-V)		
	Supplemental Classification:				
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?	No	Comments:			
NRTR Stream ID:	SQ		Buffer Rules in Effect:	N/A	
Project Includes Bridge Spanning Water Body?	Yes	Deck Drains Discharge Over Buffer?	No	Dissipator Pads Provided in Buffer?	No
Deck Drains Discharge Over Water Body?	No	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
(If yes, provide justification in the General Project Narrative)					

Surface Water Body (2):	UT to South Fork Catawba River		NCDWR Stream Index No.:	11-129-15.5	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Water Supply V (WS-V)		
	Supplemental Classification:				
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?	No	Comments:			
NRTR Stream ID:	ST, SW, SP, SBI, SBH, SR, SS, SL, SM, SN, SO		Buffer Rules in Effect:	N/A	
Project Includes Bridge Spanning Water Body?	No	Deck Drains Discharge Over Buffer?	N/A	Dissipator Pads Provided in Buffer?	N/A
Deck Drains Discharge Over Water Body?	No	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
(If yes, provide justification in the General Project Narrative)					

Surface Water Body (3):	UT at Belmont Abbey College		NCDWR Stream Index No.:	11-123-(1)	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Water Supply IV (WS-IV)		
	Supplemental Classification:				
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?	No	Comments:			
NRTR Stream ID:	SK, SI, SJ		Buffer Rules in Effect:	N/A	
Project Includes Bridge Spanning Water Body?	No	Deck Drains Discharge Over Buffer?	N/A	Dissipator Pads Provided in Buffer?	N/A
Deck Drains Discharge Over Water Body?	N/A	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
(If yes, provide justification in the General Project Narrative)					



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Additional Waterbody Information

Surface Water Body (4):		UT to Catawba River		NCDWR Stream Index No.:	11-(122)	
NCDWR Surface Water Classification for Water Body			Primary Classification:	Water Supply IV (WS-IV)		
			Supplemental Classification:			
Other Stream Classification:						
Impairments:						
Aquatic T&E Species?	No	Comments:				
NRTR Stream ID:	SBS		Buffer Rules in Effect:		N/A	
Project Includes Bridge Spanning Water Body?	No	Deck Drains Discharge Over Buffer?	N/A	Dissipator Pads Provided in Buffer?		
Deck Drains Discharge Over Water Body?	N/A	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)		
(If yes, provide justification in the General Project Narrative)						
Surface Water Body (5):		UT to UT at Belmont Abbey College		NCDWR Stream Index No.:	11-123-(1)	
NCDWR Surface Water Classification for Water Body			Primary Classification:	Water Supply IV (WS-IV)		
			Supplemental Classification:			
Other Stream Classification:						
Impairments:		None				
Aquatic T&E Species?	No	Comments:				
NRTR Stream ID:	SCF		Buffer Rules in Effect:		N/A	
Project Includes Bridge Spanning Water Body?	No	Deck Drains Discharge Over Buffer?	N/A	Dissipator Pads Provided in Buffer?		
Deck Drains Discharge Over Water Body?	No	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)		
(If yes, provide justification in the General Project Narrative)						