



North Carolina Department of Transportation

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN

FOR NCDOT PROJECTS



(Version 3.00; Released August 2021)

WBS Element: 35517.3.TA2 TIP/Proj No: R-2829B County(ies): Wake Page 1 of 2

General Project Information

WBS Element:	35517.3.TA2	TIP Number:	R-2829B	Project Type:	New Location	Date:	4/2/2024			
NCDOT Contact:	NCTA			Contractor / Designer:	ICE of Carolinas					
Address:				Address:						
								Phone:		
City/Town:	City of Raleigh		County(ies):	Wake						
River Basin(s):	Neuse		CAMA County?	No						
Wetlands within Project Limits?										

Project Description

Project Length (lin. miles or feet):	6 Miles	Surrounding Land Use:	Residential and Urban Development
Project Built-Up Area (ac.)		Existing Site	
Typical Cross Section Description:		ac.	
6-lane divided facility; 70ft grassed median, with 8:1 side slopes (designed to accommodate 1 future median through lane in each direction), 14ft outside and median shoulders, outside grass roadway ditches w 6:1 side slopes; cut and fill slopes have a maximum 2:1 slope		ac.	
Annual Avg Daily Traffic (veh/hr/day):	Design/Future:	34800/66600	Year: 2025/2045
	Existing:		Year:

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

The North Carolina Department of Transportation (NCDOT) has proposed to construct the Triangle Expressway Southeast Extension from south of SR 2542 (Rock Quarry Road) to I-87/US 64/US 264. Below are a list of minimization efforts associated with water quality impacts.

1. Proposing to bridge several streams and wetlands to avoid and minimize impacts to jurisdictional features.
2. Minimization of direct discharge into streams, wetlands and buffers where feasible.
3. 2:1 slopes are proposed within wetland areas where practical.
4. Toe protection proposed in fill sections over wetland areas.
5. Energy dissipator/rip rap pads proposed at jurisdictional areas and buffers to minimize the potential for erosion.
6. Grassed roadway median/outside ditches as well as grass swale treatments have been used where feasible.
7. Sediment and erosion control devices will follow the NCDOT protocol for Environmentally Sensitive Areas where required.
8. EC devices will be installed as needed to promote stability and minimize sedimentation.
9. No staging of construction equipment or storage of construction supplies in jurisdictional areas.
10. Borrow and waste activities will occur outside of jurisdictional areas.



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General Project Information

Waterbody Information

Surface Water Body (1):	White Oak Creek		NCDWR Stream Index No.:	27-43-11	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:		Nutrient Sensitive Waters (NSW)		
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?	Comments:				
NRTR Stream ID:	SOL		Buffer Rules in Effect:	Neuse	
Project Includes Bridge Spanning Water Body?	N/A	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)					

Surface Water Body (2):	Neuse River		NCDWR Stream Index No.:	27-(22.5)	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:		Nutrient Sensitive Waters (NSW)		
Other Stream Classification:	AFSA - anadromous fish spawning area		PNA - Primary Nursery Areas		
Impairments:					
Aquatic T&E Species?	Comments:				
NRTR Stream ID:	SGS		Buffer Rules in Effect:	Neuse	
Project Includes Bridge Spanning Water Body?	No	Deck Drains Discharge Over Buffer?	No	Dissipator Pads Provided in Buffer?	Yes
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 (3):			NCDWR Stream Index No.:		
NCDWR Surface Water Classification for Water Body	Primary Classification:				
	Supplemental Classification:				
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?	Comments:				
NRTR Stream ID:			Buffer Rules in Effect:		
Project Includes Bridge Spanning Water Body?		Deck Drains Discharge Over Buffer?		Dissipator Pads Provided in Buffer?	
Deck Drains Discharge Over Water Body?		(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)					