



North Carolina Department of Transportation

Highway Stormwater Program  
**STORMWATER MANAGEMENT PLAN**  
 FOR NCDOT PROJECTS



(Version 2.08; Released April 2018)

WBS Element: TIP No.: R-0211EC County(ies): Mecklenburg Page 1 of 3

**General Project Information**

WBS Element:		TIP Number:	R-0211EC	Project Type:	Roadway Widening	Date:	6/7/2019
NCDOT Contact:	Malcolm Watson		Contractor / Designer:		Blythe Construction/WSP (Karl Dauber)		
Address:	1020 Birch Ridge Drive Raleigh, NC 27610		Address:	1001 Morehead Square Drive Suite 610 Charlotte, NC 28203			
	Phone:	(919) 707-6614		Phone:	(704) 342-5403		
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City/Town:	Charlotte		County(ies):	Mecklenburg			
River Basin(s):	Catawba		CAMA County?	No			
Wetlands within Project Limits?	Yes						

**Project Description**

Project Length (lin. miles or feet):	0.8 miles	Surrounding Land Use:	Urban (residential and commercial)					
	<b>Proposed Project</b>		<b>Existing Site</b>					
Project Built-Upon Area (ac.)	14.1	ac.	13.7	ac.				
Typical Cross Section Description:	There are several cross sections for this project in the typicals provided with the Redline Drainage Plans. Essentially, the project adds toll lanes in the median. In some cases a ditch section is revised to provide pavement. In other cases a large paved median is reduced to account for this new traffic pattern.			There are 2 existing cross section on 485. - 3 lanes each direction with a paved median from 77- to Johnston Road. - Then as you travel east its is 2 lanes either direction with a variable width grassed median to US-74.				
Annual Avg Daily Traffic (veh/hr/day):	Design/Future:	1592	Year:	2040	Existing:	1186	Year:	2015
General Project Narrative: (Description of Minimization of Water Quality Impacts)	<p>The NCDOT is widening a section of I-485 that lies within the municipal boundaries of the Cities of Charlotte and Matthews. The Design-Build Project I-5507 / R-0211EC / U-4714AB will provide an eastbound and westbound Express Lane within the I-485 median from I-77 to US 74 (Independence Boulevard), a distance of approximately 16.6 miles. The project will also provide an I-485 / Weddington Road interchange, and modify the I-485 / East John Street - Old Monroe Road interchange</p> <p>The Impacts for R-0211 EC are located on Sheets 60 and 61 of the plan set and are in relation to the widening of 485 that is needed to accomodate a new interchange at Weddington Road.</p> <p>Construction will unavoidably impact several streams. Where practicable, 2:1 slopes will be used to minimize impacts. Where culverts are being extended in jurisdictional streams rip rap for stabilization is being installed on banks only.</p> <p><u>Best Management Practices:</u>            *Dry Detention Basin.            *Promotion of sheet flow and infiltration with grassed shoulders except were shoulder berm gutter was required.            *Drainage systems outlet to rip rap pads or riprap lined ditches.            *Riprap on embankments was used to prevent erosion where ditches enter streams.</p>							

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Surface Water Body (1):	Fourmile Creek		NCDWR Stream Index No.:	11-137-9-4			
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C				
	Supplemental Classification:						
Other Stream Classification:	None						
Impairments:	None						
Aquatic T&E Species?	Comments:						
NRTR Stream ID:	SBF SBE		Buffer Rules in Effect:	N/A			
Project Includes Bridge Spanning Water Body?	No	Deck Drains Discharge Over Buffer?	No	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)							



