

US 64 Improvements Project (R-2544/R-2545)
Preferred Alternative Impacts by Section and Subsection

Impact Category	Preferred Alternative															Total Impacts: Preferred Alternative		
	1-1	1-2	1-3	1-4	1-5	1-6	2	3	4-1	4-2	4-3	5-1	5-2	5-3	5-4			
	North-Side	South-Side	North-Side	North-Side	North-Side	North-Side	Tyrrell North (2D)	Dare North 2 (Refined)	Connector to Southern Bypass (Refined)	Southern Bypass (Refined)	North-Side (Refined)	South-Side (Refined)	North-Side (Refined)	Best Fit	South-Side			
Total Cost (Millions)	\$12.9	\$7.8	\$18.9	\$5.0	\$9.4	\$10.1	\$10.3	\$194.0	\$5.7	\$19.4	\$4.9	\$8.4	\$8.6	\$8.5	\$48.0	\$372.1		
Community	Neighborhood Disturbance	Columbia Neighborhood (East of Columbia)-- 1 of 10 homes taken			Low to Moderate: Multigenerational, minority, cohesive, low-income Alligator Community; will need to relocate 3-4 homes						Low: East Lake is bypassed with 1 residential and 1 business relocation.						Low to Moderate: Some disturbance in neighborhood east of Columbia (1 of 10 homes); Some disturbance in Alligator community (3 or 4 homes out of 20)	
	Likely Environmental Justice Impact (Disproportionately High and Adverse)				Not an adverse impact to 3 of 4 relocated homeowners. However, impacts to remaining community are being evaluated.												In Alligator: Not an adverse impact to 3 of 4 relocated homeowners. However, impacts to remaining community are being evaluated.	
	Relocations	Historic Resource							Lindsay C. Warren Bridge									Lindsay C. Warren Bridge
		Residence	1	1		3 to 4					1			1				7 to 8
		Business									1							1
		Church																
		Cemetery													1			1
Other				1 shed	1 Abandoned Structure											1 shed and 1 abandoned structure		
Landfill Waste Line Impact														Avoids landfill waste line		Avoids landfill waste line		
Significant Natural Heritage Areas (Acres)	Alligator Creek/Second Creek Swamp Forest			13.46			17.57	17.65	0.02							48.70		
	Alligator River/South Lake Swamp Forest										4.18		5.67			9.86		
	Alligator River Swamp Forest								0.24	0.86						1.10		
	Mashoes Pocosin														4.76	4.76		
	Roanoke/Stumpy Point Marshes and Pocosin														48.93	48.93		
	Scuppernong River Swamp Forest																	
Managed Resources (Acres)	Total SNHA			13.46			17.57	17.65	0.02	0.24	0.86	4.18	5.67		53.69	113.35		
	Alligator River Gameland			4.17												4.17		
	Alligator River National Wildlife Refuge										5.37	6.57	11.98	3.23	2.91	40.90		
	Great Dismal Swamp Wetland Mitigation Bank Phase 1																	
	J. Morgan Futch Gameland			0.03												0.03		
	Palmetto-Peartree Preserve			10.04	0.01	6.43	2.05									18.53		
Natural Resources (Acres)	Prime Farmland	3.70	6.20													9.90		
	Canal Relocation (Linear Feet)										1,699	324	6,163	1,025	2,700	980		
	Essential Fish Habitat	19.57	1.73	21.92	7.82	19.97	26.46	18.19	2.00	11.45	21.20	8.30	17.00	10.40	12.92	67.06		
	RCW Habitat				14.74	25.22	26.90	6.32							17.47	16.48		
	CAMA Resources	Estuarine Public Trust Waters							2.03	0.61							2.64	
		Inland Public Trust Waters								0.08						3.08	1.17	
		Inland Public Trust Waters Shorelines (30 feet)								0.24						3.49	1.85	
		Estuarine Public Trust Waters Shorelines (75 feet)								0.62							0.62	
		Outstanding Resource Waters Shorelines (575 feet)						19.05	19.88		10.76	0.09					49.78	
		Coastal Wetlands							0.23		1.69	0.20					2.66	
	Total CAMA Resources						19.37	20.11	2.03	13.68	0.30				6.57	5.68		
	Jurisdictional Wetlands	19.60	1.55	20.99	7.60	19.33	26.10	17.96		10.47	19.72	7.23	12.75	8.77	9.84	55.86		
	Wildlife Crossing Additional Footprint ¹	0.23		3.70	0.23	2.11	0.82	0.23		0.23		1.33	2.08			3.90		
Jurisdictional Wetlands Plus Crossing Footprint	19.83	1.55	24.69	7.83	21.44	26.92	18.19		10.70	19.72	8.56	14.83	8.77	9.84	59.76			
Other Natural Resource Impacts										24.33 acres of ARNWR reconnected	2.08 acres of ARNWR fragmented	Balance between use of ARNWR forested buffer and avoiding environmental justice impacts.		All RCW cavity trees inactive; Balance between use of ARNWR forested buffer and avoiding former landfill waste line	All RCW cavity trees inactive	Potential for 13 RCW takes, proximity to nests closest with North-Side Widening and more foraging habitat used with 46-foot median; Fragments 2.08 acres of ARNWR; Reconnects 24.33 acres of ARNWR; Balance between use of ARNWR forested buffer and avoiding environmental justice impact		

¹ Wildlife crossings as currently defined would increase the impact of the Preferred Alternative (total length) by 14.86 acres.