

"CONSERVATION IS A STATE OF HARMONY  
BETWEEN MEN AND LAND."

- ALDO LEOPOLD



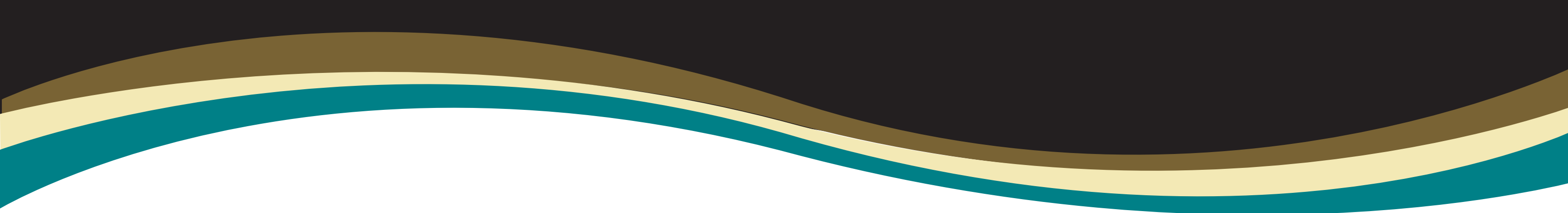
ALTERNATIVE TRANSPORTATION STUDY

# BACK BAY NATIONAL WILDLIFE REFUGE

CITY OF VIRGINIA BEACH, VIRGINIA

DECEMBER 18, 2015





**Alternative Transportation Study**  
**BACK BAY NATIONAL WILDLIFE REFUGE**  
**City of Virginia Beach, Virginia**

**December 18, 2015**

- Department of Parks & Recreation  
Division of Planning, Design & Development

- Department of Public Works

# ACKNOWLEDGEMENTS

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# LIST OF ACRONYMS

AASHTO	American Association of State Highway and Transportation Officials	PSF	Pounds per Square Foot
ACA	American Canoe Association	ROW	Right-of-way
ADA	Americans with Disabilities Act	RTP	Recreational Trails Program
ATS	Alternative Transportation Study	SHSP	Strategic Highway Safety Program
BBRF	Back Bay Restoration Foundation	ST	Sandbridge Road Sigma Trail
BBRT	Back Bay Refuge Trail	STP	Surface Transportation Program
BBNWR	Back Bay National Wildlife Refuge	SUP	Shared use path
BTAC	Bikeways and Trails Advisory Committee	TAC	Technical Advisory Committee
CFS	Club Fostered Stewardship	TAP	Transportation Alternatives Program
CIM	Citizen's Information Meetings	TCC	Tidewater Community College
CIP	Capital Improvement Program	TIGER	Transportation Investment Generating Economic Recovery
CMAQ	Congestion Mitigation and Air Quality Improvement Program	VDOT	Virginia Department of Transportation
DCR	Department of Conservation and Recreation	VPD	Vehicles Per Day
DGIF	Department of Game and Inland Fisheries	VTH	Virtual Town Hall
DOT	Department of Transportation	WMA	Wildlife Management Area
FCSP	False Cape State Park		
FHWA	Federal Highway Administration		
FLMA	Federal Land Management Agency		
FWS	Fish and Wildlife Service		
HRT	Hampton Roads Transit		
HSIP	Highway Safety Improvement Program		
LRFD	Load and Resistance Factor Design		
MAP-21	Moving Ahead for Progress in the 21st Century Act		
MOE	Measures of Effectiveness		
MPO	Metropolitan Planning Organization		
NHTSA	National Highway Traffic Safety Administration		
nm	Nautical Miles		
NRCS	Natural Resources Conservation Service		
NWR	National Wildlife Refuge		
OSAC	Open Space Advisory Committee		
OUPV	Operator of Uninspected Passenger Vessels		

