



Draft Environmental Impact Statement and Draft Section 4(f) Evaluation

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U.S. Department
of Transportation

**Federal Highway
Administration**

MOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION



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APPENDIX G	Cultural Resources Technical Report <ul style="list-style-type: none"> Volume 1: Overview and Effects Assessment Volume 2: Archaeological and Historic Architectural Gap Analysis and Assessment Volume 3: Architectural Resources Evaluation Technical Report Volume 4: Phase I Archaeological Investigation Volume 5: Phase II Archaeological Evaluation at Sites 18PR750, 18MO749, and 18MO751 for the I-495 & I-270 Managed Lanes Volume 6: Phase I Archaeological Survey, Intensive Phase I Archaeological Survey of 44FX0373, and Phase II Archaeological Evaluation at Sites 44FX0374, 44FX0379, 44FX0381, 44FX0389, 44FX3160, and 44FX3900 Within the George Washington Memorial Parkway for the I-495 Northern Extension (NEXT) Project and the I-495/I-270 Managed Lanes Study, Fairfax County, Virginia
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APPENDIX K	Hazardous Materials Technical Report
APPENDIX L	Natural Resources Technical Report
APPENDIX M	Avoidance, Minimization & Impacts Report (AMR)
APPENDIX N	Draft Compensatory Mitigation Plan
APPENDIX O	Indirect and Cumulative Effects Technical Report
APPENDIX P	Public Involvement & Agency Coordination Technical Report
APPENDIX Q	Conceptual Mitigation Plan
APPENDIX R	Joint Permit Application, including the following supporting documents: <ul style="list-style-type: none"> 1. Application 2. Impact Plates 3. Impact Tables
APPENDIX S	Environmental Assessment Form

ABBREVIATIONS AND ACRONYMS

AA	Alternatives Analysis
AASHTO	American Association of State Highway and Transportation Officials
AADT	Average Annual Daily Traffic
ACHP	Advisory Council on Historic Preservation
ADA	Americans with Disabilities Act
ADT	Annual Daily Traffic
APE	Area of Potential Effects
ARDS	Alternatives Retained for Detailed Study
AST	Aboveground Storage Tank
ATM	Active Traffic Management
BMP	Best Management Practice
BO	Biological Opinion
BRT	Bus Rapid Transit
CAA	Clean Air Act
CCT	Corridor Cities Transitway
C-D	Collector-Distributor
CCA	Capper-Cramton Act
CDP	Census Designated Place
CEA	Community Effects Assessment
CEQ	Council on Environmental Quality
CFR	Code of Federal Regulations
CH ₄	Methane
CLRP	Constrained Long-Range Plan
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
COMAR	Code of Maryland Regulations
CP _v	Channel Protection Volume
CRZ	Critical Root Zone
CSXT	CSX Transportation
CTB	Consolidated Transportation Bonds
CWA	Clean Water Act
dB	Decibel
dBA	A-weighted Decibel
DEIS	Draft Environmental Impact Statement
DHR	Department of Historical Resources
DMS	Dynamic message signs
DSL	Dynamic speed limit
E&S	Erosion and Sediment Control
EA	Environmental Assessment
EDR	Environmental Data Resources, Inc.

EFH	Essential Fish Habitat
EIA	Energy Information Administration
EJ	Environmental Justice
EO	Executive Order
ESD	Environmental Site Design
ETC	Electronic Toll Collection
ETL	Express Toll Lane
FAQs	Frequently Asked Questions
FAST	Fixing America's Surface Transportation Act
FCDPWES	Fairfax County Department of Public Works and Environmental Services
FEIS	Final Environmental Impact Statement
FEMA	Federal Emergency Management Agency
FFPA	Farmland Protection Policy Act
FHWA	Federal Highway Administration
FIDS	Forest Interior Dwelling Bird Species
FTA	Federal Transit Administration
FWCA	Fish and Wildlife Coordination Act
GDP	Gross Domestic Product
GHG	Greenhouse Gases
GI	Green Infrastructure
GIA	Green Infrastructure Assessment
GIS	Geographic Information System
GP	General Purpose
GWMP	George Washington Memorial Parkway
HCS	Highway Capacity Software
HFC	Hydrofluorocarbons
HOT	High-occupancy Toll
HOV	High-occupancy Vehicle
HUD	Housing and Urban Development
IAWG	Interagency Working Group
IBI	Indices of Biological Integrity
ICC	Intercounty Connector
ICE	Indirect and Cumulative Effects
ICM	Innovative Congestion Management
IPaC	Information Planning and Consultation
IRVM	Integrated Roadside Vegetation Management
JBA	Joint Base Andrews
LF	Linear Feet
LOD	Limits of Disturbance
LOS	Level of Service
LUST	Leaking Underground Storage Tank

MARC	Maryland Area Regional Commuter
MBSS	Maryland Biological Stream Survey
MCDEP	Montgomery County Department of Environmental Protection
MDE	Maryland Department of the Environment
MDL	Maryland Department of Labor
MDNR	Maryland Department of Natural Resources
MDOT SHA	Maryland Department of Transportation State Highway Administration
MDP	Maryland Department of Planning
MDTA	Maryland Transportation Authority
MGS	Maryland Geological Survey
MHT	Maryland Historical Trust
M-NCPPC	Maryland-National Capital Park and Planning Commission
MOU	Memorandum of Understanding
MP	Master Plan
MSATs	Mobile Source Air Toxics
MSFCMA	Magnuson-Stevens Fishery Conservation and Management Act
MSTM	Maryland Statewide Transportation Model
MTA	Maryland Transit Administration
MWCOG	Metropolitan Washington Council of Governments
N ₂ O	Nitrous Oxide
NAAQS	National Air Quality Standards
NAC	Noise Abatement Criteria
NB	Northbound
NCHRP	National Cooperative Highway Research Program
NCPC	National Capital Planning Commission
NCRTPB	National Capital Region Transportation Planning Board
NEPA	National Environmental Policy Act
NHPA	National Historic Preservation Act
NLEB	Northern Long-eared Bat
NMFS	National Marine Fisheries Service
NO ₂	Nitrogen Dioxide
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice of Intent
NPL	National Priorities List
NPS	National Park Service
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NSA	Noise-sensitive Area
NWI	National Wetlands Inventory
O ₃	Ozone
OFD	One Federal Decision

OHW	Ordinary High Water
OMB	Office of Management and Budget
OWJ	Officials with Jurisdiction
P3	Public-Private Partnership
PA	Programmatic Agreement
Pb	Lead
PCB	Polychlorinated Biphenyl
PECs	Potential Environmental Concerns
PEM	Palustrine Emergent
PFO	Palustrine Forested
PGDoE	Prince George's County Department of the Environment
PM	Particulate Matter
PSI	Preliminary Site Investigations
PSS	Palustrine Scrub-shrub
PTI	Planning Time Index
Q _p	Quantity Management
QW	Queue Warning
RBP	Rapid Bioassessment Protocol
Re _v	Recharge Volume
RFP	Request for Proposals
ROD	Record of Decision
ROW	Right-of-way
RTE	Rare, Threatened, and Endangered
SB	Southbound
SDWA	Safe Drinking Water Act
SF	Square Feet
SGCN	Species of Greatest Conservation Need
SO ₂	Sulfur Dioxide
SPA	Special Protection Area
SPUI	Single Point Urban Interchange
SSPRA	Sensitive Species Project Review Areas
SVP	Stream Valley Park
SWM	Stormwater Management
TAZ	Traffic Analysis Zone
TDM	Transportation Demand Management
TEA	Targeted Ecological Area
TFAD	Travel Forecasting and Analysis Division
TIP	Transportation Improvement Program
TMDL	Total Maximum Daily Loads
TNM	Traffic Noise Model
TPB	Transportation Planning Board

TSM	Transportation System Management
TTI	Travel Time Index
USACE	United States Army Corps of Engineers
USC	United States Code
USDA	United States Department of Agriculture
USDA BARC	United States Department of Agriculture Beltsville Agricultural Research Center
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	Underground Storage Tank
VAC	Code of Virginia
VDACS	Virginia Department of Agriculture and Consumer Services
VDCR	Virginia Department of Conservation and Recreation
VDCR-DNH	Virginia Department of Conservation and Recreation- National Heritage
VDEQ	Virginia Department of Environmental Quality
VDGIF	Virginia Department of Game and Inland Fisheries
VDH	Virginia Department of Health
VDOF	Virginia Department of Forestry
VDOT	Virginia Department of Transportation
VMRC	Virginia Marine Resources Commission
VWPP	Virginia Water Protection Permit
VMT	Vehicle Miles Traveled
WHS	Wildlife and Heritage Service
WMATA	Washington Metropolitan Area Transit Authority
WQ _v	Water Quality Volume