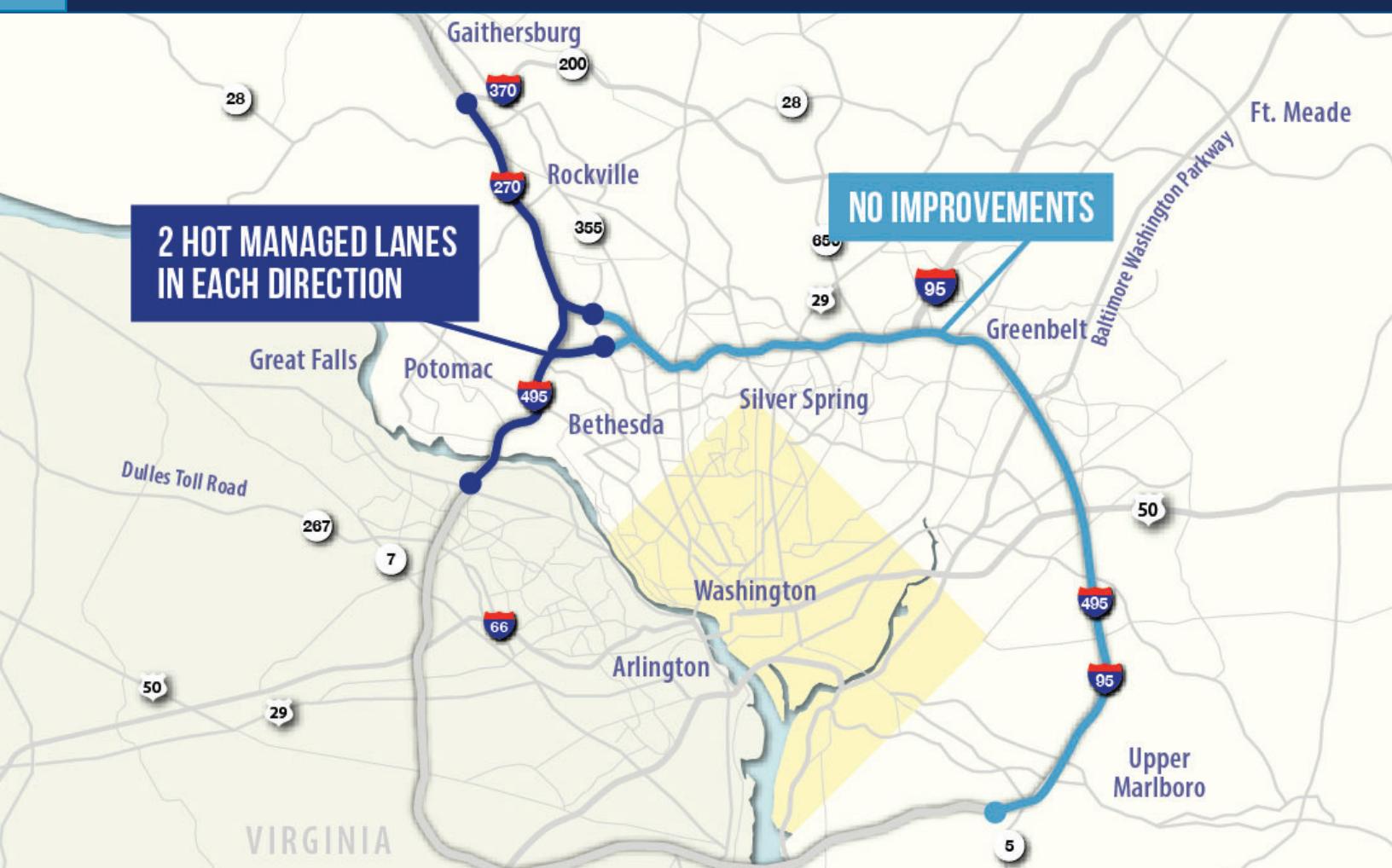




I-495 & I-270 MANAGED LANES STUDY

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

October 2021



I-495 & I-270 MANAGED LANES STUDY
Montgomery and Prince George's Counties, Maryland & Fairfax County, Virginia

SUPPLEMENTAL DRAFT ENVIRONMENTAL IMPACT STATEMENT
and
UPDATED DRAFT SECTION 4(f) EVALUATION

Submitted Pursuant to:
42 U.S.C. §4332(2)(C) and 49 U.S.C. §303

By:
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
and
MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

In Cooperation with:
U.S. Army Corp of Engineers, National Park Service,
U.S. Environmental Protection Agency, National Capital Planning Commission,
Maryland Department of the Environment,
Virginia Department of Transportation, and Maryland-National Capital Park and Planning Commission

9/23/2021

Date of Approval

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This Supplemental Draft Environmental Impact Statement (SDEIS) has been prepared, in accordance with 23 CFR 771.130, to consider new information relative to the Preferred Alternative, Alternative 9 – Phase 1 South. Building off the analysis in the existing Draft Environmental Impact Statement (DEIS), the SDEIS is limited in scope to focus on new information available and analyses completed since the July 10, 2020 DEIS publication while referencing the DEIS for information that remains valid. The Preferred Alternative focuses on constructing two high-occupancy toll (HOT) managed lanes in each direction on I-495 from the GWMP in Virginia to east of MD 187 on I-495, including the American Legion Bridge, and on I-270 from I-495 to north of I-370 and on the I-270 east spur from east of MD 187 to I-270. No action or no improvements are proposed east of the I-270 East Spur as part of the Preferred Alternative. This SDEIS presents a description of the Preferred Alternative, 2045 No Build and Preferred Alternative traffic analyses, the permanent and temporary impacts associated with the Preferred Alternative, including avoidance and minimization efforts as well as details related to the current efforts on conceptual mitigation for unavoidable impacts. Comments on the SDEIS are due 11:59 PM on November 15, 2021 and should be sent to Jeff Folden at the above address or submitted using the online comment form at oplanesmd.com/SDEIS. FHWA does not intend to issue a combined FEIS/ROD.



**Supplemental Draft
Environmental Impact Statement and
Updated Draft Section 4(f) Evaluation**

October 2021



**U.S. Department
of Transportation**
**Federal Highway
Administration**

MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

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APPENDIX K	EJSCREEN Data & Mapping Supporting the Environmental Justice Analysis

ABBREVIATIONS AND ACRONYMS

495 NEXT	Virginia Department of Transportation I-495 Express Lanes Northern Extension
AC	Acres
ACHP	Advisory Council on Historic Preservation
ADT	Annual Daily Traffic
ALB	American Legion Bridge
AMR	Avoidance, Minimization, and Impacts Report
APE	Area of Potential Effects
ARDS	Alternatives Retained for Detailed Study
AST	Aboveground Storage Tank
BMP	Best Management Practice
BRT	Bus Rapid Transit
C&O	Chesapeake and Ohio
CAVs	Connected and Automated Vehicles
CCA	Capper-Cramton Act
CEA	Community Effects Assessment

CFR	Code of Federal Regulations
CH ₄	Methane
CLRP	Constrained Long-Range Plan
CMP	Compensatory Mitigation Plan
CNE	Common Noise Environment
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
COMAR	Code of Maryland Regulations
C _{pv}	Channel Protection Volume
CWA	Clean Water Act
dB	Decibel
DBA	A-weighted Decibel
DBH	Diameter at Breast Height
DEIS	Draft Environmental Impact Statement
DHR	Department of Historical Resources
DOT	Department of Transportation
DPW&T	Department of Public Works & Transportation
E&S	Erosion and Sediment Control
EA	Environmental Assessment
EIS	Environmental Impact Statement
EJ	Environmental Justice
EO	Executive Order
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
ESD	Environmental Site Design
ETC	Electronic Toll Collection
ETL	Express Toll Lane
FEIS	Final Environmental Impact Statement
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FIDS	Forest Interior Dwelling Bird Species
FTA	Federal Transit Administration
GHG	Greenhouse Gases
GI	Green Infrastructure
GIA	Green Infrastructure Assessment
GIS	Geographic Information System
GP	General Purpose
GWMP	George Washington Memorial Parkway
H&H	Hydrologic and Hydraulic
HB	House Bill
HOA	Homeowners' Association

HOT	High-occupancy Toll
HOV	High-occupancy Vehicle
HUC	Hydrologic Unit Code
HUD	Housing and Urban Development
IAPA	Interstate Access Point Approval
IAT	Impervious Area Treatment
IAWG	Interagency Working Group
IB	Indiana Bat
IBI	Indices of Biological Integrity
ICC	Intercounty Connector
ICE	Indirect and Cumulative Effects
ICM	Innovative Congestion Management
JD	Jurisdictional Determination
JPA	Joint Permit Application
KLC	Keyes, Lethbridge, and Condon
LF	Linear Feet
LOD	Limits of Disturbance
LOS	Level of Service
LRP/VCP	Land Restoration Program/Voluntary Cleanup Program
LUST	Leaking Underground Storage Tank
MARC	Maryland Area Regional Commuter
MCCC	Maryland Commission on Climate Change
MCDOT	Montgomery County Department of Transportation
MDE	Maryland Department of the Environment
MDNR	Maryland Department of Natural Resources
MDOT SHA	Maryland Department of Transportation State Highway Administration
MDP	Maryland Department of Planning
MDTA	Maryland Transportation Authority
MERLIN	Maryland's Environmental Resources and Land Information Network
MHT	Maryland Historical Trust
MIHP	Maryland Inventory of Historic Properties
M-NCPPC	Maryland-National Capital Park and Planning Commission
MPO	Metropolitan Planning Organization
MPH	Miles per Hour
MSATs	Mobile Source Air Toxics
MSFCMA	Magnuson-Stevens Fishery Conservation and Management Act
MTA	Maryland Transit Administration
MWCOG	Metropolitan Washington Council of Governments
MWG	Mitigation Working Group
N ₂ O	Nitrous Oxide
NAAQS	National Air Quality Standards

NAC	Noise Abatement Criteria
NB	Northbound
NCPC	National Capital Planning Commission
NEPA	National Environmental Policy Act
NHPA	National Historic Preservation Act
NIST	National Institute of Standards and Technology
NLEB	Northern Long-eared Bat
NMFS	National Marine Fisheries Service
NO ₂	Nitrogen Dioxide
NOAA	National Oceanic and Atmospheric Administration
NPS	National Park Service
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NPDES	National Pollutant Discharge Elimination System
NSA	Noise-sensitive Area
O ₃	Ozone
OFD	One Federal Decision
OWJ	Officials with Jurisdiction
P3	Public-Private Partnership
PA	Programmatic Agreement
Pb	Lead
PCB	Polychlorinated Biphenyl
PCT	Piscataway Conoy Tribe of Maryland
PEM	Palustrine Emergent
PFO	Palustrine Forested
PM	Particulate Matter
PPE	Personal Protective Equipment
PSI	Preliminary Site Investigations
PSS	Palustrine Scrub-shrub
PTI	Planning Time Index
Q _p	Quantity Management
RBP	Rapid Bioassessment Protocol
RFP	Request for Proposals
ROD	Record of Decision
RTE	Rare, Threatened, and Endangered
SB	Southbound
SDEIS	Supplemental Draft Environmental Impact Statement
SF	Square Feet
SFB	Small-footed Bat
SGCN	Species of Greatest Conservation Need
SO ₂	Sulfur Dioxide

SOF	Statement of Findings
SPA	Special Protection Area
SSPRA	Sensitive Species Project Review Areas
SVP	Stream Valley Park
SWAP	State Wildlife Action Plan
SWM	Stormwater Management
TDM	Transportation Demand Management
TEA	Targeted Ecological Area
TMDL	Total Maximum Daily Loads
TNM	Traffic Noise Model
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
USDOI	United States Department of the Interior
USDOT	United States Department of Transportation
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
USPS	United States Postal Service
UST	Underground Storage Tank
VAC	Virginia Administrative Code
VDCR	Virginia Department of Conservation and Recreation
VDEQ	Virginia Department of Environmental Quality
VDGIF	Virginia Department of Game and Inland Fisheries
VDHR	Virginia Department of Historic Resources
VDOT	Virginia Department of Transportation
VMT	Vehicle Miles Traveled
WBFC	Washington Biologists' Field Club
WHS	Wildlife and Heritage Service
WMATA	Washington Metropolitan Area Transit Authority
WQ _v	Water Quality Volume
WQC	Water Quality Certification
WSSC	Washington Suburban Sanitary Commission
WUS	Waters of the United States