

# **Susquehanna River Rail Bridge Project Environmental Assessment And Draft 4(f) Evaluation**



**March 2017**



# Susquehanna River Rail Bridge Environmental Assessment (EA) and Draft Section 4(f) Evaluation

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Prepared by:

**Federal Railroad Administration (FRA)**

Cooperating Agencies:

**Federal Transit Administration (FTA)**

**United States Coast Guard**

**Army Corps of Engineers (ACOE)**

Pursuant to:

National Environmental Policy Act (42 U.S.C. § 4321 et seq.), and implementing regulations (40 CFR Parts 1500-1508), 23 CFR §771, Section 4(f) of the U.S. Department of Transportation Act (49 USC §303) and implementing regulations (23 CFR Part 774); FRA Procedures for Considering Environmental Impacts (64 Fed. Reg. 28545, May 26, 1999); National Historic Preservation Act (54 USC §306101 et seq.) and implementing regulations (36 CFR Part 800); Clean Air Act as amended (42 USC §7401 et seq.) and implementing regulations (40 CFR Parts 51 and 93); the Endangered Species Act of 1973 (16 USC §1531-1544) and implementing regulations (50 CFR Part 402); the Clean Water Act (33 USC §1251-1387) and implementing regulations (33CFR Parts 320 to 324 and 40 CFR Part 230); and the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended (42 USC §4601).

Approved:

3/2/17

Date

Jelena B. Young for

Jamie Rennert

Director, Office of Program Delivery  
Federal Railroad Administration

The following person may be contacted for information on the Environmental Assessment:

**Brandon Bratcher**

Environmental Protection Specialist  
Office of Railroad Policy and Development  
USDOT Federal Railroad Administration  
1200 New Jersey Avenue, SE  
Washington, DC 20590

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**LIST OF ACRONYMS AND ABBREVIATIONS**

ACHP	Advisory Council on Historic Preservation
ACM	Asbestos-Containing Materials
ACS	American Community Survey
Amtrak	National Railroad Passenger Corporation
APE	Area of Potential Effects
AQCR	Air Quality Control Region
ARDS	Alternatives Retained for Detailed Study
AREMA	American Railway Engineering and Maintenance-of-Way Association
BMC	Baltimore Metropolitan Council
BMPs	Best Management Practices
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
CAA	Clean Air Act
CARB	California Air Resources Board
CDP	Carbon Disclosure Project
CEQ	Council on Environmental Quality
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
CETC	Centralized Electrification and Traffic Control
CFR	Code of Federal Regulations
CHASP	Construction Health and Safety Plan
COMAR	Code of Maryland Regulations
CPP	Construction Protection Plan
CREATE	Chicago Rail Efficiency and Transportation Efficiency
CZARA	Coastal Zone Act Reauthorization Amendments
CZMA	Federal Coastal Zone Management Act of 1972
DFE	Design Flood Elevation
DLLR	Maryland Department of Labor, Licensing and Regulation
DNR	Maryland Department of Natural Resources
DOE	Determination of Eligibility
DOTs	State Departments of Transportation
DPF	Diesel Particulate Filters
DPS	Distinct Population Segment
DRO	Diesel Range Organics
EA	Environmental Assessment
ECG	East Coast Greenway
EDR	Environmental Data Resources, Inc.
EFH	Essential Fish Habitat
ERNS	Emergency Response Notification System
ESA	Endangered Species Act
ESD	Environmental Site Design
FAQs	Frequently Asked Questions
FHWA	Federal Highway Administration
FIDS	Forest Interior Dwelling Species
FIRM	Flood Insurance Rate Maps
FONSI	Finding of No Significant Impact



## Susquehanna River Rail Bridge Project

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FPPA	Farmland Policy Protection Act
FR	Federal Register
FRA	Federal Railroad Administration
FSD	Forest Stand Delineation
FTA	Federal Transit Administration
GGRA	Greenhouse Gas Emissions Reduction Act
GHG	Greenhouse Gas
GIS	Geographic information System
HAER	Historic American Engineering Record
HCPS	Harford County Public Schools
HEAT	Higher Education Applied Technology
HSIPR	High-Speed Intercity Passenger Rail
HSR	High Speed Rail
HUD	United States Department of Housing and Urban Development
IBI	Index of Biotic Integrity
ICE	Indirect and Cumulative Effects
IDA	Intensely Developed Areas
IRMs	Interagency Review Meetings
JPA	Joint Permit Application
LDA	Limited Development Areas
LEP	Limited English Proficiency
LOD	Limit of Disturbance
LSHG	Lower Susquehanna Heritage Greenway
LUST	Leaking Underground Storage Tank
LWCF	Land and Water Conservation Funding
MARA	Maryland Amphibian and Reptile Atlas
MARC	Maryland Area Regional Commuter
MDE	Maryland Department of the Environment
MDOT	Maryland Department of Transportation
MDP	Maryland Department of Planning
MdTA	Maryland Transportation Authority
MERLIN	Maryland Environmental Resources and Land Information Network
MGP	Manufactured Gas Plant
MGS	Maryland Geological Survey
MHT	Maryland Historical Trust
MHW	Mean High Water
MIHP	Maryland Inventory of Historic Properties
MLW	Mean Low Water
MMAP	Maryland Maritime Archeology Program
MP	Milepost
MPOs	Metropolitan Planning Organizations
MTA	Maryland Transit Administration
MY	Model Year
NAAQS	National Ambient Air Quality Standards
NEC	Northeast Corridor
NEPA	National Environmental Policy Act
NESHAPS	National Emissions Standards for Hazardous Air Pollutants
NETR	Natural Environmental Technical Report

NFRAP	No Further Remedial Action Planned
NHD	National Hydrography Dataset
NHL	National Historic Landmarks
NHPA	National Historic Preservation Act
NHTSA	National Highway Traffic Safety Administration
NLEB	Northern Long-Eared Bat
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NPDES	National Pollutant Discharge Elimination System
NPL	National Priority List
NPS	National Parks Service
NR	National Register of Historic Places
NS	Norfolk Southern Railway
NWI	National Wetlands Inventory
OCP	Oil Control Program
OSHA	Occupational Safety and Health Administration
OTN	Open Transport Network
PA	Programmatic Agreement
PAHs	Polycyclic Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
PCE	Tetrachloroethene
PFA	Priority Funding Areas
PIA	Public Information Act
POS	Program Open Space
PTC	Positive Train Control
PVC	Polyvinyl Chloride
PW&B	Philadelphia, Wilmington and Baltimore Railroad
RCA	Resource Conservation Areas
RCRA	Resource Conservation and Recovery Act
RCRA	Resource Conservation and Recovery Act
RGGI	Regional Greenhouse Gas Initiative
ROD	Record of Decision
ROW	Right-of-Way
RTE	Rare, Threatened, or Endangered Species
SAV	Submerged Aquatic Vegetation
SCORP	Statewide Comprehensive Outdoor Recreation Plan
SEPTA	Southeastern Pennsylvania Transportation Authority
SHA	State Highway Administration
SHPO	State Historic Preservation Office
SHWS	State Hazardous Waste Site
SIPs	State Implementation Plans
SOI	Secretary of Interior
SRRBP	Susquehanna River Rail Bridge Project
SSPRA	Sensitive Species Project Review Areas
SVOCs	Semi-Volatile Organic Compounds
TCA	Trichloroethane
TCE	Trichloroethene
TCR	The Climate Registry

## Susquehanna River Rail Bridge Project

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TMDL	Total Maximum Daily Load
TOD	Transit-Oriented Development
TSCA	Toxic Substances Control Act
TSD	Treatment, Storage and Disposal
TSS	Total Suspended Solids
UG	Undergrade
ULSD	Ultra-low sulfur diesel
USACE	United States Army Corps of Engineers
USC	United States Code
USCG	United States Coast Guard
USDHHS	U.S. Department of Health and Human Services
USDOE	U.S. Department of Energy
USDOI	U.S. Department of the Interior
USDOT	U.S. Department of Transportation
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
USGS	United States Geological Survey
VA	Veterans Administration
VC	Vinyl Chloride
VMT	Vehicle Miles Traveled
VOCs	Volatile Organic Compounds
WHPA	Wellhead Protection Areas
WHS	Wildlife and Heritage Service
WSSC	Wetland of Special State Concern