

# Appendix N

## Acronyms, References, and List of Preparers

### N.1 Acronyms and Abbreviations

AADT	Annual average daily traffic
AAR	Association of American Railroads
AAR	Association of American Railroads
AASHTO	American Association of State Highway and Transportation Officials
APE	Area of Potential Effects
AREMA	American Railway Engineering Maintenance-of-Way Association
ASLRRA	American Short Line and Regional Railroad Association
ATV	All-terrain vehicle
AWIA	American Water Infrastructure Act
BA	Biological Assessment
BEA	Department of Commerce Bureau of Economic Analysis
BFE	Base flood elevation
BLS	Bureau of Labor Statistics
BTMP	Texas-Mexico Border Transportation Master Plan
CFR	Code of Federal Regulations
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CAD	Computer-aided design
CADNA	Computer Aided Noise Abatement
CBP	Customs and Border Protection
CDT	Central Daylight Time
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CH <sub>4</sub>	Methane
CLOMR	Conditional Letter of Map Revision

CMV	Commercial Motor Vehicle
CO	Carbon monoxide
CO <sub>2</sub> e	Carbon dioxide equivalent
CORRACTS	Corrective action
CRIS	Crash Records Information System
CWA	Clean Water Act
dB	Transmission loss
dba	A-weighted decibels
DHV	Design hour volume
DNL	Day-night average noise level
Dvwy	Driveway
EB	Bayes statistical method
EDR	Environmental Data Resources, Inc.
EIS	Environmental Impact Statement
EO	Executive Order
EPA	Environmental Protection Agency
ERNS	Emergency Response Notification System
ESA	Endangered Species Act
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FIFRA	Federal Insecticide, Fungicide and Rodenticide Act
FM	Farm-to-Market Road
FMCSA	Federal Motor Carrier Safety Administration
FPPA	Farmland Protection Policy Act
FRA	Federal Railroad Administration
FTA	Federal Transit Administration
GDP	Gross Domestic Product
GDNR	Georgia Department of Natural Resources
GER	Green Eagle Railroad
GHG	Greenhouse gases
GIS	Geographic Information Systems

GSA	General Services Administration
GWP	Global warming potential
HAPs	Hazardous air pollutants
Hz	Hertz
HMTA	Hazardous Materials Transportation Act
HSM	Highway Safety Manual
HUD	Department of Housing and Urban Development
IBWC	International Boundary and Water Commission
ICC	Interstate Commerce Commission
ID	Identification
IPaC	Information for Planning and Consultation
KOP	Key observation point
LOS	Level of service
MBTA	Migratory Bird Treaty Act
MJ	Million joules
MM	Mitigation measure
MSAT	Mobile source air toxics
N <sub>2</sub> O	Nitrous oxide
NAAQS	National Ambient Air Quality Standards
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NEPA	National Environmental Policy Act
NHPA	National Historic Preservation Act
NII	Non-intrusive inspection
NO <sub>2</sub>	Nitrogen dioxide
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice of Intent
NOX	Oxides of nitrogen
NPL	Federal National Priorities List
NPSOT	Native Plant Society of Texas
NRC	National Response Center
NRC	Noise reduction coefficient

NRCS	National Resources Conservation Service
MV	Multiple vehicle
O <sub>3</sub>	Ozone
OEA	Office of Environmental Analysis
Pb	Lead
PBF	Physical and biological feature
PCE	Primary constituent elements
PHMSA	Pipeline and Hazardous Materials Safety Administration
PM	Particulate matter
POM	Polycyclic organic matter
PPV	Peak-particle velocity
PTC	Positive Train Control
PVH	Puerto Verde Holdings
RB	Native brushland
RCRA	Resource Conservation Recovery Act
RMS	Root-mean square
ROM	Rough-order-of magnitude
RSIA	Rail Safety Improvement Act of 2008
RTHL	Recorded Texas Historic Landmarks
SAL	State Antiquities Landmarks
SEL	Sound exposure level
SEMS	Superfund Enterprise Management System
SPF	Safety performance function
SHPO	State Historic Preservation Office
SL	State Loop
SO <sub>2</sub>	Sulfur dioxide
STB	Surface Transportation Board
STC	Sound Transmission Class
SV	Single vehicle
SWPPP	Stormwater Pollution Prevention Plan
TDC	Texas Demographic Center

THC	Texas Historical Commission
THPOs	Tribal Historic Preservation Offices
TI	Tillable irrigated land
TNM	Traffic Noise Model
TMC	Turning movement counts
TCEQ	Texas Commission on Environmental Quality
TPDES	Texas Pollutant Discharge Elimination System
TPWD	Texas Parks and Wildlife Department
TxDOT	Texas Department of Transportation
TXNDD	Texas Natural Diversity Database
US	United States
USC	United States Code
UP	Union Pacific Railroad
USACE	U.S. Army Corps of Engineers
USCB	U.S. Census Bureau
USCG	U.S. Coast Guard
USDA	U.S. Department of Agriculture
USDOT	U.S. Department of Transportation
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UST	Underground storage tank
VdB	Vibration decibels
VMT	Vehicle miles traveled
VOC	Volatile organic compounds

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## N.3 List of Preparers

### N.3.1 Surface Transportation Board, Office of Environmental Analysis

Danielle Gosselin	Director
Andrea Poole, PMP	Project Manager / Environmental Protection Specialist
Alan Tabachnick	Historic Preservation Specialist
Karen Stevens	Environmental Protection Specialist

### N.3.2 Contractors

VHB supported the Surface Transportation Board’s Office of Environmental Analysis in the performance of its environmental analyses and preparation of this Draft Environmental Impact Statement.

Name, Project Role	Qualifications
<b>VHB Project Management</b>	
Alan Summerville, Project Director	M.A. City Planning, B.A. Economics and Political Science; 30 + years of experience participating in and managing the preparation of National Environmental Policy Act (NEPA) reviews, including 25 years on STB projects.
Laurent Cartayrade, PhD, Project Manager	PhD. History; 25 years of experience conducting and managing NEPA reviews.
Caitlin Pendergast, PE, Project Coordinator	B.S. Civil Engineering; 6 years of experience designing and managing various civil engineering projects.
<b>VHB Project Staff</b>	
Samatha Arnold, PE, Grade Crossing Safety and Delay, Roadway Safety	M.S. Civil Engineering; B.S. Civil Engineering; 11 years engineering experience, including 3 years dedicated to transportation safety.
Mark Arnoldy, PE, Air Quality	B.S. Civil Engineering; 10 years of experience in air quality assessments.

Name, Project Role	Qualifications
Brendan August, PLA, Renderings	B.A. Landscape Architecture; 10 years of experience in design and visualization.
Joe Beeton, Editing	M.S. Real Estate and Urban Land Development, B.A. English; 11 years of research and editing experience.
Connor Burke, Land Use	M.A. Urban and Environmental Planning, B.A. Foreign Affairs; 2 years of professional urban planning experience.
Paul Carbone, PE, Freight Rail Safety	B.S. Civil Engineering; 15 years of railroad engineering, rail operations planning and NEPA experience.
David Coate, Independent Consultant, Noise and Vibration Advisor	M.S. Energy Technology, B.A. Mathematics, Physics and Chemistry; 35+ years of experience in acoustics, rail noise, and vibration, support for NEPA reviews, including 25 years on STB projects.
Jenn Conley, PE, PTOE, Roadway Capacity	B.S. Civil Engineering, 30+ years of traffic engineering and transportation planning experience.
Paige Cochrane, Hazardous Materials Waste Sites	B.S. Environmental Science; 11 years of experience in environmental due diligence and hazardous waste assessments.
Michael Cristiani, Roadway Capacity	B.S. Civil and Environmental Engineering; 6 years of experience in traffic and transportation engineering.
Chris Crow, Biological Resources, Biological Assessment	M.S., Fisheries Science, B.S., Zoology; 37 years of experience as aquatic ecologist.
Lee Dwyer, Socioeconomics	M.A. City Planning, B.A. Urban Studies; 11 years of experience in urban planning, economic development, data analysis, and research.
Frank Gross, PhD, PE, Grade Crossing Safety and Delay	PhD Civil Engineering, M.S. Civil Engineering, B.S. Civil Engineering; 23 years of experience in transportation engineering and safety.

Name, Project Role	Qualifications
John Hansel, NEPA Strategist, Compliance Reviewer	J.D. and B.A. Economics; 40 + years of experience participating in NEPA reviews and delivering NEPA training.
Scott Himes, PhD, PE, Roadway Safety	Ph.D. Civil Engineering, M.S. Civil Engineering, B.S. Civil Engineering; 18 years of transportation engineering and safety experience.
Ian Leidner, Document Development	M.A. Urban Planning, B.A. Urban Studies; 11 years of professional transportation/urban planning experience.
Matt Lyon, Archaeology	M.A., RPA - M.A. Anthropology, B.A. Anthropology; 15 years of experience identifying, recording, evaluating, and assessing cultural and archaeological resources.
Ryan McAlister, PLA, MPA, Visual Quality	B.S. Landscape Architecture (Minor, Geographic Information Systems); 19 years of land development experience.
Christina McGovern, Topography, Soils, and Hazardous Waste Sites, Navigation, Energy	B.S. Environmental Engineering; 4 years of experience in environmental engineering and NEPA policy.
Sam Nadeau, Air Quality	B.S. Environmental Engineering; 2 years of experience in air quality assessments.
Andrew Pappas, RPA, Cultural Resources	M.A. Classical Archaeology, B.A. Anthropology; 21 years of experience identifying, recording, evaluating, and assessing cultural and archaeological resources.
Stephanie Pelletier, GISP, Geographic Information Systems	B.S. Environmental Sciences and Geography; 11 years of professional experience in Geographic Information Systems.
Heidi Richards, PE, Air Quality	B.S. Civil Engineering; 28 years of experience working on air quality assessments for state and federal agencies, including for NEPA reviews.
Ian Smith, PE, Water Resources	M.B.A., B.S. Civil Engineering; 30 years of experience in water resource mapping, design and permitting.

<b>Name, Project Role</b>	<b>Qualifications</b>
Eben Sweetser, Freight Rail Safety	B.S. Transportation; 9 years of experience in railroad operations, safety, emergency response, and emergency management.
Ricky Yates, Historic Resources	M.A. Heritage Preservation, B.A. History; 3 years of experience in Cultural Resource Management in the transportation and energy sectors.