

This FEIS includes information on changes in the project, impacts, technical analysis and mitigation that has been updated since the DEIS was circulated in 1999. All changes and new information are shaded in gray.

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VOLUME I

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ACRONYMS AND ABBREVIATIONS

The following acronyms and abbreviations are used throughout this document:

AADT	Average Annual Daily Traffic
AASHTO	American Association of State Highway and Transportation Officials
AC	Route 82/85/11 MIS/EIS Advisory Committee
ac.	Acres
ACOE	Army Corps of Engineers
ADT	Average Daily Traffic
ATR	Automatic Traffic Recorder
BA	Biological Assessment
BGEPA	Bald and Golden Eagle Protection Act
BMP(s)	Benthic Macroinvertebrate
BMI	Best Management Practice(s)
BTU(s)	British Thermal Units
c.	Circa
CAA(A)	Clean Air Act (Amendments)
CAM	Coastal Area Management
CAS	Connecticut Archaeological Survey
CEF	Construction Energy Factor
CEPA	Connecticut Environmental Policy Act
CEQ	Council on Environmental Quality
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
CGS	Connecticut General Statutes
CHC	Connecticut Historical Commission
CO	Carbon monoxide
ConnDOT	State of Connecticut Department of Transportation
CTDECD	State of Connecticut Department of Economic Development
CTDOA	State of Connecticut Department of Agriculture
CWA	Clean Water Act (see FWPCA)
dBA	Decibel

DEIS	Draft Environmental Impact Statement
DEP	State of Connecticut Department of Environmental Protection
DOHS	see DPH
DPH	State of Connecticut Department of Public Health (formerly Department of Health Services (DOHS))
EAS	Emergency Alert System
EIS	Environmental Impact Statement
EPA	Environmental Protection Agency (Region I)
EPT	Ephemeroptera, Plecoptera and Trichoptera
ESA	Endangered Species Act
EPZ	Emergency Planning Zone
FEIS	Final Environmental Impact Statement
FIRM	Flood Insurance Rate Map
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
ft.	Feet
FTA	Federal Transit Administration
FWPCA	Federal Water Pollution Control Act (aka Clean Water Act)
FWS	United States Fish and Wildlife Service
FY	Fiscal year
GAC	Greenway Authority Commission
GIS	Geographic Information System
GPS	Global Positioning System
ha.	Hectares
HC	Hydrocarbons
in.	Inch
IRIS	EPA Integrated Risk Information System
ISTEA	Intermodal Surface Transportation Efficiency Act
IWWA	Inland Wetlands and Watercourses Act
km.	Kilometers
kph.	Kilometers per hour
LEDPA	Least Environmentally Damageing Practicable Alternative
Leq.	Level Equivalent Steady State Sound
LOS	Level of Service
LUST	Leaking Underground Storage Tank
LWCFA	Land and Water Conservation Funding Act
m.	Meters
MBR	Metal Beam Rail
MBTA	Migratory Bird Treaty Act
MPT	Maintenance and Protection of Traffic
MCL	Maximum Contaminant Level
mgd	Million gallons per day
mg/l	Milligrams per liter
mi.	Miles
MIS	Major Investment Study
MOA	Memorandum of Agreement
mph.	Miles per hour
MPO	Metropolitan Planning Organization
MSAT	Mobile Source Air Toxics

MTBE	Methyl tertiary butyl ether
NAAQS	National Ambient Air Quality Standards
NAC	Noise Abatement Criteria
NAMS	National Air Monitoring System
NDDB	Natural Diversity Data Base
NEDMTC	New England DataMap Technology Corporation
NEPA	National Environmental Policy Act
NGVD	National Geodetic Vertical Datum
NHPA	National Historic Preservation Act
NHS	National Highway System
NLLMA	New London Labor Market Area
NO _x	Nitrogen oxide compounds
NPDES	National Pollution Discharge Elimination System
NPL	National Priority List
NRCS	Natural Resources Conservation Service (formerly Soil Conservation Service (SCS))
NRHP	National Register of Historic Places
NTNCPWS	Non-transient, non-community public water system
NURP	Nationwide Urban Runoff Program
O ₃	Ozone
O-D	Origin - Destination
OLISP	DEP Office of Long Island Sound Programs
OPM	State of Connecticut Office of Policy and Management
OSHA	Occupational Health and Safety Act/Administration
PA	Public Act
PCBC	Precast concrete barrier curbing (aka “Jersey” barrier)
PD	Preliminary Design
PEM	Palustrine Emergent Wetland
PFO	Palustrine Forested Wetland
PM	Particulate Matter
POW	Palustrine Open Water Wetland
ppb	Parts per billion
PSGNLU	PSG New London Utilities (formerly New London Water and Water Pollution Control Authority (WWPCA))
PSS	Palustrine Scrub-Shrub Wetland
RCL	Recommended Contaminant Level
RCRA	Resource Conservation and Recovery Act
REMI	Regional Economic Models, Inc.
RIV	Riverine Wetland
RMP	Remedial Management Plan
ROD	Record of Decision
RSR	Remediation Standard Regulations
SCCOG	Southeastern Connecticut Council of Governments
SCS	Soil Conservation Service (see NRCS)
SDWA	Safe Drinking Water Act
SEAT	Southeast Area Transit
SECTER	Southeastern Connecticut Enterprise Region
sf.	Square feet
SHPO	State Historic Preservation Officer

SIP	State Implementation Plan
SLAMS	State and Local Air Monitoring System
SLOSSS	Suggested List of Surveillance Study Sites
sq. mi.	Square mile
STIP	State Transportation Improvement Plan
TAZ	Transportation Analysis Zone
TCMs	Transportation Control Measures
TDM	Transportation Demand Management
TIP	Transportation Improvement Plan
TSM	Transportation Systems Management
TSP	Total Suspended Particulates
TSS	Total suspended solids
USC	United States Code
USDOT	U.S. Department of Transportation
USGS	United States Geological Survey
UST	Underground Storage Tank
V/C	Volume to Capacity Ratio
VHT	Vehicle Hours Traveled
VMT	Vehicle Miles Traveled
VOC	Volatile organic compounds
WHPA	Wellhead Protection Area
WWPCA	see PSGNLU
§404	Section 404 of the Clean Water Act

METRIC EQUIVALENTS

METRIC LENGTHS AND U.S. EQUIVALENTS

1 millimeter (mm)		=	0.0394 in.
10 millimeters	=	1 centimeter (dm)	= 0.3937 in.
10 centimeters	=	1 decimeter (dm)	= 3.937 in.
10 decimeters	=	1 meter (m)	= 3.28 ft.
10 meters	=	1 dekameter	= 10.9361 yd.
100 meters	=	1 hectometer	= 109.3611 yd.
1000 meters	=	1 kilometer (km)	= 0.6214 mi.
1 inch	=	2.54 centimeters	
1 foot	=	0.3048 meters	
1 yard	=	0.9144 meters	
1 mile	=	1.6093 kilometers	

METRIC VOLUMES AND U.S. EQUIVALENTS

1000 cu. centimeters	=	1.0 cu. decimeter	
1000 cu. decimeter	=	1.0 cu. meter (stere)	= 1.3097 cu. yds. or = 35.314 cu. ft.
1 cu. foot	=	0.0283 cu. meters	
1 cu. yard	=	0.7646 cu. meters	

METRIC AREAS AND U.S. EQUIVALENTS

100 sq. centimeters	=	1 sq. decimeter	= 15.5 sq. in.
100 sq. decimeters	=	1 sq. meter (centare)	= 1.196 sq. yds.
100 sq. meters	=	1 are	= 119.6 sq. yds.
10,000 sq. meters	=	1 hectare (ha)	= 2.471 acres
100 hectares	=	1 sq. kilometer	= 0.3861 sq. mi.

1 sq. inch	=	6.4517 sq. centimeters	
1 sq. foot	=	9.2900 sq. decimeters	
1 acre	=	0.4047 hectares	
1 sq. mile	=	2.59 sq. kilometers	= 259.0 hectares