

Draft

City of Suisun City Highway 12 Logistics Center Environmental Impact Report



Prepared for:



City of Suisun City

AECOM

August 2023

Draft

City of Suisun City Highway 12 Logistics Center Environmental Impact Report



Prepared for:

City of Suisun City
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ACRONYMS AND OTHER ABBREVIATIONS

µg/L	micrograms per liter
µg/m ³	micrograms per cubic meter
A-40	Agriculture 40 Acres
AAQS	ambient air quality standards
AB	Assembly Bill
ABAG	Association of Bay Area Governments
ACHP	Advisory Council on Historic Preservation
ADT	average daily traffic
AEI	AEI Consultants
AEP	annual exceedance probability
AFB	Air Force Base
afy	acre-feet per year
Alquist-Priolo Act	Alquist-Priolo Earthquake Fault Zoning Act
ALUC	Airport Land Use Commission
ALUCP	Airport Land Use Compatibility Plan
APN	Assessor's Parcel Number
AQMP	Air Quality Management Plan
ARB	California Air Resources Board
ATCM	Airborne Toxic Control Measure
B.P.	Before Present
BAAQMD	Bay Area Air Quality Management District
BART	Bay Area Rapid Transit
BASH	Bird/Wildlife Aircraft Strike Hazard
Basin ID 2-003	Suisun-Fairfield Valley Groundwater Basin
Basin Plan	Water Quality Control Plan for the San Francisco Bay Basin
BASMAA	Bay Area Stormwater Management Agencies Association
Bay Area Clean Air Plan	Bay Area Clean Air Plan: Spare the Air, Cool the Climate
Bay-Delta	Sacramento–San Joaquin Delta
BCDC	Bay Conservation and Development Commission
bhp	brake horsepower
BMPs	best management practices
BP	Before Present
CAAQS	California Ambient Air Quality Standards
CAAQS	California ambient air quality standards
CAL FIRE	California Department of Forestry and Fire Protection
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CALGreen	California Green Building Standards
CALGreen Code	California Green Building Standards Code
California NRCS	California Natural Resources Conservation Services
CalOSHA	California Occupational Safety and Health Administration

CalRecycle	California Integrated Waste Management Board
Caltrans	California Department of Transportation
Caltrans Construction NPDES Permit	SWRCB's Statewide NPDES Permit CAS000003, SWRCB Order 2012-0011-DWQ as amended in 2017
CASGEM	California Statewide Groundwater Elevation Monitoring
CASQA	California Stormwater Quality Association
CBC	California Building Standards Code
CC&Rs	Covenants, Conditions & Restrictions
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFC	California Fire Code
CFNR	California Northern Railroad
CFR	Code of Federal Regulations
CFS	Commercial Services & Fabricating
CGS	California Geological Survey
CHABA	Committee of Hearing, Bio Acoustics, and Bio Mechanics
CHRIS	California Historic Resources Inventory System
City	City of Suisun City
CLOMR	Conditional Letters of Map Revision
CNEL	Community Noise Equivalent Level
CO	carbon monoxide
COCs	chemicals of concern
Construction General Permit	SWRCB General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities [Order WQ 2022-0057-DWQ]
CPRR	California Pacific Railroad
CRHR	California Register of Historical Resources
CS	Service Commercial
CSF	Commercial Services and Fabricating
CUPA	Certified Unified Program Agency
CWA	Clean Water Act
dB	decibels
dBA	A-weighted decibels
dBA/DD	A-weighted decibels per doubling of distance
DCA	1,1-dichloroethane
DCE	1,1-dichloroethene
Design Guidebook	Green Stormwater Infrastructure Design Guidebook
DOC	Department of Conservation
DPM	diesel particulate matter
DPR	California Department of Pesticide Regulation
DPR	Department of Parks and Recreation
Drainage Plan	Draft Drainage Master Plan

DTSC	California Department of Toxic Substances Control
DWR	California Department of Water Resources
E. coli	fecal bacterial contamination
EIR	Environmental Impact Report
EPA	U.S. Environmental Protection Agency
ESA	Environmental Site Assessment
ESLs	Environmental Screening Levels
EV	electric vehicle
EZRI	Earthquake Zones of Required Investigation
FAR	Federal Aviation Regulations
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FHWA-RD-77-108	Federal Highway Administration Highway Traffic Noise Prediction Model
FIRMs	Flood Insurance Rate Maps
FP	floodplain
FPD	Suisun Fire Protection District
FSSD	Fairfield-Suisun Sewer District
FSURMP	Fairfield-Suisun Urban Runoff Management Program
FTA	Federal Transit Administration
g	peak ground acceleration
GHGs	Greenhouse gases
gpm	gallons per minute
GSAs	groundwater sustainability agencies
GSI Plan	Green Stormwater Infrastructure Plan
HARP2	Hot Spots Analysis and Reporting Program
HASP	Health and Safety Plan
HI	hazard index
HMBP	Hazardous Materials Business Plan
HMTA	Hazardous Materials Transportation Act
HRA	health risk assessment
HUC	Hydrologic Unit Code
HUD	U.S. Department of Housing and Urban Development
HVAC	heating, ventilation and air conditioning
Hz	hertz
IBP	Industrial Business Park
IGRA	Indian Gaming Regulatory Act
in/sec	inches per second
LAFCO	Local Agency Formation Commission
LDL	Larson Davis Laboratories
L _{dn}	Day-Night Noise Level
LEAs	local enforcement agencies
LED	light emitting diode

L _{eq}	Equivalent Noise Level
LID	Low impact development
L _{max}	Maximum Noise Level
L _{min}	Minimum Noise Level
LODES	Longitudinal Employer-Household Dynamics Origin-Destination Employment Statistics
LOMR	Letters of Map Revision
LRAs	local responsibility areas
MCLs	Maximum Contaminant Levels
mgd	million gallons per day
MMRP	mitigation monitoring and reporting program
MRZ	mineral resource zone
MS4 Permit	Municipal Regional Stormwater NPDES Permit
MTC	Metropolitan Transportation Commission
MUN	Municipal and Domestic Supply
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NEHRP	National Earthquake Hazards Reduction Program
NEHRPA	National Earthquake Hazards Reduction Program Act
NFIP	National Flood Insurance Program
NHPA	National Historic Preservation Act
NHTSA	National Highway Traffic Safety Agency
NO ₂	nitrogen dioxide
NOP	Notice of Preparation
NO _x	oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service formerly U.S. Soil Conservation Service
NRHP	National Register of Historic Places
NWIC	Northwest Information Center
O ³	Ozone
OEHHA	Office of Environmental Health Hazard Assessment
OES	Office of Emergency Services
OS	Open Space
Pb	lead
PCBs	polychlorinated biphenyls
PCE	tetrachloroethene
PG&E	Pacific Gas & Electric Company
PHMSA	Pipeline and Hazardous Materials Safety Administration
PM ₁₀	particulate matter equal to and less than 10 microns in diameter
PM _{2.5}	particulate matter equal to and less than 2.5 microns in diameter
Porter-Cologne Act	Porter-Cologne Water Quality Control Act
PPA	Priority Production Area

ppd	pounds per day
PPDG	Project Planning and Design Guide
PPV	peak particle velocity
proposed Project	Highway 12 Logistics Center Project
PUD	Planned Unit Development
PVC	polyvinyl chloride
RCRA	Resource Conservation and Recovery Act of 1976
RMS	root mean square
ROG	Reactive organic gases
RWD	Reports of Waste Discharge
RWQCB	Regional Water Quality Control Board
SAFE	Safer Affordable Fuel Efficient
SARA	Superfund Amendments and Reauthorization Act
SB	Senate Bill
SCAQMD	South Coast Air Quality Management District
SCPD	Suisun City Police Department
SEL	sound exposure level
SENL	Single-Event [Impulsive] Noise Level
SFBAAB	San Francisco Bay Area Air Basin
SFPD	Suisun Fire Protection District
SGMA	Sustainable Groundwater Management Act
SID	Solano Irrigation District
Small MS4s	Small Municipal Separate Storm Sewer Systems
SNR	Sacramento Northern Railway
SO ₂	sulfur dioxide
SOI	Sphere of Influence
SO _x	oxides of sulfur
SPRR	Southern Pacific Railroad
SR	State Route
SR 12	State Route 12
SRA	state responsibility areas
SS	Stationary Source
SSWA	Suisun-Solano Water Authority
Suisun City	City of Suisun City
SWIS	Solid Waste Information System
SWPPP	stormwater pollution prevention plan
SWRCB	State Water Resources Control Board
TACs	toxic air contaminants
TCRs	Tribal Cultural Resources
TDS	Total Dissolved Solids
TMDLs	Total Maximum Daily Loads
tpd	tons per day
TPH-d	total petroleum hydrocarbons as diesel

TPH-o	total petroleum hydrocarbons as oil
TRU	transportation refrigeration unit
U.S. EPA	United States Environmental Protection Agency
UCMP	University of California Museum of Paleontology
UPRR	Union Pacific Railroad
USFS	U.S. Forest Service
USTs	underground storage tanks
UWMP	Urban Water Management Plan
VdB	vibration decibels
VMT	vehicle miles traveled
VOC	volatile organic compound
WDRs	waste discharge requirements
WHA	wildlife hazard analysis
WPCP	Water Pollution Control Program
WWTP	Wastewater Treatment Plant
µin/sec	microinch per second

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