

Valley Link Rail Project

Draft Subsequent Environmental Impact Report

SCH# 2018092027

City of Dublin, City of Pleasanton, City of Livermore, Alameda County, California
Mountain House, San Joaquin County, California



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Acronyms

AB	Assembly Bill
ABAG	Association of Bay Area Governments
AC	Alternating current
ACE	Altamont Corridor Express
ACFCD	Alameda County Flood Control and Water Conservation District
ACFD	Alameda County Fire Department
ACHP	Advisory Council on Historic Preservation
ACM	Asbestos-containing material
ACMC	County of Alameda Municipal Code
ACSO	Alameda County Sheriff's Office
ADA	Americans with Disabilities Act
ADU	Additional dwelling unit
AERMOD	EPA's regulatory dispersion model
AIA	Airport Influence Area
ALUCP	Airport Land Use Compatibility Plan
ASR	Archaeological Survey Report
ATCM	Airborne Toxic Control Measure
A/UR	Agriculture-Urban Reserve
Authority	Tri-Valley – San Joaquin Valley Regional Rail Authority
AVI	Amador Valley Industries
BAAQMD	Bay Area Air Quality Management District
BART	Bay Area Rapid Transit
BCC	Backup Control Center
BCE	Before Current Era
BEMU	Battery-Electric Multiple Unit
BGEPA	Bald and Golden Eagle Protection Act
bgs	Below ground surface
BMP	Best management practice
BO	Biological opinion
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CAFE	Corporate Average Fuel Economy
cal	Calibrated years
CalARP	California Accidental Release Prevention Program
CalEPA	California Environmental Protection Agency
CAL FIRE	California Department of Forestry and Fire Protection



CalGreen	California Green Building Standards
Cal/OSHA	California Division of Occupational Safety and Health
CalRecycle	California Department of Resources Recycling and Recovery
Caltrans	California Department of Transportation
CARB	California Air Resources Board
CARI	California Aquatic Resource Inventory
CASGEM	California Statewide Groundwater Elevation Monitoring
CBC	California Building Code
CCIC	Central Coast Information Center
CCR	California Code of Regulations
CCWD	Contra Costa Water District
CDFW	California Department of Fish and Wildlife
CEC	California Energy Commission
CESA	California Endangered Species Act
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CGP	Construction General Permit
CGS	California Geologic Survey
CH ₄	Methane
CHP	California Highway Patrol
CHSC	California Health and Safety Code
CLOMR	Conditional Letter of Map Revision
CNDDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level
CNG	Compressed natural gas
CNPS	California Native Plant Society
CNRA	California Natural Resources Agency
CO	Carbon monoxide
CPUC	California Public Utilities Commission
CRHR	California Register of Historical Resources
CRMP	Construction risk management plan
CUPA	Certified Unified Program Agency
CVP	Central Valley Project
CVFPB	Central Valley Flood Protection Board
CVFPP	Central Valley Flood Protection Plan
CWA	Clean Water Act
CWC	California Water Code
dB	Decibel
dBA	A-weighted decibel



DHS	Department of Health Services
DLH	Diesel Locomotive Haul
DMU	Diesel Multiple Unit
DPM	Diesel particulate matter
DOC	Department of Conservation
DPS	Dublin Police Services
DSRSD	Dublin San Ramon Services District
DTSC	Department of Toxic Substances Control
DWR	California Department of Water Resources
EACCS	East Alameda County Conservation Strategy
EB	Eastbound
EBCE	East Bay Community Energy
EB RCIS	East Bay Regional Conservation Investment Strategy
EBRPD	East Bay Regional Park District
EIR	Environmental Impact Report
EMF	Electromagnetic field
EO	Executive Order
EOC	Emergency Operations Center
EOP	Emergency Operations Plan
EPA	Environmental Protection Agency
ESA	Endangered Species Act
ETS	Electronic toll system
FAA	Federal Aviation Administration
FEMA	Federal Emergency Management Agency
FIRMS	Flood Insurance Rate Maps
FMMP	Farmland Mapping and Monitoring Program
FRA	Federal Railroad Administration
FSZ	Farmland Security Zone
FTA	Federal Transit Administration
GAMAQI	<i>Guide for Assessing and Mitigating Air Quality Impacts</i>
GHG	Greenhouse gas
GO	General Order
GSA	Groundwater Sustainability Agencies
GSP	Groundwater Sustainability Plan
GWP	Global warming potential
HARP2	Hot Spots Analysis and Reporting Program
HBMU	Hybrid Battery Multiple Unit
HCP	Habitat Conservation Plan
HI	Hazard index



HOV	High Occupancy Vehicle
HRA	Health risk assessment
HRER	Historical Resources Evaluation Report
HWCL	Hazardous Waste Control Law
I-	Interstate
ICS	Incident Command Systems
IGP	Industrial General NPDES Permit
IOS	Initial operating segments
IPCC	Intergovernmental Panel on Climate Change
ITP	Incidental Take Permit
km	Kilometers
K-rail	Temporary concrete railing
LAMP	Local Agency Management Program
LAVTA	Livermore Amador Valley Transit Authority
LAVWMA	Livermore Amador Valley Water Management Agency
LCFS	Low-carbon fuel standard
L_{dn}	Day/night noise level
L_{eq}	Equivalent sound pressure level
LF	Layover Facility
LHMP	Local Hazard Mitigation Plan
LID	Low-impact Development
L_{max}	Typical maximum A-weighted sound pressure level
LOMR	Letter of Map Revision
LOS	Level of Service
LNG	Liquified Natural Gas
LPD	Livermore Police Department
LPG	Liquified Petroleum Gas
LQG	Large Quantity Generator
LT	Long-term (measurement)
LUST	Leaking Underground Storage Tank
MBTA	Migratory Bird Treaty Act
MEI	Maximum exposed individual
mgd	million gallons per day
MHCSD	Mountain House Community Services District
MM Btu	Million British thermal units
MMI	Modified Mercalli Intensity
MMT	Million metric tons
MPO	Metropolitan planning organization
MOW	Maintenance of Way



MRP	Municipal Regional Permit
MRZ	Mineral Resource Zone
MS4	Municipal Separate Storm Sewer Systems
MSF	Maintenance Service Facility
MT	Metric tons
MTC	Metropolitan Transportation Commission
MUTCD	Manual on Uniform Traffic Control Devices
Mw	Moment Magnitude
MW	Megawatt
MWEL0	Model water efficient landscape ordinance
NAAQS	National Ambient Air Quality Standards
NAGPRA	Native American Graves Protection and Repatriation Act
NAHC	Native American Heritage Commission
NEHRPA	National Earthquake Hazards Reduction Program Act
NEPA	National Environmental Policy Act
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NHPA	National Historic Preservation Act
NHTSA	National Highway Traffic Safety Administration
NIMS	National Incident Management System
NMFS	National Marine Fisheries Service
N ₂ O	Nitrous oxide
NO	Nitric oxide
NO ₂	Nitrogen dioxide
NOP	Notice of Preparation
NO _x	Nitrogen oxide
NPDES	National Pollutant Discharge Elimination System
NPS	National Park Service
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NSR	New Source Review
NWIC	Northwest Information Center
OEHHA	Office of Environmental Health Hazard Assessment
OES	Office of Emergency Services
OHP	Office of Historic Preservation
OHWM	ordinary high-water mark
OMF	Operations and Maintenance Facility
OSHA	Occupational Safety and Health Administration
OSS	Operations Support Site
OWTS	On-site wastewater treatment system



Pb	Lead
PCA	Project construction area
PCB	Polychlorinated biphenyls
PG&E	Pacific Gas and Electric Company
PGS	Pleasanton Garbage Service
PM	Post mile
PM _{2.5}	Particulate matter of 2.5 microns in diameter and smaller
PM ₁₀	Particulate matter of 10 microns in diameter and smaller
ppb	Parts per billion
PPDG	<i>Project Planning and Design Guide</i>
PPS	Pleasanton Police Services
PPV	Peak Particle Velocity
PRC	Public Resources Code
Proposed Project	Valley Link Rail Project
PUD	Planned Use Development
PV	Photovoltaic
RCRA	Resources Conservation and Recovery Act
RMP	Risk Management Plan
RMS	Root-mean-square
ROG	Reactive organic gas
ROW	Right-of-way
RPS	Renewables Portfolio Standard
RSP	Rock slope protection
RTD	Regional Transit District
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board
SARA	Superfund Amendments and Reauthorization Act
S.B.	Senate Bill
SCS	Sustainable Communities Strategy
SDWA	Safe Drinking Water Act
SEIR	Subsequent Environmental Impact Report
SEMS	Standardized Emergency Management System
sf	Square foot
SFBAAB	San Francisco Bay Area Air Basin
SFHA	Special flood hazard areas
SGMA	Sustainable Groundwater Management Act
SHPO	State Historic Preservation Officer
SIP	State Implementation Plan
SJCOG	San Joaquin Council of Governments



SJEHD	San Joaquin County Environmental Health Department
SJMSCP	San Joaquin County Multi-Species Habitat Conservation and Open Space Plan
SJRRC	San Joaquin Regional Rail Commission
SJVAB	San Joaquin Valley Air Basin
SJVAPCD	San Joaquin Valley Air Pollution Control District
SLF	Sacred Lands File
SLIC	Spills, Leaks, Investigations, and Clean-ups
SMARA	Surface Mining and Reclamation Act
SPRR	Southern Pacific Railroad
SO ₂	Sulfur dioxide
SOI	Secretary of the Interior
SO _x	Sulfur oxide
SQG	Small Quantity Generator
SR	State Route
SSJID	South San Joaquin Irrigation District
ST	Short-term (measurement)
STIP	State Transportation Improvement Program
SUSMP	Standard Urban Stormwater Mitigation Plan
SVP	Society of Vertebrate Paleontology
SWF/LS	Solid Waste Facilities/Landfill Sites
SWPPP	Stormwater pollution prevention plan
SWRCB	State Water Resources Control Board
SZ	Scientific Resource Zone
TAC	Toxic air contaminants
THSP	Tracy Hills Specific Plan
TMDL	Total Maximum Daily Load
TMP	Transportation Management Plan
TOC	Transit-oriented Communities
TOD	Transit-oriented Development
TPD	Tracy Police Department
TSCA	Toxic Substances Control Act
UGB	Urban Growth Boundary
UPRR	Union Pacific Railroad
USA North	Underground Service Alert North
USACE	U. S. Army Corp of Engineers
USBR	U.S. Bureau of Reclamation
USC	U.S. Code
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
UWMP	Urban water management plan
VdB	Vibration velocity
VIA	Visual Impact Assessment
VMT	Vehicle miles traveled
VOC	Volatile organic compound
WDR	Waste Discharge Requirements
Williams Act	California Land Conservation Act
Working Group	Altamont Regional Rail Working Group
WSA	Water Supply Assessment
WQO	Water Quality Objective
ZEMU	Zero-emission multiple unit vehicle
$\mu\text{g}/\text{m}^3$	Micrograms per cubic meter