

Airport Metro Connector 96th Street Transit Station

Draft Environmental Impact Report

State Clearinghouse No. 2015021009



Airport Metro Connector 96th Street Transit Station

Draft Environmental Impact Report

June 2016



In Association with:

Cityworks Design
Coast Surveying
D'Leon Consulting Engineers
Diaz Yourman & Associates
Epic Land Solutions
Fehr & Peers
The Greenridge Group, Inc

Hatch Mott MacDonald
Lea+Elliott, Inc.
Leighton
Ted Tokio Tanaka Architects
Terry A. Hayes & Associates
VCA Engineering

TABLE OF CONTENTS

Executive Summary	S-1
1. Introduction	1-1
1.1. Purpose of this Draft Environmental Impact Report.....	1-1
1.2. Environmental Review Process.....	1-2
1.3. EIR Organization.....	1-3
2. Project Description	2-1
2.1. Location and Surrounding Uses.....	2-1
2.2. Project History.....	2-3
2.3. Proposed Project.....	2-9
2.3.1. Proposed Project Objectives.....	2-9
2.3.2. Proposed Project Components.....	2-9
2.4. Construction Schedule and Phasing.....	2-19
2.5. Discretionary Actions and Approvals.....	2-20
3. Environmental Impacts	3-1
3.1. Air Quality.....	3.1-1
3.2. Greenhouse Gas Emissions.....	3.2-1
3.3. Hazards and Hazardous Materials.....	3.3-1
3.4. Land Use and Planning.....	3.4-1
3.5. Noise and Vibration.....	3.5-1
3.6. Transportation and Traffic.....	3.6-1
4. Other CEQA Considerations	4-1
4.1. Significant and Unavoidable Impacts.....	4-1
4.2. Long-Term Effects and Irreversible Environmental Changes.....	4-1
4.3. Growth-Inducing Impacts.....	4-3
4.4. Effects Determined Not to Be Significant.....	4-3
4.4.1. Aesthetics.....	4-4
4.4.2. Agricultural and Forestry Resources.....	4-6
4.4.3. Biological Resources.....	4-7
4.4.4. Cultural Resources.....	4-9
4.4.5. Geology and Soils.....	4-12
4.4.6. Hydrology and Water Quality.....	4-15
4.4.7. Mineral Resources.....	4-18
4.4.8. Population and Housing.....	4-18
4.4.9. Public Services.....	4-19
4.4.10. Recreation.....	4-21
4.4.11. Utilities and Service Systems.....	4-22
4.4.12. Energy Resources.....	4-26

5. Cumulative Impacts	5-1
5.1. Air Quality	5-11
5.2. Greenhouse Gas Emissions.....	5-13
5.3. Hazards and Hazardous Materials	5-13
5.4. Land Use and Planning.....	5-17
5.5. Noise and Vibration	5-18
5.6. Transportation and Traffic	5-20
6. Alternatives.....	6-1
6.1. Avoidance Alternatives.....	6-1
6.1.1 Project Impacts	6-1
6.1.2 Alternative Project Sites Considered	6-2
6.2. No Project Alternative	6-6
6.2.1. Air Quality.....	6-8
6.2.2. Greenhouse Gas Emissions.....	6-9
6.2.3. Hazards and Hazardous Materials	6-9
6.2.4. Land Use and Planning.....	6-10
6.2.5. Noise and Vibration	6-11
6.2.6. Transportation and Traffic	6-12
6.3. Environmentally Superior Alternative.....	6-13
7. Lead Agency, Preparers and Sources Consulted.....	7-1
7.1. Lead Agency.....	7-1
7.2. List of Preparers	7-1
7.3. Agencies and Persons Consulted	7-3
7.4. Sources Consulted	7-3

FIGURES

2.1	Regional and Project Site Location.....	2-2
2.2	Geographic Area of Alternatives Considered During Planning.....	2-4
2.3	Crenshaw/LAX and AMC Project Timelines.....	2-6
2.4	Locally Preferred Alternative	2-8
2.5	Ground-Level Conceptual Site Plan.....	2-11
2.6	Mezzanine-Level Conceptual Site Plan	2-12
2.7	Conceptual Cross-Sections	2-13
2.8	Northwest View of the Project Site - Existing Conditions and Proposed Project .	2-14
2.9	Southwest View of the Project Site - Existing Conditions and Proposed Project .	2-15
2.10	Proposed Driveway Options	2-18
3.1.1	California Air Basins - South Coast Air Basin.....	3.1-8
3.1.2	Sensitive Receptor Locations.....	3.1-15
3.3.1	Project Site Assessor's Parcel Number	3.3-6
3.3.2	REC Sites for the Proposed Project	3.3-15
3.3.3	LAX Runway Protection Zones.....	3.3-24
3.4.1	Project Site Parcels.....	3.4-9
3.4.2	Existing Land Use Designations	3.4-11
3.4.3	Existing Zoning.....	3.4-12
3.4.4	Planned Local Bicycle Network	3.4-21
3.5.1	A-Weighted Decibel Scale	3.5-1
3.5.2	Typical Levels of Groundborne Vibration.....	3.5-4
3.5.3	Noise Impact Criteria for Transit Projects	3.5-5
3.5.4	LAX Noise Exposure Map	3.5-11
3.5.5	Noise Sensitive Receptors and Monitoring Locations	3.5-13
3.5.6	Noise Receivers and Sensitive Receptor Clusters.....	3.5-18
3.5.7	Ground Surface Vibration Curves.....	3.5-22
3.6.1	Stop Level Daily Boardings for Select Operators in Study Area.....	3.6-8
3.6.2	Study Intersections.....	3.6-9
3.6.3	Proposed Driveway Options	3.6-17
5.1	Cumulative Impact Study Area	5-3
5.2	Cumulative Conceptual Ground-Level Site Plan.....	5-6
5.3	Cumulative Conceptual Mezzanine-Level Site Plan.....	5-7
5.4	Cumulative Conceptual Cross-Sections	5-8
5.5	Cumulative Conceptual Views of the Project Site.....	5-9
6.1	Alternate Site Locations	6-4
6.2	Aviation/Century Station Layout.....	6-7

TABLES

2.1	Project Components	2-10
3.1.1	State and National Criteria Pollutant Ambient Air Quality Standards and Attainment Status for the South Coast Air Basin	3.1-5
3.1.2	City of Los Angeles General Plan Air Quality Goals, Objectives and Policies ...	3.1-12
3.1.3	Ambient Air Quality Data	3.1-14
3.1.4	Regional Emission Thresholds	3.1-16
3.1.5	Maximum Daily Construction Emissions	3.1-20
3.1.6	Operational Daily Vehicle Miles Traveled	3.1-22
3.1.7	Daily Operational Emissions - Future with Project Compared to Existing Conditions	3.1-23
3.1.8	Daily Operational Emissions - Future with Project Compared to Future Without Project Conditions	3.1-24
3.2.1	Global Warming Potential for Selected Greenhouse Gases	3.2-1
3.2.2	California Greenhouse Gas Emissions Inventory	3.2-11
3.2.3	Operational Daily Vehicle Miles Traveled	3.2-16
3.2.4	Annual Greenhouse Gas Emissions	3.2-17
3.2.5	Project Consistency with the Countywide Sustainability Planning Program	3.2-18
3.2.6	Project Consistency with the Climate Action and Adaptation Plan	3.2-21
3.3.1	Environmental Database Review – REC Sites	3.3-12
3.4.1	SCAG Compass Growth Vision Report Principles and Policies	3.4-3
3.4.2	SCAG RTP/SCS Guiding Policies and Goals	3.4-5
3.4.3	City of Los Angeles General Plan Framework Goals, Objectives and Policies	3.4-6
3.4.4	Westchester – Playa Del Rey Community Plan Relevant Goals, Objectives and Policies	3.4-7
3.4.5	Mobility Plan 2035 Relevant Goals and Policies	3.4-7
3.5.1	Noise Impact Criteria for Transit Operations	3.5-6
3.5.2	Groundborne Vibration and Groundborne Noise Impact Criteria for General Assessment	3.5-7
3.5.3	Groundborne Vibration and Groundborne Noise Impact Criteria for Special Buildings	3.5-8
3.5.4	Construction Vibration Damage Criteria	3.5-8
3.5.5	Calculated "Minimum Safe Distances" from Construction Equipment to Reduce Potential Vibration Damage	3.5-9
3.5.6	Land Use Categories and Metrics for Transit Noise Impact Criteria	3.5-12
3.5.7	Screening Distances for Noise Assessment	3.5-12
3.5.8	Existing Noise Levels	3.5-13
3.5.9	Screening Distances for Vibration Assessment	3.5-14
3.5.10	Maximum Noise Levels of Common Construction Machines	3.5-15
3.5.11	Outdoor Construction Noise Levels	3.5-16
3.5.12	Construction Noise Levels	3.5-17
3.5.13	Project Daytime/Nighttime Noise Levels and Impacts	3.5-19

TABLES (CONT.)

3.5.14	Typical Construction Equipment Vibration Levels.....	3.5-20
3.6.1	LAX-Area Transit Services	3.6-7
3.6.2	Existing Level of Service	3.6-11
3.6.3	City of Los Angeles Traffic Impact Criteria.....	3.6-13
3.6.4	Peak Hour Trip Generation for Proposed Project.....	3.6-16
3.6.5	Construction Trip Generation.....	3.6-18
3.6.6	Existing With Project Conditions	3.6-21
3.6.7	2035 Proposed Project Conditions	3.6-23
4.1	Solid Waste Facilities Serving the City of Los Angeles	4-25
4.2	Fuel and Combustion Energy from Construction Activities	4-27
4.3	Annual Energy Demand During Operations	4-29
5.1	Related Projects.....	5-3
5.2	Proposed Project Impacts.....	5-10
5.3	Cumulative Intersection Conditions.....	5-24
6.1	Alternative Site Feasibility	6-5
6.2	Comparison of the No Project Alternative to the Proposed Project	6-7
6.3	No Project Alternative Daytime/Nighttime Noise Levels and Impacts.....	6-11

APPENDICES

- Appendix A - Public Scoping Meeting Report
- Appendix B - Air Quality and Greenhouse Gas Calculations
- Appendix C - Environmental Site Assessments
- Appendix D - Noise and Vibration Calculations
- Appendix E - Transportation and Traffic Data

ABBREVIATIONS/ACRONYMS

°F	Degrees Fahrenheit
µm	Micrometer
AA	Alternatives Analysis
AB	Assembly Bill
ACM	Asbestos-Containing Materials
ADA	Americans with Disabilities
AGL	Above Ground Level
AMC	Airport Metro Connector
APE	Area of Potential Effects
APM	Automated People Mover
APN	Assessor's Parcel Number
APTA	American Public Transportation Association
AQMP	Air Quality Management Plan
ASTs	Aboveground Storage Tanks
BACT	Best Available Control Technology
Basin	South Coast Air Basin
BGS	Below Ground Surface
BMPs	Best Management Practices
BOS	Bureau of Sanitation
BTEX	Benzene, Toluene, Ethylene and Xylene
BTU	British Thermal Unit
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
Cal/EPA	California Environmental Protection Agency
CalEEMod	California Emission Estimator Model
CALGreen	Green Building Standards Code
Caltrans	California Department of Transportation
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CAT	Climate Action Team
CCAA	California Clean Air Act
CCAP	Community Climate Action Plan
CCAP	Community Climate Action Plan
CCR	California Code of Regulation
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERFA	Community Environmental Response Facilitation Act
CFR	Code of Federal Regulations
CH ₄	Methane
CMA	Critical Movement Analysis
CMP	Congestion Management Plan
CNEL	Community Noise Equivalent Level

CNG	Compressed Natural Gas
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
CONRAC	Consolidated Rent-A-Car Center
CPA	Community Plan Area
CPUC	California Public Utilities Commission
CSM	Conceptual Site Model
CTA	Central Terminal Area
CUPA	Certified Unified Program Agency
dB	Decibel
DCE	Dichloroethene
Diesel PM	Diesel Particulate Matter
DTSC	Department of Toxic Substances Control
ECMP	Energy Conservation and Management Plan
EIR	Environmental Impact Report
EO	Executive Order
EPCRA	Emergency Planning and Community Right-to-Know Act
ESA	Environmental Site Assessment
EZ	Enterprise Zone
FAA	Federal Aviation Administration
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
g/L	grams per liter
GHG	Greenhouse Gases
Gpd	Gallons per day
GreenLA	Green LA Action Plan
GWP	Global Warming Potential
HTP	Hyperion Treatment Plant
I-105	Interstate 105
I-405	Interstate 405
ICU	Intersection Capacity Utilization
IPCC	Intergovernmental Panel on Climate Change
IRIS	Integrated Risk Information System
ITF	Intermodal Transportation Facilities
ITS	Intelligent Transportation System
kWh	Kilowatt-Hours
LACTC	Los Angeles County Transportation Commission
LADOT	Los Angeles Department of Transportation
LADWP	Los Angeles Department of Water and Power
LAFD	Los Angeles Fire Department
LAMP	Landside Access Modernization Program
LAPD	Los Angeles Police Department
LARWQCB	Los Angeles Regional Water Control Board
LASD	Los Angeles County Sheriff's Department
LAWA	Los Angeles World Airports

LAX.....	Los Angeles International Airport
LBP.....	Lead-Based Paint
Ldn.....	Day-Night Noise Level
LEED.....	Leadership in Energy and Environmental Design
Leq.....	Equivalent Noise Level
LEV.....	Low Emission Vehicle
LID.....	Low Impact Development
LOS.....	Level of Service
LRT.....	Light Rail Transit
LRTP.....	Long Range Transportation Plan
LST.....	Localized Significance Threshold
MATES-IV.....	Multiple Air Toxics Exposure Study IV
MBTA.....	Migratory Bird Treaty Act
Metro.....	Los Angeles County Metropolitan Transportation Authority
MGD.....	Million Gallons Per Day
MOS.....	Minimum Operable Segment
MP.....	Mobility Plan
MPG.....	Miles Per Gallon
MTBE.....	Methyl Tert-Butyl Ether
MTCO _{2e}	Metric Tons of CO ₂ Equivalents
N ₂ O.....	Nitrous Oxide
NAAQS.....	National Ambient Air Quality Standards
Nm.....	Nanometer
NO.....	Nitric Oxide
NO ₂	Nitrogen Dioxide
NOP.....	Notice of Preparation
NO _x	Nitrogen Oxides
NPDES.....	National Pollutant Discharge Elimination System
NPDES.....	National Pollutant Discharge Elimination SystemO ₃ Ozone
O ₃	Ozone
OEHHA.....	Office of Environmental Health Hazard Assessment
OPR.....	Office of Planning and Research
Pb.....	Lead
PCBs.....	Poly-chlorinated biphenyls
PCE.....	Tetrachloroethylene
pLAN.....	Sustainable City Plan
PM.....	Particulate Matter
PM ₁₀	Particulate Matter 10 Microns or Less in Diameter
PM _{2.5}	Particulate Matter 2.5 Microns or Less in Diameter
PPM.....	Parts Per Million
PPV.....	Peak Particle Velocity
PRC.....	Public Resources Code
RAP.....	Remedial Action Plan
RCP.....	Regional Comprehensive Plan

RCRA.....	Resource Conservation and Recovery Act
REC.....	Recognized Environmental Conditions
RMS.....	Root Mean Square
ROD	Record of Decision
ROG	Reactive Organic Gas
RPZ.....	Runway Protection Zone
RTIP.....	Regional Transportation Improvement Program
RTP	Regional Transportation Plan
RWQCB.....	Regional Water Quality Control Board
SARA	Superfund Amendments and Reauthorization Act
SB	Senate Bill
SCAG.....	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCS.....	Sustainable Communities Strategy
SMP.....	Soil Management Plan
SO ₂	Sulfur Dioxide
SoCal Gas	Southern California Gas
SO _x	Sulfur Oxides
SRA.....	Source Receptor Area
STIP.....	Statewide Transportation Improvement Program
SVE.....	Soil Vapor Extraction
SVOCs.....	Semi-Volatile Organic Compounds
SWPPP	Stormwater Pollution Prevention Plan
SWRCB.....	State Water Resources Control Board
TAC.....	Toxic Air Contaminant
TCE.....	Trichloroethylene
TDF	Travel Demand Forecasting
TDM	Transportation Demand Management
TPA.....	Transit Priority Area
TSCA	Toxic Substances Control Act
TSM.....	Transportation System Management
UBC.....	Uniform Building Code
UCLA.....	University of California, Los Angeles
Ultrafine PM	Ultrafine Particulate Matter
UP	Universal Policy
USEPA.....	United States Environmental Protection Agency
USTs.....	Underground Storage Tanks
UWMP.....	Urban Water Management Plan
V/C	Volume-To-Capacity Ratio
Vdb.....	Vibration Decibel Notation
VMT.....	Vehicle Miles Traveled
VOC.....	Volatile Organic Compounds
ZIMAS.....	Zoning Information and Map Access System