



**FINAL**

# Environmental Impact Statement

AND SECTIONS 4(F)/6(F) EVALUATION FOR

## Little Cottonwood Canyon

S.R. 210 | Wasatch Boulevard to Alta

in Cottonwood Heights, Sandy, the Town of Alta,  
and Salt Lake County, Utah

Volume 1: **Summary and Chapters 1–2**

Utah Department of Transportation

UDOT Project No. S-R299(281)

Submitted pursuant to

42 USC 4332(2)(c) and 49 USC 303

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being or have been carried out by UDOT pursuant to 23 USC 327 and a Memorandum of Understanding dated May 26, 2022, and executed by FHWA and UDOT.

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## Acronyms and Abbreviations

µg/L	micrograms per liter
AADT	annual average daily traffic
ACHP	Advisory Council on Historic Preservation
ACS	American Community Survey
ADLS	aircraft detection lighting system
AHI	avalanche hazard index
AM	morning
APE	area of potential effects
Ave.	avenue
BCE	Before the Common Era
BLM	Bureau of Land Management
Blvd.	boulevard
BMP	best management practice
CE	Common Era
CEQ	Council on Environmental Quality
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CLG	certified local government
CLOMR	Conditional Letter of Map Revision
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
CO <sub>2</sub> e	carbon dioxide equivalent
COC	contaminant of concern
dB	decibels
dBA	A-weighted decibels
DERR	Utah Division of Environmental Response and Remediation
DMU	diesel multiple unit
DOE	determination of eligibility
Dr.	drive
<i>E. coli</i>	<i>Escherichia coli</i>
EC	eligible/contributing
EIS	Environmental Impact Statement
EPA	U.S. Environmental Protection Agency
ES	eligible/significant
FAA	Federal Aviation Administration
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FOE	finding of effect
FR	Federal Register
ft	feet



FTA	Federal Transit Administration
g/hp-hr	grams per horsepower-hour
GAP	Gap Analysis Program
GHG	greenhouse gas
GIS	geographic information systems
GPS	global positioning system
HAP	hazardous air pollutants
HEI	Health Effects Institute
HOV	high-occupancy vehicle
hp	horsepower
I-215	Interstate 215
ID	identifier
in/sec	inches per second
KOP	key observation point
LCC	Little Cottonwood Canyon
LCU	landscape character unit
L <sub>dn</sub>	day-night noise descriptor
L <sub>eq</sub>	equivalent noise level
LOMA	Letters of Map Amendment
LOMR	Letter of Map Revision
LOS	level of service
LWCF	Land and Water Conservation Fund
mg/L	milligrams per liter
ML	monitoring location
mm/sec	millimeters per second
MOU	Memorandum of Understanding
MP	management prescription
MP	milepost
mpg	vehicle-miles per gallon
mph	miles per hour
MS4	municipal separate storm sewer system
MSAT	mobile-source air toxic compounds
NAAQS	National Ambient Air Quality Standards
NAC	noise-abatement criteria
NEPA	National Environmental Policy Act
NFHL	National Flood Hazard Layer
NFMA	National Forest Management Act
NFS	National Forest System
NHPA	National Historic Preservation Act
No.	number
NO <sub>2</sub>	nitrogen dioxide
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System

NPL	National Priorities List
NRHP	National Register of Historic Places
NWP	Nationwide Permit
O <sub>3</sub>	ozone
PM	afternoon
PM	particulate matter
PM <sub>10</sub>	particulate matter 10 microns in diameter or less
PM <sub>2.5</sub>	particulate matter 2.5 microns in diameter or less
POAQC	project of air quality concern
PPSL	peak-period shoulder lane
RAC	remote avalanche control
Rd.	road
RDCC	Resource Development Coordinating Committee
RHCA	Riparian Habitat Conservation Area
ROD	Record of Decision
ROW	right of way
RTP	regional transportation plan
S.R.	state route
SCC	species of conservation concern
Section 4(f)	Section 4(f) of the Department of Transportation Act
Section 6(f)	Section 6(f) of the Land and Water Conservation Fund Act
Section 7	Section 7 of the Endangered Species Act
SEL	sound exposure level
SHPO	State Historic Preservation Officer
SIO	Scenic Integrity Objectives
SIP	state implementation plan
SLCDPU	Salt Lake City Department of Public Utilities
SMS	Scenery Management System
sp.	one species
spp.	more than one species
SWPPP	stormwater pollution prevention plan
TCE	temporary construction easement
TDS	total dissolved solids
TIP	transportation improvement program
TMDL	Total Maximum Daily Load
TNM	Traffic Noise Model
TNW	traditional navigable water
TSS	total suspended solids
UAC	Utah Administrative Code
UDEQ	Utah Department of Environmental Quality
UDOT	Utah Department of Transportation
UDSH	Utah Division of State History
UDWQ	Utah Division of Water Quality

UFA	Unified Fire Authority
UNHP	Utah Natural Heritage Program
UPDES	Utah Pollutant Discharge Elimination System
USACE	U.S. Army Corps of Engineers
USC	United States Code
USDA	U.S. Department of Agriculture
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UST	underground storage tank
UTA	Utah Transit Authority
UWCNF	Uinta-Wasatch-Cache National Forest
Vol.	volume
WCNF	Wasatch-Cache National Forest
WFRC	Wasatch Front Regional Council