Table of Contents

Table of Contents List of Acronyms	i v i
1. INTRODUCTION Goal & Objectives Accomplishments Since the 2017 VROOM What is the Regional Transportation Plan? Related Plans California Environmental Quality Act References	1-1 1-2 1-3 1-5 1-6 1-9
Renewing Our Communities	
2. RENEWING OUR COMMUNITIES Communities- From Local to Global Renew What? County Profile & Community Feedback Transportation Equity Renew How? [Plan Goal & Objectives] Action Plan: Proposed Projects References Table Renew-1. Race and Ethnicity in Humboldt County (2015-2019) Table Renew-2. Factors that Affect Mobility, Humboldt County (2015-2019) Table Renew-3. Safe and Sustainable Transportation Targets	2-1 2-1 2-3 2-4 2-9 2-11 2-21 2-22 2-4 2-5 2-13
Table <i>Renew-</i> 4. Regional Equity Planning Projects Figure <i>Renew-</i> 1 Collisions in Humboldt County (All) 12/14/2017 – 12/31/2020 Figure <i>Renew-</i> 2. What you see at 15mph versus 30mph Figure <i>Renew-</i> 3. Survey Results for Countywide Transportation Funding Priorities Figure <i>Renew-</i> 4. Example of planning for a "20-Minute Neighborhood"	2-22 2-2 2-3 2-8 2-12
3. GLOBAL CLIMATE CRISIS Trends and Projections Needs Assessment RTP Goal, Objectives, & Policies Action Plan: Proposed Projects Research and Planning References	3-1 3-2 3-5 3-10 3-12 3-13
 Table Climate-1. North Coast Region: Projected Average Annual Max Temperatures to 2099 Table Climate-2. Surface transportation infrastructure (miles) vulnerable sea level rise in Hum Bay Table Climate-3. Summary of Humboldt CoUS 101 Prototype-Location Adaptation Options Table Climate-4. Regional Climate-Crisis Planning Projects Table Climate-5. Miles of roads and railways vulnerable to erosion and flood Table Climate-6. Miles of roads and railways vulnerable to a 100-year flood Table Climate-7. Replacement value of buildings/contents at risk of a 100-year flood event Figure Climate-1. U.S. Greenhouse Gas Emission in 2019 Figure Climate-2. Sources of California Greenhouse Gas Emissions in 2019 	3-7

VROOM \$\frac{1}{2}2022-2042 Variety in Rural Options of Mobility

Figure <i>Climate</i> -3. 2015 Humboldt County Greenhouse Gas Emissions (Draft County CAP) Figure <i>Climate</i> -4. Trends in California GHG Emissions, 2000-2019	3-3 3-4
Figure Climate-5. Highway 101 Vulnerability to Sea-Level Rise Along Humboldt Bay Figure Climate-6. Electric and Plug-in Hybrid Electric Vehicles on the Road in Humboldt Figure Climate-7. US 101 Eureka to State Route 255 Possible Inundation Figure Climate-8. North segment, lower Arcata Bay Reach existing flooding conditions (2015)	3-8 3-10 3-16 3-16
Figure <i>Climate-9</i> . Middle segment, south of Eureka flooding conditions (2015) Figure <i>Climate-10</i> . North segment, upper Arcata Bay Reach projected inundation 2015–2050	3-17 3-17
Strengthening Partnerships	
4. TRIBAL TRANSPORTATION ELEMENT	4-1
Tribal Transportation Planning	4-1
Goal, Objectives, & Policies Tribal Government Summaries	4-3 4-3
References	4-11
5. EMERGENCY TRANSPORTATION ELEMENT	5-1
Existing Emergency Management	5-1
Emergency and Resilience Planning	5-2 5-6
Goals, Objectives, & Policies Action Plan: Proposed Projects	5-7
Funding	5-8
Performance Indicators	5-9
References	5-10
Table <i>Emergency-</i> 1. Regional Emergency Transportation Proposed Projects Table <i>Emergency-</i> 2. Performance Indicators for Emergency Transportation Operations	5-8 5-9
6. LAND USE-TRANSPORTATION ELEMENT	6-1
Land Use and Transportation	6-1
Goal, Objectives, & Policies Needs Assessment	6-4 6-6
Action Plan: Proposed Projects	6-9
References	6-10
Table Land Use-1. Additional Housing Units Needed in Humboldt County 12/31/18 to 8/31/27	
Table Land Use-2. Final 2019 RHNA Allocation, by Income Category	6-8
Table <i>Land Use-</i> 3. Final 2019 Overall Regional Housing Needs Assessment (RHNA) Table <i>Land Use-</i> 4. Regional Land Use Planning Projects	6-8 6-9
Supporting Active Transportation	
SUPPORTING ACTIVE TRANSPORTATION	
7. COMPLETE STREETS & CONNECTED COMMUNITIES	7-1
Existing Roadway System Goal, Objectives, & Policies	7-2 7-8
Needs Assessment	7-8 7-10
Action Plan: Proposed Projects	7-13
Performance Indicators	7-27
Table Streets-1. Bikeway Classifications and Local Examples Table Streets-2. Regionally Significant Roadways	7-6 7-7

VROOM \$\frac{1}{2}2022-2042 Variety in Rural Options of Mobility

Table Streets-3. Roadway Maintenance & Rehabilitation Backlog (2021) Table Streets-4. Complete Streets Projects for Cities, County, Tribes–Short-Term & Long-Terr Table Streets-5. Complete Streets Projects for Caltrans District 1 Table Streets-6. Performance Indicators for the Regional Complete Streets System	7-11 n 7-14 7-23 7-27
Figure <i>Steets</i> -1. CA State Highway & Local Roads 2018 Figure <i>Streets</i> -2. A Conceptual Road Design for a "Main Street" Figure <i>Streets</i> -3. Converting a right-of-way to be more effectively multi-modal	7-2 7-4 7-6
8. COMMUTER TRAILS ELEMENT	8-1
Existing Regional Trails	8-2
Goals, Objectives, & Policies	8-4
Needs Assessment	8-5
Action Plan: Proposed Projects References	8-6 8-8
Table <i>Trails</i> -1. Regional Commuter Trail Projects	8-7
9. PUBLIC TRANSPORTATION ELEMENT	9-1
Existing Interregional Transit System	9-1 9-1
Existing Regional Transit System Goals, Objectives, & Policies	9-5
Needs Assessment	9-8
Action Plan Proposed Projects	9-10
Performance Indicators	9-13
References	9-15
Table <i>Transit-</i> 1. Humboldt Transit Authority (HTA) Shared-Cost Assessments Table <i>Transit-</i> 2. Regional Projects for Public Transportation Table <i>Transit-</i> 3. Regional Transit Service Performance Measures	9-2 9-11 9-15
Commercial & Industrial Transport	
10. AVIATION SYSTEM ELEMENT	10-1
Airport Access & Mobility	10-2
Aviation Planning	10-3
Regional Aviation System	10-5
Goal, Objectives, & Policies	10-13
Needs Assessment Action Plan: Proposed Projects	10-14 10-21
Performance Indicators	10-25
References	10-27
Table Aviation-1. Public-use Airports in Humboldt County	10-7
Table Aviation-2. California Redwood Coast Airport Enplanements 2009-2019	10-9
Table Aviation-3. Forecast Airport Activity for Humboldt County, 2017-2039	10-12
Table Aviation-4. Regional Airport Capital Improvement Plan (CIP) and Planning Projects	10-22
Table Aviation-5. Performance Indicators for Regional Aviation System	10-24
Figure Aviation-1. Sea-Level Rise Affecting Public Airports, CA	10-17
11. GOODS MOVEMENT ELEMENT	11-1
Existing Goods Movement System	11-1
Goal, Objectives, & Policies	11-10
Needs Assessment Action Plan: Proposed Projects	11-12 11-18

VROOM \$\frac{1}{2}2022-2042 Variety in Rural Options of Mobility

System Performance Indicators References Table Goods-1. Active Shipping Terminals on Humboldt Bay Table Goods-2. Foreign Trade Zones in Humboldt County Table Goods-3. Regional Goods Movement Projects Table Goods-4. Performance Indicators for Regional Goods Movement System		11-19 11-20
		11-6 11-7 11-19 11-20
Funding		
Federal Tran State of Cali Inventory of Additional P Finance Plan References Table Table Table Table Table Table Table Table Table	Insportation Funding Infornia Transportation Funding Infornia Transportation Funding Infornia Transportation Funding Programs Potential Funding Sources Informance-1. SB 1 Funding Estimates for Humboldt County Informance-2. Sales Tax Initiatives in Humboldt County Informance-3. Federal and State Transportation Funding Programs Informance-4. Projected Revenue Informance-5. Financial Projections for HCAOG Regional Complete Streets Projects Informance-6. Transit System Financial Projections Informance-7. Projected 20-year Transit Program Revenues Informance-8: Project Table Informance-1. Federal Highway Trust Fund Baseline Projections	12-1 12-3 12-7 12-8 12-9 12-16 12-5 12-6 12-12 12-12 12-14 12-14 12-15
Maps Tab		
Figure 2.1 Figure 2.2 Figure 2.3a Figure 2.3b Figure 2.3c Figure 2.4	Vicinity Map General Land Use: Humboldt County Population Centers and Major Destinations: North Population Centers and Major Destinations: South Population Centers and Major Destinations: Humboldt Bay Area Disadvantaged Community Priority Areas	1 2 3 4 5 6
Figure 4.1	Tribal Areas	7
Figure 7.1 Figure 7.2	Class I Regional Commuter Multi-Use Trails Class III Regional Bicycle Routes	8 9
Figure 9.1a Figure 9.1b Figure 9.1c Figure 9.1d	Transit Routes: Countywide Transit Routes: Arcata Transit Routes: Eureka Transit Routes: Fortuna	10 11 12 13
Figure 11.1	Goods Movement	14

APPENDICES

- Appendix A. Public Outreach & Engagement Program
- Appendix B. Airport Ground Access Improvement Plan
- Appendix C. Addendum #2 to the Final Environmental Impact Report prepared for the Humboldt Regional Transportation Plan 2013-14 Update
- Appendix D. Public & Agency Written Comment
- Appendix E. Caltrans District 1 Project Lists

HCAOG Plans Incorporated by Reference

- Humboldt County Coordinated Public Transit-Human Services Transportation Plan (2021)
- McKinleyville Transit Study (2021)
- Mobility-on-Demand Strategic Development Plan (2020)
- ❖ HCAOG Public Participation Plan (2018)
- Humboldt Regional Bicycle Plan (2018)
- Humboldt County Transit Development Plan (2017 or most current)
- Humboldt Regional Trails Master Plan (2010)
- Humboldt County Regional Pedestrian Plan (2008)

LIST OF ACRONYMS

Federal Transit Administration grant program (mass transportation needs for elderly

persons and persons with disabilities)

5311, 5311 (f) Federal Transit Administration grant program (for public transit in non-urbanized

areas, i.e., population under 50,000)

AAC Aviation Advisory Committee of the County of Humboldt

ACV Airport code for California Redwood Coast–Humboldt County Airport

A&MRTS Arcata and Mad River Transit System

AB 32 Assembly Bill 32: California Global Warming Solutions Act of 2006

AIP Airport Improvement Program
ALUC Airport Land Use Commission
ALUCP Airport Land Use Compatibility Plan
ARRA American Recovery and Reinvestment Act

ATP Active Transportation Program (A state funding program)

BIA Bureau of Indian Affairs

BLRTS Blue Lake Rancheria Transit System

CALCOG California Association of Councils of Governments

CalSTA California State Transportation Agency
Caltrans California Department of Transportation

CARB California Air Resource Board
CBO Congressional Budget Office
CCCC California Climate Change Center

CCT California Coastal trail
CFR Code of Federal Regulations
CIP Capital Improvement Plan

CO₂ Carbon Dioxide (a greenhouse gas)
CPUC California Public Utilities Commission

CRRSA Act Coronavirus Response and Relief Supplemental Appropriations

CTC California Transportation Commission

CTP California Transportation Plan

DAR/DAL Dial-a-ride, Dial-a-lift

DOT Department of Transportation

EEM Environmental Enhancement & Mitigation program

ETS Eureka Transit Service EV Electric Vehicle FTZ Foreign Trade Zone

FAA Federal Aviation Administration

FAST Act Fixing America's Surface Transportation Act

FFY Federal Fiscal Year

FHWA Federal Highway Administration (under the U.S. Department of Transportation)

FSTIP Federal Statewide Transportation Improvement Program

FTIP Federal Transportation Improvement Program

FTA Federal Transit Administration (under the U.S. Department of Transportation)

FTS Fortuna Transit System

FY Fiscal Year

GASNA General Aviation System Needs Assessment

GHG Greenhouse Gas

NCCTC North Coast Tribal Transportation Commission

HBMWD Humboldt Bay Municipal Water District

HCAOG Humboldt County Association of Governments

VROOM \$2022-2042

Variety in Rural Options of Mobility

HSU Humboldt State University
HTA Humboldt Transit Authority
HTF Highway Trust Fund

HVTC Hoopa Valley Tribal Council

ISTEA Intermodal Surface Transportation Efficiency Act
ITIP Interregional Transportation Improvement Program

ITS Intelligent Transportation System

K/T NeT Klamath Trinity Non-emergency Transportation

KPRA Kingpin-to-rear-axle
LED Light-Emitting Diode
LOS Level of Service

LTF Local Transportation Fund (Enacted by the Transportation Development Act (TDA).

LTS Level of Traffic Stress

MAP-21 Moving Ahead for Progress in the 21st Century (Went into effect FY 2013-14.)

MKRCTP Middle Klamath River Community Transportation Plan

MOA/MOU Memorandum of Agreeement/Understanding

NCRA North Coast Railroad Authority

NPIAS National Plan of Integrated Airport Systems

NOx Nitrous Oxide (an air pollutant) NZEV Near Zero Emission Vehicle

OA Operational Area

OES State Office of Emergency Services

OWP Overall Work Program

PAC Policy Advisory Committee (HCAOG committee)

PCI Pavement Condition Index PDT Project Delivery Team

PM Particulate Matter (an air pollutant)
PMS Pavement Management System

PPM Planning, Programming and Monitoring state funding

PSA Public Service Announcement

PSR Project Study Report

PTMISEA Public Transportation Modernization, Improvement, and Service Enhancement

Account (also called Prop 1B)

RCEA Redwood Coast Energy Authority

RCT Redwood Coast Transit
RPA Regional Planning Agency

RSTP Regional Surface Transportation Program
RTIP Regional Transportation Improvement Program

RTP Regional Transportation Plan

RTPA Regional Transportation Planning Agency

RTS Redwood Transit System

SAFE Service Authority for Freeway Emergencies

SAFETEA-LU Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users

(federal transportation act 2005--2012)

SB Senate Bill

SB 1 Road Repair and Accountability Act of 2017

SB 69 North Coast Railroad Authority and Great Redwood Trail Agency of 2020

SB 375 Sustainable Communities and Climate Protection Act of 2008

SB 1029 North Coast Railroad Authority Closure and Transition to Trails Act of 2021

SHA State Highway Account

SHI Southern Humboldt Intercity transit system

SLR Sea-level rise

SPR State Planning and Research

SR State Route

VROOM \$2022-2042

Variety in Rural Options of Mobility

SR2S Safe Routes to School (State of California's program)
SRTS The former federal Safe Routes to School program

SST Targets Safe & Sustainable Transportation Targets

SSTAC Social Service Transportation Advisory Council (HCAOG committee)

STAA Surface Transportation Assistance Act

STAF, STA Fund State Transit Assistance Fund

STIP State Transportation Improvement Program

TAC Technical Advisory Committee (HCAOG committee)

TAP Transportation Alternatives Program

TAZ Traffic Analysis Zone

TCTC Trinity County Transportation Commission

TDA Transportation Development Act
TDM Transportation Demand Management

TDP Transit Development Plan

TE Transportation Enhancement (Federal, enacted by SAFETEA-LU)

TEA Transportation Equity Act

TEK Traditional Ecological Knowledge

TIGER Transportation Investment Generating Economic Recovery

TIRCP Transit and Intercity Rail Capital Program
TTIP Tribal Transportation Improvement Program
TSM Transportation Systems Management

TTPA Tribal Transportation Programmatic Agreement

UTN Unmet Transit Needs
VMT Vehicle Miles Traveled

VOC Volatile Organic Compound (an air pollutant)

WSP Wayfinding System Project
YTTS Yurok Tribal Transit Service
ZEV Zero Emission Vehicle