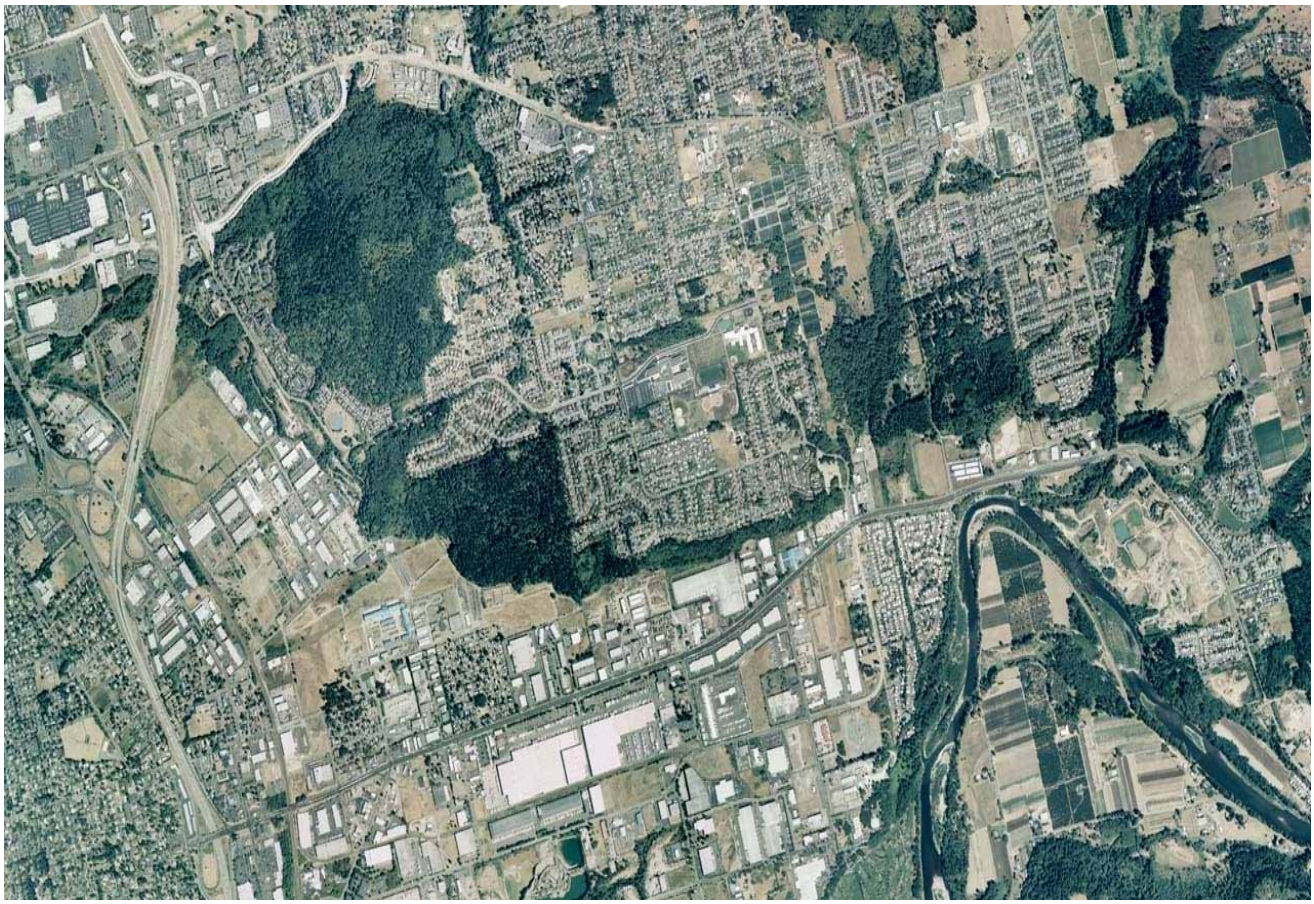
Environmental Baseline Report

Sunrise Project,
I-205 to Rock Creek Junction
Clackamas County, ODOT Region 1
Highway 212/224



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Abbreviations and Acronyms

ACHP	Advisory Council on Historic Preservation
AINW	Archaeological Investigations Northwest, Inc.
ASTM	American Society for Testing and Materials
BA	Biological Assessment
BMP	Best Management Practice
BOD_5	5-Day Biological Oxygen Demand
Bp	before present
CCSD	Clackamas County Service District
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CO	carbon monoxide
CORRACTS	Corrective Action Report
CPO	Community Planning Organization
CRL	Confirmed Release List
DCE	Dichloroethene
DEIS	Draft Environmental Impact Statement
DEQ	Oregon Department of Environmental Quality
DOGAMI	State Department of Geology and Mineral Industries
DSL	Oregon Division of State Lands
EBR	Environmental Baseline Report
ECSI	Environmental Cleanup Site Information
EDR	Environmental Data Resources
EPA	U.S. Environmental Protection Agency
ERD	Environmental Resources Data, Inc.
ERNS	Emergency Response Notification System
ESA	Endangered Species Act
ESU	Evolutionary Significant Units
FAC	Facultative

FACU	Facultative Upland
FACW	Facultative Wetland
FHWA	Federal Highway Administration
FWCA	Fish and Wildlife Coordination Act
GIS	Geographic Information System
HGM	hydrogeomorphic
LCDC	Land Conservation and Development Commission
LUST	Leaking Underground Storage Tank
LWCF	Land and Water Conservation Fund Act
MSA	Metropolitan Statistical Area
MS4	Municipal Separate Storm Sewer System
MTIP	Metropolitan Transportation Improvement Program
Mg/kg	milligrams per kilogram
mg/L	milligrams per liter or parts per million
mgd	million gallons per day
NAAQS	National Ambient Air Quality Standards
NEPA	National Environmental Policy Act
NFA	No Further Action
NOAA	National Oceanic and Atmospheric Administration
NPDES	National Pollution Discharge Elimination System
NPL	National Priority List
NRHP	National Register of Historic Places
NURP	Nationwide Urban Runoff Program
OAR	Oregon Administrative Rule
OBL	Obligate Wetland
ODA	Oregon Department of Agriculture
ODFW	Oregon Department of Fish & Wildlife
ODOT	Oregon Department of Transportation
OESA	Oregon Endangered Species Act
OHP	Oregon Highway Plan
ONHP	Oregon Natural Heritage Program

OPL	Obligate Upland
ORNHIC	Oregon Natural Heritage Information Center
ORS	Oregon Revised Statues
OTP	Oregon Transportation Plan
PAH	polynuclear aromatic hydrocarbons
PCBs	polychlorinated biphenyls
PCE	Perchloroethylene
PGE	Portland General Electric
PM_{10}	Particular Matter (10 microns or less in size)
ppm	parts per million
PUD	Planned Unit Development
RCRA	Resource Conservation and Recovery Act
RI/FS	Remedial Investigation and Feasibility Study
RLIS	Regional Land Information System
ROD	Record of Decision
RTP	Regional Transportation Plan
SHPO	State Historic Preservation Office
SIP	State Implementation Plan
SNR	Sensitive Noise Receiver
STIP	State Transportation Improvement Plan
SWM	Surface Water Management
TAZ	Transportation Analysis Zone
TCE	trichloroethylene
TIF	Tax Increment Financing
TKN	Total Kyeldahl Nitrogen
TPH	Total Petroleum Hydrocarbons
TSD	Transporters, Storers, and Disposers
TSS	Total Suspended Solids
UGB	Urban Growth Boundary
UPRR	Union Pacific Railroad
USACE	U.S. Army Corps of Engineers

USDA	U.S. Department of Agriculture
USFWS	U.S. Fish and Wildlife Service
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	volatile organic compounds
WES	Water Environmental Services
ZDO	Zoning Development Ordinance

1. INTRODUCTION AND DESCRIPTION

1.1 Introduction and Purpose of Report

The purpose of this Environmental Baseline Report (EBR) is to identify resources in the Sunrise Project, I-205 to Rock Creek Junction (Sunrise Project) area that potentially may be adversely affected by a transportation improvement project. The EBR describes the "context" of the Sunrise Project in order to facilitate context-sensitive design. It also provides information to aid the project team in developing project alternatives that avoid or minimize impacts to the environment, and to guide the preparation of required permits and approvals.

1.2 Project Purpose

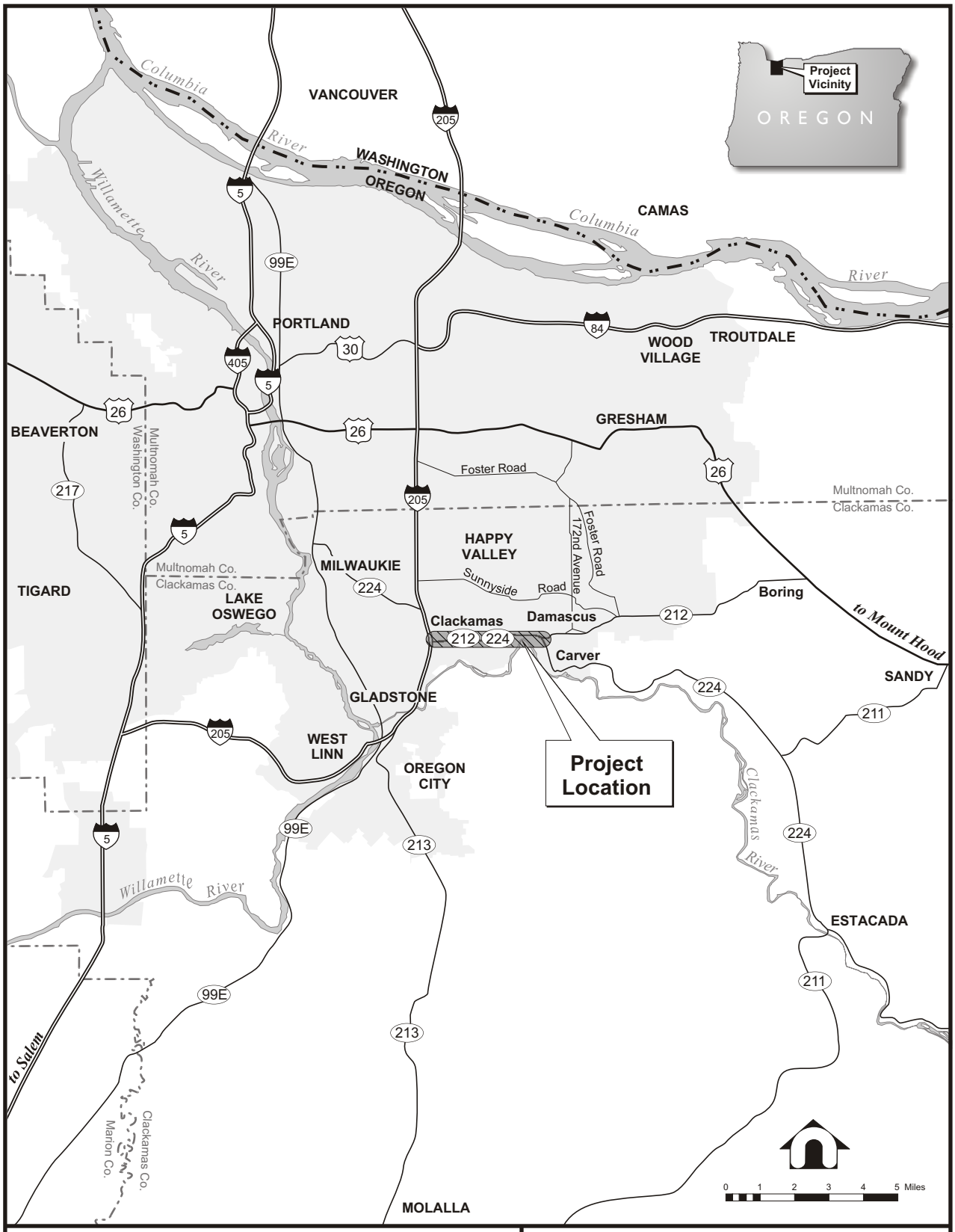
The (draft) purpose of this project is to address the existing congestion and safety problems in the state Highway 212/224 corridor between Interstate-205 (I-205) and the Rock Creek Junction and to serve the growing demand for regional travel and access to the state highway system.

1.3 Project Description

The 4.9-mile Sunrise Project, formerly known as "Sunrise Corridor Unit 1," has been subject to studies since the early 1990s. The project is located in Township 2 South, Range 2 East, Sections 1-5 and 9-12; and in Township 2 South, Range 3 East, Sections 6 and 7 (Figure 1, Project Vicinity). The Sunrise Project would include improvements in the section of the approximately 13-mile-long Sunrise Corridor (State Highway 212/224 between I-205 and U.S. Highway 26) from SE Johnson Road to SE 172nd Avenue. The project alternatives are expected to include highway capacity modifications between I-205 and the intersection of Highway 212 and 224 near Rock Creek (Rock Creek Junction). Unless noted for specific topics and features, the Sunrise Project study area is generally defined by a 1,000-foot wide buffer around the estimated project limits of a proposed expressway alignment developed by the Oregon Department of Transportation (ODOT) in 1996 (Figure 2, Project Area).

1.4 Design Constraints Summary

Table 1 summarizes potential constraints identified for any build alternatives considered in future NEPA documentation of the Sunrise Project. These are described in more detail by specific topic in Sections 2.1 through 2.14 of this report. While it was determined to be too detailed and complex to show as a figure in this report, a comprehensive constraints map is available for use by the design team for this project. This map is a composite of sensitive environmental resources and other features that need to be carefully considered during the development of project alternatives.



Legend

- County Boundary
- Project Location
- Rivers
- State Boundary
- Urban Growth Boundary

INCORPORATED CITY

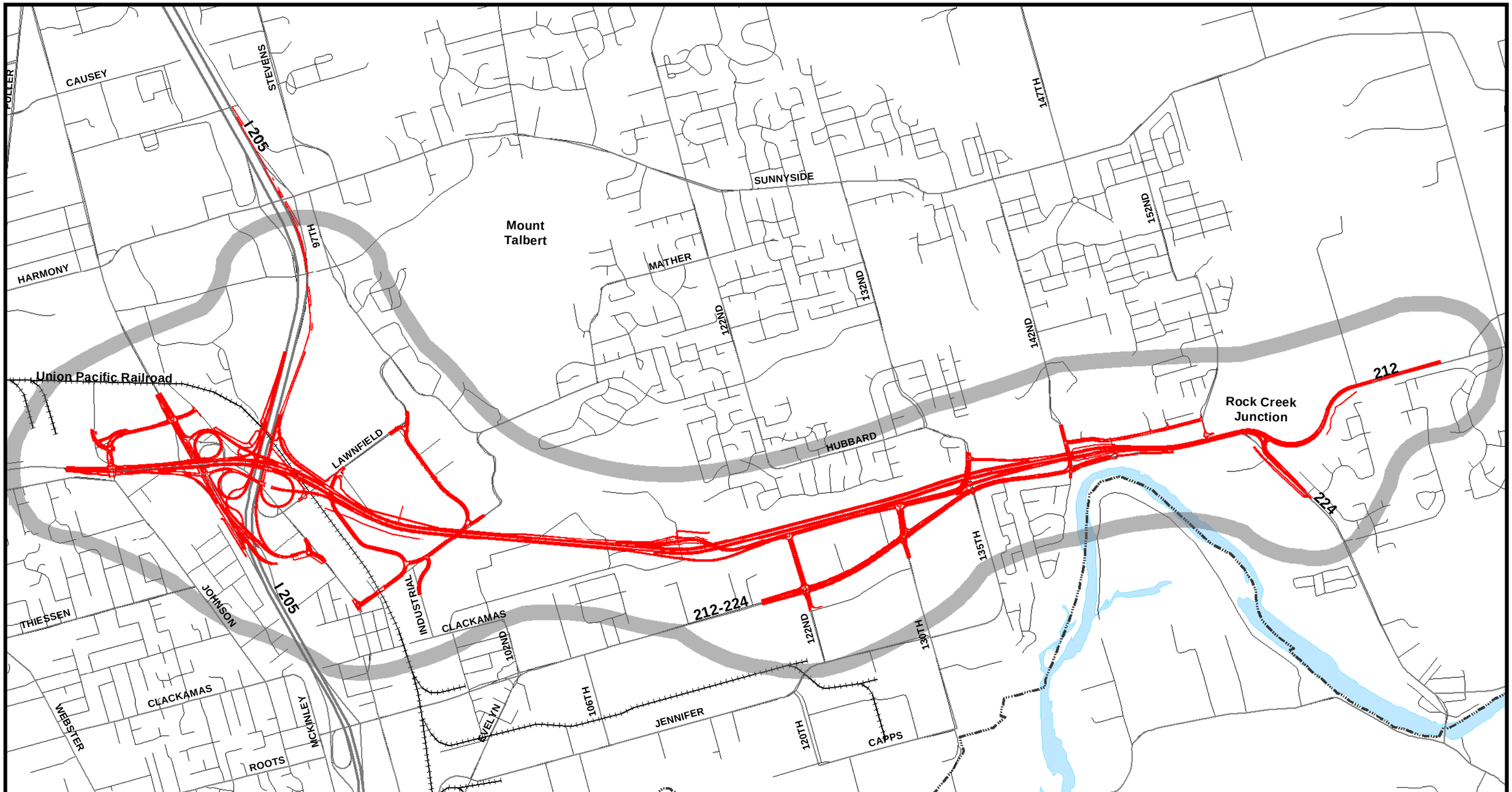
Unincorporated Community

- Interstate
- U.S. Highway
- State Highway
- Other Major Roads

Figure 1

Project Vicinity

Sunrise Project, I-205 to Rock Creek Junction



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Legend

- 1996 Design Concept (ODOT)
- Roads
- Railroads
- Urban Growth Boundary
- Project Area Considered in Evaluation

Figure 2

Project Area Considered

Sunrise Project, I-205 to Rock Creek Junction

Table 1. Sunrise Project, I-205 to Rock Creek Junction–Summary of Design Constraints

Subject Area (Section No.)	Potential Design Constraints
Land Use (2.1.5)	• KEX radio towers • Steep slopes, geological hazards, soil hazards, drainage issues • Mount Talbert bluff wildlife corridor and planned regional trail system • Northwest Pipe and Casing EPA Superfund site
Socioeconomics (2.2.4)	• Businesses, and access for businesses that rely on convenient access to I-205 • Residential properties, including manufactured homes • SE 130th Avenue Fire Station and service from this station
Archaeology (2.3.4)	• Two sites in Camp Withycombe • Former hunting camp site near 135th Avenue • Possible Native American campsite east of Rock Creek near SE 142nd Avenue
Historic Resources (2.4.4)	• Camp Withycombe
Section 4(f) (2.5.4)	• Camp Withycombe
Wildlife Resources (2.6.1.4)	• Forested wildlife corridor between habitats on Mount Talbert and Rock Creek, particularly two narrow segments situated below the residential area along SE Bluff Drive to Hubbard Drive, and near SE 152nd Avenue
Fisheries and Aquatic Resources (2.6.2.4)	• Regulatory requirements for crossings of streams described in Section 2.6.2
Botanical Resources (2.6.3.6)	• Regulatory requirements applied to plant communities described in Section 2.6.3
Wetlands and Other Waters (2.7.4)	• Jurisdictional wetlands, particularly those rated as 3 or higher in areas numbered 4, 6, 7, 12, 13, and 14 (Section 2.7, Table 20, Figure 9)
Water Quality (2.8.4)	• Regulatory requirements applied to streams described in Section 2.8
Geology and Soils (2.9.4)	• Slope instability along Mount Talbert and adjacent volcanic highlands between Camp Withycombe and SE 142nd Avenue • Consideration of seismic activity • High shrink-swell and wet soils • Stream bank erosion potential where the outside meander curve in the Clackamas River near Highway 212
Air Quality (2.10.4)	• No constraints identified
Noise (2.11.4)	• Sensitive noise receptors, as shown in Figures 13a and 13b (Section 2.11)

Subject Area (Section No.)	Potential Design Constraints
Visual (2.12.5)	• Visible bluff formation • Visible forest stands • Open wetland areas • Historic visual character of Camp Withycombe • Views from residential areas
Hazardous Materials (2.13.4)	• 22 sites described in Section 2.13 and shown in Figure 17
Utilities (2.14.4)	• Power lines at Highway 212/SE 135th Avenue • UNION Pacific Railroad main line with fiber optic telecommunication lines, main sewer trunk line, two main water lines serving Sunnyside Road/Happy Valley • Highway 212 from SE 82nd Avenue to SE 172nd Avenue, location of major natural gas transmission line, fiber optic telecommunication line, main water line • Clackamas River Water District pump station at SE 152nd Avenue

1.5 Permits and Approvals

Table 2 identifies permits and approvals that may apply to Build Alternatives considered in future NEPA evaluation. (Note: this is not meant to be a comprehensive list; others may apply.)

Table 2. Permits, Approvals and Coordination

Type of Permit/Approval/Coordination	Agency Responsible	Estimated Timeline*
Section 106 Consultation	State Historic Preservation Office (SHPO)	30-90 days
Section 4(f) Evaluation	Federal Highway Administration (FHWA)	30-90 days
Endangered Species Act Consultation (Biological Assessment/Biological Opinion)	U.S. Fish and Wildlife Service (USFWS), National Oceanic and Atmospheric Administration (NOAA) Fisheries	135 days
Section 404 Permit	U.S. Army Corps of Engineers (USACE)	90-180 days

Type of Permit/Approval/Coordination	Agency Responsible	Estimated Timeline*
Removal-Fill Permit	Oregon Division of State Lands (DSL)	90-130 days
Approval for take of State-Listed Plant Species	Oregon Department of Agriculture (ODA)	30-60 days
Conservation Wetland District Permit	Clackamas County	60 days
CCSD No. 1 Permit	Clackamas County	30-60 days
River and Stream Corridor Area Permit	Clackamas County	30 days
Floodplain Development Permit	Clackamas County	60 days
Steep Slope Review	Clackamas County	60 days
Noise Variance	Clackamas County	60 days
Prospective Purchaser Agreement	Oregon Department of Environmental Quality (DEQ)	Prior to property acquisition. Cleanup, if required, could affect project schedule.

*Unless otherwise noted in Table 2, the permit/approval/consultation process begins with submittal to issuing agency and needs to be completed prior to Record of Decision (ROD).