

Supplemental Analysis (SA) Yurok Tribal Justice Center, Phase III

Yurok Tribe, Klamath, Del Norte County, California

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1.0 INTRODUCTION

This Supplement Analysis (SA) has been prepared to address the environmental impacts associated with the expansion of the existing Yurok Tribal Justice Center (Justice Center) to include the addition of a 2,785 square foot two-story space on Tribal trust lands in Klamath, California (Proposed Project), within the jurisdiction of the Yurok Tribe (Tribe). The proposed project involves the addition to the existing Justice Center using grant funds received from the U.S. Department of Justice, Office of Justice Programs (DOJ) on land held in trust by the United States. DOJ's decision to provide grant funding for the development of the Proposed Project requires compliance with the National Environmental Policy Act (NEPA).

As a major Federal action remains to be taken, this SA will reexamine the original Environmental Assessment (EA) for Phase I, prepared by Analytical Environmental Solutions in June 2013, and the Environmental Update for Phase I, completed by the Yurok Tribe in February 2016.

This document has been completed in accordance with the requirements set forth in the NEPA of 1969 [42 United States Code (USC) §4321 et seq.]; the Council on Environmental Quality (CEQ) Guidelines for Implementing NEPA; and the Department of Justice, Office of Justice Assistance, Research, and Statistics Procedures Related to the Implementation of the National Environmental Policy Act (28 CFR Chapter I, Part 61, Appendix D). **Section 1.0** of this SA (below) provides the purpose and need of the Proposed Project. **Section 2.0** provides the proposed action and alternatives, and effected environment under the Proposed Project. **Section 3.0** discusses the environmental consequences associated with the Proposed Project and mitigation measures, if necessary. Environmental impacts of the proposed action and the alternatives, as well as cumulative impacts under the Proposed Project, are provided in **Section 4.0**. Consistent with the requirements of NEPA, DOJ will review and analyze the environmental consequences associated with the Proposed Action and Proposed Project and will either determine a Finding of No Significant Impact (FONSI) is appropriate, request additional analysis, or request an Environmental Impact Statement (EIS) be prepared.

1.1 Project Location

The Proposed Project will be located on the Yurok Reservation, on an approximately 0.3-acre parcel (APN 140-091-003) located at 230 Klamath Boulevard, within the town of Klamath, Del Norte County, California, east of State Highway 101 (U.S. 101) (Site) (see Figure 1 – Regional Location Map). Regional access is provided by U.S. 101, via either the U.S. 169 or Ehlers Avenue exit. In the vicinity of the Site, U.S. 101 is a two-lane U.S. highway with a below-grade intersection south of the Site (at U.S. 169) and an at-grade intersection north of the Site (at Ehlers Avenue). Access to the Site would be provided via an existing driveway off Klamath Boulevard. Surrounding uses include a parking lot to the north, the existing Justice Center to the south, undeveloped timberlands to the east, and Klamath Boulevard and vacant land to the west.

1.2 Project Description

The Proposed Project site is held in trust by the United States for the Tribe. The Proposed Project involves the expansion of the existing Justice Center by adding an approximately 2,785 square foot two-story constructed space to the north, utilizing grant funds

received from the DOJ on Tribal trust lands in Klamath, California, within the jurisdiction of the Tribe (see Figure 2 – Site and Vicinity Map). The Site consists of limited vegetation and native construction fill and gravel and is currently used as additional parking for the existing Justice Center, with two (2) paved Americans with Disabilities Act (ADA)-compliant parking spaces. Approximately 1,300 square feet of existing asphalt within the parking area will be removed under the Proposed Project. Refer to Appendix A Existing Conditions – Field Visit.

1.3 Purpose and Need for the Proposed Project

The Tribe submitted a grant request to the DOJ for the expansion of the existing Justice Center. The expansion would allow the Tribe to increase the functions of the Tribal Court and the Yurok Tribal Police as a multi-purpose justice facility. The expansion of the existing facility will allow the Tribe to maximize the grant funds by creating additional space that utilizes existing water and wastewater services. The current space occupied by the Yurok Tribal Police is inadequate to meet the needs of their program and the communities that they serve. The expansion of the existing Justice Center would allow for the addition of the following spaces as indicated in *Table 1*, below.

Table 1. Tribal Justice Center, Phase III Plan

| Usage | Square Footage (sf) |
|------------------------------------|---------------------|
| 1st Floor | |
| <i>Administration</i> | |
| Administration | 357 |
| <i>Courtrooms/Conference Rooms</i> | |
| Justice Chamber | 144 |
| Court Room | 698 |
| Attorney Witness Conference Room 1 | 74 |
| Attorney Witness Conference Room 2 | 66 |
| <i>Public Areas</i> | |
| Lobby | 346 |
| ADA Compliant Restroom | 52 |
| Soundlock | 47 |
| Visitation Room | 161 |
| Stairwell | 102 |
| <i>Future Area (TBD)</i> | 53 |
| 2nd Floor | |
| <i>Future Area (TBD)</i> | 685 |
| | |
| Total Development | 2,785 |

Refer to Appendix B Yurok Justice Center Phase III Plans, for additional details.

1.4 Environmental Issues Addressed

Utilizing the 2013 EA and the 2016 Environmental Update for the existing Justice Center, this document serves as supplemental analysis to the original documents and provides information on the proposed expansion and potential impacts to the following areas:

- Land Resources
- Land Use and Associated Resources
- Water Resources
- Transportation
- Public Health and Safety
- Socioeconomic Conditions/Environmental Justice
- Air Quality and Climate Change
- Noise
- Public Services and Utilities
- Biological Resources
- Cultural Resources
- Visual Resources

2.0 PROPOSED ACTION AND ALTERNATIVES

The NEPA format, as prescribed by the Bureau of Justice Assistance, Office of Justice Programs and utilized herein, guides the Lead Agency to consider alternatives to the proposed action (Proposed Project). For the proposed action, three alternatives are presented: (1) Alternative A, (2) Alternative B, and (3) Alternative C.

Based on the application of the above, the proposed action and alternative actions are presented below:

2.1 Alternative A (Preferred Alternative)

Alternative A is the preferred alternative as it entails the Proposed Project's expansion of the existing Justice Center to add additional space for the Yurok Tribal Police. The Department of Justice, Office of Justice Programs would grant funds under the Tribal Courts Assistance Program to the Yurok Tribe to expand the existing Justice Center to add additional space to accommodate the Yurok Tribal Police.

Alternative A consists of DOJ granting funds to the Tribe to expand the existing Justice Center. The expansion would include the addition of approximately 2,785 square feet of space to accommodate the staffing and program needs of the Yurok Tribal Police. Construction will comply with applicable Yurok Tribe and Federal and County building codes. The Proposed Project would include exterior finishes such as lighting and landscaping at the Site.

For wastewater treatment and disposal, the Proposed Project will utilize the existing wastewater system of the existing Justice Center. The existing Justice Center utilizes a septic system to dispose of waste; the system has adequate capacity to meet the increased demands of the Proposed Project. As for utilities and services to the Site, the existing Justice Center has electrical service supplied by Pacific Power and Light. The Proposed Project site has existing infrastructure to allow connection to the power grid. Upgrades to the existing transformer may be necessary to accommodate the additional power loads. Solid waste service for the Proposed Project will be provided by the Del Norte County Solid Waste Management Authority and the Yurok Tribe. Recycling services are available through the County's Solid Waste Management Authority and the Yurok Tribe. Water service for the Proposed Project will come from the Klamath Community Services District (KCSD). The existing Justice Center utilizes a water connection which can be used to accommodate the Proposed Project.

2.2 Alternative B (But Eliminated from Further Study)

Alternative B consists of renovating the existing Yurok Tribal Police building but has been eliminated from further study. The Department of Justice, Office of Justice Programs would grant funds under the Tribal Courts Assistance Program to the Yurok Tribe to renovate the existing Yurok Tribal Police building. The grant funds would be used to upgrade the existing infrastructure within the existing footprint of the building to comply with existing building codes and to meet the space needs of the department.

The Proposed Project, as considered under Alternative B, would utilize the existing water and wastewater infrastructure currently provided by the KCSD. Because the Proposed Project would not add additional square footage to the existing facility, but would renovate and upgrade the current space, additional water and wastewater infrastructure would not be needed. In all, actions proposed under Alternative B would be cost prohibitive and would not meet the needs of the Yurok Tribal Police.

2.3 Alternative C

Alternative C is the “No Action” alternative which would entail no federal action or proposed development to expand the existing Justice Center.

Under the No Action Alternative, DOJ would not grant funds to the Yurok Tribe and the existing Justice Center would not be expanded as identified in Alternative A, nor would the Yurok Tribal Police building be renovated as described under Alternative B. The Yurok Tribal Police would continue to operate their department in an outdated and undersized facility.

2.4 Alternatives Considered But Eliminated

The only reasonable alternative actions available to DOJ are to grant the funds for the Proposed Project as described under Alternative A or deny funding. Actions proposed under Alternative B would be cost prohibitive and would not meet the needs of the Yurok Tribal Police. The current building's parcel footprint would not allow for additional space development for the program.

3.0 ENVIRONMENTAL CONSEQUENCES

For the purposes of this analysis, both direct and indirect impacts were reviewed. Direct effects are those caused by the proposed action and occur at the same time and place (i.e., the construction and operation of the expanded Justice Center. Indirect effects are caused by the action and are later in time or farther removed in distance but are still reasonably foreseeable. Indirect effects may include growth inducing effects and other related induced changes in the pattern of land use, population density or growth rate, and effects and related effects on air and water and other natural systems, including ecosystems (40 CFR 1508.8). For the purposes of analyzing environmental consequences, the Preferred Action (expansion of the existing Justice Center) is considered along with the No Action Alternative.

The Proposed Project will be located on the Yurok Reservation, on an approximately 0.3-acre parcel (APN 140-091-003) located at 230 Klamath Boulevard, within the town of Klamath, Del Norte County, California. Expansion of the existing Justice Center is expected to create temporary short-term direct impacts due to construction activities. Direct and Indirect Impacts from expanding the existing Justice Center and mitigation measures or Best Management Practices (BMPs) to address those impacts are described below. Cumulative Impacts are described in **Section 4.0**.

Utilizing the 2013 EA and the 2016 Environmental Update for the existing Justice Center, the following summary reflects the implementation of mitigation measures or BMPs to reduce impacts to a Less Than Significant level for the environmental issues addressed.

3.1 Land Resources

As indicated in the 2013 EA Findings, 2016 Environmental Update, and per the California Department of Conservation (DOC) Maps for Geologic Hazards, the likelihood of surface (fault) rupture causing exposure of people or structures to adverse effects is low (DOC, 2018). The Natural Resource Conservation Service (NRCS) National Cooperative Soil Survey identified soils at the Site as *Bigriver-Ferndale-Russ complex* and were noted as being well-drained. The *Bigriver-Ferndale-Russ complex* soil type is commonly found on flood plains with slopes ranging from 2 to 5 percent (NRCS Custom Soil Resource Report, 2019). As the Proposed Project is situated on a previously disturbed area with slopes less than 15 percent, the anticipated limited amount of grading activities associated with the construction of the Proposed Project would make it highly unlikely for a landslide to occur (DOC, 2018). However, seismic shaking is still likely to result in potentially adverse impacts to building occupants, including liquefaction from shallow groundwater and sandy soils, as the Site has high shaking potential (DOC, 2018). With the implementation of **Mitigation Measure LR-1** under the 2013 EA and the 2016 Environmental Update, safety issues associated with ground-shaking would be minimized.

Mitigation Measures

LR-1: The Tribe will require, through contractual agreement, the Proposed Project meet or exceed the requirements of the California Building Code (CBC) (California Code of Regulations, Title 24), relating to earthquake design features and soil and geological conditions, including liquefaction.

3.2 Land Use & Associated Resources

The Proposed Project is in conformance with the 2013 EA Findings and the 2016 Environmental Update as it is contained within trust land boundaries where the General Plan does not apply,

but rather to the surrounding land uses. Land uses in proximity to the Site include Tribal lands, with light commercial to the north and west, general commercial to the south, and timberlands to the east (County Parcel Viewer, No Date). Surrounding uses include a parking lot to the north, the existing Justice Center to the south, undeveloped timberlands to the east, and Klamath Boulevard and vacant land to the west. As such, the Proposed Project would not result in changes to land uses and therefore, no inconsistencies are anticipated with the General Plan designations of the surrounding land uses. The Proposed Project would be built and operated entirely on the Tribal trust land adjacent to lands designated for commercial use under the General Plan and within the zoning district for General Commercial per the County of Del Norte (County Parcel Viewer, No Date). No impacts to land use plans, policies, or regulations would occur as a result of the Proposed Project. With the nearest Habitat Conservation Plan (HCP) designated areas, the Humboldt Bay National Wildlife Refuge Complex, greater than 50 miles south of the Site, implementation of the Proposed Project would not result in a conflict with the implementation of the HCP (USFWS, 2017). Expansion of the existing Justice Center would not result in the need for additional housing or result in an increased use in regional recreational facilities as the services that would be provided are currently conducted at the existing Justice Center. In addition, per DOC Maps for Agriculture, there are no agricultural resources nor farmland of state importance within or surrounding the Site (DOC, 2018). No impact would occur.

Mitigation Measures

No mitigation measures.

3.3 Water Resources

Phase III of the Proposed Project would be constructed in the same manner as detailed in the 2013 EA Findings and the 2016 Environmental Update. Construction would result in less than one acre of ground disturbance and therefore, coverage under the United States Environmental Protection Agency's (USEPA) General Construction National Pollutant Discharge Elimination System (NPDES) Permit is not required. The Tribe will also follow standard construction protocols to reduce the potential for sedimentation of local waterways and co-mingling of construction materials with stormwater. As the Proposed Project is located on Tribal lands, the lead Tribal agency would be required to obtain a water quality permit from the Yurok Tribal Environmental Permit.

Based on the low level of ground disturbance, construction of the Proposed Project would result in minimal adverse impacts to local water quality. All construction associated with the Proposed Project would take place on the existing graveled parking lot that serves as additional parking for the existing Justice Center and would therefore result in a no net increase in impervious surfaces. As the existing water and wastewater services would be utilized for the expanded Justice Center, there would be no impact to groundwater recharge or storm water conveyance and detention. The Klamath River, a designated Wild and Scenic River, is located within one mile of the Site and would comply with the Wild and Scenic Rivers Act (National Wild and Scenic Rivers System, No Date). In addition, no flood control dams or levees are located within the vicinity of the Proposed Project area (Google Earth, 2020). The eastern edge of the Site contains a constructed drainage at the toe of the slope. The south side of the Site contains two (2) stormwater drains, where flow is transported by the channel located south and offsite, eventually discharging into the Klamath River to the west (see Appendix A). The Site is located outside the flood plain of the Klamath River to the west per the FEMA Flood Insurance Rate Map (FIRM) Community Panel Number 06015C0475F, dated 8/2/2017 (see Appendix C FIRM

Panel Map). Therefore, the Proposed Project would not result in or contribute to increased risk of flooding, including flooding as a result of failure of a dam or levee. No people or structures would be exposed to significant risk of loss, injury, or death involving flooding as a result of the failure of a dam or levee. No impact would occur.

Mitigation Measures

No mitigation measures.

3.4 Transportation

Regional access is provided by U.S. 101, via either the U.S. 169 or Ehlers Avenue exit. Access to the Site would be provided via an existing driveway off Klamath Boulevard. Provided by the *2020 Del Norte Regional Transportation Plan Initial Study*, due to the rural nature of Del Norte County, although there is a decrease in population per year, this does not result in a Vehicle Miles Traveled (VMT) decrease. It is expected that VMT will increase minimally on County roadways over the lifetime of the Proposed Project due to little or no population growth projected over the coming decades. VMT within the County will increase at an estimated rate no greater than 0.52 percent annually between 2020 and 2040, a total of 10.49 percent over 20 years. Total VMT in 2040 is anticipated to be 978.5 vehicle miles traveled per day (Initial Study, 2020).

As was the case in the 2013 EA Findings and the 2016 Environmental Update, the construction of the Proposed Project would include potential traffic impacts related to construction worker trips to and from the Site as well as importation and exportation of construction material and equipment. However, because construction traffic generally occurs during off-peak hours and results in only a short-term increase in traffic volumes on U.S. 101, construction of the Proposed Project is not expected to create any safety, capacity, or issues related to VMT. Construction traffic would not be substantial in relation to the existing traffic load and capacity of the street system and would not cause an exceedance of the applicable VMT standards. Therefore, construction traffic would have a less-than-significant impact.

Operation of the Proposed Project would result in a minimal increase in transportation activity from expanded Tribal justice activities. With a majority of the current Tribal justice activities provided at the existing Justice Center and adjacent Tribal Administration Building, minimal changes to the transportation network would result from the Proposed Project. Parking losses related to the expansion of the existing Justice Center, to be located on the additional parking lot that currently serves the existing Justice Center, would be offset from the existing parking lot to the north, parking developed to support the adjacent casino, and street side parking. Refer to Appendix D for the CalEEMod Model Results for Trips and VMT counts under the Proposed Project. A less-than-significant impact would occur.

Mitigation Measures

No mitigation measures.

3.5 Public Health and Safety

As provided on the Department of Toxic Substances Control (DTSC) EnviroStor Site/Facility Search and the State Water Resources Control Board (SWRCB) GeoTracker database, the Site does not have any known contamination and is not located within 1,000 feet of any active cleanup sites or hazardous waste facilities (DTSC, 2020; SWRCB, 2020). Similar to the 2013 EA Findings and the 2016 Environmental Update, during construction of the Proposed Project,

limited quantities of miscellaneous hazardous substances such as fuels, solvents, oils, and paint would be used and stored at the Site, and would have the potential for an accidental release, posing a hazard to the public and to the environment. If properly used, stored, and disposed of, these materials would not be a hazard to the public or the environment. The quantities and types of hazardous material would be similar to any commercial operation the size of the Proposed Project and the types of substances would be similar to adjacent construction sites. With the nearest school approximately two miles north of the Site, the Proposed Project would pose a minimal risk to the health and safety of the school. The equipment used during expansion of the existing Justice Center may create sparks, which could ignite dry grass or vegetation which could spread to the vegetated areas surrounding the Site, leading to wildfires. During construction, the use of power tools and acetylene torches may also increase the risk of fire hazard. Based on the extent of construction activities required to develop a 2,785 square foot building, this risk, similar to that found at other construction sites, is considered minimal. The Site is located near forest lands managed by the U.S. Forest Service (USFS) located to the east and the unincorporated community of Klamath, which, on average, has a greater wildfire likelihood than 61 percent of communities within the State (USDA, No Date). However, the Site is not within the Wildlands-Urban Interface (WUI) but is instead located in non-wildland urban interface with some surrounding vegetated areas and low-density development (USBLM, 2002), and the adjacent roadway and developed parcels surrounding the Site provide a fire break between the Site and undeveloped wildlands. Therefore, a less-than-significant impact would occur.

Mitigation Measures

No mitigation measures.

3.6 Socioeconomic Conditions & Environmental Justice

The County of Del Norte as of 2021 has an estimated population of 27,956 with a growth rate of 0.26 percent in the past year based on the most recent U.S. census data, although, since the 2010 census was conducted, the County has seen a decline in population of 2.14 percent (World Population Review, 2021). Klamath, an unincorporated, rural census-designated place, as of 2018 had a population of 617 and had seen a decline in population of 14.5 percent. The five largest ethnic groups in Klamath are White (Non-Hispanic) at 52.4 percent, American Indian and Alaska Native (Non-Hispanic) at 37 percent, two ethnicities (Non-Hispanic) at 7.78 percent, White (Hispanic) at 1.13 percent, and American Indian and Alaska Native (Hispanic) at 0.972 percent (Data USA, No Date). The Yurok Tribe is currently the largest Tribe in California, with more than 6,000 enrolled members, providing numerous services to the local community and membership with its more than 200 employees (Yurok Tribe, 2020). The unincorporated community of Klamath is designated as a severely disadvantaged community with an annual mean income of \$42,737 (California Natural Resources Agency, 2018). Similar to the 2013 EA Findings and the 2016 Environmental Update, implementation of the Proposed Project would not result in disproportionate impacts to a minority population as its purpose is to provide additional space to serve as a safe environment for the Tribe to exercise its sovereign rights to self-government including justice actions. Expansion to the existing Justice Center would not introduce significant new economic activity to the County as the Justice Center and surrounding services are already established. Therefore, no adverse socioeconomic effects would result.

Mitigation Measures

No mitigation measures.

3.7 Air Quality & Climate Change

The Tribe has not established air quality standards for development within the Reservation. Therefore, the *de minimis* standards of the Federal General Conformity provisions of the Clean Air Act (CAA) are utilized to assess the potential for adverse impacts to air quality. Since the Original Findings (2013), no updates to the Federal Clean Air Act (CAA) enacted in 1970 and last amended in 1990 have been enacted, which serves the purpose of protecting and enhancing the quality of the nation's air resources to benefit public health, welfare, and productivity (USEPA, 2021). As well, national ambient air quality standards (NAAQS), a basic component of the CAA and its amendments have not been updated since the 2013 EA nor the 2016 Environmental Update. The U.S. Environmental Protection Agency (USEPA), under authority of the CAA, designated six pollutants of primary concern as criteria air pollutants (CAPs): carbon monoxide (CO), sulfur dioxide (SO₂), nitrogen dioxide (NO₂), ozone, lead (Pb), and particulate matter (PM). In accordance with the CAA, a state with nonattainment areas for CAPs within its borders must implement programs and procedures to reach attainment of the NAAQS by a specific timeline as designated by the USEPA. The compilation of these programs and procedures is the State Implementation Plan (SIP). Although California has selected to designate independent ambient air quality standards, these standards are not applicable to trust land, including the Proposed Project.

Construction of the Proposed Project would generate CAP emissions from the operation of heavy equipment and construction machinery, construction worker and vendor trips (mobile sources), and application of architectural coatings (see Appendix D). Construction activities are temporary in nature and would occur intermittently. The North Coast Air Basin (NCAB) is designated as either unclassified or attainment for all CAPs under the NAAQS. Therefore, CAP emissions from the construction of the project alternatives would not conflict with or obstruct the implementation of an applicable air quality plan, cause a violation of NAAQS, or contribute to a projected air quality violation. Operational CAP emission sources would mainly be associated with vehicle use of employees and visitors of the expanded Justice Center (see Appendix D). However, there would be a minimal net increase in operational emissions in the air basin due to the expansion of the Justice Center. The construction and operation emissions associated with the 2,785 square foot expansion of the Justice Center would not adversely impact the State's ability to implement its SIP and would not emit odors detectable in the environment at a level that would adversely impact sensitive receptors, with the nearest sensitive receptor being a residence located approximately 1,000 feet north of the Site. The County does not have a Climate Action Plan and therefore, implementation of the Proposed Project would not impact regional planning in relation to climate change. Greenhouse gas (GHG) emissions associated with the Proposed Project would be related to construction emissions (motor vehicles and materials) and operational emissions (mainly motor vehicles). Construction emissions would be intermittent and limited in scope. The federal GHG emissions reporting threshold of 25,000 metric tons CO₂ equivalent (MT CO₂e) is provided by the EPA in the absence of a federal *de minimis* threshold. Given the size and scope of the expansion of the existing Justice Center, GHG emissions would be significantly less than 25,000 MT CO₂e from construction. Construction and operation of the expanded Justice Center would have a negligible impact on climate change.

Mitigation Measures

No mitigation measures.

3.8 Noise

As the DOJ does not establish noise thresholds for agency actions, as conducted under the 2013 EA and the 2016 Environmental Update, for the purpose of this analysis, criteria established by the Federal Highway Administration (FHWA) were utilized to assess noise-related impacts of the Federal Action. The FHWA establishes Noise Abatement Criteria (NAC) for various land uses that have been categorized based upon activity. The FHWA NAC is based on peak traffic hour noise levels (FHWA, 2017). Sensitive receptors with the potential to be impacted by operation of the project alternatives include residential land uses located north of the Site; thus, Category B 67 dBA, Leq noise standard (for an exterior, evaluation location for residential uses) would apply (Caltrans, 2020). The area surrounding the Site is primarily commercial land with scattered residential land uses north of the Site. The Site is located adjacent to Klamath Boulevard, with traffic on U.S. 101 acting as the primary source of noise in the area. The noise environment at and in the immediate vicinity of the Site is influenced by residential, commercial and tribal activities, heating ventilation and air conditioning systems (HVAC), and noise from the surface roads and parking areas. The traffic volumes on U.S. 101 are 230 vehicles per peak hour at the Klamath U.S. 101 junction (Caltrans, 2017). The ambient noise level within 100 feet of the center line of U.S. 101 is approximately 68 dBA (Del Norte County, 2003).

Temporary noise sources at the Site would be limited to construction activities involving vehicles and equipment. Per Caltrans Technical Noise Supplement, typical noise level of construction equipment that may be used range from 88dB to 80dB at 50 feet (Caltrans, 2013). The nature of the project involves construction equipment to be continuously in motion and not located in a single stationary setting over the span of the construction project. Equipment required for grading and paving of the Justice Center expansion generally does not result in significant levels of ground-borne vibration or ground-borne noise levels, nor would the project create a substantial increase in ambient noise levels. With implementation of **Mitigation Measures NOI-1** and **NOI-2** under the 2013 EA and the 2016 Environmental Update, construction related noise impacts would be minimal. With the development of the Justice Center expansion, the traffic volumes in the project vicinity would not increase significantly as justice operations are currently conducted in the existing Justice Center and adjacent Tribal Administration Building. Additional traffic generated by the Justice Center expansion would result in a minimal impact to the existing ambient noise environment. Noise sources during operation of the Justice Center expansion would include operation of HVAC equipment. The Justice Center expansion HVAC noise would not be greater than the HVAC noise generated by the existing Justice Center nor the adjacent Tribal Administration Building, thus resulting in a minimal impact associated with the ambient noise environment.

Mitigation Measures

NOI-1: Through contractual obligation, the Tribe shall limit construction activities for the Proposed Project to between 7:00 A.M. and 7:00 P.M., to the extent feasible and reasonable.

NOI-2: Construction crews shall utilize the best available noise control techniques and shall place stationary construction equipment as far from sensitive noise receptors as possible.

3.9 Public Services and Utilities

Similar to the 2013 EA Findings and the 2016 Environmental Update, construction of the Justice Center expansion would introduce additional potential sources of fire to the Site that could result in the need for fire-fighting services if the fire were to spread. During construction, equipment

and vehicles may come in contact with vegetation, which could spark and ignite, leading to fires requiring responses from qualified fire protection services, the Klamath Fire Protection District (KFPD). The KFPD has mutual aid agreements with each of the other four Fire Protection Districts in Del Norte County, as well as Crescent City Fire, the National Park Service, CAL FIRE, and the USFS. However, these risks would be minimized by standard operating procedures for construction activities. Therefore, construction of the Justice Center expansion would not require an increase in responses from fire protection services to the extent that any new or alteration of their existing fire protection facilities would be required.

Operation of the expanded Justice Center would not result in a significant increase in demands on local law enforcement, the Yurok Tribal Police and the Del Norte Sheriff's Department, from increased traffic and visitors to the Site, as justice operations are currently conducted at the existing Justice Center and adjacent Tribal Administration Building. Operation of the expanded Justice Center would not adversely affect local schools and therefore, an increase in school children is not expected; therefore, the construction of new schools would not be necessary, and there would be no associated physical impacts to the school systems in the vicinity of the Site. Electric service would be supplied by Pacific Power and Light, where the Site contains existing infrastructure to allow connection of the Justice Center expansion to the power grid. Upgrades to the existing transformer may be necessary to accommodate the additional power loads. Solid waste service would continue to be provided by Del Norte Disposal, the Del Norte County solid waste management agency, providing commercial solid waste collection and commercial recycling for paper and corrugated cardboard.

Operation of the expanded Justice Center would not result in a substantial increase in solid waste generation as the existing operations are conducted in the existing Justice Center and adjacent Tribal Administration Building. In addition, the project would not affect County diversion goals because Tribal land is classified as out-of-state waste and is not calculated in local waste diversion statistics. Development of the project alternatives would result in an increase in wastewater discharge to the Klamath Community Services District (KCSD), since wastewater generated during current tribal justice operations is treated within the existing Justice Center and Tribal Administration Building's on-site septic system. It is not anticipated that the implementation of the Proposed Project would adversely impact existing wastewater conveyance or treatment systems nor require the development of new wastewater conveyance/treatment facilities. Potable water would be supplied by existing KCSD facilities, consistent with existing operations conducted at the existing Justice Center and Tribal Administration Building. Per Del Norte LAFCo, the Klamath CSD's water system adequately serves the existing connections with no major deficiencies (LAFCo, 2016). Therefore, there would be no net increase in water demand on the KCSD water supply system under the Proposed Project and would not adversely impact existing water supply facilities nor require the development of new water facilities. Therefore, a less-than-significant impact to public services and utilities would occur.

Mitigation Measures

No mitigation measures.

3.10 Biological Resources

Adverse Effects to Special Status Species

As determined under the 2013 EA Findings and the 2016 Environmental Update, the Proposed Project is also not anticipated to adversely affect special status species because none are

known to occur within the Site as it is currently in use as additional parking for the existing Justice Center and does not provide habitat. Therefore, implementation of the Proposed Project would not adversely impact special status species (see Appendix E USFWS Consultation Letter). Therefore, no mitigation is required.

Adverse Effects to Sensitive Biological Communities

The Site has been previously disturbed and is currently used as additional parking for the existing Justice Center with two (2) paved ADA-compliant parking spaces, limited vegetation, and native construction fill and gravel, which do not constitute a sensitive biological community. Therefore, implementation of the Proposed Project would not adversely affect sensitive biological communities and no mitigation is required.

Adverse Effects to Potential Waters of the U.S.

There are no potential waters of the U.S. within the development boundaries or areas of disturbance of the Proposed Project. As previously mentioned, the Klamath River is located within one mile of the Site, though the Site is located outside of the Klamath River's floodplain. In addition, no wetlands listed in the National Wetland Inventory are present at the Site (see Appendix F National Wetlands Inventory). Accordingly, implementation of the Proposed Project would not adversely impact potential waters of the U.S. and no mitigation is required.

Adverse Effects to Migratory Birds

Grading and construction activities associated with the construction of the Proposed Project have the potential to result in the disturbance of nesting habitat for migratory birds and other birds of prey. Nesting habitat for migratory birds and other birds of prey, protected under the Migratory Bird Treaty Act (MBTA), may include the tree to the east of the Proposed Project site (see Appendix A). Potential disruption of nesting migratory birds and other birds of prey during construction could result in nest abandonment or mortality. Likewise, increased human activity and traffic, elevated noise levels, and operation of machinery could also impact birds if their nests are located within the vicinity of development areas. If construction activities are anticipated to begin during the nesting season for birds of prey and migratory birds, or if any active nests are identified within 100 feet of the Site, with the implementation of **Mitigation Measure BIO-1** and **BIO-2** under the 2013 EA and the 2016 Environmental Update, the Proposed Project would have minimal adverse impacts to migratory birds.

Mitigation Measures

BIO-1: A preconstruction survey shall be conducted by a qualified biologist within 14 days prior to commencement of construction activities if construction is anticipated to begin during the nesting season for birds of prey and migratory birds (between March 1 and September 15). The biologist shall document and submit the results of the preconstruction survey in a letter to the Tribe within 30 days following the survey for their records. If no active nests or roosts are identified during the preconstruction survey, then no further mitigation is required so long as construction commences within 14 days of the preconstruction survey and so long as there are no lapses in construction for more than 14 days.

BIO-2: If any active nests are identified within 100 feet of the Site, a buffer zone will be established around the nests. The qualified biologist will monitor the nest on a daily or weekly basis depending on the nests proximity to construction activities, the types of equipment being used, and types of construction activities that are occurring. The biologist will delimit the buffer zone with construction tape or pin flags and maintain the buffer zone until the end of the

breeding season or until the young have successfully fledged. The biologist will have the authority to halt work if the nestlings within the active nest appear disturbed.

3.11 Cultural Resources

The Site of the Proposed Project consists of limited vegetation and native construction fill and gravel and is currently used as additional parking for the existing Justice Center, with two (2) paved ADA-compliant parking spaces. As indicated in the 2013 EA Findings and the 2016 Environmental Update, based upon the study performed by Yurok Tribal Archeologist Rosie Clayburn in 2013, the findings and recommendations were subject to the Yurok Tribal Heritage Preservation Office (THPO). As well, they were subject to the review and a final determination of effect by the DOJ and the Yurok Tribe Tribal Historic Preservation Officer (THPO) for a concurrence for compliance with Section 106 of the National Historic Preservation Act (NHPA) of No Adverse Affect per 36 CFR 800 with protection measures for the Justice Center.

Consultation with the Tribal Historical Preservation Officer (THPO) was initiated on January 19, 2021 for the expansion of the Justice Center for review and concurrence for compliance with Section 106 of the National Historic Preservation Act (NHPA). THPO's response was received on March 1, 2021 with the determination that based on the Tribe's Phase I and Phase II Environmental Assessments, Cultural Reports, and review by the Yurok Tribal Heritage Preservation Officer No Adverse Effect per CFR 800 with protection measures incorporated for the Proposed Project is anticipated (see Appendix G Correspondence Involving the THPO). With the implementation of **Mitigation Measures CUL-1 and CUL-2** as indicated under the 2013 EA and the 2016 Environmental Update, the Proposed Project would have minimal adverse impact to cultural resources.

Mitigation Measures

CUL-1: A Cultural Resource Monitoring from the Yurok Tribe shall be present during construction activities disturbing soil greater than five feet deep.

CUL-2: At the request of the Yurok THPO and Native American Graves Protection and Repatriation Act (NAGPRA) Programs, the Yurok Protocol for Inadvertent Discovery shall be followed at all times during project implementation.

3.12 Visual Resources

As indicated in the 2013 EA Findings and the 2016 Environmental Update, the Proposed Project is centrally located in a commercially zoned area, where surrounding properties consist of multi-level buildings, the existing Justice Center, and other commercial facilities. The proposed design is consistent with other local commercial facilities already existing along the U.S. 101 corridor. Architectural themes, building materials, and colors used for the Proposed Project will be complimentary to the existing Justice Center and Tribal Administration Building (see Appendix B). Landscaping will be used to tie the aesthetics of the Proposed Project to the surrounding natural environment and the adjacent Tribal offices. Expansion of the existing Justice Center would be conducted on previously disturbed land; therefore, implementation of the Proposed Project would not result in the disturbance of trees, rock outcroppings, historic buildings, or scenic highways. Although the exterior lighting for the Proposed Project will increase the nighttime illumination, the existing Justice Center and neighboring properties also contain exterior parking lot style lighting. Nighttime lighting directly related to the Proposed Project's building would consist of landscape lighting, wall/building mounted lighting, and other similar lighting used to highlight the Proposed Project with minimal impact to surrounding receptors. Therefore,

a less-than-significant impact to visual resources would occur.

Mitigation Measures

No mitigation measures.

4.0 CUMULATIVE IMPACTS

NEPA guidance documents require the evaluation of environmental consequences including cumulative impacts. Cumulative impacts are broadly defined as those that “result from the incremental impacts of an action when added to other past and reasonably foreseeable future actions” (40 CFR 1508.7). Cumulative impacts by their nature can be difficult to identify and quantify. This section accounts for past actions within the Yurok Tribe, and factors in the foreseeable future as well as the direct consequences of a proposed action. The construction of the Proposed Project on the subject parcel is contemplated as a future action.

Growth-inducing effects are defined as effects that foster economic or population growth, either directly or indirectly. Direct growth inducement could result, for example, if a project included the construction of a new residential development. Indirect growth inducement could result if a project established substantial new permanent employment opportunities (e.g., new commercial, industrial, or governmental enterprises) or if it removed obstacles to population growth (e.g., expansion of water and wastewater infrastructure to increase the service availability).

The County of Del Norte as of 2021 has an estimated population of 27,956 with a growth rate of 0.26 percent in the past year based on the most recent U.S. census data, although since the 2010 census was conducted, the County has seen a decline in population of 2.14 percent (World Population Review, 2021). Klamath, an unincorporated, rural census-designated place, as of 2018 had a population of 617 and had seen a decline in population of 14.5 percent (Data USA, No Date). The Yurok Tribe is currently the largest Tribe in California, with more than 5,000 enrolled members, providing numerous services to the local community and membership with its more than 200 employees (Yurok Tribe, 2020).

Current projects underway that will serve the Yurok Tribe include: the Ke-nek Administration Building; the Transportation Program Building at Tulley Creek; the Requa Water Distribution Line and Tank Replacement; the Wautec Home and Facility Electrification Project; Continuing Bald Hills Paving; and the Klamath Water Storage Tank for drought purposes (Yurok Tribe, 2020).

The following cumulative impacts and the associated mitigation measures are projected to occur because of the proposed undertaking and those in the immediate vicinity. In all cases, no significant impacts to the environment are expected.

4.1 Land Resources

The Proposed Project will be developed on a previously disturbed parcel that currently provides additional parking spaces for the existing Justice Center. The Site features flat topography and soil type that is generally suited for urban development. Re-grading and earthmoving activities will be limited with the implementation of BMPs, concluding that no mitigation is necessary for the Proposed Action. Therefore, the proposed behavior will not have cumulative impacts on the Site’s topography.

There are currently no other foreseeable on or off-reservation projects in the immediate vicinity that would cause impacts that would combine with the impacts of the Proposed Project to create cumulatively considerable off-reservation impacts related to geology and soils. There are no mineral resources on or the near the Site. Therefore, the Proposed Project would not have a

cumulatively considerable impact with respect to geology, soils, and mineral resources. With the implementation of **Mitigation Measure LR-1**, the Proposed Project's adverse impact relating to seismic hazards would be reduced. Therefore, implementation of the Proposed Project would not result in cumulatively considerable impacts to land resources.

4.2 Land Use and Associated Resources

There are currently no other foreseeable on or off-reservation projects in the immediate vicinity that would cause impacts that would combine with the impacts of the Proposed Project to create cumulatively considerable off-reservation impacts related to land use associated resources. The Proposed Project is consistent with the County's General Plan designation, although it does not apply to trust land. Impacts to regional housing and recreational facilities would be minimal as justice operations are currently conducted at the existing Justice Center and adjacent Tribal Administration Building and are therefore not cumulatively considerable. There are no designated agricultural resources within the vicinity of the Proposed Project. Implementation of the Proposed Project would not result in cumulatively considerable impacts to land use and associated resources and no mitigation is required.

4.3 Water Resources

In general, urbanization has a direct impact on water resources and water quality. Development of the Proposed Project would occur on previously disturbed land and would not result in an increase in stormwater runoff. Development of regional projects disturbing greater than one acre requires coverage under the appropriate NPDES General Construction Permit. In addition, development on Tribal lands requires the lead Tribal agency to obtain a water quality permit from the Yurok Tribal Environmental Program. There are currently no other foreseeable on or off-reservation projects in the immediate vicinity that would cause impacts that would combine with the impacts of the Proposed Project to create cumulatively considerable off-reservation impacts related to water resources. Therefore, development of the Proposed Project would not result in cumulatively considerable impacts to water resources and no mitigation is required.

4.4 Transportation

Operation of the Proposed Project would result in a minimal increase in transportation activity from expanded Tribal justice activities. With a majority of the current Tribal justice activities provided at the existing Justice Center and adjacent Tribal Administration Building, minimal changes to the transportation network would result from the Proposed Project. Parking losses related to the expansion of the existing Justice Center would be offset from the existing parking lot to the north, parking developed to support the adjacent casino, and street side parking. There are currently no other foreseeable on or off-reservation projects in the immediate vicinity that would cause impacts that would combine with the impacts of the Proposed Project to create cumulatively considerable off-reservation impacts related to transportation. The proposed project is not expected to result in cumulative changes related to circulation and traffic. Therefore, development of the Proposed Project would not result in cumulatively considerable impacts to the regional transportation network and no mitigation is required.

4.5 Public Health and Safety

As previously mentioned, per DTSC and SWRCB, the Proposed Project does not have any known contamination and is not located within 1,000 feet of any active cleanup sites or hazardous waste facilities. With construction of the Proposed Project, limited quantities of miscellaneous hazardous substances such as fuels, solvents, oils, and paint would be used and

stored at the Site, and would have the potential for an accidental release, posing a hazard to the public and to the environment. If properly used, stored, and disposed of, these materials would not be a hazard to the public or the environment. The Proposed Project would require an evaluation as to potential hazardous materials risks and threat to public safety and follow federal laws and Tribal ordinances pertaining to hazards and hazardous materials. As such, the development of the Proposed Project does not have the potential to increase the risk for accidental release of hazardous materials. There are currently no other foreseeable on or off-reservation projects in the immediate vicinity that would cause impacts that would combine with the impacts of the Proposed Project to create cumulatively considerable off-reservation impacts related to public health and safety. Therefore, through full compliance with federal laws and Tribal Ordinances pertaining to hazardous materials, impacts associated with hazards and hazardous materials would not be cumulatively considerable, and no mitigation is required.

4.6 Socioeconomic Conditions/Environmental Justice

The Proposed Project would not impact minorities and/or low-income families. The proposed action will solve the Tribe's need for additional space that is adequate to meet the needs of the Yurok Tribal Police program and the communities that they serve, fostering the Tribe's goal of self-determination involving justice programs. Therefore, development of the Proposed Project would not result in cumulatively considerable impacts to the socioeconomic conditions and environmental justice of the region or disproportionately affect low-income or minority populations, and no mitigation is required.

4.7 Air Quality and Climate Change

The air basin is currently in attainment or unclassified for all CAPs and considering the relatively minor increase in emissions attributed to regional tribal projects, implementation of the Proposed Project would not result in cumulatively considerable impacts to regional air quality and no mitigation is required.

4.8 Noise

Operation of the proposed project will generate noise mainly in the form of additional vehicles traveling to the expanded Justice Center. As compared to existing noise levels due to surrounding uses such as the existing Justice Center and adjacent casino and Tribal Administration Building, any increase in noise due to additional vehicles traveling to the Site will be minimal. Temporary noise sources at the Site would be limited to construction activities involving vehicles and equipment. With implementation of **Mitigation Measures NOI-1 and NOI-2**, construction related noise impacts would be minimal. The Proposed Project would not place a noise source in the vicinity of noise sensitive receptors or substantially increase traffic on nearby roadways. Therefore, the Proposed Project would not contribute to adverse cumulative impacts associated with the ambient noise level.

4.9 Public Services and Utilities

The Proposed Project would not impact public services as justice operations are currently being conducted in the existing Justice Center and adjacent Tribal Administration Building and adequate public service capacities are available to meet the needs of the Proposed Project. There will be no cumulative impacts on the following public services and utilities: fire protection and emergency medical services; law enforcement services; local schools; solid waste management and disposal activities; gas and electric services; telephone and other communication services; domestic drinking water services; and wastewater services. The incremental demand of the Proposed Project on the demand for public services and utilities will

not cause the existing capacity to become inadequate. No mitigation is required.

4.10 Biological Resources

Impacts to the biological environment occur incrementally through destruction of habitat. Since the region is either developed or at least disturbed from previous urban uses such as the adjacent casino and Tribal Administration Building as well as the existing Justice Center proposed for expansion, the potential for major impacts is limited. The Proposed Project would not result in the take or destruction of habitat of a federally listed special status species. With the implementation of **Mitigation Measures BIO-1** and **BIO-2**, impacts to migratory birds from the implementation of the Proposed Project would be minimized. Therefore, implementation of the Proposed Project would not result in cumulatively considerable impacts to biological resources.

4.11 Cultural Resources

Based upon the study findings, it was proposed that the Yurok Tribe request that the Yurok Tribal Heritage Preservation Office (THPO) concur with the determination of No Adverse Affect per CFR 800 with protection measures for the location of the Justice Center expansion. The determination was accepted by the Yurok THPO. With the implementation of **Mitigation Measures CUL-1** and **CUL-2**, the Proposed Project would have minimal adverse impact to cultural resources. Other regional development projects would implement site-specific mitigation measures in accordance with the requirements of NEPA or CEQA to address cultural resources, thereby reducing the potential for cumulatively significant impacts. The Proposed Project is not anticipated to impact eligible or listed historic properties off or on the Site and thus the cumulative impacts to this impact category are not significant.

4.12 Aesthetics

The Proposed Project would not contribute to a cumulative impact associated with an off-reservation scenic vista or damage to off-reservation scenic resources as there are no off-reservation properties within the vicinity of the Site. The Proposed Project will be aesthetically designed to complement the existing Justice Center, Tribal Administration Building, and other surrounding commercial development, thereby minimizing aesthetic impacts to the region. Therefore, implementation of the Proposed Project would not result in cumulatively considerable impacts to visual resources and no mitigation is required.

5.0 CONSULTATION AND COORDINATION

The following agencies have been contacted and/or provided a copy of the Environmental Assessment:

Lead Agency:

U.S. Department of Justice
Orbin L. Terry, NEPA Coordinator
810 Seventh Street, NW
Washington, DC 20531
Phone: (202) 307-3134 Fax: (202) 305-1367

Agencies:

United States Department of the Interior
Fish and Wildlife Service
Arcata Fish and Wildlife Office
1655 Heindon Road
Arcata, CA 95521-4573
Phone: (707) 822-7201 Fax: (707) 822-8411

Applicant:

Yurok Tribe, Planning & Community
Development
Cynthia Bones, Planner III
190 Klamath Boulevard
Klamath, CA 95548
Phone: (707) 482-1350

Environmental Consultants:

LACO Associates
21 W. 4th Street
Eureka, CA 95501
Phone: (707) 443-5054
www.lacoassociates.com

Yurok Tribal Cultural Consultants:

Rosie Clayburn, Acting Cultural Resource
Manager
190 Klamath Boulevard
Klamath, CA 95548
Phone: (707) 482-1350

LACO Associates Staff:

Cameron Purchio, BS – Associate Planner
Samantha Thomas, BA - Associate Planner

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Figure 1
Regional Location Map

LACO

EUREKA • UKIAH • SANTA ROSA

1-800-515-5054 www.lacoassociates.com

| | | | | | |
|----------|--|-------|--------|---------|---------|
| PROJECT | Yurok Justice Center | BY | CRG | FIGURE | 1 |
| CLIENT | Yurok Tribe Planning and Community Development | CHECK | SCT | | |
| LOCATION | 230 Klamath Boulevard, Klamath, CA | DATE | 2/9/21 | JOB NO. | 7105.34 |
| | Regional Location Map | | | | |



Figure 2
Site and Vicinity Map

LACO

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PROJECT Yurok Justice Center

CLIENT Yurok Tribe Planning and Community Development

LOCATION 230 Klamath Boulevard, Klamath, CA

Site and Vicinity Map

BY CRG

CHECK SCT

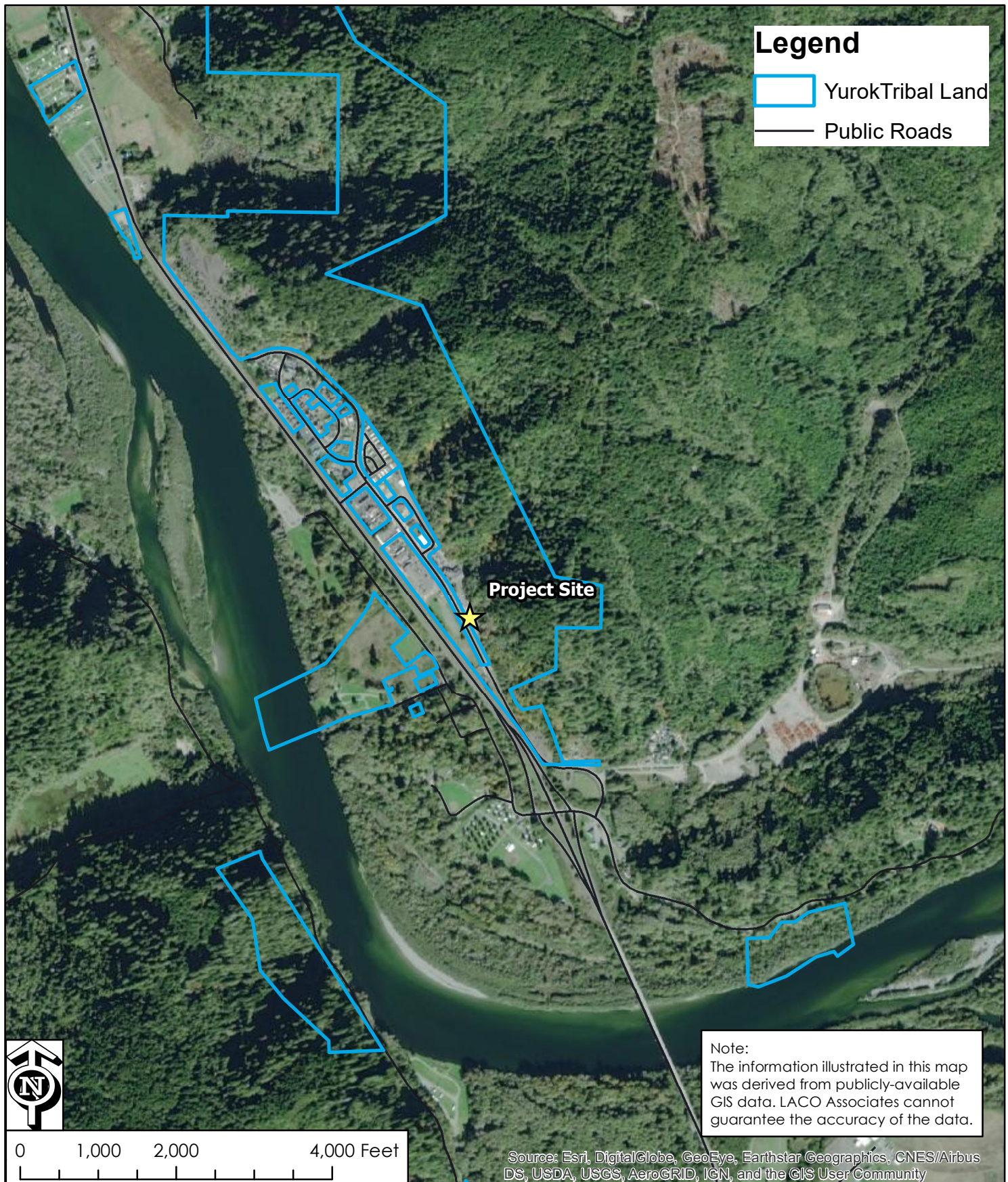
DATE 2/9/21

FIGURE

2

JOB NO.

7105.34



Date: 2/9/2021 Time: 12:54:26 PM

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Appendix A Existing Conditions Field Visit

Yurok Tribal Justice Center, Phase III**Existing Conditions – Field Visit**

232 Klamath Boulevard, Klamath, California

APN 140-091-003

Wednesday, January 13, 2021

- The Site primarily consists of compacted road base and is used as a parking area. Area immediately adjacent to sidewalk and Klamath Boulevard is concrete and contains two (2) ADA compliant vehicle parking spaces.
- The Site is generally flat, with a slight slope from east to west and north to south (NE to SW).
- The eastern edge of the Site contains a constructed drainage at the toe of the slope. The area directly east of the Site is very steep (an approximately 75 percent slope) and slopes towards the Site. Flow is transported by the channel located south and offsite.
- The south side of the Site (immediately adjacent to the existing structure) is slightly depressed and contains two (2) stormwater drains, each approximately 1-foot by 1-foot.
- The north side of the Site is bordered by an existing chain link fence and asphalt parking lot on the adjacent parcel.
- The eastern drainage berm is vegetated primarily by *Foeniculum sp.* and *Rubis sp.* with some *Rumex sp.* present in small amounts.
- The northern wall of the existing Justice Center (south edge of the Site) contains various utility items. These include fuse box and meter, security system components, lighting, roof stormwater drains, and a single door to provide access from the Site, which is currently used as a parking area.
- Access to the Site from Klamath Boulevard contains overhead utility lines.



Figure 1 Site as viewed from Klamath Boulevard (looking east)



Figure 2 Site as viewed from northeast corner (looking southwest)



Figure 3 Site access from Klamath Boulevard (looking north)



Figure 4 Drainage channel at toe of slope on eastern edge of Site (looking north)



Figure 5 Drainage channel view showing channel depth (looking north)



Figure 6 South wall of existing structure showing irrigation valve box, stormwater drains, and various utilities on the north wall of the existing structure (looking west)



Figure 7 Site access from Klamath Boulevard showing overhead utility lines (looking north)

Appendix B
Yurok Justice Center Phase III Plans

YUROK JUSTICE CENTER - PHASE II

KLAMATH, CALIFORNIA

26 February 2019




WORTHGROUP
ARCHITECTS & DESIGNERS

900 SOUTH BROADWAY, SUITE 150
DENVER, COLORADO 80209
303-649-1095
FAX 303-649-1098
9400 GATEWAY DRIVE, SUITE B
RENO, NEVADA 89521-8993
775-852-3977
FAX 775-852-6543
www.worthgroup.com

PROFESSIONAL SEAL:
**NOT FOR
CONSTRUCTION**

CONSULTANT:

CLIENT/PROJECT:

**YUROK JUSTICE
CENTER**
PHASE III
Owner
KLAMATH, CALIFORNIA

| REVISIONS | | |
|-----------|------|-------------|
| NO. | DATE | DESCRIPTION |

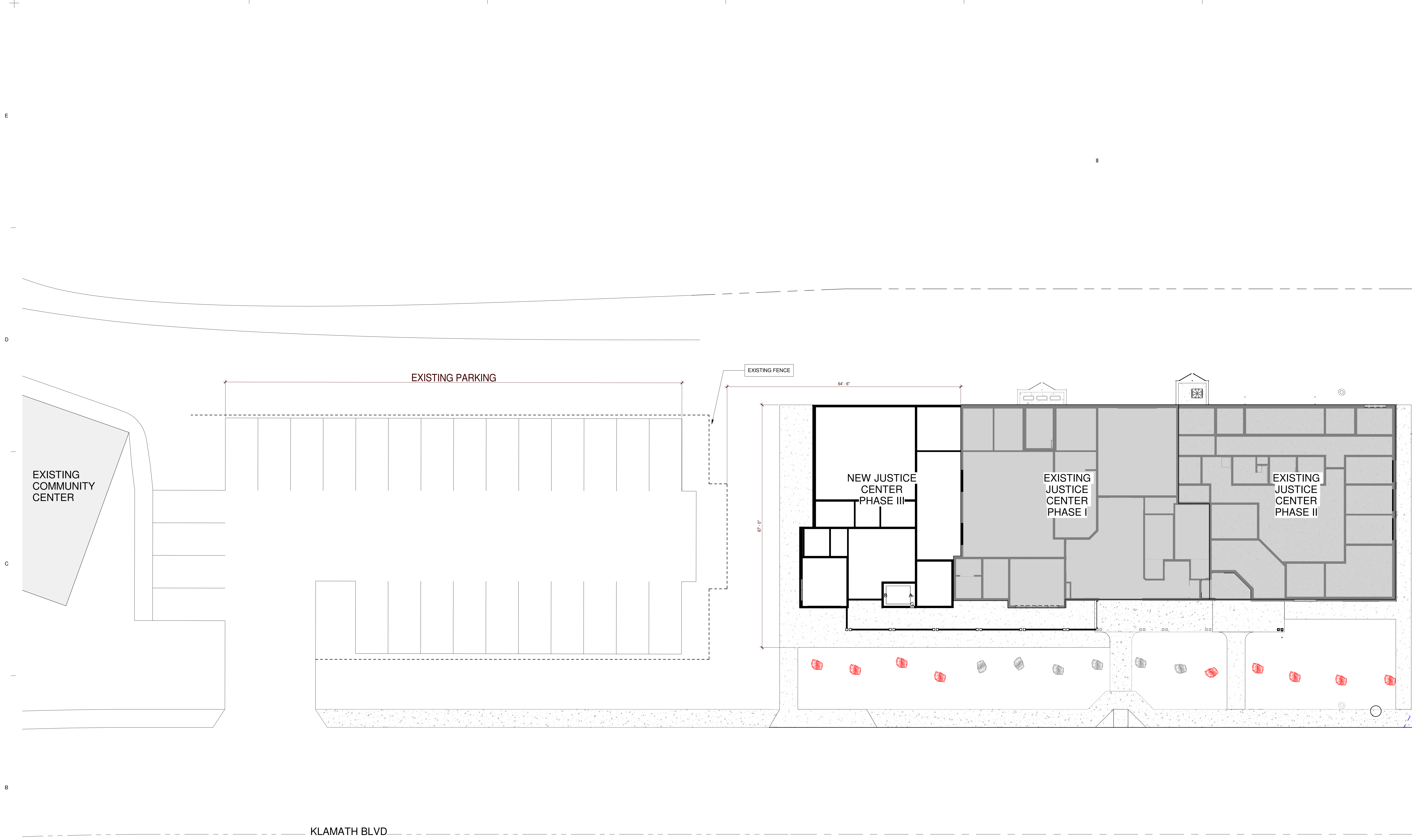
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COVER SHEET/
RENDERING

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DRAWING SCALE: WGA PROJECT NUMBER:
16-208

PROGRESS DATE:
26 February 2019

SHEET NUMBER:
00



1 SITE PLAN
A-401/01 SCALE: 3/32" = 1'-0"




WORTHGROUP
ARCHITECTS & DESIGNERS

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PROFESSIONAL SEAL:
**NOT FOR
CONSTRUCTION**

CONSULTANT:

CLIENT/PROJECT:

**YUROK JUSTICE
CENTER**
PHASE III
Owner
KLAMATH, CALIFORNIA

| REVISIONS | | |
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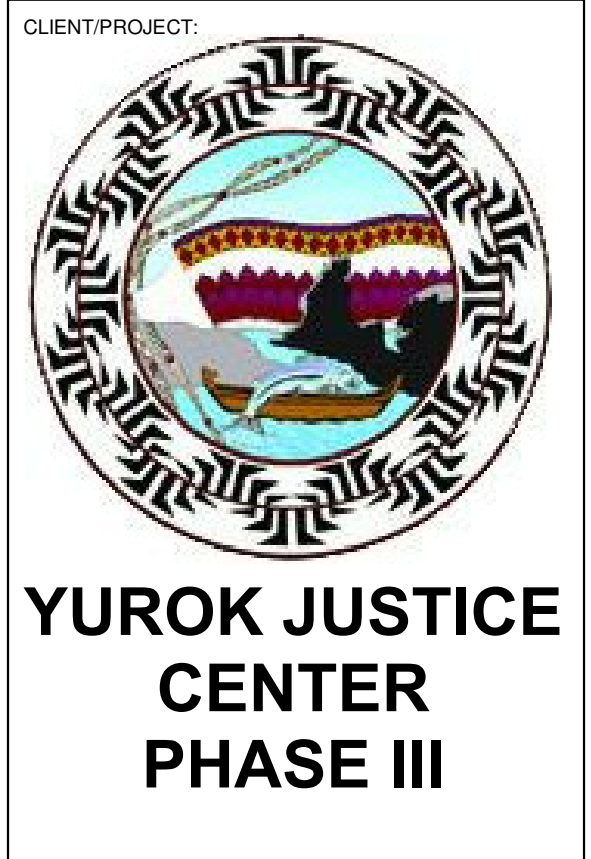
SHEET DESCRIPTION
SITE PLAN

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| DRAWING SCALE: | WGA PROJECT NUMBER: |
| 3/32" = 1'-0" | 16-208 |
| PROGRESS DATE: | |
| 26 February 2019 | |
| SHEET NUMBER: | |
| 01 | |

PROFESSIONAL SEAL:
**NOT FOR
CONSTRUCTION**

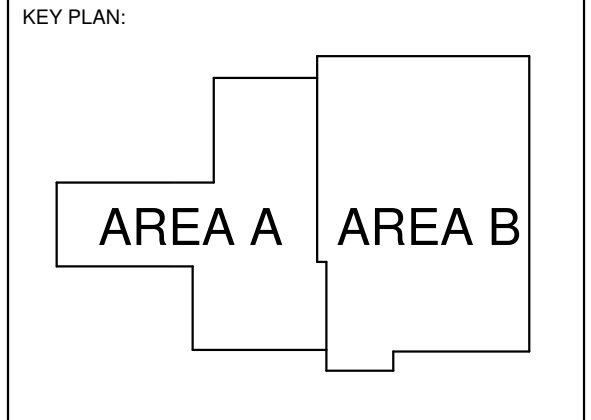
PROJECT CONSULTANT:



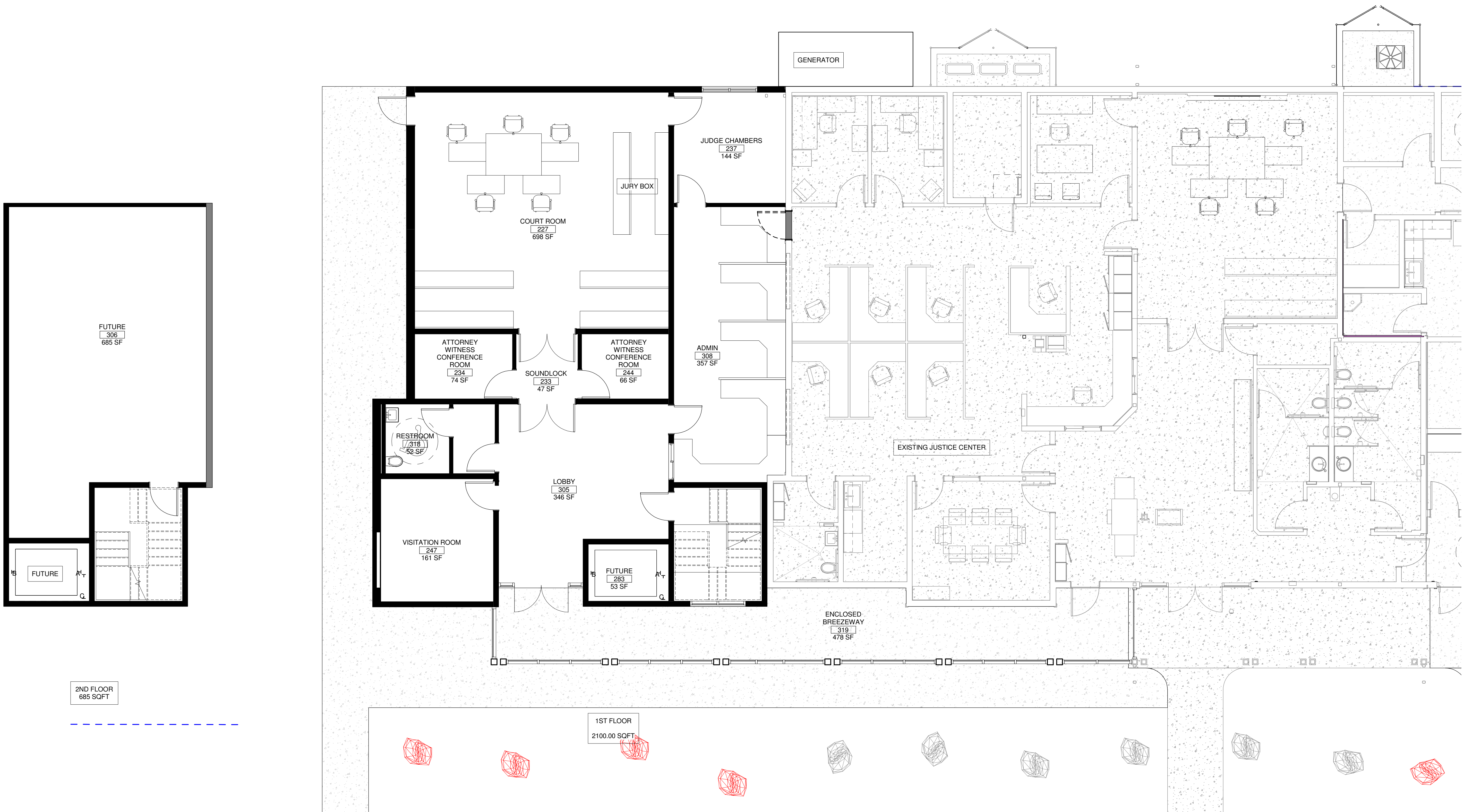
| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
| | | |

SHEET DESCRIPTION:
FLOOR PLAN

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| | |
|--|--------------------------------------|
| DRAWN BY: 3/16 | WGA PROJECT NUMBER: 16-208 |
| PRELIMINARY PRINT DATE: 26 February 2019 | SHEET NUMBER: 02 |



1 OPTION 1
A-401 02 SCALE: 3/16" = 1'-0"

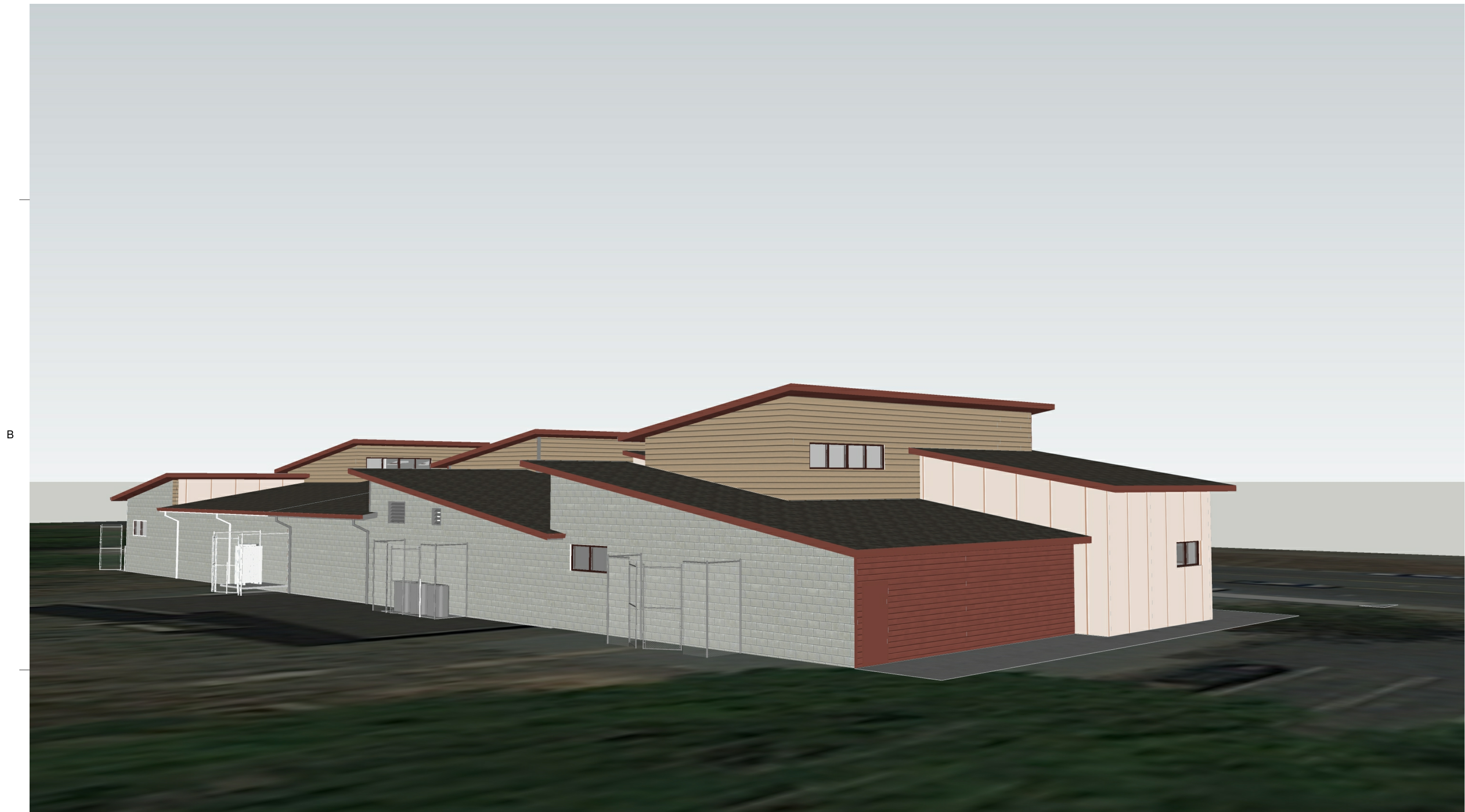
E

D

C

B

A




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CONSULTANT:

CLIENT/PROJECT:

**YUROK JUSTICE
CENTER**
PHASE III
Owner
KLAMATH, CALIFORNIA

| REVISIONS | | |
|-----------|------|-------------|
| NO. | DATE | DESCRIPTION |

SHEET DESCRIPTION
RENDERS

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DRAWING SCALE: WGA PROJECT NUMBER:
16-208

PROGRESS DATE:
26 February 2019

SHEET NUMBER:
03

Appendix C FIRM Panel Map

National Flood Hazard Layer FIRMette



124°2'33"W 41°31'56"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

| | | |
|-----------------------------|--|---|
| SPECIAL FLOOD HAZARD AREAS | | Without Base Flood Elevation (BFE) Zone A, V, A99 |
| | | With BFE or Depth Zone AE, AO, AH, VE, AR |
| | | Regulatory Floodway |
| OTHER AREAS OF FLOOD HAZARD | | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X |
| | | Future Conditions 1% Annual Chance Flood Hazard Zone X |
| | | Area with Reduced Flood Risk due to Levee. See Notes. Zone X |
| | | Area with Flood Risk due to Levee Zone D |
| OTHER AREAS | | NO SCREEN Area of Minimal Flood Hazard Zone X |
| | | Effective LOMRs |
| | | Area of Undetermined Flood Hazard Zone D |
| GENERAL STRUCTURES | | Channel, Culvert, or Storm Sewer |
| | | Levee, Dike, or Floodwall |
| OTHER FEATURES | | 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation |
| | | 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation |
| | | Coastal Transect |
| | | Base Flood Elevation Line (BFE) |
| | | Limit of Study |
| | | Jurisdiction Boundary |
| | | Coastal Transect Baseline |
| MAP PANELS | | Digital Data Available |
| | | No Digital Data Available |
| | | Unmapped |



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **2/8/2021 at 1:49 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Appendix D CalEEMod Model Results

Yurok Justice Center - Phase III - Del Norte County, Annual

Yurok Justice Center - Phase III

Del Norte County, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------|------|----------|-------------|--------------------|------------|
| Government Office Building | 2.79 | 1000sqft | 0.06 | 2,785.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|-------------------------|--------------------------------|-------------------------|-------|---------------------------|-------|
| Urbanization | Rural | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 113 |
| Climate Zone | 14 | | | Operational Year | 2021 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 641.35 | CH4 Intensity (lb/MWhr) | 0.029 | N2O Intensity (lb/MWhr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project involves expanding the functions of the Tribal Court and Yurok Tribe Public Safety Department. Approximately 2,785 square feet of space will be added.

Construction Phase - Default assumptions. No demolition would be required.

Off-road Equipment - No demolition would be required.

Off-road Equipment - Default assumptions.

Off-road Equipment - Default assumptions.

Off-road Equipment - Default assumptions.

Off-road Equipment - Default assumptions.

Off-road Equipment - Default assumptions.

Yurok Justice Center - Phase III - Del Norte County, Annual

Grading - Default assumptions.

Demolition - No demolition would be required.

Trips and VMT - Default assumptions.

On-road Fugitive Dust - Default assumptions.

Architectural Coating - Default assumptions.

Vehicle Trips - Default assumptions.

Vehicle Emission Factors - Default assumptions.

Vehicle Emission Factors - Default assumptions.

Vehicle Emission Factors - Default assumptions.

Road Dust - Default assumptions. Assumes mean vehicle speed on unpaved roads would be limited to 15 mph.

Woodstoves - N/A

Consumer Products - Default assumptions.

Area Coating - Default assumptions.

Landscape Equipment - Default assumptions.

Energy Use - Default assumptions.

Water And Wastewater - Default assumptions.

Solid Waste - Default assumptions.

Construction Off-road Equipment Mitigation - Assumes soil stabilizer for unpaved roads, ground cover of area disturbed would be replaced, exposed areas would be watered twice per day, and mean vehicle speed on unpaved roads would be reduced to 15 mph, as necessary.

Mobile Land Use Mitigation - N/A

Mobile Commute Mitigation - N/A

Area Mitigation - Assumes low VOC cleaning supplies and paint would be utilized.

Energy Mitigation - Assumes high efficiency lighting would be installed.

Water Mitigation - Assumes installation of low-flow fixtures and that water-efficiency landscape and irrigation systems would be utilized.

Waste Mitigation - Assumes recycling and composting would occur.

Yurok Justice Center - Phase III - Del Norte County, Annual

| Table Name | Column Name | Default Value | New Value |
|---------------------------|------------------------------|---------------|-----------|
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False | True |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 10.00 | 0.00 |
| tblConstructionPhase | PhaseEndDate | 10/4/2021 | 9/20/2021 |
| tblConstructionPhase | PhaseEndDate | 9/20/2021 | 9/6/2021 |
| tblConstructionPhase | PhaseEndDate | 4/28/2021 | 4/14/2021 |
| tblConstructionPhase | PhaseEndDate | 5/3/2021 | 4/19/2021 |
| tblConstructionPhase | PhaseEndDate | 9/27/2021 | 9/13/2021 |
| tblConstructionPhase | PhaseEndDate | 4/29/2021 | 4/15/2021 |
| tblConstructionPhase | PhaseStartDate | 9/28/2021 | 9/14/2021 |
| tblConstructionPhase | PhaseStartDate | 5/4/2021 | 4/20/2021 |
| tblConstructionPhase | PhaseStartDate | 4/30/2021 | 4/16/2021 |
| tblConstructionPhase | PhaseStartDate | 9/21/2021 | 9/7/2021 |
| tblConstructionPhase | PhaseStartDate | 4/29/2021 | 4/15/2021 |
| tblLandUse | LandUseSquareFeet | 2,790.00 | 2,785.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblProjectCharacteristics | UrbanizationLevel | Urban | Rural |
| tblRoadDust | MeanVehicleSpeed | 40 | 15 |
| tblTripsAndVMT | WorkerTripNumber | 0.00 | 10.00 |

2.0 Emissions Summary

Yurok Justice Center - Phase III - Del Norte County, Annual

2.1 Overall Construction**Unmitigated Construction**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|---------|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2021 | 0.0758 | 0.4322 | 0.4041 | 6.4000e-004 | 2.3000e-003 | 0.0241 | 0.0264 | 7.8000e-004 | 0.0222 | 0.0230 | 0.0000 | 55.7144 | 55.7144 | 0.0173 | 0.0000 | 56.1477 |
| Maximum | 0.0758 | 0.4322 | 0.4041 | 6.4000e-004 | 2.3000e-003 | 0.0241 | 0.0264 | 7.8000e-004 | 0.0222 | 0.0230 | 0.0000 | 55.7144 | 55.7144 | 0.0173 | 0.0000 | 56.1477 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|---------|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2021 | 0.0758 | 0.4322 | 0.4041 | 6.4000e-004 | 1.7400e-003 | 0.0241 | 0.0258 | 5.4000e-004 | 0.0222 | 0.0227 | 0.0000 | 55.7143 | 55.7143 | 0.0173 | 0.0000 | 56.1476 |
| Maximum | 0.0758 | 0.4322 | 0.4041 | 6.4000e-004 | 1.7400e-003 | 0.0241 | 0.0258 | 5.4000e-004 | 0.0222 | 0.0227 | 0.0000 | 55.7143 | 55.7143 | 0.0173 | 0.0000 | 56.1476 |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 24.35 | 0.00 | 2.12 | 30.77 | 0.00 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Yurok Justice Center - Phase III - Del Norte County, Annual

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|-----------|--|--|
| 1 | 4-15-2021 | 7-14-2021 | 0.2846 | 0.2846 |
| 2 | 7-15-2021 | 9-30-2021 | 0.2255 | 0.2255 |
| | | Highest | 0.2846 | 0.2846 |

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.0141 | 0.0000 | 3.0000e-005 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0000 | 5.0000e-005 |
| Energy | 2.9000e-004 | 2.6700e-003 | 2.2400e-003 | 2.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | 0.0000 | 11.8647 | 11.8647 | 4.6000e-004 | 1.4000e-004 | 11.9171 |
| Mobile | 0.0702 | 0.1926 | 0.7479 | 1.2500e-003 | 0.0980 | 1.7100e-003 | 0.0997 | 0.0263 | 1.6100e-003 | 0.0280 | 0.0000 | 113.0908 | 113.0908 | 7.0500e-003 | 0.0000 | 113.2671 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.5258 | 0.0000 | 0.5258 | 0.0311 | 0.0000 | 1.3025 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.1758 | 1.2184 | 1.3942 | 0.0181 | 4.4000e-004 | 1.9776 |
| Total | 0.0846 | 0.1953 | 0.7502 | 1.2700e-003 | 0.0980 | 1.9100e-003 | 0.0999 | 0.0263 | 1.8100e-003 | 0.0282 | 0.7016 | 126.1739 | 126.8754 | 0.0567 | 5.8000e-004 | 128.4643 |

Yurok Justice Center - Phase III - Del Norte County, Annual

2.2 Overall Operational**Mitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.0133 | 0.0000 | 3.0000e-005 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0000 | 5.0000e-005 |
| Energy | 2.9000e-004 | 2.6700e-003 | 2.2400e-003 | 2.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | 0.0000 | 11.8647 | 11.8647 | 4.6000e-004 | 1.4000e-004 | 11.9171 |
| Mobile | 0.0702 | 0.1926 | 0.7479 | 1.2500e-003 | 0.0980 | 1.7100e-003 | 0.0997 | 0.0263 | 1.6100e-003 | 0.0280 | 0.0000 | 113.0908 | 113.0908 | 7.0500e-003 | 0.0000 | 113.2671 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.1541 | 1.0894 | 1.2435 | 0.0159 | 3.8000e-004 | 1.7549 |
| Total | 0.0838 | 0.1953 | 0.7502 | 1.2700e-003 | 0.0980 | 1.9100e-003 | 0.0999 | 0.0263 | 1.8100e-003 | 0.0282 | 0.1541 | 126.0449 | 126.1990 | 0.0234 | 5.2000e-004 | 126.9391 |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------------------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|--------------|-------------|-------------|--------------|--------------|-------------|
| Percent Reduction | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 78.03 | 0.10 | 0.53 | 58.75 | 10.34 | 1.19 |

3.0 Construction Detail**Construction Phase**

Yurok Justice Center - Phase III - Del Norte County, Annual

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 4/15/2021 | 4/14/2021 | 5 | 0 | |
| 2 | Site Preparation | Site Preparation | 4/15/2021 | 4/15/2021 | 5 | 1 | |
| 3 | Grading | Grading | 4/16/2021 | 4/19/2021 | 5 | 2 | |
| 4 | Building Construction | Building Construction | 4/20/2021 | 9/6/2021 | 5 | 100 | |
| 5 | Paving | Paving | 9/7/2021 | 9/13/2021 | 5 | 5 | |
| 6 | Architectural Coating | Architectural Coating | 9/14/2021 | 9/20/2021 | 5 | 5 | |

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,178; Non-Residential Outdoor: 1,393; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Yurok Justice Center - Phase III - Del Norte County, Annual

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 4 | 6.00 | 9 | 0.56 |
| Demolition | Concrete/Industrial Saws | 0 | 8.00 | 81 | 0.73 |
| Grading | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Site Preparation | Graders | 1 | 8.00 | 187 | 0.41 |
| Paving | Pavers | 1 | 7.00 | 130 | 0.42 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Demolition | Rubber Tired Dozers | 0 | 1.00 | 247 | 0.40 |
| Grading | Rubber Tired Dozers | 1 | 1.00 | 247 | 0.40 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Demolition | Tractors/Loaders/Backhoes | 0 | 6.00 | 97 | 0.37 |
| Grading | Tractors/Loaders/Backhoes | 2 | 6.00 | 97 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Site Preparation | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 0 | 10.00 | 0.00 | 0.00 | 16.80 | 6.60 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 2 | 5.00 | 0.00 | 0.00 | 16.80 | 6.60 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 4 | 10.00 | 0.00 | 0.00 | 16.80 | 6.60 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 1.00 | 0.00 | 0.00 | 16.80 | 6.60 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 7 | 18.00 | 0.00 | 0.00 | 16.80 | 6.60 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 0.00 | 0.00 | 0.00 | 16.80 | 6.60 | 20.00 | LD_Mix | HDT_Mix | HHDT |

Yurok Justice Center - Phase III - Del Norte County, Annual

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

[illegible]

Yurok Justice Center - Phase III - Del Norte County, Annual

3.2 Demolition - 2021

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Yurok Justice Center - Phase III - Del Norte County, Annual

3.2 Demolition - 2021**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

3.3 Site Preparation - 2021**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 2.7000e-004 | 0.0000 | 2.7000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.2000e-004 | 3.9100e-003 | 2.0100e-003 | 0.0000 | | 1.5000e-004 | 1.5000e-004 | | 1.4000e-004 | 1.4000e-004 | 0.0000 | 0.4276 | 0.4276 | 1.4000e-004 | 0.0000 | 0.4310 |
| Total | 3.2000e-004 | 3.9100e-003 | 2.0100e-003 | 0.0000 | 2.7000e-004 | 1.5000e-004 | 4.2000e-004 | 3.0000e-005 | 1.4000e-004 | 1.7000e-004 | 0.0000 | 0.4276 | 0.4276 | 1.4000e-004 | 0.0000 | 0.4310 |

Yurok Justice Center - Phase III - Del Norte County, Annual

3.3 Site Preparation - 2021**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.0000e-005 | 3.0000e-005 | 2.1000e-004 | 0.0000 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0283 | 0.0283 | 0.0000 | 0.0000 | 0.0284 |
| Total | 3.0000e-005 | 3.0000e-005 | 2.1000e-004 | 0.0000 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0283 | 0.0283 | 0.0000 | 0.0000 | 0.0284 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 1.2000e-004 | 0.0000 | 1.2000e-004 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.2000e-004 | 3.9100e-003 | 2.0100e-003 | 0.0000 | | 1.5000e-004 | 1.5000e-004 | | 1.4000e-004 | 1.4000e-004 | 0.0000 | 0.4276 | 0.4276 | 1.4000e-004 | 0.0000 | 0.4310 |
| Total | 3.2000e-004 | 3.9100e-003 | 2.0100e-003 | 0.0000 | 1.2000e-004 | 1.5000e-004 | 2.7000e-004 | 1.0000e-005 | 1.4000e-004 | 1.5000e-004 | 0.0000 | 0.4276 | 0.4276 | 1.4000e-004 | 0.0000 | 0.4310 |

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3.3 Site Preparation - 2021**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.0000e-005 | 3.0000e-005 | 2.1000e-004 | 0.0000 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0283 | 0.0283 | 0.0000 | 0.0000 | 0.0284 |
| Total | 3.0000e-005 | 3.0000e-005 | 2.1000e-004 | 0.0000 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0283 | 0.0283 | 0.0000 | 0.0000 | 0.0284 |

3.4 Grading - 2021**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 7.5000e-004 | 0.0000 | 7.5000e-004 | 4.1000e-004 | 0.0000 | 4.1000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 8.0000e-004 | 7.2500e-003 | 7.5700e-003 | 1.0000e-005 | | 4.1000e-004 | 4.1000e-004 | | 3.9000e-004 | 3.9000e-004 | 0.0000 | 1.0409 | 1.0409 | 1.9000e-004 | 0.0000 | 1.0458 |
| Total | 8.0000e-004 | 7.2500e-003 | 7.5700e-003 | 1.0000e-005 | 7.5000e-004 | 4.1000e-004 | 1.1600e-003 | 4.1000e-004 | 3.9000e-004 | 8.0000e-004 | 0.0000 | 1.0409 | 1.0409 | 1.9000e-004 | 0.0000 | 1.0458 |

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3.4 Grading - 2021**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.2000e-004 | 1.1000e-004 | 8.5000e-004 | 0.0000 | 1.2000e-004 | 0.0000 | 1.2000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.1133 | 0.1133 | 1.0000e-005 | 0.0000 | 0.1136 |
| Total | 1.2000e-004 | 1.1000e-004 | 8.5000e-004 | 0.0000 | 1.2000e-004 | 0.0000 | 1.2000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.1133 | 0.1133 | 1.0000e-005 | 0.0000 | 0.1136 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 3.4000e-004 | 0.0000 | 3.4000e-004 | 1.9000e-004 | 0.0000 | 1.9000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 8.0000e-004 | 7.2500e-003 | 7.5700e-003 | 1.0000e-005 | | 4.1000e-004 | 4.1000e-004 | | 3.9000e-004 | 3.9000e-004 | 0.0000 | 1.0409 | 1.0409 | 1.9000e-004 | 0.0000 | 1.0458 |
| Total | 8.0000e-004 | 7.2500e-003 | 7.5700e-003 | 1.0000e-005 | 3.4000e-004 | 4.1000e-004 | 7.5000e-004 | 1.9000e-004 | 3.9000e-004 | 5.8000e-004 | 0.0000 | 1.0409 | 1.0409 | 1.9000e-004 | 0.0000 | 1.0458 |

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3.4 Grading - 2021**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.2000e-004 | 1.1000e-004 | 8.5000e-004 | 0.0000 | 1.2000e-004 | 0.0000 | 1.2000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.1133 | 0.1133 | 1.0000e-005 | 0.0000 | 0.1136 |
| Total | 1.2000e-004 | 1.1000e-004 | 8.5000e-004 | 0.0000 | 1.2000e-004 | 0.0000 | 1.2000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.1133 | 0.1133 | 1.0000e-005 | 0.0000 | 0.1136 |

3.5 Building Construction - 2021**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0388 | 0.3993 | 0.3632 | 5.7000e-004 | | 0.0224 | 0.0224 | | 0.0206 | 0.0206 | 0.0000 | 50.0410 | 50.0410 | 0.0162 | 0.0000 | 50.4456 |
| Total | 0.0388 | 0.3993 | 0.3632 | 5.7000e-004 | | 0.0224 | 0.0224 | | 0.0206 | 0.0206 | 0.0000 | 50.0410 | 50.0410 | 0.0162 | 0.0000 | 50.4456 |

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3.5 Building Construction - 2021**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 6.1000e-004 | 5.5000e-004 | 4.2400e-003 | 1.0000e-005 | 6.0000e-004 | 1.0000e-005 | 6.0000e-004 | 1.6000e-004 | 1.0000e-005 | 1.6000e-004 | 0.0000 | 0.5667 | 0.5667 | 4.0000e-005 | 0.0000 | 0.5677 |
| Total | 6.1000e-004 | 5.5000e-004 | 4.2400e-003 | 1.0000e-005 | 6.0000e-004 | 1.0000e-005 | 6.0000e-004 | 1.6000e-004 | 1.0000e-005 | 1.6000e-004 | 0.0000 | 0.5667 | 0.5667 | 4.0000e-005 | 0.0000 | 0.5677 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0388 | 0.3993 | 0.3632 | 5.7000e-004 | | 0.0224 | 0.0224 | | 0.0206 | 0.0206 | 0.0000 | 50.0410 | 50.0410 | 0.0162 | 0.0000 | 50.4456 |
| Total | 0.0388 | 0.3993 | 0.3632 | 5.7000e-004 | | 0.0224 | 0.0224 | | 0.0206 | 0.0206 | 0.0000 | 50.0410 | 50.0410 | 0.0162 | 0.0000 | 50.4456 |

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3.5 Building Construction - 2021**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 6.1000e-004 | 5.5000e-004 | 4.2400e-003 | 1.0000e-005 | 6.0000e-004 | 1.0000e-005 | 6.0000e-004 | 1.6000e-004 | 1.0000e-005 | 1.6000e-004 | 0.0000 | 0.5667 | 0.5667 | 4.0000e-005 | 0.0000 | 0.5677 |
| Total | 6.1000e-004 | 5.5000e-004 | 4.2400e-003 | 1.0000e-005 | 6.0000e-004 | 1.0000e-005 | 6.0000e-004 | 1.6000e-004 | 1.0000e-005 | 1.6000e-004 | 0.0000 | 0.5667 | 0.5667 | 4.0000e-005 | 0.0000 | 0.5677 |

3.6 Paving - 2021**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 1.8000e-003 | 0.0168 | 0.0177 | 3.0000e-005 | | 8.8000e-004 | 8.8000e-004 | | 8.2000e-004 | 8.2000e-004 | 0.0000 | 2.3481 | 2.3481 | 6.8000e-004 | 0.0000 | 2.3652 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 1.8000e-003 | 0.0168 | 0.0177 | 3.0000e-005 | | 8.8000e-004 | 8.8000e-004 | | 8.2000e-004 | 8.2000e-004 | 0.0000 | 2.3481 | 2.3481 | 6.8000e-004 | 0.0000 | 2.3652 |

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3.6 Paving - 2021**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 5.5000e-004 | 4.9000e-004 | 3.8100e-003 | 1.0000e-005 | 5.4000e-004 | 1.0000e-005 | 5.4000e-004 | 1.4000e-004 | 1.0000e-005 | 1.5000e-004 | 0.0000 | 0.5100 | 0.5100 | 4.0000e-005 | 0.0000 | 0.5110 |
| Total | 5.5000e-004 | 4.9000e-004 | 3.8100e-003 | 1.0000e-005 | 5.4000e-004 | 1.0000e-005 | 5.4000e-004 | 1.4000e-004 | 1.0000e-005 | 1.5000e-004 | 0.0000 | 0.5100 | 0.5100 | 4.0000e-005 | 0.0000 | 0.5110 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 1.8000e-003 | 0.0168 | 0.0177 | 3.0000e-005 | | 8.8000e-004 | 8.8000e-004 | | 8.2000e-004 | 8.2000e-004 | 0.0000 | 2.3481 | 2.3481 | 6.8000e-004 | 0.0000 | 2.3652 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 1.8000e-003 | 0.0168 | 0.0177 | 3.0000e-005 | | 8.8000e-004 | 8.8000e-004 | | 8.2000e-004 | 8.2000e-004 | 0.0000 | 2.3481 | 2.3481 | 6.8000e-004 | 0.0000 | 2.3652 |

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3.6 Paving - 2021**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 5.5000e-004 | 4.9000e-004 | 3.8100e-003 | 1.0000e-005 | 5.4000e-004 | 1.0000e-005 | 5.4000e-004 | 1.4000e-004 | 1.0000e-005 | 1.5000e-004 | 0.0000 | 0.5100 | 0.5100 | 4.0000e-005 | 0.0000 | 0.5110 |
| Total | 5.5000e-004 | 4.9000e-004 | 3.8100e-003 | 1.0000e-005 | 5.4000e-004 | 1.0000e-005 | 5.4000e-004 | 1.4000e-004 | 1.0000e-005 | 1.5000e-004 | 0.0000 | 0.5100 | 0.5100 | 4.0000e-005 | 0.0000 | 0.5110 |

3.7 Architectural Coating - 2021**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.0323 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 5.5000e-004 | 3.8200e-003 | 4.5400e-003 | 1.0000e-005 | | 2.4000e-004 | 2.4000e-004 | | 2.4000e-004 | 2.4000e-004 | 0.0000 | 0.6383 | 0.6383 | 4.0000e-005 | 0.0000 | 0.6394 |
| Total | 0.0328 | 3.8200e-003 | 4.5400e-003 | 1.0000e-005 | | 2.4000e-004 | 2.4000e-004 | | 2.4000e-004 | 2.4000e-004 | 0.0000 | 0.6383 | 0.6383 | 4.0000e-005 | 0.0000 | 0.6394 |

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3.7 Architectural Coating - 2021**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.0323 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 5.5000e-004 | 3.8200e-003 | 4.5400e-003 | 1.0000e-005 | | 2.4000e-004 | 2.4000e-004 | | 2.4000e-004 | 2.4000e-004 | 0.0000 | 0.6383 | 0.6383 | 4.0000e-005 | 0.0000 | 0.6394 |
| Total | 0.0328 | 3.8200e-003 | 4.5400e-003 | 1.0000e-005 | | 2.4000e-004 | 2.4000e-004 | | 2.4000e-004 | 2.4000e-004 | 0.0000 | 0.6383 | 0.6383 | 4.0000e-005 | 0.0000 | 0.6394 |

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3.7 Architectural Coating - 2021**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

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| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|--------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.0702 | 0.1926 | 0.7479 | 1.2500e-003 | 0.0980 | 1.7100e-003 | 0.0997 | 0.0263 | 1.6100e-003 | 0.0280 | 0.0000 | 113.0908 | 113.0908 | 7.0500e-003 | 0.0000 | 113.2671 |
| Unmitigated | 0.0702 | 0.1926 | 0.7479 | 1.2500e-003 | 0.0980 | 1.7100e-003 | 0.0997 | 0.0263 | 1.6100e-003 | 0.0280 | 0.0000 | 113.0908 | 113.0908 | 7.0500e-003 | 0.0000 | 113.2671 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Government Office Building | 192.31 | 0.00 | 0.00 | 272,045 | 272,045 |
| Total | 192.31 | 0.00 | 0.00 | 272,045 | 272,045 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Government Office Building | 14.70 | 6.60 | 6.60 | 33.00 | 62.00 | 5.00 | 50 | 34 | 16 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Government Office Building | 0.513817 | 0.042887 | 0.215025 | 0.148590 | 0.042743 | 0.006329 | 0.008064 | 0.007408 | 0.004582 | 0.002213 | 0.005605 | 0.001223 | 0.001515 |

5.0 Energy Detail

Historical Energy Use: N

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5.1 Mitigation Measures Energy

Install High Efficiency Lighting

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|--------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 8.9607 | 8.9607 | 4.1000e-004 | 8.0000e-005 | 8.9958 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 8.9607 | 8.9607 | 4.1000e-004 | 8.0000e-005 | 8.9958 |
| NaturalGas Mitigated | 2.9000e-004 | 2.6700e-003 | 2.2400e-003 | 2.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | 0.0000 | 2.9040 | 2.9040 | 6.0000e-005 | 5.0000e-005 | 2.9213 |
| NaturalGas Unmitigated | 2.9000e-004 | 2.6700e-003 | 2.2400e-003 | 2.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | 0.0000 | 2.9040 | 2.9040 | 6.0000e-005 | 5.0000e-005 | 2.9213 |

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5.2 Energy by Land Use - NaturalGas**Unmitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Government Office Building | 54418.9 | 2.9000e-004 | 2.6700e-003 | 2.2400e-003 | 2.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | 0.0000 | 2.9040 | 2.9040 | 6.0000e-005 | 5.0000e-005 | 2.9213 |
| Total | | 2.9000e-004 | 2.6700e-003 | 2.2400e-003 | 2.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | 0.0000 | 2.9040 | 2.9040 | 6.0000e-005 | 5.0000e-005 | 2.9213 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Government Office Building | 54418.9 | 2.9000e-004 | 2.6700e-003 | 2.2400e-003 | 2.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | 0.0000 | 2.9040 | 2.9040 | 6.0000e-005 | 5.0000e-005 | 2.9213 |
| Total | | 2.9000e-004 | 2.6700e-003 | 2.2400e-003 | 2.0000e-005 | | 2.0000e-004 | 2.0000e-004 | | 2.0000e-004 | 2.0000e-004 | 0.0000 | 2.9040 | 2.9040 | 6.0000e-005 | 5.0000e-005 | 2.9213 |

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5.3 Energy by Land Use - Electricity**Unmitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|-----------------|---------------|--------------------|--------------------|---------------|
| Land Use | kWh/yr | MT/yr | | | |
| Government Office Building | 30802.1 | 8.9607 | 4.1000e-004 | 8.0000e-005 | 8.9958 |
| Total | | 8.9607 | 4.1000e-004 | 8.0000e-005 | 8.9958 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|-----------------|---------------|--------------------|--------------------|---------------|
| Land Use | kWh/yr | MT/yr | | | |
| Government Office Building | 30802.1 | 8.9607 | 4.1000e-004 | 8.0000e-005 | 8.9958 |
| Total | | 8.9607 | 4.1000e-004 | 8.0000e-005 | 8.9958 |

6.0 Area Detail**6.1 Mitigation Measures Area**

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Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|--------|-------------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-------------|-------------|--------|--------|-------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.0133 | 0.0000 | 3.0000e-005 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0000 | 5.0000e-005 |
| Unmitigated | 0.0141 | 0.0000 | 3.0000e-005 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0000 | 5.0000e-005 |

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6.2 Area by SubCategory**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 3.2300e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0109 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 0.0000 | 0.0000 | 3.0000e-005 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0000 | 5.0000e-005 |
| Total | 0.0141 | 0.0000 | 3.0000e-005 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0000 | 5.0000e-005 |

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 3.2300e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0101 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 0.0000 | 0.0000 | 3.0000e-005 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0000 | 5.0000e-005 |
| Total | 0.0133 | 0.0000 | 3.0000e-005 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.0000e-005 | 5.0000e-005 | 0.0000 | 0.0000 | 5.0000e-005 |

7.0 Water Detail

Yurok Justice Center - Phase III - Del Norte County, Annual

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

Use Water Efficient Landscaping

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|-------------|--------|
| Category | MT/yr | | | |
| Mitigated | 1.2435 | 0.0159 | 3.8000e-004 | 1.7549 |
| Unmitigated | 1.3942 | 0.0181 | 4.4000e-004 | 1.9776 |

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7.2 Water by Land Use**Unmitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|---------------------|---------------|---------------|--------------------|---------------|
| Land Use | Mgal | MT/yr | | | |
| Government Office Building | 0.554261 / 0.339708 | 1.3942 | 0.0181 | 4.4000e-004 | 1.9776 |
| Total | | 1.3942 | 0.0181 | 4.4000e-004 | 1.9776 |

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|---------------------|---------------|---------------|--------------------|---------------|
| Land Use | Mgal | MT/yr | | | |
| Government Office Building | 0.485754 / 0.318986 | 1.2435 | 0.0159 | 3.8000e-004 | 1.7549 |
| Total | | 1.2435 | 0.0159 | 3.8000e-004 | 1.7549 |

8.0 Waste Detail**8.1 Mitigation Measures Waste**

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Institute Recycling and Composting Services

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|--------|
| | MT/yr | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.5258 | 0.0311 | 0.0000 | 1.3025 |

8.2 Waste by Land Use**Unmitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use | tons | MT/yr | | | |
| Government Office Building | 2.59 | 0.5258 | 0.0311 | 0.0000 | 1.3025 |
| Total | | 0.5258 | 0.0311 | 0.0000 | 1.3025 |

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8.2 Waste by Land Use**Mitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use | tons | MT/yr | | | |
| Government Office Building | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
|----------------|--------|-----------|-----------|-------------|-------------|-----------|

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
|----------------|--------|-----------|------------|-------------|-------------|-----------|

Boilers

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

User Defined Equipment

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

11.0 Vegetation

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Appendix E
USFWS Consultation Letter



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Arcata Fish And Wildlife Office

1655 Heindon Road

Arcata, CA 95521-4573

Phone: (707) 822-7201 Fax: (707) 822-8411



In Reply Refer To:

February 03, 2021

Consultation Code: 08EACT00-2021-SLI-0135

Event Code: 08EACT00-2021-E-00295

Project Name: Yurok Tribal Justice Center, Phase III

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2))

(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at:

<http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>;

<http://www.towerkill.com>; and

www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html.

<http://>

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Arcata Fish And Wildlife Office

1655 Heindon Road

Arcata, CA 95521-4573

(707) 822-7201

Project Summary

Consultation Code: 08EACT00-2021-SLI-0135

Event Code: 08EACT00-2021-E-00295

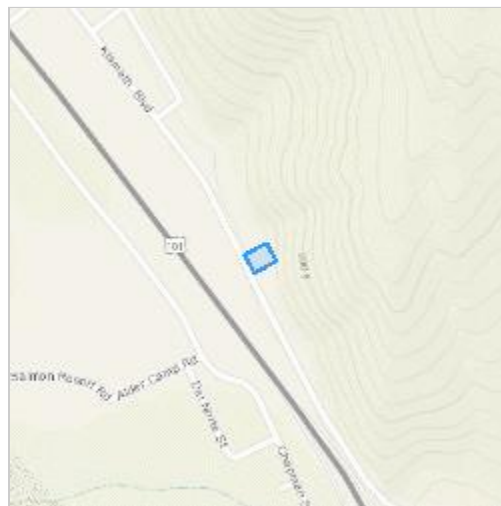
Project Name: Yurok Tribal Justice Center, Phase III

Project Type: Federal Grant / Loan Related

Project Description: The Proposed Project site is held in trust by the United States for the Tribe. The Proposed Project involves the renovation of the existing Justice Center by adding approximately 2,785 square feet of two-story space to the north, utilizing grant funds received from the U.S. DOJ on Tribal trust land in Klamath, California, within the jurisdiction of the Tribe (see Figure 2). The Site consists of limited vegetation and native construction fill and gravel and is currently used as additional parking for the existing Justice Center, with two (2) paved ADA compliant parking spaces.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@41.5279573,-124.0368852625037,14z>



Counties: Del Norte County, California

Endangered Species Act Species

There is a total of 6 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Birds

| NAME | STATUS |
|---|------------|
| Marbled Murrelet <i>Brachyramphus marmoratus</i> Population: U.S.A. (CA, OR, WA) There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/4467 | Threatened |
| Northern Spotted Owl <i>Strix occidentalis caurina</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/1123 | Threatened |
| Western Snowy Plover <i>Charadrius nivosus nivosus</i> Population: Pacific Coast population DPS-U.S.A. (CA, OR, WA), Mexico (within 50 miles of Pacific coast) There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/8035 | Threatened |
| Yellow-billed Cuckoo <i>Coccyzus americanus</i> Population: Western U.S. DPS There is proposed critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/3911 | Threatened |

Fishes

| NAME | STATUS |
|--|------------|
| Tidewater Goby <i>Eucyclogobius newberryi</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/57 | Endangered |

Flowering Plants

| NAME | STATUS |
|---|------------|
| Western Lily <i>Lilium occidentale</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/998 | Endangered |

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

Appendix F National Wetland Inventory



U.S. Fish and Wildlife Service

National Wetlands Inventory

Yurok Justice Center Phase III Project



February 8, 2021

Wetlands

| | | | | | |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland |  | Lake |
|  | Estuarine and Marine Wetland |  | Freshwater Forested/Shrub Wetland |  | Other |
| | |  | Freshwater Pond |  | Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Appendix G Correspondence Involving the THPO

Based on the Tribe's Phase I and Phase II Environmental Assessments, Cultural Reports, and review by the Yurok Tribal Heritage Preservation Officer we are requesting concurrence with a determination of No Adverse Effect per CFR 800 with protection measures for the Yurok Multi-Purpose Justice Center Phase III.

If you have any questions or need additional information, please contact Cynthia Bones at (707) 482-1350 ext. 1385 or by email at cbones@yuroktribe.nsn.us.

Sincerely,



Joseph L. James
Yurok Tribe Chairperson

CONCURRENCE: 

Tribal Historic Preservation Officer

Appendix H
Finding of No Significant Impact (To be Developed)