

CITY OF ALAMEDA RESOLUTION NO. \_\_\_\_\_

ADOPTING A MITIGATED NEGATIVE DECLARATION, MITIGATION  
MONITORING AND REPORTING PROGRAM, AND CLIMATE ACTION  
AND RESILIENCY PLAN

WHEREAS, in 2008 the City of Alameda developed a Local Action Plan for Climate Protection (LAPCP); and

WHEREAS, on May 2, 2017, the City Council, by motion, unanimously approved a high priority referral directing staff to update the LAPCP; and

WHEREAS, on December 5, 2017, the City Council unanimously approved a motion for staff to move forward with an update to the LAPCP that included both climate mitigation (measures to reduce greenhouse gases (GHG)) and adaptation (measures to adapt to the effects of climate change); and

WHEREAS, City staff, hundreds of community members, dozens of public agencies, nonprofits, local community organizations, and specialized consultants have worked for more than a year to develop the Climate Action and Resiliency Plan (CARP); and

WHEREAS, the Intergovernmental Panel of Climate Change (IPCC) issued a report in 2018, finding that human activities are estimated to have caused approximately 1.0°C of global warming above pre-industrial levels, with a likely range of 0.8°C to 1.2°C; and that global warming is likely to reach 1.5°C between 2030 and 2052 if it continues to increase at the current rate; and that climate-related risks for natural and human systems are higher for global warming of 1.5°C than at present, but lower than at 2°C; and that pathways to limiting global warming to 1.5°C with no or limited overshoot would require rapid and far-reaching transitions in energy, land, urban and infrastructure (including transport and buildings), and industrial systems; and that these systems transitions are unprecedented in terms of scale, but not necessarily in terms of speed, and imply deep emissions reductions in all sectors, a wide portfolio of mitigation options and a significant upscaling of investments in those options; and

WHEREAS, the federal government issued the Fourth National Climate Assessment, finding that climate change creates new risks and exacerbates existing vulnerabilities in communities across the United States, presenting growing challenges to human health and safety, quality of life, and the rate of economic growth; and that without substantial and sustained global mitigation and regional adaptation efforts, climate change is expected to cause growing losses to American infrastructure and property and impede the rate of economic growth over this century; and that communities, governments, and businesses are working to reduce risks and costs associated with climate change by taking action to lower GHG emissions and implement adaptation strategies; and that while mitigation and adaptation efforts have expanded substantially in the last four years, they do not yet approach the scale considered necessary to avoid

substantial damages to the economy, environment, and human health over the coming decades; and

WHEREAS, the State of California issued California's Fourth Climate Assessment, finding that by 2100 average annual maximum daily temperature is projected to increase by 5.6°-8.8°, with heat waves in cities causing 2-3 times more heat related deaths (by 2050), and hotter temperatures increasing electrical demand; water supply from snowpack is projected to decline by two-thirds potentially causing water shortages up to 16% (by 2050); the average area burned by wildfires could increase by 77%; 31-67% of Southern California beaches may completely erode and make hundreds of miles of coastal highways susceptible to flooding; and

WHEREAS, in 2015, 196 State Parties at the 21st Conference of the Parties of the United Nations Framework Convention on Climate Change (UNFCCC) (COP 21) in Paris, France, adopted by consensus the Paris Climate Agreement, a historic international agreement dealing with carbon emissions mitigation, adaptation, and finance; and

WHEREAS, the Paris Climate Agreement will enter into force starting in the year 2020, requiring all parties to put forward their best efforts through nationally determined contributions (NDCs) and to strengthen these efforts in the years ahead; including requiring that all parties report regularly on their emissions and on their implementation efforts; and

WHEREAS, the Paris Climate Agreement's long-term goal is to keep the increase in global average temperature to well below 2°C above pre-industrial levels; and to limit the increase to 1.5°C, since this would substantially reduce the risks and effects of climate change; and as of February 2019, 195 UNFCCC members have signed the agreement while 185 have become party to it; and

WHEREAS, on June 1, 2017, President Trump announced his intention to withdraw the United States from the agreement with November 4, 2020 as the earliest possible effective withdrawal date by the United States; and

WHEREAS, in the wake of the federal government announcing its intention to withdraw from the Paris Climate Agreement, many states, counties and cities, including the City of Alameda, announced their commitment to uphold the Paris Climate Agreement through local actions and carbon reductions; and

WHEREAS, the City of Alameda desires to uphold the Paris Climate Agreement as a subnational government through the Global Covenant of Mayors; and

WHEREAS, in March 2019, the City Council declared a climate emergency and joined a global effort to get to net zero emissions as soon as possible; and

WHEREAS, Alameda has made significant progress in lowering its GHG emissions by 23% below the 2005 baseline, but just short of the 25% goal set in the

LAPCP, and much more needs to be done to reach the CARP's goal of 50% reduction below 2005 baseline by 2030 and achieving the vision of net zero emissions as soon as possible; and

WHEREAS, various City Boards and Commissions, including the Public Utilities Board, provided input on the CARP; and

WHEREAS, the CARP recognizes that Alameda, as an island city, is in an especially unique position to follow a *Climate Safe Path* where mitigation and adaptation are pursued simultaneously, especially given the clear financial case for proactive adaptation measures implemented sooner rather than later; and

WHEREAS, the CARP proposes a variety of mitigation and adaptation measures that sets goals and prioritizes City staff's work, programs, and projects, acknowledging that many of the more significant work, programs, and projects in the CARP will return to City Council individually for approval; and

WHEREAS, adoption of the CARP will enable the City to seek grants funds for the plan's work, programs, and projects; advocate for changes in federal, state, and regional policies consistent with CARP's implementation; comply with AB 691, State Lands/Granted Trust Lands: Sea Level Rise and AB 32, the California Global Warming Solutions Act of 2006; and be used to inform other City and public agency planning efforts; and

WHEREAS, the CARP shall be a guiding document that provides overarching policy direction to achieve the City's climate action goals and to increase the City's resilience to climate change hazards and impacts; and the CARP supports and enhances many existing plans and initiatives within the City; and

WHEREAS, the CARP also suggests new plans and actions to supplement ongoing efforts and create new initiatives; and

WHEREAS, any policy or ordinance described in the CARP must be developed and adopted through a public review process; and

WHEREAS, the City prepared a Mitigated Negative Declaration (MND) which considers the potential environmental impacts of the CARP including the potential impacts of future actions by the City to make physical changes to existing structures and facilities to reduce GHG emissions or address sea level rise; and

WHEREAS, the City published a Notice of Intent to Adopt a MND for the CARP by mail on July 22, 2019, and by publication on July 25, 2019, in compliance with the California Environmental Quality Act (CEQA); and

WHEREAS, the MND was made available for public comment for more than 20 days prior to adoption as required by CEQA, beginning on July 25, 2019 and ending on September 3, 2019; and

WHEREAS, the City Council held a duly noticed public hearing on September 3, 2019 to receive public testimony on the MND and CARP, examined pertinent documents, and considered the testimony and written comments received; and

WHEREAS, all interested parties were given the opportunity to participate in the hearing by submittal of oral and written comments; and the public hearing was closed by the City Council on September 3, 2019.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Alameda makes the following findings:

**California Environmental Quality Act.** The City of Alameda, as the lead agency under the CEQA, prepared a draft MND for the CARP in the manner required and authorized under CEQA, and the City Council has considered the MND and Mitigation Monitoring and Reporting Program (MMRP), together with the initial study and comments received, all of which are incorporated by reference as though fully set forth herein, prior to making a decision on the CARP. The City Council finds and determines that the MND adequately addresses the potential environmental impacts of the project and complies with CEQA. All project-specific mitigations specified in the MMRP (attached hereto as Exhibit A) shall be included as conditions of approval for the CARP. The MND considers the potential environmental impacts of the project including the potential impacts of future actions by the City to make physical changes to existing structures and facilities to reduce GHG emissions or address sea level rise. The MND finds that some construction activities may result in some potentially significant impacts as the result of construction activities, but that all of the potential impacts can be mitigated to a level of less than significant through standard construction mitigations; and

BE IT FURTHER RESOLVED that, based on its independent judgment and analysis, the City Council adopts the CARP MND and MMRP (MMRP attached as Exhibit A) and finds, on the basis of the initial study and comments received, that the project's effects can be mitigated to the extent that there is no substantial evidence in light of the whole record that the project will have a significant effect on the environment; and

BE IT FURTHER RESOLVED that the locations and custodians of the documents and other materials that constitute the record of proceedings upon which the City Council's decision is based are: (1) City Clerk's Office, 2263 Santa Clara Avenue, Room 380, Alameda, CA, and (2) City of Alameda Planning, Building & Transportation Department, 2263 Santa Clara Avenue, Room 190, Alameda, CA; and

BE IT FURTHER RESOLVED that the City finds and determines that this Resolution complies with CEQA and that the City Manager or designee is directed to file a Notice of Determination with the appropriate agencies; and

BE IT FURTHER RESOLVED that City Council adopts the CARP; and

BE IT FURTHER RESOLVED that City Council directs staff to implement the plan as soon as possible and return to City Council with annual reports that, among other things, identify progress, obstacles, and resource constraints in achieving the goals of the CARP.

EXHIBIT A

(MMRP)

CITY OF ALAMEDA, CALIFORNIA

# **Alameda Climate Action and Resiliency Plan (CARP)**

MITIGATION MONITORING AND REPORTING PROGRAM  
(MMRP)

JUNE 2019



# Alameda Climate Action and Resiliency Plan (CARP)

## Mitigation Monitoring and Reporting Program (MMRP)

### 1. Introduction

Assembly Bill (AB) 3180, enacted by the California Legislature in 1988, requires lead agencies to prepare and adopt a program to monitor and/or report on all mitigation measures required in conjunction with certification of an Environmental Impact Report (EIR) or adoption of a Mitigated Negative Declaration pursuant to the California Environmental Quality Act (CEQA).

A public agency must certify an EIR or adopt a Mitigated Negative Declaration when approving a discretionary project that could significantly affect the environment in an adverse manner. The monitoring or reporting program is intended to ensure the successful implementation of measures that public agencies impose to reduce or avoid the significant adverse impacts identified in an environmental document. Adoption of the monitoring program is to occur when a public agency makes the findings to approve a project requiring an EIR or when adopting a Mitigated Negative Declaration. There is no statutory requirement for a lead agency to circulate a monitoring program for public review prior to adopting the program.

The monitoring program should specify the steps whereby implementation of project mitigation measures can be verified during project construction and operation. Typically, the monitoring program should, for each mitigation measure, identify the entity responsible for implementing the measure and an individual, qualified professional, or agency responsible for ensuring compliance. The monitoring program should also identify: the action or actions required to ensure compliance; when and how frequently monitoring should occur; a mechanism for reporting compliance or non-compliance; and an agency that receives and monitors the reports on compliance. AB 3180, as promulgated in Public Resources Code Section 21081.6, does not require a mitigation monitoring program to include measures imposed to mitigate the environmental effects of less-than-significant impacts.

### 2. Monitoring Program

The purpose of this Mitigation Monitoring and Reporting Program (MMRP) is to present a thorough approach for monitoring the implementation of the measures required to mitigate the significant and potentially significant impacts identified in the *Alameda Climate Action and Resiliency Plan (CARP) Mitigated Negative Declaration*. The monitoring program identifies each mitigation measure for a significant impact and specifies the means for verifying successful implementation. Failure to comply with all required mitigation measures will constitute a basis for withholding building permits or undertaking legal enforcement actions.

#### Project Approvals

Prior to each successive approval during development of the proposed project, the City of Alameda Public Works Department shall confirm via the MMRP table (included in this document) proper implementation of all mitigation measures required to that point in time. If any mitigation measures have not been implemented as required, the permit or other approval shall be withheld until successful implementation of the measure has been confirmed by the City. If noncompliance of required mitigation measures occurs following completion of construction and project



occupancy, the failure shall be grounds for revocation of the occupancy permit(s) for the project, or other enforcement action by the City Attorney.

### MMRP Table

The heart of this document is the MMRP table, which identifies the monitoring and reporting requirements for each mitigation measure identified in the Mitigated Negative Declaration. More specifically, the table provides the following information for each mitigation measure:

- **Impact Summary**— a brief one-sentence summary statement of the impact being mitigated.
- **Mitigation Measure**— the verbatim text of the mitigation measure as adopted by the City. In some cases, the measure may differ slightly from the language presented in the Mitigated Negative Declaration circulated for public review.
- **Implementation Responsibility**— the entity responsible for implementing the mitigation measure.
- **Monitoring Responsibility**— the person or agency responsible for physically verifying that the mitigation measure has been implemented and for recording the verification in the MMRP table. In some cases, an outside regulatory agency may be involved in determining or ensuring mitigation compliance, but reporting of compliance in the MMRP table is the responsibility of City staff in all cases.
- **Monitoring Activity**— all activities necessary to verify successful implementation of the mitigation measure. Where certain monitoring activities are verified during the normal course of project review and approvals (e.g., verification of compliance with building codes), such verification has been noted but has not been incorporated into the MMRP, and no separate reporting is required beyond that which normally occurs.
- **Timing/Frequency of Monitoring**— the phase of the project during which monitoring activities must occur and/or milestone(s) at which single-event monitoring activities must occur followed by how often monitoring activities must occur. Typically, the monitoring occurs once, weekly, or monthly.
- **Date & Monitor's Initials/Status/Comments**— the initials of the Responsible Monitor verifying that implementation of the mitigation measure has been satisfactorily completed. A notation shall be provided for each required occurrence of monitoring and/or verification, as stipulated in the MMRP table for each mitigation measure. The notation by the proper monitor should be dated and initialed, and should note any irregularities or problems in compliance. When final implementation of a mitigation measure has been verified by the designated monitor, a notation of full and completed implementation shall be made in this space.

### Reporting

Reporting shall be satisfied by a written notation in the space provided for each mitigation measure in the MMRP table, as noted above. The MMRP table shall be maintained on file at the offices of the Public Works Department until, at a minimum, all mitigation measures have been successfully implemented and verified.

## Mitigation Monitoring and Reporting Program (MMRP)

Mitigation Measure	Implementation Responsibility	Monitoring Responsibility	Monitoring Activity	Timing/ Frequency of Monitoring	Date & Monitor's Initials/ Status/Comments
<b>AIR QUALITY</b>					
<p><b>Impact:</b> Generation of airborne particulate matter during construction.</p> <p><b>Mitigation Measure AQ-1:</b> Prior to construction of any new facilities or structures, the City shall implement the BAAQMD recommended <i>Basic Construction Mitigation Measures</i>, listed in Table 8-2 of the BAAQMD CEQA Air Quality Guidelines. These measures include the following:</p> <ul style="list-style-type: none"> <li>• All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.</li> <li>• All haul trucks transporting soil, sand, or other loose material off-site shall be covered.</li> <li>• All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.</li> <li>• All vehicle speeds on unpaved roads shall be limited to 15 mph.</li> <li>• All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.</li> <li>• Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.</li> <li>• All construction equipment shall be maintained and properly tuned in accordance with the manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.</li> <li>• A publicly visible sign shall be posted with the telephone number and person to contact at the Lead Agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's phone number shall also be visible to ensure compliance with applicable regulations.</li> </ul>	Project Sponsor and Construction Contractor	Bay Area Air Quality Management District (BAAQMD), City of Alameda Planning Division	Monthly site visits shall be made by City staff to verify compliance with requirements. Additional site visits shall be promptly made in response to any complaints received by the City or BAAQMD. Any excessive dust observed shall be discussed with the project sponsor and reported in the MMRP table.	During construction/ Monthly and in response to complaints	

## Mitigation Monitoring and Reporting Program (MMRP)

Mitigation Measure	Implementation Responsibility	Monitoring Responsibility	Monitoring Activity	Timing/ Frequency of Monitoring	Date & Monitor's Initials/ Status/Comments
<b>BIOLOGICAL RESOURCES</b>					
<p><b>Impact:</b> Potential adverse effects on special-status species during construction activity.</p> <p><b>Mitigation Measure BR-1:</b> Prior to construction of any new facility or structure on submerged lands or that requires in-water work, the City shall retain the services of a qualified marine biologist to review the project plans and conduct a biological assessment of the project area. The biological assessment shall identify potential impacts to sensitive habitat(s) and/or special-status species and include mitigation measures sufficient to avoid the impacts or ensure that the impacts are less than significant. Implementation of the CARP project shall not proceed without implementation of the required biological mitigation measures, in accordance with the timing stipulated in the biological assessment for the project.</p>	Project Sponsor	City of Alameda Planning Division  Biological Monitor	Prior to commencement of construction, City staff shall verify completion of the required biological assessment of the project area. If the biological assessment identifies mitigation requirements needed to protect special-status species, Planning staff shall receive written verification from the biological monitor that the mitigation requirements have been adequately implemented.	<p><u>Verification of completion of the biological assessment:</u> Prior to issuance of grading permit or Authorization to Proceed with construction/ Once</p> <p><u>Verification of confirmation from Biological Monitor that biological mitigation requirements were implemented:</u> Upon completion of construction/ Once</p>	
<p><b>Impact:</b> Potential adverse effects on nesting birds during construction activity.</p> <p><b>Mitigation Measure BR-2:</b> To the extent feasible, construction activities shall be scheduled to avoid the nesting season, which for most birds in Alameda County extends from February 1 through August 31. If construction activities are scheduled to take place outside the nesting season, all impacts to nesting birds protected under the MBTA and California Fish and Game Code will be avoided. If nesting season cannot be avoided during construction, prior to construction of GHG Reduction Action T2 or any of the climate change adaptation strategies listed above, the City shall retain the services of a qualified wildlife or avian biologist to conduct a bird nesting survey of the proposed area of disturbance and within a 250-foot radius of the proposed area of disturbance. If conducted during the early part of the breeding season (January to April), the survey shall be conducted no more than 14 days prior to initiation of grading/construction activities, due to the higher probability that new nest construction could be initiated</p>	Project Sponsor	City of Alameda Planning Division  Biological Monitor	A qualified biologist hired by the City of Alameda shall conduct and document the required pre-construction bird surveys. If nesting birds are found, Planning staff shall receive written verification from the biological monitor that protective fencing is installed in accordance with CDFW requirements and remains in place for the required time.	<p><u>Verification of bird surveys:</u> Prior to issuance of grading permit or commencement of construction/ Once</p> <p><u>Verification of confirmation from Biological Monitor that protective measures were observed during tree removal:</u> Upon completion of construction / Once</p>	

## Mitigation Monitoring and Reporting Program (MMRP)

Mitigation Measure	Implementation Responsibility	Monitoring Responsibility	Monitoring Activity	Timing/ Frequency of Monitoring	Date & Monitor's Initials/ Status/Comments
<p>during this time. If conducted during the late part of the breeding season (May to August), when the potential for new nest creation is much lower, the survey shall be performed no more than 30 days prior to initiation of these activities. If active nests are identified, a 250-foot fenced buffer (or an appropriate buffer zone determined in consultation with the California Department of Fish and Wildlife) shall be established around the nest tree and the site shall be protected until September 1<sup>st</sup> or until the young have fledged. A biological monitor shall be present during earth-moving activity near the buffer zone to make sure that grading does not enter the buffer area.</p>					
<p><b>Impact:</b> Potential adverse effects to protected wetlands species during construction activity.</p> <p><b>Mitigation Measure BR-3:</b> Prior to construction of any new facilities or structures in or in close proximity to wetlands, the City shall retain the services of a qualified wetland biologist to review the project plans and conduct a biological assessment of the project area. The biological assessment shall identify potential impacts to protected wetland habitats and determine any applicable permit requirements from the U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service, California Department of Fish and Wildlife, San Francisco Bay Regional Water Quality Control Board, and/or the San Francisco Bay Conservation and Development Commission. The biological assessment shall include mitigation measures sufficient to avoid identified impacts to wetlands or ensure that the impacts are less than significant. Implementation of the CARP project shall not proceed without implementation of the required biological mitigation measures, in accordance with the timing stipulated in the biological assessment for the project. Any required regulatory permits shall be obtained prior to commencing construction.</p>	Project Sponsor	City of Alameda Planning Division  Biological Monitor	Prior to commencement of construction, City staff shall verify completion of the required biological assessment of potential wetland impacts. If the assessment identifies mitigation requirements needed to protect wetlands and/or regulatory permit requirements, Planning staff shall receive written verification from the biological monitor of compliance with the mitigation and permit requirements.	<p><u>Verification of completion of the wetlands impact assessment:</u> Prior to issuance of grading permit or Authorization to Proceed with construction/ Once</p> <p><u>Verification of issuance of any required regulatory permits:</u> Prior to issuance of grading permit or Authorization to Proceed with construction/ Once</p> <p><u>Verification of confirmation from Biological Monitor that wetland mitigation requirements were implemented:</u> Upon completion of construction/ Once</p>	

## Mitigation Monitoring and Reporting Program (MMRP)

Mitigation Measure	Implementation Responsibility	Monitoring Responsibility	Monitoring Activity	Timing/ Frequency of Monitoring	Date & Monitor's Initials/ Status/Comments
<b>CULTURAL RESOURCES AND TRIBAL CULTURAL RESOURCES</b>					
<p><b>Impact:</b> Potential damage to significant archaeological or historical resources or buried human remains.</p> <p><b>Mitigation Measure CR-1:</b> Prior to planting new trees as called for in GHG Reduction Action S2 and Climate Change Adaptation Strategies for Heat and Drought (CARP Table 4-25) and Wildfire Smoke (CARP Table 4-26), City staff shall advise the work crew of the potential for encountering cultural resources, such as modified stone or shaped rock fragments (including arrow and spear heads); man-made objects; fire-charred soil, stone, or artifacts; bone fragments; or other objects of questionable provenance or era. Workers shall be notified that if they encounter any such items, they are to stop work at the site of the find and contact City staff, who shall retain the services of a qualified archaeological consultant to identify and evaluate the resource(s) and, if necessary, recommend mitigation measures to document and prevent any significant adverse effects on the resource(s). Any mitigation recommendations of the archaeologist shall be implemented prior to resuming the tree planting.</p>	Project Sponsor	City of Alameda Planning Division  Professional Archaeologist	City staff shall conduct pre-construction meeting as indicated and record the date and participants on this MMRP table. City staff shall verify the inclusion on construction plans and specification drawings the advisory to stop work in the event buried archaeological resources are encountered during construction, following by notification of City staff. If resources are encountered during construction, Planning staff shall receive written verification from the archaeologist that any identified mitigation requirements have been adequately implemented	<p><u>Verification of pre-construction meeting:</u> Prior to any ground disturbance/ Once</p> <p><u>Verification of confirmation from the archaeologist that any identified mitigation requirements were implemented:</u> Upon completion of tree planting/ Once</p>	
<p><b>Impact:</b> Potential damage to significant archaeological or historical resources or buried human remains.</p> <p><b>Mitigation Measure CR-2:</b> If any cultural artifacts are encountered during site grading or other project construction activities, all ground disturbance within 100 feet of the find shall be halted until the City of Alameda is notified, and a qualified archaeologist can identify and evaluate the resource(s) and, if necessary, recommend mitigation measures to document and prevent any significant adverse effects on the resource(s). (Construction personnel shall not collect any cultural resources.) The results of any additional archaeological effort required through the implementation of Mitigation Measures CR-1 or CR-2 shall be presented in a professional-quality report, to be submitted to the City of Alameda Planning Division and the Northwest Information Center at Sonoma State University in Rohnert Park.</p>	Project Sponsor	City of Alameda Planning Division  Professional Archaeologist	City staff shall verify the inclusion in all construction contracts pertaining to grading or other ground-disturbing activities the provisions for work stoppage stipulated in Mitigation Measure CR-2. If cultural resources are encountered during construction, City staff shall conduct weekly (or more frequent) site inspections to verify implementation of any mitigation recommended by the archaeologist. Inspections shall continue until mitigation implementation is deemed complete by the archaeologist. City staff shall ensure the find is evaluated by a qualified archaeologist and shall verify submittal of archaeological report.	<p><u>Verification of contract provisions:</u> Prior to issuance of grading permit or Authorization to Proceed with construction/ Once</p> <p><u>Site inspections (if required due to presence of cultural resources):</u> During construction/ Weekly, or more frequently</p> <p><u>Report submittal:</u> Within 3 weeks of completion of</p>	

## Mitigation Monitoring and Reporting Program (MMRP)

Mitigation Measure	Implementation Responsibility	Monitoring Responsibility	Monitoring Activity	Timing/ Frequency of Monitoring	Date & Monitor's Initials/ Status/Comments
<p><b>Impact:</b> Potential damage to significant archaeological or historical resources or buried human remains.</p> <p><b>Mitigation Measure CR-3:</b> In the event that any human remains are encountered during site disturbance, all ground-disturbing work shall cease immediately and a qualified archaeologist shall notify the Office of the Alameda County Coroner and advise that office as to whether the remains are likely to be prehistoric or historic period in date. If determined to be prehistoric, the Coroner's Office will notify the Native American Heritage Commission of the find, which, in turn, will then appoint a "Most Likely Descendant" (MLD). The MLD in consultation with the archaeological consultant and the City, will advise and help formulate an appropriate plan for treatment of the remains, which might include recordation, removal, and scientific study of the remains and any associated artifacts. After completion of analysis and preparation of the report of findings, the remains and associated grave goods shall be returned to the MLD for reburial.</p>	Project Sponsor	City of Alameda Planning Division  Professional Archaeologist	If human remains are encountered during construction, City staff shall receive written verification from the Archaeological Monitor that proper notification, treatment, documentation, and return of remains occurred.	mitigation requirements/ Once  Within 3 weeks of completion of mitigation requirements/ Once	
<p><b>Impact:</b> Potential damage to paleontological resources.</p> <p><b>Mitigation Measure CR-4:</b> If any paleontological resources—such as fossilized bone, teeth, shell, tracks, trails, casts, molds, or impressions—are encountered during site grading or other construction activities, all ground disturbance within 100 feet of the find shall be halted until the services of a qualified paleontologist can be retained to identify and evaluate the scientific value of the resource(s) and, if necessary, recommend mitigation measures to document and prevent any significant adverse effects on the resource(s). Significant paleontological resources shall be salvaged and deposited in an accredited and permanent scientific institution, such as the University of California Museum of Paleontology (UCMP).</p>	Project Sponsor	City of Alameda Planning Division  Professional Paleontologist	City staff shall verify the inclusion in all construction contracts pertaining to grading or other ground-disturbing activities the provisions for work stoppage stipulated in Mitigation Measure CR-4. If paleontological resources are encountered during construction, City staff shall ensure the find is evaluated by a qualified paleontologist. City staff shall conduct weekly (or more frequent) site inspections to verify implementation of any mitigation recommended by the paleontologist. Inspections shall continue until mitigation implementation is deemed complete by the paleontologist.	<p><u>Verification of contract provisions:</u> Prior to issuance of grading permit/ Once</p> <p><u>Site inspections (if required due to presence of paleontological resources):</u> During grading or ground disturbance/ Weekly, or more frequently</p>	

## Mitigation Monitoring and Reporting Program (MMRP)

Mitigation Measure	Implementation Responsibility	Monitoring Responsibility	Monitoring Activity	Timing/ Frequency of Monitoring	Date & Monitor's Initials/ Status/Comments
<b>GREENHOUSE GASES</b>					
<p><b>Impact:</b> Potentially significant emissions of greenhouse gases during construction activity.</p> <p><b>Mitigation Measure GHG-1:</b> Prior to construction of major new seawalls, bulkheads, or other new sea level rise mitigation, the City shall model GHG emissions that would be generated by the construction project in question and recommend appropriate mitigation measures for any impacts deemed to be significant. If the analysis identifies a significant GHG impact, the City shall implement the identified mitigation measure(s) during project construction to ensure that air quality impacts remain less than significant.</p>	Project Sponsor	City of Alameda Planning Division	<p>Prior to commencement of construction, City staff shall verify completion of the required analysis of GHG emissions. If the analysis identifies mitigation requirements needed to reduce GHG emissions to a less-than-significant level, Planning staff shall conduct weekly site inspections to verify implementation of any applicable mitigation requirements of an ongoing nature. Some mitigation requirements, such as verification of specified equipment (e.g., Tier 3 engines) may only need to be verified once.</p>	<p><u>Verification of GHG analysis:</u> Prior to issuance of grading permit or Authorization to Proceed with construction/ Once</p> <p><u>Verification of implementation of GHG mitigation requirements (if applicable):</u> During construction/ Weekly or Once, as applicable</p>	
<b>HAZARDS AND HAZARDOUS MATERIALS</b>					
<p><b>Impact:</b> Potential for exposure of construction workers to contaminated soils during replacement of underground pipes.</p> <p><b>Mitigation Measure HM-1:</b> Prior to any construction activity related to the replacement of underground of sewer or stormwater pipes as part of the City's climate change adaptation action for utilities, the City shall inform the construction contractor of the potential for workers to encounter contaminated soil during the work. The contractor shall be required to direct workers to be alert for odors or soil staining that might indicate contamination and, in the event such signs are observed, the workers shall stop work and inform the construction foreman, who shall notify the City immediately (same day).</p> <p>If indicators of soil contamination are encountered during pipe replacement work, the City shall retain the services of a Registered Environmental Assessor (REA) or other qualified professional to conduct sampling and laboratory analysis of soil collected from the site and perform a Phase II Environmental Site Assessment (ESA) of the work site.</p>	Project Sponsor	City of Alameda Planning Division	<p>City staff shall verify the inclusion in all construction contracts pertaining to grading or other ground-disturbing activities the precautions and provisions for work stoppage stipulated in Mitigation Measure HM-1. If indicators of soil contamination are encountered during construction, Planning staff shall conduct a site visit to verify that construction work has been halted. Planning staff shall confirm completion of a Phase II ESA. If the Phase II ESA identifies a need for soil remediation, Planning staff shall verify issuance of a No Further Action letter from the overseeing regulatory agency or other written</p>	<p><u>contract provisions:</u> Prior to issuance of grading permit or Authorization to Proceed with construction/ Once</p> <p><u>Verification of completion of Phase II ESA (if required):</u> Upon completion of Phase II ESA/ Once</p> <p><u>Verification of successful remediation of contamination (if required):</u> Upon</p>	

## Mitigation Monitoring and Reporting Program (MMRP)

Mitigation Measure	Implementation Responsibility	Monitoring Responsibility	Monitoring Activity	Timing/ Frequency of Monitoring	Date & Monitor's Initials/ Status/Comments
The Phase II ESA shall contain an assessment of the hazards relative to applicable regulatory thresholds and shall include any necessary remediation requirements for any contaminants that exceed regulatory thresholds. Pipeline replacement work shall not resume until subsequent testing confirms that the site has been cleaned up to safe levels.			notification that the contamination has been adequately remediated.	completion of remediation and prior to resumption of construction work/ Once	
<b>TRANSPORTATION/TRAFFIC</b>					
<p><b>Impact:</b> Potential disruptions to traffic during synchronization of traffic signals.</p> <p><b>Mitigation Measure TRA-1:</b> Prior to making adjustments to the City's traffic control system, the project sponsor shall prepare and implement a Temporary Traffic Control Plan (TTCP), subject to review and approval by the Alameda Public Works Department. The TTCP shall stipulate provisions for signage, including placement locations; merging tapers; placement of cones, drums, barricades, or arrow panels; use of flaggers and flagging procedures; and other measures, as appropriate. The TTCP shall be prepared in accordance with the Federal Highway Administration's (FHWA) <i>Guidelines for Temporary Traffic Control in Work Zones</i>, Part 6 of the <i>Manual of Uniform Traffic Control Devices (MUTCD)</i> prepared by the FHWA, or other guidelines approved by the Public Works Department. All temporary traffic control devices shall be removed as soon as practical when they are no longer needed.</p>	Project Sponsor/ Construction Contractor	City of Alameda Public Works Department  City of Alameda Planning Division	Prior to implementing synchronization of traffic signals, Planning staff shall verify that the Public Works Department has approved the TTCP. Prior to or shortly after commencement of synchronization work, Planning staff shall conduct a site visit to verify that the traffic controls stipulated in the TTCP have been implemented in accordance with the approved plan.	<p><u>Verification of an approved TTCP:</u> Prior to synchronization of traffic signals / Once</p> <p><u>Verification of implementation of required traffic controls:</u> Prior to or shortly after commencement of synchronization work/ Once</p>	



## Mitigation Monitoring and Reporting Program (MMRP)

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\* \* \* \* \*

I, the undersigned, hereby certify that the foregoing Resolution was duly and regularly adopted and passed by the Council of the City of Alameda in a regular meeting assembled on the 3rd day of September, 2019, by the following vote to wit:

AYES:

NOES:

ABSENT:

ABSENTIONS:

IN WITNESS, WHEREOF, I have hereunto set my hand and affixed the official seal of said City this 4th day of September, 2019.

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Lara Weisiger, City Clerk  
City of Alameda

APPROVED AS TO FORM:

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Yibin Shen, City Attorney  
City of Alameda