

FINAL April 2022 | **Mitigation Monitoring and Reporting Program**

Santa Ana General Plan Update

City of Santa Ana

Prepared for:

City of Santa Ana

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PlaceWorks

Mitigation Monitoring and Reporting Program

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Mitigation Monitoring and Reporting Program

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1. Introduction

1.1 PURPOSE OF MITIGATION MONITORING AND REPORTING PROGRAM

This Mitigation Monitoring and Reporting Program (MMRP) has been developed to provide a vehicle to monitor mitigation measures and conditions of approval outlined in the Final Recirculated Program Environmental Impact Report. The MMRP has been prepared in conformance with Section 21081.6 of the Public Resources Code and City of Santa Ana monitoring requirements. Section 21081.6 states:

(a) When making the findings required by paragraph (1) of subdivision subsection (a) of Section 21081 or when adopting a mitigated negative declaration pursuant to paragraph (2) of subdivision (c) of Section 21080, the following requirements shall apply:

(1) The public agency shall adopt a reporting or monitoring program for the changes made to the project or conditions of project approval, adopted in order to mitigate or avoid significant effects on the environment. The reporting or monitoring program shall be designed to ensure compliance during project implementation. For those changes which have been required or incorporated into the project at the request of a responsible agency or a public agency having jurisdiction by law over natural resources affected by the project, that agency shall, if so requested by the lead agency or a responsible agency, prepare and submit a proposed reporting or monitoring program.

(2) The lead agency shall specify the location and custodian of the documents or other material which constitute the record of proceedings upon which its decision is based.

(b) A public agency shall provide that measures to mitigate or avoid significant effects on the environment are fully enforceable through permit conditions, agreements, or other measures. Conditions of project approval may be set forth in referenced documents which address required mitigation measures or, in the case of the adoption of a plan, policy, regulation, or other public project, by incorporating the mitigation measures into the plan, policy, regulation, or project design.

(c) Prior to the close of the public review period for a draft environmental impact report or mitigated negative declaration, a responsible agency, or a public agency having jurisdiction over natural resources affected by the project, shall either submit to the lead agency complete and detailed performance objectives for mitigation measures which would address the significant effects on the environment identified by the responsible agency or agency having jurisdiction over natural resources affected by the project, or refer the lead agency to appropriate, readily available guidelines or reference documents. Any mitigation measures submitted to a lead

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agency by a responsible agency or an agency having jurisdiction over natural resources affected by the project shall be limited to measures which mitigate impacts to resources which are subject to the statutory authority of, and definitions applicable to, that agency. Compliance or noncompliance by a responsible agency or agency having jurisdiction over natural resources affected by a project with that requirement shall not limit the authority of the responsible agency or agency having jurisdiction over natural resources affected by a project, or the authority of the lead agency, to approve, condition, or deny projects as provided by this division or any other provision of law.

The MMRP will serve to document compliance with adopted/certified mitigation measures that are formulated to minimize impacts associated with future development that would be accommodated by the Santa Ana General Plan.

1.2 PROJECT SUMMARY

The GPU is the comprehensive update of the Santa Ana General Plan. The purpose of the General Plan Update is to comprehensively update the 1982 plan to reflect current conditions, establish a shared vision of the community's aspirations, and create the policy direction to guide Santa Ana's long-term planning and growth over the next two decades. The General Plan Update will include the City's future development goals and will provide policy statements to achieve those goals. Implementation actions related to each goal or policy will be included as a separate Implementation Plan to ensure successful monitoring of progress as a community.

Furthermore, the GPU will focus on five areas in Santa Ana that are better suited for future development or overall improvement. These focus areas are:

- South Main Street
- Grand Avenue/17th Street
- West Santa Ana Boulevard
- 55 Freeway/Dyer Road
- South Bristol Street

General Plan Update

The updated General Plan is organized into three sections: Services and Infrastructure (I), Natural Environment (II), and Built Environment (III). The proposed GPU addresses the seven topics required by state law as well as five optional topics. State law gives jurisdictions the discretion to incorporate optional topics and to address any of these topics in a single element or across multiple elements. The 12 proposed elements of the GPU will replace 16 existing elements. The GPU will incorporate the current 2014–2021 Housing Element, and no substantive changes are anticipated. The topic of housing will be addressed as a separate effort in late 2021 in accordance with State law. The topic of environmental justice will be incorporated throughout the GPU, with goals and policies incorporated into multiple elements. The 12 elements of the proposed GPU are:

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Mandatory Topics

- Land Use Element
- Circulation Element
- Housing Element
- Open Space Element
- Conservation Element
- Safety Element
- Noise Element

Optional Topics

- Public Services Element
- Urban Design Element
- Community Element
- Economic Prosperity Element
- Historic Preservation Element

The GPU will guide growth and development (e.g., infill development, redevelopment, and revitalization/restoration) in the plan area by designating land uses in the proposed land use map and through implementation of updated goals and policies of the GPU. Table 1-1 outlines the proposed land use designations under the GPU.

Table 1-1 Proposed Land Use Designations and Statistics

Land Use Designation	Acres	% of Total
Grand Avenue/17th Street	171.5	—
District Center	23.7	13.8
General Commercial	19.9	11.6
Industrial/Flex	7.1	4.1
Open Space	1.1	0.6
Urban Neighborhood	119.7	69.8
55 Freeway/Dyer Road	354.5	—
District Center	158.0	44.6
General Commercial	68.0	19.2
Industrial/Flex	127.4	35.9
Open Space	1.1	0.3
South Bristol Street	199.9	—
District Center	108.3	54.2
Open Space	6.0	3.0
Urban Neighborhood	85.7	42.9
South Main Street	312.2	—
Industrial/Flex	29.0	9.3
Institutional	19.2	6.1
Low Density Residential	162.3	52.0

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Table 1-1 Proposed Land Use Designations and Statistics

Land Use Designation	Acres	% of Total
Urban Neighborhood	101.7	32.6
West Santa Ana Boulevard	481.6	—
Corridor Residential	10.0	2.1
General Commercial	21.5	4.5
Industrial/Flex	87.9	18.3
Institutional	45.5	9.4
Low Density Residential	108.1	22.4
Low-Medium Density Residential	6.8	1.4
Medium Density Residential	27.0	5.6
Open Space	133.6	27.7
Professional and Administrative Office	6.2	1.3
Urban Neighborhood	35.0	7.3
Balance of City	11,598.8	—
District Center	124.2	1.1
General Commercial	424.2	3.7
Industrial	2,159.6	18.6
Institutional	886.7	7.6
Low Density Residential	6,173.3	53.2
Low-Medium Density Residential	429.0	3.7
Medium Density Residential	335.3	2.9
One Broadway Plaza District Center	4.1	0.0
Open Space	793.8	6.8
Professional and Administrative Office	260.4	2.2
Urban Neighborhood	4.1	0.0
Not Specified	4.1	0.0
Total	13,118.5	100%

Source: Figures aggregated and projected by PlaceWorks, 2020.

The full buildout scenario is analyzed in comparison to existing conditions. Table 1-2 details buildout statistics. Similarly, the PEIR provides conclusions regarding impact significance for this scenario for both the proposed GPU and project alternatives.

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Table 1-2 Buildout Statistical Summary

PLANNING AREA	BUILDOUT		
	Housing Units	Bldg. Sq. Ft. ¹	Jobs
FOCUS AREAS	23,955	15,684,285	35,044
55 Freeway/Dyer Road	9,952	6,142,283	13,302
Grand Avenue/17 th Street	2,283	703,894	1,622
South Bristol Street	5,492	5,082,641	11,192
South Main Street	2,308	946,662	2,151
West Santa Ana Boulevard	3,920	2,808,805	6,777
SPECIFIC PLAN / SPECIAL ZONING	20,524	16,958,445	39,702
Adaptive Reuse Overlay Zone ²	1,260	976,935	2,567
Bristol Street Corridor Specific Plan	135	143,139	282
Harbor Mixed Use Transit Corridor Specific Plan	4,622	1,967,982	1,578
MainPlace Specific Plan	1,900	2,426,923	5,380
Metro East Mixed-Use Overlay Zone	5,551	4,685,947	12,258
Midtown Specific Plan	607	1,818,253	4,615
Transit Zoning Code	6,449	4,939,266	13,022
ALL OTHER AREAS OF THE CITY³	70,574	40,325,086	95,670
CITYWIDE TOTAL	115,053	72,967,816	170,416

Source: City of Santa Ana 2020.

¹ Only includes nonresidential building square footage.

² The figures shown on the row for the Adaptive Reuse Overlay represents parcels that are exclusively in the Adaptive Reuse Overlay boundary. Figures for parcels that are within the boundaries of both the Adaptive Reuse Overlay Zone and a specific plan, other special zoning, or focus area boundary are accounted for in the respective specific plan, other special zoning, or focus area.

³ The City has included an assumption for growth on a small portion (5 percent) of residential parcels through the construction of second units, which is distributed throughout the city and is not concentrated in a subset of neighborhoods. Additional growth includes known projects in the pipeline and an increase of 10 percent in building square footage and employment for the professional office surrounding the Orange County Global Medical Center and along Broadway north of the Midtown Specific Plan.

1.3 PROJECT LOCATION

The City of Santa Ana is in the western central portion of Orange County, approximately 30 miles southwest of the city of Los Angeles and 10 miles northeast of the city of Newport Beach. The city is bordered by the city of Orange and unincorporated areas of Orange County to the north, the city of Tustin to the east, the cities of Irvine and Costa Mesa to the south, and the cities of Fountain Valley and Garden Grove to the west. In November 2019, the City annexed the 17th Street Island, a 24.78-acre area in the northeast portion of the city. The 17th Street Island is bounded by State Route 55 to the east, 17th Street to the south, and North Tustin Avenue to the west. The city also includes a portion of the Santa Ana River Drainage Channel within its sphere of influence (SOI). The city and its SOI are defined and referred to herein as the plan area.

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1.4 MITIGATION MONITORING PROGRAM ORGANIZATION

CEQA requires that a reporting or monitoring program be adopted for the conditions of project approval that are necessary to mitigate or avoid significant effects on the environment (Public Resources Code 21081.6). The mitigation monitoring and reporting program is designed to ensure compliance with adopted mitigation measures during project implementation. For each mitigation measure recommended in the Draft PEIR and Recirculated Draft PEIR, specifications are made herein that identify the action required and the monitoring and reporting that must occur. In addition, a responsible agency is identified for verifying compliance with individual conditions of approval contained in the MMRP. To effectively track and document the status of mitigation measures, a mitigation matrix has been prepared (see Table 1-3).

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Table 1-3 Mitigation Monitoring and Reporting Requirements

Mitigation Measure	Timing	Responsible Implementing Party	Responsible Monitoring Party	Document Location (Monitoring Record)	Completion Date	
					Responsible Monitoring Party	Project Mitigation Monitor
5.2 AIR QUALITY						
<p>AQ-1 Prior to discretionary approval by the City of Santa Ana for development projects subject to CEQA (California Environmental Quality Act) review (i.e., non-exempt projects), project applicants shall prepare and submit a technical assessment evaluating potential project construction-related air quality impacts to the City of Santa Ana for review and approval. The evaluation shall be prepared in conformance with South Coast Air Quality Management District (South Coast AQMD) methodology for assessing air quality impacts. If construction-related criteria air pollutants are determined to have the potential to exceed the South Coast AQMD's adopted thresholds of significance, the City of Santa Ana shall require that applicants for new development projects incorporate mitigation measures to reduce air pollutant emissions during construction activities. These identified measures shall be incorporated into all appropriate construction documents (e.g., construction management plans) submitted to the City and shall be verified by the City. Mitigation measures to reduce construction-related emissions could include, but are not limited to:</p> <ul style="list-style-type: none"> • Require fugitive-dust control measures that exceed South Coast AQMD's Rule 403, such as: <ul style="list-style-type: none"> ▪ Use of nontoxic soil stabilizers to reduce wind erosion. ▪ Apply water every four hours to active soil-disturbing activities. ▪ Tarp and/or maintain a minimum of 24 inches of freeboard on trucks hauling dirt, sand, soil, or other loose materials. • Use construction equipment rated by the United States Environmental Protection Agency as having Tier 3 (model year 2006 or newer) or Tier 4 (model year 2008 or newer) emission limits, applicable for engines between 50 and 750 horsepower. • Ensure that construction equipment is properly serviced and maintained to the manufacturer's standards. • Limit nonessential idling of construction equipment to no more than five consecutive minutes. 	Prior to discretionary approval	Project Applicant and Construction Contractor	City of Santa Ana Building Safety Division	City of Santa Ana Building Safety Division		

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Table 1-3 Mitigation Monitoring and Reporting Requirements

Mitigation Measure	Timing	Responsible Implementing Party	Responsible Monitoring Party	Document Location (Monitoring Record)	Completion Date	
					Responsible Monitoring Party	Project Mitigation Monitor
<ul style="list-style-type: none"> Limit on-site vehicle travel speeds on unpaved roads to 15 miles per hour. Install wheel washers for all exiting trucks or wash off all trucks and equipment leaving the project area. Use Super-Compliant VOC paints for coating of architectural surfaces whenever possible. A list of Super-Compliant architectural coating manufactures can be found on the South Coast AQMD's website. 						
<p>AQ-2 Prior to discretionary approval by the City of Santa Ana for development projects subject to CEQA (California Environmental Quality Act) review (i.e., non-exempt projects), project applicants shall prepare and submit a technical assessment evaluating potential project operation phase-related air quality impacts to the City of Santa Ana for review and approval. The evaluation shall be prepared in conformance with South Coast Air Quality Management District (South Coast AQMD) methodology in assessing air quality impacts. If operation-related air pollutants are determined to have the potential to exceed the South Coast AQMD's adopted thresholds of significance, the City of Santa Ana shall require that applicants for new development projects incorporate mitigation measures to reduce air pollutant emissions during operational activities. The identified measures shall be included as part of the conditions of approval. Possible mitigation measures to reduce long-term emissions could include, but are not limited to the following:</p> <ul style="list-style-type: none"> For site-specific development that requires refrigerated vehicles, the construction documents shall demonstrate an adequate number of electrical service connections at loading docks for plug-in of the anticipated number of refrigerated trailers to reduce idling time and emissions. Applicants for manufacturing and light industrial uses shall consider energy storage and combined heat and power in appropriate applications to optimize renewable energy generation systems and avoid peak energy use. 	Prior to the discretionary approval	Property Owner/ Developer	City of Santa Ana Building Safety Division	City of Santa Ana Building Safety Division		

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Table 1-3 Mitigation Monitoring and Reporting Requirements

Mitigation Measure	Timing	Responsible Implementing Party	Responsible Monitoring Party	Document Location (Monitoring Record)	Completion Date	
					Responsible Monitoring Party	Project Mitigation Monitor
<ul style="list-style-type: none"> • Site-specific developments with truck delivery and loading areas and truck parking spaces shall include signage as a reminder to limit idling of vehicles while parked for loading/unloading in accordance with California Air Resources Board Rule 2845 (13 CCR Chapter 10 § 2485). • Provide changing/shower facilities as specified in Section A5.106.4.3 of the CALGreen Code (Nonresidential Voluntary Measures). • Provide bicycle parking facilities per Section A4.106.9 (Residential Voluntary Measures) of the CALGreen Code and Sec. 41-1307.1 of the Santa Ana Municipal Code. • Provide preferential parking spaces for low-emitting, fuel-efficient, and carpool/van vehicles per Section A5.106.5.1 of the CALGreen Code (Nonresidential Voluntary Measures). • Provide facilities to support electric charging stations per Section A5.106.5.3 (Nonresidential Voluntary Measures) and Section A5.106.8.2 (Residential Voluntary Measures) of the CALGreen Code. • Applicant-provided appliances (e.g., dishwashers, refrigerators, clothes washers, and dryers) shall be Energy Star–certified appliances or appliances of equivalent energy efficiency. Installation of Energy Star–certified or equivalent appliances shall be verified by Building & Safety during plan check. • Applicants for future development projects along existing and planned transit routes shall coordinate with the City of Santa Ana and Orange County Transit Authority to ensure that bus pad and shelter improvements are incorporated, as appropriate. 						

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Table 1-3 Mitigation Monitoring and Reporting Requirements

Mitigation Measure	Timing	Responsible Implementing Party	Responsible Monitoring Party	Document Location (Monitoring Record)	Completion Date	
					Responsible Monitoring Party	Project Mitigation Monitor
AQ-3 Prior to discretionary approval by the City of Santa Ana, project applicants for new industrial or warehousing development projects that 1) have the potential to generate 100 or more diesel truck trips per day or have 40 or more trucks with operating diesel-powered transport refrigeration units, and 2) are within 1,000 feet of a sensitive land use (e.g., residential, schools, hospitals, or nursing homes), as measured from the property line of the project to the property line of the nearest sensitive use, shall submit a health risk assessment (HRA) to the City of Santa Ana for review and approval. The HRA shall be prepared in accordance with policies and procedures of the State Office of Environmental Health Hazard Assessment and the South Coast Air Quality Management District and shall include all applicable stationary and mobile/area source emissions generated by the proposed project at the project site. If the HRA shows that the incremental cancer risk and/or noncancer hazard index exceed the respective thresholds, as established by the South Coast AQMD at the time a project is considered (i.e., 10 in one million cancer risk and 1 hazard index), the project applicant will be required to identify and demonstrate that best available control technologies for toxics (T-BACTs), including appropriate enforcement mechanisms, are capable of reducing potential cancer and noncancer risks to an acceptable level. T-BACTs may include, but are not limited to, restricting idling on-site, electrifying warehousing docks to reduce diesel particulate matter, or requiring use of newer equipment and/or vehicles. T BACTs identified in the HRA shall be identified as mitigation measures in the environmental document and/or incorporated into the site plan.	Prior to future discretionary project approval	Property Owner/ Developer	City of Santa Ana Building Safety Division	City of Santa Ana Building Safety Division		
AQ-4 Prior to discretionary approval by the City of Santa Ana, if it is determined that a development project has the potential to emit nuisance odors beyond the property line, an odor management plan shall be prepared by the project applicant and submitted to the City of Santa Ana for review and approval. Facilities that have the potential to generate nuisance odors include, but are not limited to: <ul style="list-style-type: none"> Wastewater treatment plants 	Prior to future discretionary project approval	Property Owner/ Developer	City of Santa Ana Building Safety Division	City of Santa Ana Building Safety Division		

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Table 1-3 Mitigation Monitoring and Reporting Requirements

Mitigation Measure	Timing	Responsible Implementing Party	Responsible Monitoring Party	Document Location (Monitoring Record)	Completion Date	
					Responsible Monitoring Party	Project Mitigation Monitor
<ul style="list-style-type: none"> Composting, green waste, or recycling facilities Fiberglass manufacturing facilities Painting/coating operations Large-capacity coffee roasters Food-processing facilities <p>The odor management plan shall demonstrate compliance with the South Coast Air Quality Management District's Rule 402 for nuisance odors. The Odor Management Plan shall identify the best available control technologies for toxics (T-BACTs) that will be utilized to reduce potential odors to acceptable levels, including appropriate enforcement mechanisms. T-BACTs may include but are not limited to scrubbers (i.e., air pollution control devices) at the industrial facility. T-BACTs identified in the odor management plan shall be identified as mitigation measures in the environmental document prepared for the development project and/or incorporated into the project's site plan.</p>						
5.3 BIOLOGICAL RESOURCES						
BIO-1	For development or redevelopment projects that would disturb vegetated land or major stream and are subject to CEQA, a qualified biologist shall conduct an initial screening to determine whether a site-specific biological resource report is warranted. If needed, a qualified biologist shall conduct a field survey for the site and prepare a biological resource assessment for the project, including an assessment of potential impacts to sensitive species, habitats, and jurisdictional waters. The report shall recommend mitigation measures, as appropriate, to avoid or limit potential biological resource impacts to less than significant.	Concurrent with submittal of site development plans and prior to the issuance of grading permits	Project Applicant/ Developer	City of Santa Ana Building Safety Division	City of Santa Ana Building Safety Division	
5.4 CULTURAL RESOURCES						
CUL-1	Identification of Historical Resources and Potential Project Impacts. For structures 45 years or older, a Historical Resources Assessment (HRA) shall be prepared by an architectural historian or historian meeting the Secretary of the Interior's Professional	Prior to issuance of grading permits	Project Applicant/ Developer	City of Santa Ana Building Safety Division	City of Santa Ana Building Safety Division	

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Table 1-3 Mitigation Monitoring and Reporting Requirements

Mitigation Measure	Timing	Responsible Implementing Party	Responsible Monitoring Party	Document Location (Monitoring Record)	Completion Date	
					Responsible Monitoring Party	Project Mitigation Monitor
Qualification Standards. The HRA shall include: definition of a study area or area of potential effect, which will encompass the affected property and may include surrounding properties or historic district(s); an intensive level survey of the study area to identify and evaluate under federal, State, and local criteria significance historical resources that might be directly or indirectly affected by the proposed project; and an assessment of project impacts. The HRA shall satisfy federal and State guidelines for the identification, evaluation, and recordation of historical resources. An HRA is not required if an existing historic resources survey and evaluation of the property is available; however, if the existing survey and evaluation is more than five years old, it shall be updated.						
CUL-2 Use of the Secretary of the Interior's Standards. The Secretary of the Interior's Standards for the Treatment of Historic Properties shall be used to the maximum extent practicable to ensure that projects involving the relocation, conversion, rehabilitation, or alteration of a historical resource and its setting or related new construction will not impair the significance of the historical resource. Use of the Standards shall be overseen by an architectural historian or historic architect meeting the Secretary of the Interior's Professional Qualification Standards. Evidence of compliance with the Standards shall be provided to the City in the form of a report identifying and photographing character-defining features and spaces and specifying how the proposed treatment of character-defining features and spaces and related construction activities will conform to the Standards. The Qualified Professional shall monitor the construction and provide a report to the City at the conclusion of the project. Use of the Secretary's Standards shall reduce the project impacts on historical resources to less than significant.	Prior to any disturbance of a historical resource, as determined by the intensive-level historical evaluation of a property	Property Owner or Project Applicant/ Developer	City of Santa Ana Building Safety Division	City of Santa Ana Building Safety Division		

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Table 1-3 Mitigation Monitoring and Reporting Requirements

Mitigation Measure	Timing	Responsible Implementing Party	Responsible Monitoring Party	Document Location (Monitoring Record)	Completion Date	
					Responsible Monitoring Party	Project Mitigation Monitor
<p>CUL-3 Documentation, Education, and Memorialization. If the City determines that significant impacts to historical resources cannot be avoided, the City shall require, at a minimum, that the affected historical resources be thoroughly documented before issuance of any permits and may also require additional public education efforts and/or memorialization of the historical resource. Though demolition or alteration of a historical resource such that its significance is materially impaired cannot be mitigated to a less than significant level, recordation of the resource will reduce significant adverse impacts to historical resources to the maximum extent feasible. Such recordation should be prepared under the supervision of an architectural historian, historian, or historic architect meeting the Secretary of the Interior's Professional Qualification Standards and should take the form of Historic American Buildings Survey (HABS) documentation. At a minimum, this recordation should include an architectural and historical narrative; archival photographic documentation; and supplementary information, such as building plans and elevations and/or historic photographs. The documentation package should be reproduced on archival paper and should be made available to researchers and the public through accession by appropriate institutions such as the Santa Ana Library History Room, the South Central Coastal Information Center at California State University, Fullerton, and/or the HABS collection housed in the Library of Congress. Depending on the significance of the adversely affected historical resource, the City, at its discretion, may also require public education about the historical resource in the form of an exhibit, web page, brochure, or other format and/or memorialization of the historical resource on or near the proposed project site. If memorialized, such memorialization shall be a permanent installation, such as a mural, display, or other vehicle that recalls the location, appearance, and historical significance of the affected historical resource, and shall be designed in conjunction with a qualified architectural historian, historian, or historic architect.</p>	<p>Prior to the issuance of grading permits, and for any subsequent permit involving excavation to increased depth</p>	<p>Project Applicant/ Developer</p>	<p>City of Santa Ana Building Safety Division</p>	<p>City of Santa Ana Building Safety Division</p>		

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Table 1-3 Mitigation Monitoring and Reporting Requirements

Mitigation Measure	Timing	Responsible Implementing Party	Responsible Monitoring Party	Document Location (Monitoring Record)	Completion Date	
					Responsible Monitoring Party	Project Mitigation Monitor
<p>CUL-4 For projects with ground disturbance—e.g., grading, excavation, trenching, boring, or demolition that extend below the current grade—prior to issuance of any permits required to conduct ground-disturbing activities, the City shall require an Archaeological Resources Assessment be conducted under the supervision of an archaeologist that meets the Secretary of the Interior’s Professionally Qualified Standards in either prehistoric or historic archaeology. Assessments shall include a California Historical Resources Information System records search at the South Central Coastal Information Center and of the Sacred Land Files maintained by the Native American Heritage Commission. The records searches will determine if the proposed project area has been previously surveyed for archaeological resources, identify and characterize the results of previous cultural resource surveys, and disclose any cultural resources that have been recorded and/or evaluated. If unpaved surfaces are present within the project area, and the entire project area has not been previously surveyed within the past 10 years, a Phase I pedestrian survey shall be undertaken in proposed project areas to locate any surface cultural materials that may be present.</p>	Prior to the issuance of grading permits	Project Applicant/ Developer	City of Santa Ana Building Safety Division	City of Santa Ana Building Safety Division		
<p>CUL-5 If potentially significant archaeological resources are identified, and impacts cannot be avoided, a Phase II Testing and Evaluation investigation shall be performed by an archaeologist who meets the Secretary of the Interior’s Standards to determine significance prior to any ground-disturbing activities. If resources are determined significant or unique through Phase II testing, and site avoidance is not possible, appropriate site-specific mitigation measures shall be undertaken. These might include a Phase III data recovery program implemented by a qualified archaeologist and performed in accordance with the Office of Historical Preservation’s “Archaeological Resource Management Reports (ARMR): Recommended Contents and Format” (OHP 1990) and “Guidelines for Archaeological Research Designs” (OHP 1991).</p>	Prior to any ground disturbing activities	Project Applicant/ Developer	City of Santa Ana Building Safety Division	City of Santa Ana Building Safety Division		

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Table 1-3 Mitigation Monitoring and Reporting Requirements

Mitigation Measure	Timing	Responsible Implementing Party	Responsible Monitoring Party	Document Location (Monitoring Record)	Completion Date	
					Responsible Monitoring Party	Project Mitigation Monitor
CUL-6 If the archaeological assessment did not identify archaeological resources but found the area to be highly sensitive for archaeological resources, a qualified archaeologist and a Native American monitor approved by a California Native American Tribe identified by the Native American Heritage Commission as culturally affiliated with the project area shall monitor all ground-disturbing construction and pre-construction activities in areas of high sensitivity. The archaeologist shall inform all construction personnel prior to construction activities of the proper procedures in the event of an archaeological discovery. The training shall be held in conjunction with the project's initial on-site safety meeting and shall explain the importance and legal basis for the protection of significant archaeological resources. The Native American monitor shall be invited to participate in this training. In the event that archaeological resources (artifacts or features) are exposed during ground-disturbing activities, construction activities in the immediate vicinity of the discovery shall be halted while the resources are evaluated for significance by an archaeologist who meets the Secretary's Standards. This will include tribal consultation and coordination with the Native American monitor in the case of a prehistoric archaeological resource or tribal resource. If the discovery proves to be significant, the long-term disposition of any collected materials should be determined in consultation with the affiliated tribe(s), where relevant; this could include curation with a recognized scientific or educational repository, transfer to the tribe, or respectful reinterment in an area designated by the tribe.	Prior to construction activities	Project Applicant/ Developer	City of Santa Ana Building Safety Division	City of Santa Ana Building Safety Division		

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Table 1-3 Mitigation Monitoring and Reporting Requirements

Mitigation Measure	Timing	Responsible Implementing Party	Responsible Monitoring Party	Document Location (Monitoring Record)	Completion Date	
					Responsible Monitoring Party	Project Mitigation Monitor
CUL-7 If an Archaeological Resources Assessment does not identify potentially significant archaeological resources but the site has moderate sensitivity for archaeological resources (Mitigation Measure CUL-4), an archaeologist who meets the Secretary's Standards shall be retained on call. The archaeologist shall inform all construction personnel prior to construction activities about the proper procedures in the event of an archaeological discovery. The pre-construction training shall be held in conjunction with the project's initial on-site safety meeting and shall explain the importance and legal basis for the protection of significant archaeological resources. In the event that archaeological resources (artifacts or features) are exposed during ground-disturbing activities, construction activities in the immediate vicinity of the discovery shall be halted while the on-call archaeologist is contacted. The resource shall be evaluated for significance and tribal consultation shall be conducted, in the case of a tribal resource. If the discovery proves to be significant, the long-term disposition of any collected materials should be determined in consultation with the affiliated tribe(s), where relevant.	Prior to construction activities	Project Applicant/ Developer	City of Santa Ana Building Safety Division	City of Santa Ana Building Safety Division		
5.6 GEOLOGY AND SOILS						
GEO-1 High Sensitivity. Projects involving ground disturbances in previously undisturbed areas mapped as having "high" paleontological sensitivity shall be monitored by a qualified paleontological monitor on a full-time basis. Monitoring shall include inspection of exposed sedimentary units during active excavations within sensitive geologic sediments. The monitor shall have authority to temporarily divert activity away from exposed fossils to evaluate the significance of the find and, if the fossils are determined to be significant, professionally and efficiently recover the fossil specimens and collect associated data. The paleontological monitor shall use field data forms to record pertinent location and geologic data, measure stratigraphic sections (if applicable), and collect appropriate sediment samples from any fossil localities..	During ground disturbing activities	Project Applicant/ Developer	City of Santa Ana Building Safety Division	City of Santa Ana Building Safety Division		

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Table 1-3 Mitigation Monitoring and Reporting Requirements

Mitigation Measure	Timing	Responsible Implementing Party	Responsible Monitoring Party	Document Location (Monitoring Record)	Completion Date	
					Responsible Monitoring Party	Project Mitigation Monitor
GEO-2 Low-to-High Sensitivity. Prior to issuance of a grading permit for projects involving ground disturbance in previously undisturbed areas mapped with “low-to-high” paleontological sensitivity (see Figure 5.6-3), the project applicant shall consult with a geologist or paleontologist to confirm whether the grading would occur at depths that could encounter highly sensitive sediments for paleontological resources. If confirmed that underlying sediments may have high sensitivity, construction activity shall be monitored by a qualified paleontologist. The paleontologist shall have the authority to halt construction during construction activity as outlined in Mitigation Measure GEO-3.	Prior to the issuance of grading permits	Project Applicant/ Developer	City of Santa Ana Building Safety Division	City of Santa Ana Building Safety Division		
GEO-3 All Projects. In the event of any fossil discovery, regardless of depth or geologic formation, construction work shall halt within a 50-foot radius of the find until its significance can be determined by a qualified paleontologist. Significant fossils shall be recovered, prepared to the point of curation, identified by qualified experts, listed in a database to facilitate analysis, and deposited in a designated paleontological curation facility in accordance with the standards of the Society of Vertebrate Paleontology (2010). The most likely repository is the Natural History Museum of Los Angeles County. The repository shall be identified and a curatorial arrangement shall be signed prior to collection of the fossils.	During ground disturbing activities	Project Applicant/ Developer	City of Santa Ana Building Safety Division	City of Santa Ana Building Safety Division		
5.7 GREENHOUSE GAS EMISSIONS						
GHG-1 The City of Santa Ana shall update the Climate Action Plan (CAP) every five years to ensure the City is monitoring the plan’s progress toward achieving the City’s greenhouse gas (GHG) reduction target and to require amendment if the plan is not achieving the specified level. The update shall consider a trajectory consistent with the GHG emissions reduction goal established under Executive Order S-03-05 for year 2050 and the latest applicable statewide legislative GHG emission reduction that may be in effect at the time of the CAP update (e.g., Senate Bill 32 for year 2030). The CAP update shall include the following:	Every five years	City of Santa Ana Building Safety Division in coordination with Project Applicant/ Developer	City of Santa Ana Building Safety Division	City of Santa Ana Building Safety Division		

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<ul style="list-style-type: none"> GHG inventories of existing and forecast year GHG levels. Tools and strategies for reducing GHG emissions to ensure a trajectory with the long-term GHG reduction goal of Executive Order S-03-05. Plan implementation guidance that includes, at minimum, the following components consistent with the proposed CAP: <ul style="list-style-type: none"> Administration and Staffing Finance and Budgeting Timelines for Measure Implementation Community Outreach and Education Monitoring, Reporting, and Adaptive Management Tracking Tools <p>Furthermore, the following measures will be considered when the City updates the Climate Action Plan:</p> <ul style="list-style-type: none"> Measures to protect the most vulnerable populations Measure to increase carbon sinks Standards for electric vehicle parking Standards for construction projects 						
5.12 NOISE						
<p>N-1 Construction contractors shall implement the following measures for construction activities conducted in the City of Santa Ana. Construction plans submitted to the City shall identify these measures on demolition, grading, and construction plans submitted to the City: The City of Santa Ana Planning and Building Agency shall verify that grading, demolition, and/or construction plans submitted to the City include these notations prior to issuance of demolition, grading, and/or building permits.</p> <ul style="list-style-type: none"> Construction activity is limited to the hours: Between 7 AM to 8 PM Monday through Saturday, as prescribed in Municipal Code Section 18-314(e). Construction is prohibited on Sundays. During the entire active construction period, equipment and trucks used for project construction shall use the best-available noise control techniques (e.g., improved mufflers, equipment re-design, 	Prior to issuance of demolition, grading, and/or building permits	Project Applicant/ Developer and Architect	City of Santa Ana Building Safety Division	City of Santa Ana Building Safety Division		

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<p>use of intake silencers, ducts, engine enclosures, and acoustically attenuating shields or shrouds), wherever feasible.</p> <ul style="list-style-type: none"> • Impact tools (e.g., jack hammers and hoe rams) shall be hydraulically or electrically powered wherever possible. Where the use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used along with external noise jackets on the tools. • Stationary equipment, such as generators and air compressors shall be located as far as feasible from nearby noise-sensitive uses. • Stockpiling shall be located as far as feasible from nearby noise-sensitive receptors. • Construction traffic shall be limited, to the extent feasible, to approved haul routes established by the City Planning and Building Agency. • At least 10 days prior to the start of construction activities, a sign shall be posted at the entrance(s) to the job site, clearly visible to the public, that includes permitted construction days and hours, as well as the telephone numbers of the City's and contractor's authorized representatives that are assigned to respond in the event of a noise or vibration complaint. If the authorized contractor's representative receives a complaint, he/she shall investigate, take appropriate corrective action, and report the action to the City. • Signs shall be posted at the job site entrance(s), within the on-site construction zones, and along queueing lanes (if any) to reinforce the prohibition of unnecessary engine idling. All other equipment shall be turned off if not in use for more than 5 minutes. • During the entire active construction period and to the extent feasible, the use of noise-producing signals, including horns, whistles, alarms, and bells, shall be for safety warning purposes only. The construction manager shall use smart back-up alarms, which automatically adjust the alarm level based on the 						

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<p>background noise level or switch off back-up alarms and replace with human spotters in compliance with all safety requirements and laws.</p> <ul style="list-style-type: none"> Erect temporary noise barriers (at least as high as the exhaust of equipment and breaking line-of-sight between noise sources and sensitive receptors), as necessary and feasible, to maintain construction noise levels at or below the performance standard of 80 dBA Leq. Barriers shall be constructed with a solid material that has a density of at least 4 pounds per square foot with no gaps from the ground to the top of the barrier. 						
<p>N-2 Prior to issuance of a building permit for a project requiring pile driving during construction within 135 feet of fragile structures, such as historical resources, 100 feet of non-engineered timber and masonry buildings (e.g., most residential buildings), or within 75 feet of engineered concrete and masonry (no plaster); or a vibratory roller within 25 feet of any structure, the project applicant shall prepare a noise and vibration analysis to assess and mitigate potential noise and vibration impacts related to these activities. This noise and vibration analysis shall be conducted by a qualified and experienced acoustical consultant or engineer. The vibration levels shall not exceed Federal Transit Administration (FTA) architectural damage thresholds (e.g., 0.12 inches per second [in/sec] peak particle velocity [PPV] for fragile or historical resources, 0.2 in/sec PPV for non-engineered timber and masonry buildings, and 0.3 in/sec PPV for engineered concrete and masonry). If vibration levels would exceed this threshold, alternative uses such as drilling piles as opposed to pile driving and static rollers as opposed to vibratory rollers shall be used. If necessary, construction vibration monitoring shall be conducted to ensure vibration thresholds are not exceeded.</p>	<p>Prior to the issuance of building permits</p>	<p>Project Applicant/ Developer</p>	<p>City of Santa Ana Building Safety Division</p>	<p>City of Santa Ana Building Safety Division</p>		
<p>N-3 New residential projects (or other noise-sensitive uses) located within 200 feet of existing railroad lines shall be required to conduct a groundborne vibration and noise evaluation consistent with Federal Transit Administration (FTA)-approved methodologies.</p>	<p>Prior to the issuance of building permits</p>	<p>Project Applicant/ Developer</p>	<p>City of Santa Ana Building Safety Division</p>	<p>City of Santa Ana Building Safety Division</p>		

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N-4 During the project-level California Environmental Quality Act (CEQA) process for industrial developments under the General Plan Update or other projects that could generate substantial vibration levels near sensitive uses, a noise and vibration analysis shall be conducted to assess and mitigate potential noise and vibration impacts related to the operations of that individual development. This noise and vibration analysis shall be conducted by a qualified and experienced acoustical consultant or engineer and shall follow the latest CEQA guidelines, practices, and precedents.	Prior to the issuance of building permits	Project Applicant/ Developer and Acoustical Engineer	City of Santa Ana Building Safety Division	City of Santa Ana Building Safety Division		
5.15 RECREATION						
REC-1 The City shall monitor new residential development within the Dyer/55 Fwy focus area. Development proposals for projects including 100 or more residential units shall be required to prepare a public park utilization study to evaluate the project's potential impacts on existing public parks within a one half (1/2) mile radius to the focus area. The evaluation shall include the population increase due to the project and the potential for the new resident population to impact existing public parks within the radius. Each study shall also consider the cumulative development in the Dyer/55 Fwy and the potential for a cumulative impact on existing public parks within the radius. If the study determines that the project, or it's incremental cumulative impacts would result in a significant impact (substantial physical deterioration or substantial acceleration of deterioration) to existing public parks, the project shall be required to mitigate this impact. Measures to mitigate the significant impact may include but are not limited to land dedication and fair-share contribution to acquire new or to enhance existing public parks within the radius. Mitigation shall be completed prior to issuance of occupancy permits.	Prior to the issuance of occupancy permits	Project Applicant/ Developer	City of Santa Ana Building Safety Division	City of Santa Ana Building Safety Division		
5.16 TRIBAL CULTURAL RESOURCES						
CUL-4 For projects with ground disturbance—e.g., grading, excavation, trenching, boring, or demolition that extend below the current grade—prior to issuance of any permits required to conduct ground-disturbing	Prior to the issuance of grading permits	Project Applicant/ Developer	City of Santa Ana Building Safety Division	City of Santa Ana Building		

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<p>activities, the City shall require an Archaeological Resources Assessment be conducted under the supervision of an archaeologist that meets the Secretary of the Interior's Professionally Qualified Standards in either prehistoric or historic archaeology.</p> <p>Assessments shall include a California Historical Resources Information System records search at the South Central Coastal Information Center and of the Sacred Land Files maintained by the Native American Heritage Commission. The records searches will determine if the proposed project area has been previously surveyed for archaeological resources, identify and characterize the results of previous cultural resource surveys, and disclose any cultural resources that have been recorded and/or evaluated. If unpaved surfaces are present within the project area, and the entire project area has not been previously surveyed within the past 10 years, a Phase I pedestrian survey shall be undertaken in proposed project areas to locate any surface cultural materials that may be present.</p>				Safety Division		
<p>CUL-5 If potentially significant archaeological resources are identified, and impacts cannot be avoided, a Phase II Testing and Evaluation investigation shall be performed by an archaeologist who meets the Secretary of the Interior's Standards to determine significance prior to any ground-disturbing activities. If resources are determined significant or unique through Phase II testing, and site avoidance is not possible, appropriate site-specific mitigation measures shall be undertaken. These might include a Phase III data recovery program implemented by a qualified archaeologist and performed in accordance with the Office of Historical Preservation's "Archaeological Resource Management Reports (ARMR): Recommended Contents and Format" (OHP 1990) and "Guidelines for Archaeological Research Designs" (OHP 1991).</p>	Prior to any ground disturbing activities	Project Applicant/ Developer	City of Santa Ana Building Safety Division	City of Santa Ana Building Safety Division		
<p>CUL-6 If the archaeological assessment did not identify archaeological resources but found the area to be highly sensitive for archaeological resources, a qualified archaeologist shall monitor all ground-disturbing construction and pre-construction activities in areas with previously</p>	Prior to construction activities	Project Applicant/ Developer	City of Santa Ana Building Safety Division	City of Santa Ana Building Safety Division		

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undisturbed soil. The archaeologist shall inform all construction personnel prior to construction activities of the proper procedures in the event of an archaeological discovery. The training shall be held in conjunction with the project's initial on-site safety meeting and shall explain the importance and legal basis for the protection of significant archaeological resources. In the event that archaeological resources (artifacts or features) are exposed during ground-disturbing activities, construction activities in the immediate vicinity of the discovery shall be halted while the resources are evaluated for significance by an archaeologist who meets the Secretary's Standards, and tribal consultation shall be conducted in the case of a tribal resource. If the discovery proves to be significant, the long-term disposition of any collected materials should be determined in consultation with the affiliated tribe(s), where relevant; this could include curation with a recognized scientific or educational repository, transfer to the tribe, or respectful reinterment in an area designated by the tribe.						
CUL-7 If an Archaeological Resources Assessment does not identify potentially significant archaeological resources but the site has moderate sensitivity for archaeological resources (Mitigation Measure CUL-4), an archaeologist who meets the Secretary's Standards shall be retained on call. The archaeologist shall inform all construction personnel prior to construction activities about the proper procedures in the event of an archaeological discovery. The pre-construction training shall be held in conjunction with the project's initial on-site safety meeting and shall explain the importance and legal basis for the protection of significant archaeological resources. In the event that archaeological resources (artifacts or features) are exposed during ground-disturbing activities, construction activities in the immediate vicinity of the discovery shall be halted while the on-call archaeologist is contacted. The resource shall be evaluated for significance and tribal consultation shall be conducted, in the case of a tribal resource. If the discovery proves to be significant, the long-term disposition of any	Prior to construction activities	Project Applicant/ Developer	City of Santa Ana Building Safety Division	City of Santa Ana Building Safety Division		

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collected materials should be determined in consultation with the affiliated tribe(s), where relevant.						

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