

APPENDIX A

Mitigation Monitoring and Reporting Program

Kammerer Road/Highway 99 Sphere of Influence Amendment Mitigation Monitoring and Reporting Program

LAFC#07-15

State Clearinghouse Number: 2016032015



Prepared for:



Sacramento Local Agency
Formation Commission

AECOM

November 2017

Kammerer Road/Highway 99 Sphere of Influence Amendment Mitigation Monitoring and Reporting Program

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ACRONYMS AND OTHER ABBREVIATIONS

ATCM	Airborne Toxic Control Measure
ARB	California Air Resources Board
BMPs	best management practices
CCSD	Cosumnes Community Services District
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
City	City of Elk Grove
CNEL	Community Noise Equivalent Level
Conservation Operator	third-party, nonprofit conservation organization
County	Sacramento
CWA	Clean Water Act
dBA	A-weighted decibels
dbh	diameter at breast height
EGPD	City of Elk Grove's Police Department
EPA	Environmental Protection Agency
ESA	Federal Endangered Species Act
FEIR	Final Environmental Impact Report
GHG	greenhouse gas
HEPA	High Efficiency Particle Arresting
HVAC	heating ventilation and air conditioning
LAFCo	Sacramento Local Agency Formation Commission
L _{dn}	Day-Night Noise Level
LOS	level of service
MERV	Minimum Efficiency Reporting Value
MMRP	Mitigation Monitoring and Reporting Program
mph	miles per hour
NAHC	Native American Heritage Commission
PG&E	Pacific Gas and Electric Company
PM	particulate matter
PM _{2.5}	particulate matter with aerodynamic diameter less than 2.5 microns
proposed project	proposed Sphere of Influence Amendment
ROG	reactive organic gas
RWQCB	Regional Water Quality Control Board
SCSD	Sacramento County Sheriff's Department
SCWA	Sacramento County Water Agency
SMAQMD	Sacramento Metropolitan Air Quality Management District
SMUD	Sacramento Municipal Utility District
SOIA	Sphere of Influence Amendment
SRCS	Sacramento Regional County Sanitation District
SRWTP	Sacramento Regional Wastewater Treatment Plant
SSHCP	South Sacramento Habitat Conservation Plan
STC	Sound Transmission Class
SWPPP	stormwater pollution prevention plan
TAC	toxic air contaminant
TRU	transport refrigeration unit
USACE	U.S. Army Corps of Engineers
USFWS	U.S. Fish and Wildlife Service

MITIGATION MONITORING AND REPORTING PROGRAM

CALIFORNIA ENVIRONMENTAL QUALITY ACT REQUIREMENT

Where a California Environmental Quality Act (CEQA) document has identified significant environmental effects, Public Resources Code Section 21081.6 requires adoption of a “reporting or monitoring program for the changes to the project which it has adopted or made a condition of a project approval to mitigate or avoid significant effects on the environment.”

This Environmental Mitigation Monitoring and Reporting Program (MMRP) has been prepared to provide for the monitoring of mitigation measures required of the Kammerer Road/Highway 99 Sphere of Influence Amendment (SOIA) (proposed project), as set forth in the Final Environmental Impact Report (FEIR).

Sacramento Local Agency Formation Commission (LAFCo) is the Lead Agency that must adopt the MMRP for development and operation of the project. This report will be kept on file with Sacramento Local Agency Formation Commission, 1112 I Street, Suite 100 Sacramento, California 95814.

The CEQA Statutes and Guidelines provide direction for clarifying and managing the complex relationships between a Lead Agency and other agencies with implementing and monitoring mitigation measures. In accordance with CEQA Guidelines Section 15097(d), “each agency has the discretion to choose its own approach to monitoring or reporting; and each agency has its own special expertise.” This discretion will be exercised by implementing agencies at the time they undertake any of portion of the project, as identified in the EIR.

PURPOSE OF MITIGATION MONITORING AND REPORTING PROGRAM

The intent of the MMRP is to ensure the effective implementation and enforcement of adopted mitigation measures. The MMRP is intended to be used by City staff and others responsible for project implementation.

This document identifies the individual mitigation measures, the party responsible for monitoring implementation of the measure, the timing of implementation, and space to confirm implementation of the mitigation measures.

ROLES AND RESPONSIBILITIES

The City will oversee monitoring and documenting the implementation of mitigation measures. The project applicant or its construction contractor is responsible for fully understanding and effectively implementing all of the mitigation measures contained within this MMRP. Certain mitigation measures also will require that the applicant coordinate or consult with one or more other public agencies in implementing mitigation measures specified herein.

CHANGES TO MITIGATION MEASURES

Any substantive change in the MMRP is required to be reported in writing. Modifications to the mitigation measures may be made by the City, subject to one of the following findings, and documented by evidence included in the public record:

- ▶ The mitigation measure included in the FEIR and the MMRP is no longer required because the significant environmental impact identified in the FEIR has been found not to exist, or to occur at a level which makes the impact less than significant as a result of changes in the project, changes in environment conditions, or other factors.

OR,

- ▶ The modified or substitute mitigation measure provides a level of environmental protection equal to, or greater than that afforded by the mitigation measure included in the FEIR and the MMRP; and,
- ▶ The modified or substitute mitigation measure or measures do not have significant adverse effects on the environment in addition to, or greater than those which were considered by the responsible hearing bodies in their decisions on the FEIR and the proposed project; and,
- ▶ The modified or substitute mitigation measures are feasible, and the City, through measures included in the MMRP or other City procedures, can ensure implementation.

SUPPORT DOCUMENTATION

Findings and related documentation supporting the findings involving modifications to mitigation measures shall be maintained in the project file with this MMRP and shall be made available to the public upon request.

This MMRP will be kept on file at:

Sacramento Local Agency Formation Commission
1112 I Street, Suite 100
Sacramento, CA 95814

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3.1. Aesthetics					
3.1-1	<p>Avoid Tree Removal to the Extent Feasible At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall impose the following conditions on all discretionary projects:</p> <p>(1) Trees that function as an important part of the City’s or a neighborhood’s aesthetic character or as natural habitat should be retained to the extent feasible during the development of new structures, roadways (public and private, including roadway widening), parks, drainage channels, and other uses and structures.</p> <p>(2) If trees cannot be preserved on-site, the City may require off-site mitigation or payment of an in-lieu fee. Trees that cannot be preserved shall be replaced either on- or off-site as required by the City, and trees planted for mitigation should be located in the same watershed as the trees that were removed, when feasible.</p>				
3.1-2	<p>Reduce Light and Glare At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall impose the following condition on all discretionary projects:</p> <ul style="list-style-type: none"> All projects in the SOIA Area shall comply with the City of Elk Grove’s Citywide Design Guidelines by minimizing the use of reflective materials in building design to reduce the potential impacts of daytime glare and designing outdoor light fixtures to be directed/shielded downward and screened to avoid nighttime lighting spillover effects on adjacent land uses and nighttime sky glow conditions. 				
3.2. Agricultural Resources					
3.2-1	<p>Preserve Agricultural Land At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall require that applicants protect one (1) acre of existing farmland land of equal or higher quality for each acre of Prime Farmland, Unique Farmland, or Farmland of Statewide Importance that would be developed as a result of the project. This protection may consist of the establishment of a farmland conservation easement, farmland deed restriction, or other appropriate farmland conservation mechanism to ensure the preservation of the land from conversion in perpetuity, but may also be utilized for compatible wildlife habitat conservation efforts (e.g., Swainson’s hawk</p>				

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	<p>foraging habitat mitigation) that substantially impairs or diminishes the agricultural productivity of the land. The farmland/wildlife habitat land to be preserved must have adequate water supply to support agricultural use. The City shall consider the benefits of preserving farmlands in proximity to other protected lands.</p> <p>The total acres of land conserved will be based on the total on-site agriculture acreage converted to urban uses. Conserved agriculture areas may include areas on the project site, lands secured for permanent habitat enhancement (e.g., giant garter snake habitat, Swainson’s hawk habitat), or additional land identified by the City. The City shall attempt to locate preserved farmland within 5 miles of the SOIA Area; however, the preserved farmland shall at a minimum be located inside Sacramento County. The City shall impose the conservation easement content standards to include, at a minimum: land encumbrance documentation; documentation that the easements are permanent, monitored, and appropriately endowed; prohibition of activity which substantially impairs or diminishes the agricultural productivity of the land; and protection of water rights.</p> <p>In addition, the City shall impose the following minimum conservation easement content standards:</p> <ol style="list-style-type: none"> a) All owners of the agricultural/wildlife habitat mitigation land shall execute the document encumbering the land. b) The document shall be recordable and contain an accurate legal description of the agricultural/wildlife habitat mitigation land. c) The document shall prohibit any activity that substantially impairs or diminishes the agricultural productivity of the land. If the conservation easement is also proposed for wildlife habitat mitigation purposes, the document shall also prohibit any activity that substantially impairs or diminishes the wildlife habitat suitability of the land. d) The document shall protect any existing water rights necessary to maintain agricultural uses on the land covered by the document and retain such water rights for ongoing use on the agricultural/wildlife habitat mitigation land. e) Interests in agricultural/habitat mitigation land shall be held in trust by an entity acceptable to the City and/or by the City in perpetuity. The entity shall not sell, lease, or convey any interest in agricultural/wildlife habitat mitigation land that it acquires without the City’s prior written approval. 				

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	<p>f) The applicant shall pay to the City an agricultural/wildlife habitat mitigation monitoring fee to cover the costs of administering, monitoring, and enforcing the document in an amount determined by the receiving entity, in an amount determined by the City.</p> <p>g) The City shall be named a beneficiary under any document conveying the interest in the agricultural/wildlife habitat mitigation land to an entity acceptable to the City.</p> <p>h) If any qualifying entity owning an interest in agricultural/wildlife habitat mitigation land ceases to exist, the duty to hold, administer, monitor, and enforce the interest shall be transferred to another entity acceptable to the City or transferred to the City.</p> <p>Before committing to the preservation of any particular farmland pursuant to this measure, the project proponent shall obtain the City’s approval of the farmland proposed for preservation.</p>				
3.2-2	<p>Prepare an Agricultural Land Use Compatibility Plan At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall prepare an agricultural land use compatibility plan for the SOIA Area. The plan shall include implementation of the City’s Agricultural Activities ordinance (Municipal Code, Chapter 14.05, “Agricultural Activities”), as required under Elk Grove General Plan Policy CAQ-4-Action 1, site design, screening, fencing, landscaping, and setbacks. Prospective buyers of property adjacent to agricultural land shall be notified through the title report that they could be subject to inconvenience or discomfort resulting from accepted farming activities as per provisions of the City’s Agricultural Activities ordinance (City of Elk Grove Municipal Code Chapter 14.05).</p>				
3.3. Air Quality					
3.3-1	<p>Apply SMAQMD Basic Construction Emission Control Practices At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall require that all discretionary projects comply with Basic Construction Emission Control Practices identified by the SMAQMD and listed below or Basic Construction Emission Control Practices as they may be updated in the future:</p> <ul style="list-style-type: none"> • Water all exposed surfaces two times daily. Exposed surfaces include, but are not limited to soil piles, graded areas, unpaved parking areas, staging areas, and access roads. 				

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	<ul style="list-style-type: none"> • Cover or maintain at least two feet of free board space on haul trucks transporting soil, sand, or other loose material on the site. Any haul trucks that would be traveling along freeways or major roadways should be covered. • Use wet power vacuum street sweepers to remove any visible track out mud or dirt onto adjacent public roads at least once a day. Use of dry powered sweeping is prohibited. • Limit vehicle speeds on unpaved roads to 15 miles per hour (mph). • All roadways, driveways, sidewalks, parking lots to be paved should be completed as soon as possible. In addition, building pads should be laid as soon as possible after grading unless seeding or soil binders are used. • Minimize idling time either by shutting equipment off when not in use or reducing the time of idling to 5 minutes [required by California Code of Regulations, Title 13, sections 2449(d) and 2485]. Provide clear signage that posts this requirement for workers at the entrances to the site. • Maintain all construction equipment in proper working condition according to manufacturer’s specifications. The equipment must be checked by a certified mechanic and determine to be running in proper condition before it is operated. 				
3.3-2a	<p>Prepare an Air Quality Plan to Reduce Potential Operational Emissions At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall require all discretionary projects to prepare an Air Quality Management Plan that includes strategies to reduce or offset operational reactive organic gas (ROG) emissions by at least 35 percent compared to each project without the application of air pollutant emission reduction strategies. The Air Quality Management Plan can include policies and emissions reduction measures demonstrating compliance with the City of Elk Grove’s General Plan Conservation and Air Quality Element, in addition to reduction measures identified by the SMAQMD.</p>				
3.3-2b	<p>Prepare Bicycle, Pedestrian, and Transit Master Plan At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall require that all discretionary projects prepare a bicycle, pedestrian, and transit master plan consistent with policies CAQ-29, CI-1, CI-3, CI-4, CI-5, and CI-7 and actions CAQ-29-Action 1 and CAQ-29-Action 2 of the City’s General Plan and Elk Grove Climate Action Plan reduction measures TACM-4, TACM-5, TACM-6, and TACM-11. This plan</p>				

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	will identify primary pedestrian and bicycle connections to nearby destinations and to planned public transit stops. This plan will identify the routes to be used for transit service and locations for future stops. Future development within the SOIA Area shall be responsible for implementing the master plan recommendations.				
3.3-3	<p>Assess and Reduce Potential Construction-Related and Operational 11/3/2017-Related Effects</p> <p>At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall require all discretionary projects (both concurrent and subsequent projects) with the potential to generate substantial TAC emissions require a project-level analysis with appropriate mitigation, as necessary, to ensure that sensitive receptors are not exposed to substantial pollutant concentrations. In communication with the SMAQMD, the City will require, if necessary, a site-specific analysis for construction and operational activities to determine whether health risks attributable to future proposed projects in relation to proposed, planned, and/or existing sensitive receptors would exceed applicable health risk thresholds of significance. Site-specific analysis may include screen level analysis, dispersion modeling, and/or a health risk assessment, consistent with applicable guidance from the SMAQMD. Analyses shall take into account regulatory requirements for proposed uses.</p> <p>The City shall require the project applicant(s) to identify and implement feasible mitigation measures to reduce any potentially significant effect and communicate with the SMAQMD to identify measures to reduce exposure of sensitive receptors to substantial pollutant concentrations to levels consistent with thresholds recommended by the SMAQMD applicable at the time the project is proposed. If the SMAQMD does not have applicable thresholds at the time of this analysis, the thresholds will be an increased cancer risk of 10.0 in a million or more attributable to the project, and an increased non-cancer risk of 1.0 Hazard Index (chronic or acute) or more attributable to the project. If the project would exceed applicable thresholds recommended by the SMAQMD under existing plus project or cumulative conditions, mitigation will be required to reduce the impact to a less-than-significant level.</p> <p>Construction</p> <p>If analysis demonstrates that construction activities associated with development of on-site land uses or off-site improvement components within the proposed SOIA Area would exceed the performance standards identified in</p>				

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	<p>this mitigation measure, actions shall be taken to reduce potential construction-related impacts including, but not necessarily limited to:</p> <ul style="list-style-type: none"> • installing diesel particulate filters or implementing other ARB-verified diesel emission control strategies on all construction equipment to further reduce diesel PM emissions beyond the 45% reduction required by the District’s Enhanced Exhaust Control Practices; • use of equipment that meets Tier 4 emission standards; (or newer phase equipment standards in place at the time of future development); • using equipment during time when receptors are not present (e.g., when school is not in session or during non-school hours, or when office buildings are unoccupied); • establishing staging areas for the construction equipment that are as far as possible from sensitive receptors; • establishing an electrical supply to the construction site and use electric-powered equipment instead of diesel-powered equipment or generators, where feasible; • using haul trucks with on-road engines instead of off-road engines even for on-site hauling; • equipping nearby buildings with High Efficiency Particle Arresting (HEPA) filters systems at all mechanical air intake points to the building to reduce the levels of diesel PM that enter buildings; • equip nearby buildings with appropriate filtration systems at all mechanical air intake points to the building to reduce the levels of diesel PM that enter the buildings; • planning construction phasing to be linear so that future construction activities continue to move further away from occupied land uses; and/or • planning construction phasing to complete mass site grading, which generates the largest portion of diesel PM emissions, prior to occupancy of the project site. <p>Operational If the results of analysis for the operational activities of any component within the proposed SOIA Area determine that the performance standard for this mitigation would be exceeded, actions shall be taken to reduce potential operational impacts including, but not necessarily limited to:</p>				

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	<ul style="list-style-type: none"> • locating air intakes and designing windows to reduce particulate matter exposure by, for example, not allowing windows facing the source to open; • posting signs at all loading docks and truck loading areas which indicate that diesel-powered delivery trucks must be shut off when not in use for longer than five (5) minutes on the premises in order to reduce idling emissions (consistent with the ATCM to Limit Diesel-Fueled Commercial Motor Vehicle Idling); • providing electrification hook-ups for TRUs to avoid diesel-fueled TRUs continuing to operate at loading docks during loading and unloading operations; • requiring the TAC-generating activity (e.g., loading docks) be located away from sensitive receptors; • incorporating exhaust emission controls on mobile and/or stationary sources (e.g., filters, oxidizers); • evaluate the potential to consolidate delivery or haul truck trips to increase the load and decrease vehicle trips; • provide building air filtration units with a Minimum Efficiency Reporting Value (MERV) that is adequate to address adjacent sensitive land uses according to performance standards of this mitigation measure. For example, MERV 16 filters have been found to remove up to 90 percent of PM_{2.5}, when used in combination with heating ventilation and air conditioning (HVAC) units; • ensure adequate distance between existing and planned sensitive receptors and gasoline dispensing facilities, based on the proposed size and design of any gasoline-dispensing facilities, consistent with guidance from ARB and in consultation with SMAQMD. 				
3.3-4	<p>Assess and Reduce Odor Exposure Effects At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall require all discretionary projects to review existing sources of odor in and around the project site, including (but not limited to) any land use referenced in SMAQMD’s CEQA Guide to Air Quality Assessment document as an odor-generating land use. Discretionary projects will be required to address odor impacts that will protect sensitive land uses in consultation with SMAQMD. Methods to address odor impacts may include buffers and emission source controls.</p>				

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3.4. Biological Resources					
3.4-1	<p>Conduct Special-status Plant Surveys; Implement Compensatory Mitigation for Special-status Plants</p> <p>At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall require all discretionary projects to implement the following measures to mitigate the potential loss of special-status plant species:</p> <ul style="list-style-type: none"> • Retain a qualified botanist to conduct protocol-level preconstruction special-status plant surveys for potentially occurring species for each future proposed project. All plant species encountered on the project site shall be identified to the taxonomic level necessary to determine species status. The surveys shall be conducted no more than 5 years prior and no later than the blooming period immediately preceding the approval of a grading or improvement plan or any ground disturbing activities, including grubbing or clearing. • Notify CDFW, as required by the California Native Plant Protection Act, if any special-status plants are found on the project site. Notify the USFWS if any plant species listed under the Endangered Species Act are found. • Develop a mitigation and monitoring plan to compensate for the loss of special-status plant species found during preconstruction surveys, if any. The mitigation and monitoring plan shall be submitted to CDFW or USFWS, as appropriate depending on species status, for review and comment. The City shall consult with these entities, as appropriate depending on species status, before approval of the plan to determine the appropriate mitigation measures for impacts on any special-status plant population. Mitigation measures may include preserving and enhancing existing on-site populations, creation of off-site populations on project mitigation sites through seed collection or transplantation, and/or preserving occupied habitat off-site in sufficient quantities to offset loss of occupied habitat or individuals. • If transplantation is part of the mitigation plan, the plan shall include a description and map of mitigation sites, details on the methods to be used, including collection, storage, propagation, receptor site preparation, installation, long-term protection and management, monitoring and reporting requirements, remedial action responsibilities should the initial effort fail to meet long-term monitoring requirements, and sources of 				

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	<p>funding to purchase, manage, and preserve the sites. The following performance standards shall be applied:</p> <ul style="list-style-type: none"> – The extent of occupied area and the flower density in compensatory reestablished populations shall be equal to or greater than the affected occupied habitat and shall be self-producing. <p>Reestablished populations shall be considered self-producing when:</p> <ul style="list-style-type: none"> – plants re-establish annually for a minimum of 5 years with no human intervention, such as supplemental seeding; and – re-established habitats contain an occupied area and flower density comparable to existing occupied habitat areas in similar habitat types. • If off-site mitigation includes dedication of conservation easements, purchase of mitigation credits, or other off-site conservation measures, the details of these measures shall be included in the mitigation plan, including information on responsible parties for long-term management, conservation easement holders, long-term management requirements, and other details, as appropriate to target the preservation of long term viable populations. 				
3.4-2a	<p>Avoid Direct Loss of Swainson’s Hawk and Other Raptors At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall require all discretionary projects to implement the following measures to mitigate the potential loss of nesting Swainson’s hawks and other nesting raptors:</p> <ul style="list-style-type: none"> • Tree and vegetation removal shall be completed during the nonbreeding season for raptors (September 1–February 31). • To avoid, minimize, and mitigate potential impacts on Swainson’s hawk and other raptors (not including burrowing owl) nesting on or adjacent to the SOIA Area or possible off-site improvement areas, retain a qualified biologist to conduct preconstruction surveys and identify active nests on and within 0.5 mile of the project site for construction activities conducted during the breeding season (March 1–August 31). The surveys shall be conducted before the approval of grading and/or improvement plans (as applicable) and no less than 14 days and no more than 30 days before the beginning of construction. Guidelines provided in <i>Recommended Timing and Methodology for Swainson’s Hawk Nesting Surveys in the Central Valley</i> (Swainson’s Hawk Technical Advisory Committee 2000) shall be 				

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	<p>followed for surveys for Swainson’s hawk. If no nests are found, no further mitigation will be required.</p> <ul style="list-style-type: none"> Impacts on nesting Swainson’s hawks and other raptors shall be avoided by establishing appropriate buffers around active nest sites identified during preconstruction raptor surveys. No project activity shall commence within the buffer areas until a qualified biologist has determined, in consultation with CDFW, the young have fledged, the nest is no longer active, or reducing the buffer would not result in nest abandonment. CDFW guidelines recommend implementation of 0.25- or 0.5-mile-wide buffers for Swainson’s hawk nests, but the size of the buffer may be decreased if a qualified biologist and the City, in consultation with CDFW, determine that such an adjustment would not be likely to adversely affect the nest. The appropriate no-disturbance buffer for other raptor nests (i.e., species other than Swainson’s hawk) shall be determined by a qualified biologist based on site-specific conditions, the species of nesting bird, nature of the project activity, visibility of the disturbance from the nest site, and other relevant circumstances. Monitoring of all active raptor nests by a qualified biologist during construction activities will be required if the activity has potential to adversely affect the nest. If construction activities cause the nesting bird to vocalize, make defensive flights at intruders, get up from a brooding position, or fly off the nest, then the no-disturbance buffer shall be increased until the agitated behavior ceases. The exclusionary buffer will remain in place until the chicks have fledged or as otherwise determined appropriate by a qualified biologist. 				
3.4-2b	<p>Avoid Loss of Burrowing Owl At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall require all discretionary projects to implement the following measures to mitigate the potential loss of burrowing owl:</p> <ul style="list-style-type: none"> To avoid, minimize, and mitigate potential impacts on burrowing owl, applicants for each future project shall retain a qualified biologist to conduct focused breeding and nonbreeding season surveys for burrowing owls in areas of suitable habitat on and within 1,500 feet of the project site. Surveys will be conducted prior to the start of construction activities 				

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	<p>for each project and in accordance with Appendix D of CDFW's Staff Report on Burrowing Owl Mitigation (2012).</p> <ul style="list-style-type: none"> • If no occupied burrows are found, a letter report documenting the survey methods and results will be submitted to the City and CDFW and no further mitigation will be required. • If an active burrow is found during the nonbreeding season (September 1 through January 31), owls will be relocated to suitable habitat outside of the project area using passive or active methodologies developed in consultation with CDFW and may include active relocation to preserve areas if approved by CDFW and the preserve managers. No burrowing owls will be excluded from occupied burrows until a burrowing owl exclusion and relocation plan is developed by the project applicant and approved by CDFW. • If an active burrow is found during the breeding season (February 1 through August 31), occupied burrows will not be disturbed and will be provided with a 150- to 1,500-foot protective buffer unless a qualified biologist verifies through noninvasive means that either: (1) the birds have not begun egg laying, or (2) juveniles from the occupied burrows are foraging independently and are capable of independent survival. The size of the buffer will depend on the time of year and level of disturbance, as outlined in the CDFW Staff Report (2012, pg 9). Once the fledglings are capable of independent survival, the owls will be relocated to suitable habitat outside the project area in accordance with a burrowing owl exclusion and relocation plan developed in consultation with CDFW and the burrow will be destroyed to prevent owls from reoccupying it. No burrowing owls will be excluded from occupied burrows until a burrowing owl exclusion and relocation plan is approved by CDFW. Following owl exclusion and burrow demolition, the site shall be monitored by a qualified biologist to ensure burrowing owls do not recolonize the site prior to construction. • If active burrowing owl nests are found on the project site and these nest sites are lost as a result of implementing the project, the project applicant shall mitigate the loss through preservation of other known nest sites in Sacramento County, at a minimum ratio of 1:1. The applicant shall develop a mitigation and monitoring plan for the compensatory mitigation areas. 				

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	<ul style="list-style-type: none"> The mitigation and monitoring plan will include detailed information on the habitats present within the preservation areas, the long-term management and monitoring of these habitats, legal protection for the preservation areas (e.g., conservation easement, declaration of restrictions), and funding mechanism information (e.g., endowment). All burrowing owl mitigation lands shall be preserved in perpetuity and incompatible land uses shall be prohibited in habitat conservation areas. The project applicants shall transfer said burrowing owl mitigation land, through either conservation easement or fee title, to a third-party, nonprofit conservation organization (Conservation Operator), with the City and CDFW named as third-party beneficiaries. The Conservation Operator shall be a qualified conservation easement land manager that manages land as its primary function. Additionally, the Conservation Operator shall be a tax-exempt nonprofit conservation organization that meets the criteria of Civil Code Section 815.3(a) and shall be selected or approved by the City, after consultation with CDFW. The City, after consultation with CDFW and the Conservation Operator, shall approve the content and form of the conservation easement. The City, CDFW, and the Conservation Operator shall each have the power to enforce the terms of the conservation easement. The Conservation Operator shall monitor the easement in perpetuity to ensure compliance with the terms of the easement. 				
3.4-2c	<p>Prepare and Implement a Swainson’s Hawk Foraging Habitat Mitigation Plan</p> <p>At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall require all discretionary projects to implement the following measures to mitigate the potential loss of Swainson’s hawk foraging habitat:</p> <ul style="list-style-type: none"> Before the approval of grading and improvement plans or before any ground-disturbing activities, whichever occurs first, preserve suitable Swainson’s hawk foraging habitat to ensure 1:1 mitigation for Swainson’s hawk foraging habitat value lost as a result of the project. Because the SOIA Area is currently zoned Ag-80, it is deemed to provide 100 percent foraging habitat value and the entire acreage must therefore be compensated at a 1:1 ratio. Loss of foraging habitat resulting from possible future off-site improvements shall be compensated by preserving suitable Swainson’s hawk foraging habitat to ensure 1:1 replacement of habitat value lost as a result of the project. The habitat value of the affected land 				

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	<p>and the suitability of preservation habitat shall be determined by the City after consultation with CDFW and a qualified biologist and shall be located within the geographical foraging area of the local nesting population as determined acceptable to CDFW.</p> <ul style="list-style-type: none"> • Before approval of such proposed mitigation, the City shall consult with CDFW regarding the appropriateness of the mitigation. If mitigation is accomplished through conservation easement, then such an easement shall ensure the continued management of the land to maintain Swainson’s hawk foraging values, including but not limited to ongoing agricultural uses and the maintenance of all existing water rights associated with the land. The conservation easement shall be recordable and shall prohibit any activity that substantially impairs or diminishes the land’s capacity as suitable Swainson’s hawk foraging habitat. • The project applicants shall transfer said Swainson’s hawk mitigation land, through either conservation easement or fee title, to a third-party, nonprofit conservation organization (Conservation Operator), with the City and CDFW named as third-party beneficiaries. The Conservation Operator shall be a qualified conservation easement land manager that manages land as its primary function. Additionally, the Conservation Operator shall be a tax-exempt nonprofit conservation organization that meets the criteria of Civil Code Section 815.3(a) and shall be selected or approved by the City, after consultation with CDFW. The City, after consultation with CDFW and the Conservation Operator, shall approve the content and form of the conservation easement. The City, CDFW, and the Conservation Operator shall each have the power to enforce the terms of the conservation easement. The Conservation Operator shall monitor the easement in perpetuity to assure compliance with the terms of the easement. • The project applicants, after consultation with the City, CDFW, and the Conservation Operator, shall establish an endowment or some other financial mechanism that is sufficient to fund in perpetuity the operation, maintenance, management, and enforcement of the conservation easement. If an endowment is used, either the endowment funds shall be submitted to the City to be distributed to an appropriate third-party nonprofit conservation agency, or they shall be submitted directly to the third-party nonprofit conservation agency in exchange for an agreement to manage and maintain the lands in perpetuity. The Conservation Operator shall not sell, lease, or transfer any interest of any conservation easement or 				

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	<p>mitigation land it acquires without prior written approval of the City and CDFW.</p> <p>If the Conservation Operator ceases to exist, the duty to hold, administer, manage, maintain, and enforce the interest shall be transferred to another entity acceptable to the City and CDFW. The City shall ensure that mitigation habitat is properly established and is functioning as habitat by conducting regular monitoring of the mitigation site(s) for the first 10 years after establishment of the easement.</p> <ul style="list-style-type: none"> • For development projects of less than 40 acres, project proponents may mitigate for the loss of Swainson’s hawk foraging habitat through payment of an impact mitigation fee that will provide funds to acquire available land with suitable Swainson’s hawk foraging habitat values as determined by the City in consultation with CDFW. • The City of Elk Grove shall not approve alternative mitigation measures for Swainson’s hawk foraging habitat losses in the SOIA Area that are less robust or accept lower mitigation ratios than described herein, and cannot allow a deficit of mitigation lands to exist for any future development that occurs within the SOIA Area. The City of Elk Grove shall ensure that future project applicants purchase and preserve appropriate replacement foraging habitat prior to the approval of grading and improvement plans or before any ground-disturbing activities, and will consult coordinate with CDFW in assessing the habitat quality of the proposed replacement lands and in developing a plan for management of those lands. 				
3.4-3	<p>Avoid Direct Loss of Loggerhead Shrike, Modesto Song Sparrow, and Protected Bird Nests</p> <p>At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall require future project applicants to implement the following measures to mitigate the potential loss of protected bird nests:</p> <ul style="list-style-type: none"> • To the extent feasible, vegetation removal, grading, and other ground disturbing activities will be carried out during the nonbreeding season for protected bird species in this region (generally September 1–January 31). • For any project activity that would occur during the nesting season (February 1–August 31), the project applicant shall conduct a preconstruction survey. The preconstruction survey shall be conducted by a qualified biologist before any activity occurring within 500 feet of suitable nesting habitat for any protected bird species. The survey shall be conducted within 14 days before project activity begins. 				

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	<ul style="list-style-type: none"> • If an active nest of loggerhead shrike, song sparrow, other special-status bird species, or common bird species protected by the Migratory Bird Treaty Act or California Fish and Game Code is found, the qualified biologist shall establish a buffer around the nest. No construction activity shall commence within the buffer area until a qualified biologist confirms that the nest is no longer active. The size of the buffer shall be determined in consultation with CDFW. Buffer size is anticipated to range from 50 to 500 feet, depending on the species of bird, nature of the project activity, the extent of existing disturbance in the area, and other relevant circumstances, as determined by a qualified biologist in consultation with CDFW. • Monitoring of all protected nests by a qualified biologist during construction activities will be required if the activity has potential to adversely affect the nest. If construction activities cause the nesting bird to vocalize, make defensive flights at intruders, get up from a brooding position, or fly off the nest, then the no-disturbance buffer shall be increased until the agitated behavior ceases. The exclusionary buffer will remain in place until the chicks have fledged or as otherwise determined by a qualified biologist. 				
3.4-4	<p>Prepare and Implement a Sandhill Crane Foraging Habitat Mitigation Plan</p> <p>At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall require future project applicants to implement the following measures to mitigate the potential loss of greater sandhill crane foraging habitat:</p> <ul style="list-style-type: none"> • Before the approval of grading and improvement plans or before any ground-disturbing activities, whichever occurs first, preserve suitable sandhill crane foraging habitat to ensure 1:1 mitigation for foraging habitat lost as a result of the project. The suitability of preservation habitat shall be determined by the City after consultation with CDFW and a qualified biologist and shall be located within five miles of the Cosumnes River Floodplain wintering population site. • Before approval of such proposed mitigation, the City shall consult with CDFW regarding the appropriateness of the mitigation. If mitigation is accomplished through conservation easement, then such an easement shall ensure the continued management of the land to maintain sandhill crane foraging values, including but not limited to ongoing agricultural uses and 				

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	<p>the maintenance of all existing water rights associated with the land. The conservation easement shall be recordable and shall prohibit any activity that substantially impairs or diminishes the land's capacity as suitable sandhill crane foraging habitat.</p> <ul style="list-style-type: none"> • The project applicants shall transfer said sandhill crane mitigation land, through either conservation easement or fee title, to a third-party, nonprofit conservation organization (Conservation Operator), with the City and CDFW named as third-party beneficiaries. The Conservation Operator shall be a qualified conservation easement land manager that manages land as its primary function. Additionally, the Conservation Operator shall be a tax-exempt nonprofit conservation organization that meets the criteria of Civil Code Section 815.3(a) and shall be selected or approved by the City, after consultation with CDFW. The City, after consultation with CDFW and the Conservation Operator, shall approve the content and form of the conservation easement. The City, CDFW, and the Conservation Operator shall each have the power to enforce the terms of the conservation easement. The Conservation Operator shall monitor the easement in perpetuity to assure compliance with the terms of the easement. • The project applicants, after consultation with the City, CDFW, and the Conservation Operator, shall establish an endowment or some other financial mechanism that is sufficient to fund in perpetuity the operation, maintenance, management, and enforcement of the conservation easement. If an endowment is used, either the endowment funds shall be submitted to the City to be distributed to an appropriate third-party nonprofit conservation agency, or they shall be submitted directly to the third-party nonprofit conservation agency in exchange for an agreement to manage and maintain the lands in perpetuity. The Conservation Operator shall not sell, lease, or transfer any interest of any conservation easement or mitigation land it acquires without prior written approval of the City and CDFW. • If the Conservation Operator ceases to exist, the duty to hold, administer, manage, maintain, and enforce the interest shall be transferred to another entity acceptable to the City and CDFW. The City shall ensure that mitigation habitat is properly established and is functioning as habitat by conducting regular monitoring of the mitigation site(s) for the first 10 years after establishment of the easement. 				

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3.4-5	<p>Avoid Take of Western Pond Turtles At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall require future project applicants to implement the following measures to avoid the potential loss of western pond turtles:</p> <ul style="list-style-type: none"> • Off-site improvements shall be planned and designed to avoid aquatic habitats that could support western pond turtle to the extent that is technically feasible and appropriate. Avoidance shall be deemed technically feasible and appropriate if the habitat may be preserved onsite while still obtaining the project purpose and objectives and if the preserved habitat features (i.e., aquatic habitats) could reasonably be expected to continue to function as suitable habitat for western pond turtle following project implementation. • A preconstruction survey for western pond turtle shall be conducted by a qualified biologist prior to work in suitable aquatic habitat. If no pond turtles are observed, no further mitigation is necessary. • If pond turtles are observed, a qualified biologist, with approval from CDFW, shall relocate pond turtles from to the nearest area with suitable aquatic habitat that will not be disturbed by project-related construction activities. • Construction within 500 feet of aquatic habitat known to support western pond turtles shall be conducted outside of the nesting season (March–August) unless a nesting survey conducted by a qualified biologist determines there are no active nests or hatchlings present in the proposed construction area. 				
3.4-6	<p>Implement Avoidance Measures, Secure Incidental Take Authorization for Federally Listed Giant Garter Snake and Implement all Conditions of the Take Authorization At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall require all discretionary projects to implement the following measures to mitigate impacts on giant garter snake:</p> <ul style="list-style-type: none"> • Off-site improvements shall be planned and designed to avoid aquatic habitats that could support giant garter snake to the maximum extent it is if technically feasible and appropriate. Avoidance shall be deemed technically feasible and appropriate if the habitat may be preserved onsite while still obtaining the project purpose and objectives and if the preserved habitat features (i.e., aquatic habitats) could reasonably be 				

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	<p>expected to continue to function as suitable habitat for giant garter snake following project implementation.</p> <ul style="list-style-type: none"> • All construction activities within 200 feet of aquatic habitat suitable for giant garter snakes shall be conducted during the snake’s active season of May 1 to October 1 so that snakes can move and avoid danger. For any construction outside of this period, USFWS will be consulted to determine whether additional measures are necessary to avoid or minimize potential impacts during the inactive season and avoid take. • In areas where irrigation ditches, or other potential giant garter snake habitats are being retained on the site: <ul style="list-style-type: none"> – A qualified biologist shall install temporary exclusion fencing around suitable upland habitat within 200 feet of aquatic habitat to prevent giant garter snakes from entering the work area during construction. The fencing shall be maintained for the duration of the construction activities; – Ground disturbance, spoils, and equipment storage and other project activities shall not be allowed within the fenced area; and – The water quality shall be maintained and construction runoff into wetland areas shall be limited through the use of hay bales, filter fences, vegetative buffer strips, or other accepted equivalents. However, no plastic, monofilament, jute, or similar matting to control erosion that could entangle snakes shall be placed in the project area. • If wetlands, irrigation ditches, or other potential giant garter snake habitat would be filled, the aquatic habitats shall be dewatered at least 15 days before fill. Dewatering of aquatic habitat for construction purposes shall not occur between October 1 and April 15, with the exception of any areas within a cofferdam, unless authorized by USFWS. Any dewatered habitat must remain dry for at least 15 consecutive days after April 15 and before excavation or filling of the dewatered habitat. • If the project involves any ground-disturbing activities in or within 200 feet of waterways that may support giant garter snake, the project proponent/s shall obtain incidental take authorization from the USFWS and CDFW pursuant to ESA and CESA, and shall abide by all conditions in the take authorization, including conservation and minimization measures, intended to be completed before on-site construction. Conservation and minimization measures are expected to include requirements for preparing supporting documentation describing methods 				

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	to protect existing habitat during and after project construction, methods for determining impact ratios, a detailed monitoring plan, and reporting requirements. CDFW may issue a Consistency Determination under Section 2080.1 of CESA if the applicant(s) obtains take authorization from USFWS and submits the federal opinion take statement to the Director of Fish and Game. CDFW must determine that conditions specified in the Federal take authorization are consistent with CESA. If a Consistency Determination is not obtained, the applicants shall obtain a separate incidental take permit under Section 2081(b) of CESA.				
3.4-7	<p>Avoid, Minimize, or Compensate for Loss of Waters of the United States and Waters of the State</p> <p>At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall require all discretionary projects to implement the following measures to mitigate the potential loss of waters:</p> <ul style="list-style-type: none"> • Conduct a delineation of waters of the United States according to methods established in the USACE wetlands delineation manual (Environmental Laboratories 1987) and Arid West Supplement (Environmental Laboratories 2008) or applicable guidance manual that is in place at the time of application for proposed development that could adversely affect waters of the State or United States. The delineation shall map and quantify the acreage of all aquatic habitats in the SOIA Area and associated off-site improvement areas, and shall be submitted to USACE for verification and jurisdictional determination. • Off-site improvements shall be planned and designed to avoid waters of the United States, including wetlands, and waters of the state to the maximum extent technically feasible and appropriate. Avoidance shall be deemed technically feasible and appropriate if the habitat may be preserved onsite while still obtaining the project purpose and objectives and if the preserved aquatic habitat could reasonably be expected to continue to provide the same habitat functions following project implementation. • The project applicant for each project requiring fill of waters shall replace or restore on a “no-net-loss” basis the function of all wetlands and other waters that would be removed as a result of implementing the respective project. Wetland habitat will be restored or replaced at an acreage and location and by methods agreeable to USACE and the Central Valley 				

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	<p>RWQCB, depending on agency jurisdiction, and as determined during the Section 401 and Section 404 permitting processes.</p> <p>Mitigation methods may consist of establishment of aquatic resources in upland habitats where they did not exist previously, reestablishment (restoration) of natural historic functions to a former aquatic resource, enhancement of an existing aquatic resource to heighten, intensify, or improve aquatic resource functions, or a combination thereof. The compensatory mitigation may be accomplished through purchase of credits from a USACE-approved mitigation bank, payment into a USACE-approved in-lieu fee fund, or through permittee-responsible on-site or off-site establishment, reestablishment, or enhancement, depending on availability of mitigation credits.</p> <ul style="list-style-type: none"> • If applicable, project applicants shall obtain a USACE Section 404 Individual Permit and Central Valley RWQCB Section 401 water quality certification before any groundbreaking activity within 50 feet of waters or discharge of fill or dredge material into any water of the United States or state. • The project applicant shall have a qualified biologist prepare a wetland mitigation plan to describe how the loss of aquatic functions for each project will be replaced. The mitigation plan will describe compensation ratios for acres filled, and mitigation sites, a monitoring protocol, annual performance standards and final success criteria for created or restored habitats, and corrective measures to be applied if performance standards are not met. • Permittee-responsible mitigation habitat shall be monitored for a minimum of 5 years from completion of mitigation, or human intervention (including recontouring and grading), or until the success criteria identified in the approved mitigation plan have been met, whichever is longer. • Water quality certification pursuant to Section 401 of the CWA, or waste discharge requirements (for waters of the state), will be required before issuance of the record of decision and before issuance of a Section 404 permit. Before construction in any areas containing aquatic features, the project applicant(s) shall obtain water quality certification for the project. Any measures required as part of the issuance of water quality certification and/or waste discharge requirements, shall be implemented. Project applicant(s) shall obtain a General Construction Stormwater Permit from 				

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	the Central Valley RWQCB, prepare a stormwater pollution prevention plan (SWPPP), and implement best management practices (BMPs) to reduce water quality effects during construction.				
3.4-8a	Implement Mitigation Measures 3.4-2c, 3.4-4, 3.4-6, and 3.4-7				
3.4-8b	<p>Avoid, Minimize, or Compensate for Loss of Protected Trees and Aquatic and Streamside Habitats</p> <p>At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall demonstrate that it will require all discretionary projects to avoid tree removal and removal or fill of waterways that provide important habitat to special-status species, if technically feasible and appropriate, through incorporation of these features into project design and planning. Avoidance shall be deemed technically feasible and appropriate if the features may be preserved onsite while still obtaining the project purpose and objectives and if the preserved habitat features (i.e., trees and aquatic habitats) could reasonably be expected to continue to function as suitable habitat following project implementation.</p> <p>All trees retained onsite shall be protected from construction-related impacts by placing exclusion fencing around the drip line of retained trees and maintaining said fencing through the duration of construction.</p> <p>If it is not technically feasible to retain trees on the project site, trees protected under City ordinance or General Plan policy shall be replaced at a 1:1 ratio (1 new inch dbh of tree for each inch dbh lost), unless alternative mitigation is approved by the City pursuant to Section 19.12.160 of the City code. Replacement trees may be planted onsite to areas that would not be developed or to nearby offsite open space areas. Alternatively, if approved by the City, trees to be removed may be transplanted to other open space areas in proximity to the SOIA Area. Payment of an in-lieu fee to a tree preservation fund may also be allowed to compensate for tree loss.</p>				
3.4-9	Project consistency with the SSHCP is not required under CEQA because the SSHCP has not been adopted and is not scheduled for adoption until summer 2017. The exact scope and content of the SSHCP is not known at this time. Therefore, further evaluation of project consistency with the SSHCP would be too speculative for meaningful analysis and an impact conclusion cannot be made at this time.				

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3.4-10	<p>Avoid, Minimize, or Compensate for Loss of Riparian Habitat and Sensitive Natural Communities</p> <p>At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall demonstrate that it will require all discretionary projects that require off-site improvements to retain a qualified botanist to identify, map, and quantify riparian habitat and other sensitive natural communities in proposed off-site improvement areas before final project design is completed. Off-site improvement projects shall be planned and designed to avoid loss or substantial degradation of riparian habitat and other sensitive natural communities, if technically feasible and appropriate. Avoidance shall be deemed technically feasible and appropriate if the features may be preserved onsite while still obtaining the project purpose and objectives and if the preserved habitat/community could reasonably be expected to provide comparable habitat functions following project implementation. The avoidance measures shall include relocating off-site improvement components, as necessary and where practicable alternatives are available, to prevent direct loss of riparian habitats and other sensitive natural communities.</p> <p>If riparian habitat or other sensitive natural communities are present in off-site improvement areas and cannot feasibly be avoided, the project applicant shall consult with the City of Elk Grove and CDFW to determine appropriate mitigation for removal of riparian habitat and sensitive natural communities resulting from project implementation. Mitigation measures may include restoration of affected habitat onsite, habitat restoration offsite, or preservation and enhancement of existing habitat/natural community offsite. The compensation habitat shall be similar in composition and structure to the habitat/natural community to be removed and shall be at ratios adequate to offset the loss of habitat functions in the affected off-site improvement area.</p> <p>If required, the project applicants shall obtain a Section 1602 streambed alteration agreement from CDFW and comply with all conditions of the agreement.</p>				
3.4-11a	Implement Mitigation Measures 3.4-5, 3.4-6, 3.4-7, and 3.4-8b				

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3.4-11b	<p>Identify Potential Species Habitat, Implement Avoidance Measures, Secure Incidental Take Authorization for Federally Listed Species and Implement all Conditions of the Take Authorization, Compensate for Loss of Habitat</p> <p>At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall demonstrate that it will require all discretionary projects to conduct biological review and analysis for off-site improvement projects to identify potential special-status species habitat. Off-site improvement projects shall be planned and designed to avoid adverse effects to special-status wildlife species, if technically feasible and appropriate. Avoidance shall be deemed technically feasible and appropriate if the species and its habitat may be preserved onsite while still obtaining the project purpose and objectives and if the preserved species habitat could reasonably be expected to continue to function as suitable habitat for the affected species following project implementation.</p> <p>If, after examining all feasible means to avoid impacts to potential special-status species habitat through project site planning and design, adverse effects cannot be avoided, then impacts shall be mitigated in accordance with guidance from the appropriate state or federal agency charged with the protection of the subject species, including surveys conducted according to applicable standards and protocols, where necessary, implementation of impact minimization measures based on accepted standards and guidelines and best available science, and compensatory mitigation for unavoidable loss of special-status species habitats through preservation and enhancement of existing occupied habitat, relocating individuals or populations to other suitable habitat, and/or restoring or creating suitable replacement habitat in sufficient quantities to offset the loss of occupied habitat and individuals. Purchase of mitigation credits at an agency-approved mitigation bank (i.e., approved by the agency with jurisdiction over the affected species or habitat) in Sacramento County, will also be acceptable for compensatory mitigation.</p> <p>If the project would result in take of state or federally listed species, then the City will require project proponent/s to obtain take authorization from the U.S. Fish & Wildlife Service or the California Department of Fish and Wildlife, as appropriate, depending on species status, and comply with all conditions of the take authorization. The City will require project applicants to develop a mitigation and monitoring plan to compensate for the loss of special-status species and their habitats. The mitigation and monitoring plan will describe in detail how loss of special-status species and their habitats shall be avoided or</p>				

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	offset, including details on restoration and creation of habitat, compensation for the temporal loss of habitat, success criteria ensuring habitat function goals and objectives are met, performance standards to ensure success, and remedial actions if performance standards are not met. The plan will include detailed information on the habitats present within the preservation and mitigation areas, the long-term management and monitoring of these habitats, legal protection for the preservation and mitigation areas (e.g., conservation easement, declaration of restrictions), and funding mechanism information (e.g., endowment).				
3.5. Cultural Resources					
3.5-1	None Required.				
3.5-2	<p>Avoid Potential Effects on Cultural Resources At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall demonstrate to LAFCo that the City will impose a condition on all discretionary projects to protect cultural resources, using the following language or language deemed to be equally effective:</p> <ul style="list-style-type: none"> • Should any archaeological cultural resources, such as structural features, unusual amounts of bone or shell, artifacts, human remains, or architectural remains be encountered during any development activities on- or off-site, work shall be suspended and the City of Elk Grove Planning Department shall be immediately notified, consistent with City General Plan HR-6-Action 2. At that time, the City of Elk Grove Planning Department will coordinate any necessary investigation of the site with appropriate specialists, as needed. The project proponent shall be required to implement any mitigation deemed necessary for the protection of archaeological resources. • The City of Elk Grove Planning Department shall be notified immediately if any prehistoric or archaeological artifact is uncovered during construction. All construction must stop, and an archaeologist who meets the Secretary of the Interior’s Professional Qualifications Standards in prehistoric or historical archaeology shall be retained to evaluate the finds and recommend appropriate action. • In the event of future ground disturbance or off-site project infrastructure improvements that have the potential to directly or indirectly effect the Wackman Ranch property, LAFCo shall require the City of Elk Grove to require the future proponent to evaluate the property for eligibility for the 				

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	California Register of Historical Resources and City of Elk Grove Historic Preservation Ordinance Landmark Designation Criteria (Chapter 7.00.050) as a potential historical resource, as the property was not evaluated against these criteria under the previous evaluation of the property. If the property is found to be an historical resource, the project proponent shall be required to implement any mitigation if the proposed project has a substantial adverse change to a historical resource, including physical damage, destruction, relocation, or alteration of the property that materially alters in an adverse manner those physical characteristics of the property that conveys its significant for inclusion in or eligibility for the California Register of Historical Resources or local register.				
3.5.3	None required				
3.5-4	<p>Halt Construction if Human Remains are Discovered and Implement Appropriate Actions</p> <p>At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall impose a condition on all discretionary projects to protect previously undiscovered human remains. In accordance with California law and local policies described above, if human remains are uncovered during future ground-disturbing activities, future applicants within the SOIA Area and/or their contractors would be required to halt potentially damaging excavation in the area of the burial and notify the County Coroner and a professional archaeologist to determine the nature of the remains. The coroner would be required to examine all discoveries of human remains within 48 hours of receiving notice of a discovery on private or State lands (California Health and Safety Code Section 7050.5[b]). If the coroner determines that the remains are those of a Native American, he or she must contact the NAHC by phone within 24 hours of making that determination (California Health and Safety Code Section 7050[c]). The responsibilities for acting upon notification of a discovery of Native American human remains are identified in California Public Resources Code 5097.9. Following the coroner’s findings, the property owner, contractor or project proponent, an archaeologist, and the NAHC-designated Most Likely Descendant will determine the ultimate treatment and disposition of the remains and take appropriate steps to ensure that additional human interments are not disturbed.</p> <p>Upon the discovery of Native American remains, future applicants within the SOIA Area and/or their contractors would be required to ensure that the immediate vicinity (according to generally accepted cultural or archaeological</p>				

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	<p>standards and practices) is not damaged or disturbed by further development activity until consultation with the Most Likely Descendant has taken place. The Most Likely Descendant would have 48 hours to complete a site inspection and make recommendations after being granted access to the site. A range of possible treatments for the remains, including nondestructive removal and analysis, preservation in place, relinquishment of the remains and associated items to the descendants, or other culturally appropriate treatment may be discussed. California Public Resources Code 5097.9 suggests that the concerned parties may extend discussions beyond the initial 48 hours to allow for the discovery of additional remains. The following is a list of site protection measures that could be employed:</p> <ol style="list-style-type: none"> 1. record the site with the NAHC or the appropriate Information Center, 2. use an open-space or conservation zoning designation or easement, and 3. record a document with the county in which the property is located. <p>If the NAHC is unable to identify a Most Likely Descendant or the Most Likely Descendant fails to make a recommendation within 48 hours after being granted access to the site, the Native American human remains and associated grave goods would be reburied with appropriate dignity on the subject property in a location not subject to further subsurface disturbance.</p>				
3.6. Energy					
3.6-1	Implement Mitigation Measures 3.3-2a and 3.3-2b				
3.6-2	<p>Prepare Utility Service Plans that Demonstrate Adequate Electrical and Natural Gas Supplies and Infrastructure are Available Before the Annexation of Territory within the SOIA</p> <p>At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall prepare utility service plans that identify the projected electrical and natural gas demands and that appropriate infrastructure sizing and locations to serve future development will be provided within the annexation territory. The utility service plans shall demonstrate that SMUD will have adequate electrical supplies and infrastructure and PG&E will have adequate natural gas supplies and infrastructure available for the amount of future development proposed within the annexation territory. If SMUD or PG&E must construct or expand facilities, environmental impacts associated with such construction or expansion should be avoided or reduced through the imposition of mitigation measures. Such measures should include those necessary to avoid or reduce environmental impacts associated with, but not</p>				

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	limited to, air quality, noise, traffic, biological resources, cultural resources, GHG emissions, hydrology and water quality, and others that apply to specific construction or expansion of natural gas and electric facilities projects.				
3.7. Geology, Soils, Minerals, and Paleontological Resources					
3.7-1	None Required.				
3.7-2	None Required.				
3.7-3	None Required.				
3.7-4	None Required.				
3.7-5	None Required.				
3.7-6	None Required.				
3.7-7	None Required.				
3.7-8	None Required.				
3.7-9	None Required.				
3.7-10	None Required.				
3.7-11	<p>Avoid Impact to Unique Paleontological Resources At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall require:</p> <ul style="list-style-type: none"> • Consistent with General Plan HR-6-Action 1 and Action 2, prior to the start of on- or off-site earthmoving activities that would disturb 1 acre of land or more within the Riverbank Formations, project applicants shall inform all construction personnel involved with earthmoving activities regarding the possibility of encountering fossils, the appearance and types of fossils likely to be seen during construction, and proper notification procedures should fossils be encountered. • If paleontological resources are discovered during earthmoving activities, the construction crew shall immediately cease work in the vicinity of the find and notify the City of Elk Grove. • The project applicant shall retain a qualified paleontologist to evaluate the resource and prepare a recovery plan. The recovery plan may include, but is not limited to, a field survey, construction monitoring, sampling and data recovery procedures, museum curation for any specimen recovered, 				

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	and a report of findings. Recommendations in the recovery plan that are determined by the City to be necessary and feasible shall be implemented before construction activities can resume at the site where the paleontological resource or resources were discovered.				
3.8. Greenhouse Gas Emissions					
3.8-1	<p>Achieve GHG Emissions Rate Consistent with State Guidance. At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall provide an emissions estimate, suite of reduction strategies, and monitoring mechanism consistent with recommendations of CEQA Guidelines Section 15183.5 for GHG reduction programs. This GHG reduction program for the SOIA Area can be an update to the City’s existing Climate Action Plan or a stand-alone GHG reduction program. Analysis assumptions, methodology, and emission factors used by the City shall be submitted for review to the SMAQMD. In addition, the City will provide proof of consultation with the SMAQMD to demonstrate compliance with this measure to LAFCo.</p> <p>The City will require that development in the SOIA Area comply with applicable GHG reduction strategies necessary to demonstrate that the SOIA Area would achieve a GHG emissions rate per service population that would be consistent with the emissions rate for land use-related emissions needed to achieve the State’s emission targets for 2030 (Executive B-30-15 and SB 32) and 2050 (Executive Order S-3-05).</p>				
3.9. Hazards and Hazardous Materials					
3.9-1	None Required.				
3.9-2	<p>Hazardous Materials Identification and Remediation At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall require an environmental analysis, including an updated review of environmental risk databases, for the presence of potential hazardous materials. This evaluation should consider the SOIA Area and any off-site improvement areas, and if this assessment indicates the presence or likely presence of contamination, Phase I environmental site assessments and/or Phase II soil/groundwater testing and remediation shall be required before development. The sampling program developed as a part of the Phase II EA shall be conducted to determine the degree and location of contamination, if any, exists. If contamination is determined to exist in the SOIA Area or any off-site improvements, it will be fully remediated, by</p>				

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	qualified personnel, in accordance with federal, State, and local regulations and guideline established for the treatment of hazardous substances. The designation of encountered contamination will be based on the chemicals present and chemical concentrations detected through laboratory analysis. Based on the analytical results, appropriate disposal of the material in accordance with EPA, Department of Toxic Substances Control, and Regional Water Quality Control Board guidelines shall be implemented. Any land disturbance near potential hazardous sites should occur only after the remediation and clean-up of the existing site is complete.				
3.9-3	None Required.				
3.9-4	Traffic Control Plans At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall impose a condition on all discretionary projects to prepare and implement traffic control plans for construction activities that may affect road rights-of-way during construction of future development and off-site improvements. The traffic control plans shall be designed to avoid traffic-related hazards and maintain emergency access during construction phases. The traffic control plan will illustrate the location of the proposed work area; provide a diagram showing the location of areas where the public right-of-way would be closed or obstructed and the placement of traffic control devices necessary to perform the work; show the proposed phases of traffic control; and identify the time periods when traffic control would be in effect and the time periods when work would prohibit access to private property from a public right-of-way. The plan may be modified in order to eliminate or avoid traffic conditions that are hazardous to the safety of the public. Traffic control plans should be submitted to the City of Elk Grove, Sacramento County, and/or the California Department of Transportation, as appropriate, for review and approval before approval of improvement plans, where future construction may cause impacts on traffic.				
3.9-5	None Required.				
3.9-6	None Required.				
3.10. Hydrology and Water Quality					
3.10-1	Implement Mitigation Measure 3.9-2				
3.10-2a	Implement Mitigation Measure 3.15-1				

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3.10-2b	<p>Assure Consistency with the Central Basin Groundwater Management Plan</p> <p>At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall require discretionary project to demonstrate consistency with the Central Basin Groundwater Management Plan.</p>				
3.10-3	<p>Prepare a Drainage Master Plan</p> <p>At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall require all discretionary projects to prepare a Drainage Master Plan. The Drainage Master Plan shall disclose where stormwater is designed to be released into waterway crossings at State Route 99 facilities. The Drainage Master Plan shall include a review, analysis, and disclosure of locations where channel capacity inadequacies lie; identify the capacities of bridges crossing State Route 99; and identify the need for additional bridge capacity, if necessary. City shall develop measures to minimize, avoid, reduce, or compensate for potential impacts to roadway facilities in consultation with the California Department of Transportation. The City shall provide proof of consultation with the California Department of Transportation to LAFCo. In addition, the Master Drainage Plan shall identify areas of potential impacts due to encroachments on channels, measures to provide improvements or maintenance where development in the SOIA Area would affect channels.</p> <p>The Drainage Master Plan shall demonstrate attainment of pre-project stormwater runoff rates and describe the volume reduction measures and treatment controls used to reach attainment. The Master Drainage Plan shall identify all expected flows from the project area and the location, size, and type of facilities used to retain and treat the runoff volumes and peak flows to meet pre-project conditions. The Master Drainage Plan shall also include the geotechnical report verifying groundwater elevation for the regional basins.</p>				
3.10-4	None Required.				
3.10-5	None Required.				
3.11. Land Use, Population, Housing, Employment, Environmental Justice, and Unincorporated Disadvantaged Communities					
3.11-1	None Required.				
3.11-2	None Required.				
3.11-3	None Required.				

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3.11-4	None Feasible.				
3.11-5	Implement Mitigation Measure 3.2-1				
3.11-6	None Feasible.				
3.11-7	None Required.				
3.12. Noise and Vibration					
3.12-1	<p>Implement Noise-Reducing Construction Practices, Prepare and Implement a Noise Control Plan, and Monitor and Record Construction Noise near Sensitive Receptors.</p> <p>At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall impose a condition on all discretionary projects to reduce impacts associated with noise generated during project-related on-site construction activities and future off-site infrastructure improvements.</p> <p>The project applicant(s) and their primary contractors for engineering design and construction of all project phases shall ensure that the following requirements are implemented at each work site in any year of project construction to avoid and minimize construction noise effects on sensitive receptors. The project applicant(s) and primary construction contractor(s) shall employ noise-reducing construction practices. Measures that shall be used to limit noise shall include the measures listed below:</p> <ul style="list-style-type: none"> • Noise-generating construction operations shall be limited to the hours between 7 a.m. and 7 p.m. Monday through Friday, and between 8 a.m. and 6 p.m. on Saturdays and Sundays. • Noisy construction equipment and equipment staging areas shall be located as far as possible from nearby noise-sensitive land uses. • All construction equipment shall be properly maintained and equipped with noise-reduction intake and exhaust mufflers and engine shrouds, in accordance with manufacturers' recommendations. Equipment engine shrouds shall be closed during equipment operation. • All motorized construction equipment shall be shut down when not in use to prevent idling. • Individual operations and techniques shall be replaced with quieter procedures (e.g., using welding instead of riveting, mixing concrete off-site instead of on-site). 				

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	<ul style="list-style-type: none"> Noise-reducing enclosures shall be used around stationary noise-generating equipment (e.g., compressors and generators) as planned phases are built out and future noise sensitive receptors are located within 250 feet to future construction activities. Written notification of construction activities shall be provided to all noise-sensitive receptors located within 850 feet of construction activities. Notification shall include anticipated dates and hours during which construction activities are anticipated to occur and contact information, including a daytime telephone number, for the project representative to be contacted in the event that noise levels are deemed excessive. Recommendations to assist noise-sensitive land uses in reducing interior noise levels (e.g., closing windows and doors) shall also be included in the notification. To the extent feasible and necessary to reduce construction noise levels consistent with applicable policies, acoustic barriers (e.g., lead curtains, sound barriers) shall be constructed to reduce construction-generated noise levels at affected noise-sensitive land uses. The barriers shall be designed to obstruct the line of sight between the noise-sensitive land use and on-site construction equipment. When future noise sensitive uses are within close proximity to prolonged construction noise, noise-attenuating buffers such as structures, truck trailers, or soil piles shall be located between noise sources and future residences, as feasible, to shield sensitive receptors from construction noise. 				
3.12-2	None Required.				
3.12-3	<p>Implement Measures to Reduce Groundborne Noise and Vibration Levels at Sensitive Receptors during Pile Driving Activities.</p> <p>At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall impose a condition on all discretionary projects to reduce groundborne noise and vibration levels at sensitive receptors during pile driving activities, such as the following:</p> <ul style="list-style-type: none"> A disturbance coordinator shall be designated and this person's contact information shall be posted in a location near the project site that it is clearly visible to the nearby receivers most likely to be disturbed. The director would manage complaints and concerns resulting from activities that cause vibrations. The severity of the vibration concern should be 				

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	<p>assessed by the disturbance coordinator, and if necessary, evaluated by a professional with construction vibration expertise.</p> <ul style="list-style-type: none"> The pre-existing condition of all buildings within a 500-foot radius within the immediate vicinity of proposed pile driving activities shall be recorded in the form of a preconstruction survey. The preconstruction survey shall determine conditions that exist before construction begins for use in evaluating damage caused by construction activities. Fixtures and finishes within a 500-foot radius of construction activities susceptible to damage shall be documented (photographically and in writing) before construction. All damage will be repaired to its pre-existing condition. Vibration monitoring shall be conducted before and during pile driving operations occurring within 500 feet of the sensitive receptors. Every attempt shall be made to limit construction generated vibration levels in accordance with Caltrans recommendations during pile driving and impact activities in the vicinity of the historic structures. Pile driving required within a 500-foot radius of sensitive receptors should use alternative installation methods where possible (e.g., pile cushioning, jetting, predrilling, cast-in-place systems, resonance-free vibratory pile drivers). This would reduce the number and amplitude of impacts required to seat the pile. Pile driving required within a 500-foot radius of sensitive receptors should use alternative installation methods, where possible (e.g., pile cushioning, jetting, predrilling, cast-in-place systems, resonance-free vibratory pile drivers). This would reduce the number and amplitude of impacts required to seat the pile. 				
3.12-4	None feasible.				
3.12-5	<p>Implement Measures to Improve Land Use Compatibility to Reduce Exposure of On-Site Sensitive Receptors to Project-Generated Increases in Operational Traffic Noise Levels.</p> <p>At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall impose a condition on all discretionary projects to reduce exposure of sensitive receptors to project-generated increases in operational traffic noise levels on area roadways, such as the following:</p> <ul style="list-style-type: none"> Obtain the services of a qualified acoustical consultant to develop noise attenuation measures for the proposed construction of on-site noise-sensitive land uses (i.e., residential dwellings and school classrooms) that 				

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	<p>will provide a minimum composite Sound Transmission Class (STC) rating for buildings to achieve an interior noise level of 45 dBA L_{dn} or greater, individually computed for the walls and the floor/ceiling construction of buildings, for the proposed construction of on-site noise-sensitive land uses (i.e., residential dwellings and school classrooms).</p> <ul style="list-style-type: none"> • When a project is adopted, and prior to the submittal of small-lot tentative subdivision maps and improvement plans, the project applicants shall conduct a site-specific acoustical analysis to determine predicted roadway noise impacts attributable to the project, taking into account site-specific conditions (e.g., site design, location of structures, building characteristics). The acoustical analysis shall evaluate transportation source noise attributable to the proposed use or uses and impacts on nearby noise-sensitive land uses, in accordance with adopted City noise standards. Feasible measures shall be identified to reduce project-related noise impacts. Measures may include, but are not limited to, the following: <ul style="list-style-type: none"> – site design may be taken into consideration to reduce noise levels within compliance of applicable noise standards. Where noise levels require mitigation, residential areas may be redesigned so that houses front the noise source. Fronting the residences to the noise source will achieve a 5 dBA to 8 dBA reduction in traffic noise levels due to shielding provided by the intervening residential building façade at the outdoor activity area; – increase minimum setback distances from the noise source. Increasing the setback distance would achieve a natural attenuation of traffic noise levels due to excess ground attenuation and additional noise propagation over distance; – use of increased noise-attenuation measures for second and third story facades in building construction (e.g., dual-pane, sound-rated windows; exterior wall insulation); – if no other feasible means exist, construct exterior sound walls. To be effective, noise barriers need to be continuous or solid, with no gaps between joints or at the base of the barrier, and must block the line of sight to windows of neighboring dwellings. Achieved noise reductions from barriers can vary, but typically range from approximately 5 to 10 dBA, depending on construction characteristics, height, and location. 				

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	<ul style="list-style-type: none"> Where noise barrier heights are not feasible, the City may, at its discretion, require the project applicant to instead achieve the conditionally-acceptable noise level of 65-dBA CNEL at noise-sensitive locations, provided that interior noise levels are in compliance with the City’s 45-dBA L_{dn} interior noise level standard. As an alternative, site design may be taken into consideration to reduce noise levels within compliance of applicable noise standards. Where noise levels require sound walls in excess of a desirable height deemed by the City, residential areas may be redesigned so that houses front the noise source. For example, fronting the residences to the noise source would achieve a -5 dBA to -8 dBA reduction in traffic noise levels due to shielding provided by the intervening residential building façade at the outdoor activity area. 				
3.12-6	<p>Implement Measures to Reduce Potential Exposure of Sensitive Receptors to Non-Transportation Source–Generated Noise.</p> <p>At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall impose a condition on all discretionary projects to reduce potential exposure of sensitive receptors to non-transportation source-generated noise.</p> <p>To reduce potential long-term exposure of sensitive receptors to noise generated by project-related non-transportation noise sources, the City shall evaluate individual facilities, subdivisions, and other project elements for compliance with the City Noise Ordinance and policies contained in the City’s General Plan at the time that tentative subdivision maps and improvements plans are submitted. All project elements shall comply with City noise standards. The project applicants for all project phases shall implement the following measures to assure maximum reduction of project interior and exterior noise levels from operational activities.</p> <ul style="list-style-type: none"> The proposed land uses shall be designed so that on-site mechanical equipment (e.g., HVAC units, compressors, and generators) and area-source operations (e.g., loading docks, parking lots, and recreational-use areas) are located as far as possible from or shielded from nearby noise-sensitive land uses. Residential air conditioning units shall be located a minimum of 10 feet from adjacent residential dwellings, including outdoor entertainment and relaxation areas, or shall be shielded to reduce operational noise levels at adjacent dwellings or designed to meet City noise standards. Shielding may include the use of fences or partial equipment enclosures. To provide 				

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	<p>effectiveness, fences or barriers shall be continuous or solid, with no gaps, and shall block the line of sight to windows of neighboring dwellings.</p> <ul style="list-style-type: none"> To the extent feasible, residential land uses located within 2,500 feet of and within the direct line of sight of major noise-generating commercial uses (e.g., loading docks and equipment/vehicle storage repair facilities,) shall be shielded from the line of sight of these facilities by construction of a noise barrier. To provide effectiveness, noise barriers shall be continuous or solid, with no gaps, and shall block the line of sight to windows of neighboring dwellings. Dual-pane, noise-rated windows; mechanical air systems; exterior wall insulation; and other noise-reducing building materials shall be used. Routine testing and preventive maintenance of emergency electrical generators shall be conducted during the less sensitive daytime hours (i.e., 7 a.m. to 6 p.m.). All electrical generators shall be equipped with noise control (e.g., muffler) devices in accordance with manufacturers' specifications. Prior to issuance of occupancy permits, project applicants shall provide buyer-renter notification for any noise sensitive uses located within 200 feet on ongoing operations of agricultural equipment at adjacent agricultural land uses. <p>In addition, the City shall seek to reduce potential long-term exposure of sensitive receptors to noise generated by project-related non-transportation noise sources from public activities on school grounds, in neighborhood and community parks, and in open-space areas. Specifically, the City shall encourage the controlling agencies (i.e., schools and park and recreation districts) to implement measures to reduce project-generated interior and exterior noise levels to within acceptable levels, including but not limited to the following:</p> <ul style="list-style-type: none"> On-site landscape maintenance equipment shall be equipped with properly operating exhaust mufflers and engine shrouds, in accordance with manufacturers' specifications. For maintenance areas located within 500 feet of noise-sensitive land uses, the operation of on-site landscape maintenance equipment shall be limited to the least noise-sensitive periods of the day, between the hours of 7 a.m. and 7 p.m. 				

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	<ul style="list-style-type: none"> Outdoor use of amplified sound systems within 500 feet of noise-sensitive land uses shall be permitted only between 7 a.m. and 10 p.m. Sunday through Thursday, and between 7 a.m. and 11 p.m. on Friday and Saturday. 				
3.13. Public Services and Recreation					
3.13-1	<p>Demonstrate Adequate Fire Protection Facilities are Available before the Annexation of Territory within the SOIA Area.</p> <p>At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall demonstrate that CCSD fire protection facilities will meet the service demands of development identified for the annexation territory, or that fair-share funding will be provided for the construction of new or expansion of existing fire protection facilities, as needed, to accommodate the increase in demand resulting from development of the annexation territory. The City of Elk Grove shall demonstrate future development has incorporated adequate water supply and pressure, fire hydrants, and access to structures by firefighting equipment and personnel and where appropriate, identified on-site fire suppression systems for all new commercial and industrial development into design plans consistent with General Plan polices PF-7, PF-21, and SA-32 and Action SA-32-Action 1, SA-32-Action 2, and SA-32-Action 4</p>				
3.13-2	<p>Prepare a Plan for Service that Demonstrates Adequate Police Protection Facilities are Available before the Annexation of Territory within the SOIA Area.</p> <p>At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall demonstrate that EGPD police protection facilities will meet the service demands of development identified for the annexation territory, or that fair-share funding will be provided for the construction of new on-site or off-site police protection facilities or expansion of existing police protection facilities, as needed, to accommodate the increase in demand resulting from development of the annexation territory.</p>				
3.13-3	None Required.				
3.13-4	None Required.				

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3.14. Transportation					
3.14-1a	<p>Impacted Roadway and Freeway Segments Improvement</p> <p>At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall consult with Sacramento County and Caltrans to establish transportation improvement plans and funding mechanisms to provide service levels consistent with the City’s and County’s General Plans.</p> <p>Future development within the SOIA Area will be responsible for constructing or contributing on a fair-share basis to roadway improvements necessary to serve development within the SOIA Area.</p> <p>In addition, a detailed traffic study will be completed after a more defined land use plan has been developed. Improvements needed as a result of development in the SOIA Area will be established by subsequent traffic studies and LOS standards of affected agencies. Annexation and development activity within the SOIA Area will require the preparation of traffic impact report/s to establish the fair share and costing of required improvements.</p>				
3.14-1b	Implement Mitigation Measure 3.3-2a				
3.14-1c	Implement Mitigation Measure 3.3-2b				
3.14-1d	Implement Mitigation Measure 3.8-1				
3.14-2	None Required.				
3.14-3	None required.				
3.14-4	Implement Mitigation Measure 3.3-2b				
3.15. Utilities and Service Systems					
3.15-1	<p>Prepare a Plan for Service that Demonstrates Adequate Water Supplies and On-Site and Off-Site Water System Facilities are Available Before the Annexation of Territory within the SOIA Area.</p> <p>At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall prepare a Plan for Services as required by Government Code Section 56668, or its successor. The Plan for Services shall demonstrate that SCWA water supplies are adequate to serve the amount of future development identified in the annexation territory in addition to existing and planned development under normal, single dry, and multiple dry years. The Plan for Services shall demonstrate that the SCWA is a signatory to the Water Forum Agreement and that groundwater will be provided in a manner that</p>				

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	ensures no overdraft will occur. The Plan for Services shall depict the locations and appropriate sizes of all on-site water system facilities to accommodate the amount of development identified for the annexation territory, demonstrate SCWA has annexed the territory into its service area, and demonstrate adequate SCWA off-site water facilities are available to accommodate the amount of development identified in the annexation territory or that fair share funding will be provided for the construction of new or expansion and/or improvement of existing off-site water system facilities with no adverse impacts on existing ratepayers.				
3.15-2	<p>Prepare a Plan for Service that Demonstrates Adequate On-Site and Off-Site Wastewater Collection and Conveyance Facilities and Wastewater Treatment Facilities are Available</p> <p>At the time of submittal of any application to annex territory within the SOIA Area, the City of Elk Grove shall provide a Plan for Services that that depicts the locations and appropriate sizes of wastewater collection and conveyance facilities to accommodate the amount of development identified for the annexation territory. The Plan for Services shall demonstrate that SCSD and SRCSD wastewater collection and conveyance facilities and that the SRWTP will have sufficient capacity to accommodate the amount of development identified for the annexation territory or that fair-share funding will be provided for the expansion and/or improvement of existing wastewater facilities, as needed, to accommodate the increase in demand resulting from development of the annexation territory with no adverse impact to existing ratepayers</p>				
3.15-3	None Required.				

REFERENCES

- California Department of Fish and Wildlife. 2000 (May 31). *Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley* Swainson's Hawk Technical Advisory Committee, California Department of Fish and Game, Sacramento, CA.
- California Department of Fish and Wildlife. 2012 (May). Staff Report on Burrowing Owl Mitigation. State of California Natural Resources Agency. Sacramento, CA.
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- Environmental Laboratories. 1987. Corps of Engineers Wetlands Delineation Manual.
- Environmental Laboratories. 2008. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0).