

**CITY OF SANTA ROSA
ROSELAND AREA/SEBASTOPOL ROAD
SPECIFIC PLAN AND
ROSELAND AREA ANNEXATION
MITIGATION MONITORING AND REPORTING PROGRAM**

SCH No. 2016012030

Prepared for:

CITY OF SANTA ROSA
PLANNING AND ECONOMIC DEVELOPMENT DEPARTMENT
100 SANTA ROSA AVENUE, ROOM 3
SANTA ROSA, CA 95404

Prepared by:

Michael Baker
INTERNATIONAL

2729 PROSPECT PARK DRIVE, SUITE 220
RANCHO CORDOVA, CA 95670

AUGUST 2016

MITIGATION MONITORING AND REPORTING PROGRAM

INTRODUCTION

This document is the Mitigation Monitoring and Reporting Program (MMRP) for the Roseland Area/Sebastopol Road Specific Plan and Roseland Area Annexation project. CEQA Section 21081.6(a) requires lead agencies to adopt a mitigation monitoring and reporting program (MMRP) to describe measures that have been adopted or made a condition of project approval in order to mitigate or avoid significant effects on the environment. An MMRP is required for the proposed project because the EIR has identified significant adverse impacts, and measures have been identified to mitigate those impacts.

The numbering of the individual mitigation measures follows the numbering sequence as found in the EIR.

MITIGATION MONITORING AND REPORTING PROGRAM

The MMRP, as outlined in the following table describes mitigation timing, monitoring responsibilities, and compliance verification responsibility for all mitigation measures identified in this Final EIR.

The City of Santa Rosa will be the primary agency, but not the only agency responsible for implementing the mitigation measures. In some cases, the City or other public agencies will implement measures. In other cases, the project applicant will be responsible for implementation of measures and the City's role is exclusively to monitor the implementation of the measures. In those cases, the project applicant may choose to delegate to the construction contractor the responsibility to implement specific mitigation measures prior to and/or during construction. The City will continue to monitor mitigation measures prior to and during construction as well as during the operation of the project.

The MMRP is presented in tabular form on the following pages. The components of the MMRP are described briefly below:

- **Mitigation Measures:** Mitigation measures contained in the MMRP are taken from the Draft EIR in the same order that they appear in the Draft EIR. No revisions to these mitigation measures were required in the Final EIR.
- **Mitigation Timing:** Identifies when the mitigation must be completed.
- **Monitoring Responsibility:** Identifies the department within the City, project applicant, or other entity responsible for mitigation monitoring.
- **Compliance Verification Responsibility:** Identifies the department of the City or other entity responsible for verifying compliance with the mitigation. In some cases, verification will include contact with responsible state and federal agencies.

MITIGATION MONITORING AND REPORTING PROGRAM

MITIGATION MONITORING AND REPORTING PROGRAM FOR THE ROSELAND AREA/SEBASTOPOL ROAD SPECIFIC PLAN AND ROSELAND AREA ANNEXATION PROJECTS

Proposed Mitigation	Summary of Measure	Monitoring Responsibility	Timing	Verification (Date and Initials)
<i>Air Quality</i>				
MM 3.3.3	<p>Where projects in the project area are subject to subsequent CEQA review, the City of Santa Rosa must ensure that in addition to the BAAQMD basic construction mitigation measures from Table 8-1 of the BAAQMD CEQA Air Quality Guidelines (or subsequent updates), BAAQMD additional mitigation measures from Table 8-2 of the BAAQMD CEQA Air Quality Guidelines (or subsequent updates) are noted on the construction documents and implemented. These measures include the following:</p> <ol style="list-style-type: none"> 1. All exposed surfaces shall be watered at a frequency adequate to maintain minimum soil moisture of 12 percent. Moisture content can be verified by lab samples or moisture probe. 2. All excavation, grading, and/or demolition activities shall be suspended when average wind speeds exceed 20 mph. 3. Wind breaks (e.g., trees, fences) shall be installed on the windward side(s) of actively disturbed areas of construction. Wind breaks should have at maximum 50 percent air porosity. 4. Vegetative ground cover (e.g., fast-germinating native grass seed) shall be planted in disturbed areas as soon as possible and watered appropriately until vegetation is established. 5. The simultaneous occurrence of excavation, grading, and ground-disturbing construction activities on the same area at any one time shall be limited. Activities shall be phased to reduce the amount of disturbed surfaces at any one time. 6. All trucks and equipment, including their tires, shall be washed off prior to leaving the site. 	City of Santa Rosa Planning and Economic Development Department	Implemented during construction activities for subsequent projects within the project area	

MITIGATION MONITORING AND REPORTING PROGRAM

Proposed Mitigation	Summary of Measure	Monitoring Responsibility	Timing	Verification (Date and Initials)
	<p>7. Site accesses to a distance of 100 feet from the paved road shall be treated with a 6 to 12 inch compacted layer of wood chips, mulch, or gravel.</p> <p>8. Sandbags or other erosion control measures shall be installed to prevent silt runoff to public roadways from sites with a slope greater than one percent.</p> <p>9. Minimizing the idling time of diesel powered construction equipment to two minutes.</p> <p>10. The project shall develop a plan demonstrating that the off-road equipment (more than 50 horsepower) to be used in the construction project (i.e., owned, leased, and subcontractor vehicles) would achieve a project wide fleet-average 20 percent NO_x reduction and 45 percent PM reduction compared to the most recent CARB fleet average.</p> <p>11. Use low VOC (i.e., ROG) coatings beyond the local requirements (i.e., Regulation 8, Rule 3: Architectural Coatings).</p> <p>12. Requiring that all construction equipment, diesel trucks, and generators be equipped with Best Available Control Technology for emission reductions of NO_x and PM.</p> <p>13. Requiring all contractors use equipment that meets CARB's most recent certification standard for off-road heavy duty diesel engines.</p>			
MM 3.3.5	<p>Projects within the project area that have a construction area greater than 5 acres and which are scheduled to last more than two years shall be required to prepare a site-specific construction pollutant mitigation plan in consultation with Bay Area Air Quality Management District (BAAQMD) staff prior to the issuance of grading permits. A project-specific construction-related dispersion model acceptable to the BAAQMD shall be used to identify potential toxic air contaminant impacts, including diesel particulate matter. If BAAQMD risk thresholds (i.e., probability of contracting cancer is greater than 10 in one</p>	<p>City of Santa Rosa Planning and Economic Development Department</p>	<p>Modeling shall be completed prior to grading permit issuance, and measures implemented during construction activities for subsequent projects with a construction area</p>	

MITIGATION MONITORING AND REPORTING PROGRAM

Proposed Mitigation	Summary of Measure	Monitoring Responsibility	Timing	Verification (Date and Initials)
	<p>million) would be exceeded, mitigation measures shall be identified in the construction pollutant mitigation plan to address potential impacts and shall be based on site-specific information, such as the distance to the nearest sensitive receptors, project site plan details, and construction schedule. The City shall ensure construction contracts include all identified measures. Construction pollutant mitigation plan measures shall include but not be limited to limiting the amount of acreage to be graded in a single day, requiring the use of advanced particulate filters on construction equipment, and requiring the use of alternative fuels, such as biodiesel, to power construction equipment.</p>		<p>greater than 5 acres and construction lasting more than two years</p>	
<p>MM 3.3.6</p>	<p>The following measures shall be utilized in site planning and building designs to reduce TAC and PM2.5 exposure where new receptors are located within 1,000 feet of emissions sources:</p> <ul style="list-style-type: none"> • Future development in the project area that includes sensitive receptors (such as residences, schools, hospitals, daycare centers, or retirement homes) located within 1,000 feet of US 101 and/or stationary sources shall require site-specific analysis to determine the level of health risk. This analysis shall be conducted following procedures outlined by the BAAQMD. If the site-specific analysis reveals significant exposures from all sources (i.e., health risk in terms of excess cancer risk greater than 100 in one million, acute or chronic hazards with a hazard Index greater than 10, or annual PM2.5 exposures greater than 0.8 $\mu\text{g}/\text{m}^3$), measures shall be employed to reduce the risk to below the threshold (e.g., electrostatic filtering systems or equivalent systems and location of vents away from TAC sources). • Future nonresidential developments projected to generate more than 100 heavy-duty truck trips daily and/or include the need for a BAAQMD permit to operate a stationary source shall include measures to protect public health to ensure they do not cause a significant health risk in terms of excess cancer 	<p>City of Santa Rosa Planning and Economic Development Department</p>	<p>Prior to issuance of building permits</p>	

MITIGATION MONITORING AND REPORTING PROGRAM

Proposed Mitigation	Summary of Measure	Monitoring Responsibility	Timing	Verification (Date and Initials)
	risk greater than 10 in one million, acute or chronic hazards with a Hazard Index greater than 1.0, or annual PM2.5 exposures greater than 0.3 µg/m3.			
Biological Resources				
MM 3.4.1a	Implement General Plan Mitigation Measure 4.F-5: The City of Santa Rosa shall incorporate the avoidance and mitigation measures described in the Santa Rosa Plain Conservation Strategy and the USFWS Programmatic Biological Opinion, as conditions of approval for development in or near areas with suitable habitat for California tiger salamander, Burke's goldfields, Sonoma sunshine, Sebastopol meadowfoam, and manyflowered navarretia. However, in accordance with the USFWS Programmatic Biological Opinion, projects within the Southwest Santa Rosa Preserve System will be evaluated individually and mitigation may not necessarily adhere to the ratios described in the Conservation Strategy.	City of Santa Rosa Planning and Economic Development Department	Prior to construction of any subsequent project that could result in disturbance to bird or bat nests	
MM 3.4.1b	If there is the potential for destruction of a nest or substantial disturbance to nesting birds or bats due to construction activities, a plan to monitor nesting birds or bats during construction shall be prepared and submitted to the USFWS and CDFG for review and approval. The City shall comply with all USFWS or CDFG guidance for protection of nesting birds. If vegetation, buildings, or bridges that potentially provide nesting sites must be removed, a qualified wildlife biologist shall conduct pre-construction surveys. If an active bird nest is found, the bird shall be identified as to species and the approximate distance from the closest work site to the nest estimated. No additional measures need be implemented if active nests are more than the following distances from the nearest work site: (a) 300 feet for raptors; or (b) 75 feet for other non-special-status bird species. Disturbance of active nests shall be avoided to the extent possible until it is determined that nesting is complete and the	City of Santa Rosa Planning and Economic Development Department	Prior to construction of any subsequent project that could result in disturbance to bird nests or bat roosts	

MITIGATION MONITORING AND REPORTING PROGRAM

Proposed Mitigation	Summary of Measure	Monitoring Responsibility	Timing	Verification (Date and Initials)
	<p>young have fledged. Bats shall be absent or flushed from roost locations prior to demolition of buildings. If flushing of bats from buildings is necessary, it shall be done by a qualified biologist during the non-breeding season from October 1 to March 31. When flushing bats, structures shall be moved carefully to avoid harming individuals, and torpid bats given time to completely arouse and fly away. During the maternity season from April 1 to September 30, prior to building demolition or construction, a qualified biologist shall determine if a bat nursery is present at any sites identified as potentially housing bats. If an active nursery is present, disturbance of bats shall be avoided until the biologist determines that breeding is complete and young are reared.</p>			
MM 3.4.2a	Implement Mitigation Measure 3.4.1a and 3.4.1b	City of Santa Rosa Planning and Economic Development Department	Prior to any vegetation removal or ground disturbing activities	
MM 3.4.2b	<p>A formal wetland delineation shall be conducted for areas that will be permanently or temporarily impacted by the project. If jurisdictional waters cannot be avoided, the City shall apply for a CWA Section 404 permit from the USACE and a Section 401 permit from the RWQCB. These permits shall be obtained prior to issuance of grading permits and implementation of the proposed project.</p> <p>The City shall ensure that the project will result in no net loss of waters of the U.S. by providing mitigation through impact avoidance, impact minimization, and/or compensatory mitigation for the impact, as determined in the CWA Section 404/401 permits.</p> <p>Compensatory mitigation may consist of (a) obtaining credits from a mitigation bank; (b) making a payment to an in-lieu fee program that will conduct wetland, stream, or other aquatic resource restoration, creation, enhancement, or preservation</p>	City of Santa Rosa Planning and Economic Development Department	Prior to any vegetation removal or ground disturbing activities	

MITIGATION MONITORING AND REPORTING PROGRAM

Proposed Mitigation	Summary of Measure	Monitoring Responsibility	Timing	Verification (Date and Initials)
	<p>activities (these programs are generally administered by government agencies or nonprofit organizations that have established an agreement with the regulatory agencies to use in-lieu fee payments collected from permit applicants); and/or (c) providing compensatory mitigation through an aquatic resource restoration, establishment, enhancement, and/or preservation activity. This last type of compensatory mitigation may be provided at or adjacent to the impact site (i.e., on-site mitigation) or at another location, usually within the same watershed as the permitted impact (i.e., off-site mitigation). The project proponent/permit applicant retains responsibility for the implementation and success of the mitigation project.</p> <p>Evidence of compliance with this mitigation measure shall be provided prior to construction and grading activities for the proposed project.</p>			
Cultural Resources				
MM 3.5.2a	<p>Phase 1 Archaeological Resource Study. When specific projects are proposed within the project area that involve ground-disturbing activity, a site-specific Phase I archaeological resource study shall be performed by a qualified archaeologist or equivalent cultural resources professional that will include an updated records search, pedestrian survey of the project area, development of a historic context, sensitivity assessment for buried prehistoric deposits, and preparation of a technical report that meets federal and state requirements. If significant or unique resources are identified and cannot be avoided, treatment plans will be developed in consultation with the City and appropriate Native American representatives to mitigate potential impacts to less than significant based on the provisions of Public Resources Code Section 21083.2.</p>	City of Santa Rosa Planning and Economic Development Department	Prior to subsequent projects that would result in ground-disturbing activity	

MITIGATION MONITORING AND REPORTING PROGRAM

Proposed Mitigation	Summary of Measure	Monitoring Responsibility	Timing	Verification (Date and Initials)
MM 3.5.2b	Should any archaeological artifacts be discovered during construction of any project allowed under the Specific Plan, all construction activities shall be halted immediately within 50 feet of the discovery, the City shall be notified, and a professional archaeologist that meets the Secretary of the Interior's Standards and Guidelines for Professional Qualifications in archaeology and/or history shall be retained to determine the significance of the discovery. The professional archaeologist shall prepare a plan to identify, record, report, evaluate, and recover the resources as necessary, which shall be implemented by the developer. Construction within the area of the discovery shall not recommence until impacts on the archaeological resource are mitigated as described in Mitigation Measure MM 3.5.2a. Additionally, Public Resources Code Section 5097.993 stipulates that a project sponsor must inform project personnel that collection of any Native American artifacts is prohibited by law.	City of Santa Rosa Planning and Economic Development Department	As a condition of subsequent project approval, and during construction of any subsequent project	
MM 3.5.3a	Implement Mitigation Measure MM 3.5.2a (Phase 1 Archaeological Resource Study).	See MM 3.5.2a	See MM 3.5.2a	
MM 3.5.3b	Should human remains be discovered during construction of any project allowed under the Specific Plan, all construction activities shall be halted immediately within 50 feet of the discovery, the City shall be notified, and the Sonoma County Coroner shall be notified, according to Section 5097.98 of the State Public Resources Code and Section 7050.5 of California's Health and Safety Code. If the remains are determined to be Native American, the coroner will notify the Native American Heritage Commission, and the procedures outlined in CEQA Section 15064.5(d) and (e) shall be followed.	City of Santa Rosa Planning and Economic Development Department	As a condition of subsequent project approval, and during construction of any subsequent project	
Hazards and Hazardous Materials				
MM 3.8.4a	Phase I Environmental Site Assessment. Developers shall be required to complete a Phase I environmental site assessment for	City of Santa Rosa Fire Department; City of Santa	As a condition of subsequent project	

MITIGATION MONITORING AND REPORTING PROGRAM

Proposed Mitigation	Summary of Measure	Monitoring Responsibility	Timing	Verification (Date and Initials)
	<p>each property to be developed or redeveloped. If a Recognized Environmental Condition (REC) is identified in a Phase I environmental site assessment, a Phase II environmental site assessment shall be prepared to determine whether conditions are present that require remediation or other controls to minimize the potential for hazardous materials contamination to adversely affect public health and the environment. If remediation is required, developers shall complete site remediation in accordance with OSHA standards and Santa Rosa Fire Department, Sonoma County Environmental Health Department, and State Water Resources Control Board guidelines. The Department of Toxic Substances Control (DTSC) may become involved wherever toxic levels of contaminants are found that pose an immediate hazard. Remediation shall reduce human exposure risk and environmental hazards, both during and after construction. The remediation plan shall be prepared in accordance with the environmental consultant's recommendations and established procedures for safe remediation. Specific mitigation measures designed to protect human health and the environment will be provided in the plan. Requirements shall include but not be limited to the following:</p> <ul style="list-style-type: none"> • Documentation of the extent of previous environmental investigation and remediation at the site, including closure reports for underground storage tanks (USTs) and contaminant concentrations. • A site-specific health and safety plan to be prepared by all contractors at the project site, where applicable. This includes a plan for all demolition, grading, and excavation on the site, as well as for future subsurface maintenance work. The plan shall include appropriate training, any required personal protective equipment, and monitoring of contaminants to determine exposure. The Health and Safety 	<p>Rosa Planning and Economic Development Department</p>	<p>approval, and implemented during construction activities</p>	

MITIGATION MONITORING AND REPORTING PROGRAM

Proposed Mitigation	Summary of Measure	Monitoring Responsibility	Timing	Verification (Date and Initials)
	<p>Plan shall be reviewed and approved by a certified industrial hygienist.</p> <ul style="list-style-type: none"> • Description of protocols for the investigation and evaluation of previously unidentified hazardous materials that could be encountered during project development, including engineering controls that may be required to reduce exposure to construction workers and future users of the site. • Requirements for site-specific construction techniques that would minimize exposure to any subsurface contamination, where applicable, which shall include treatment and disposal measures for any contaminated groundwater removed from excavations, trenches, and dewatering systems in accordance with local and Regional Water Quality Control Board guidelines. • Sampling and testing plan for excavated soils to determine suitability for reuse or acceptability for disposal at a state-licensed landfill facility. • Restrictions limiting future excavation or development of the subsurface by residents and visitors to the proposed development, and prohibition of groundwater development should it be determined from test results that contamination is present. The restrictions would be developed based on site-specific conditions and would reflect the requirements of the RWQCB and/or DTSC, depending on which agency is responsible for oversight of the particular site. Restrictions, which are sometimes also referred to as land use covenants, shall be recorded with the parcel(s), shall run with the land. The developer or land owner successor(s)-in-interest shall be responsible for ensuring development complies with the restrictions. Compliance with the restrictions must be demonstrated to the satisfaction of the City before a grading permit is issued. 			

MITIGATION MONITORING AND REPORTING PROGRAM

Proposed Mitigation	Summary of Measure	Monitoring Responsibility	Timing	Verification (Date and Initials)
	<ul style="list-style-type: none"> Completion of an approved remediation plan should land use restrictions be insufficient to allow development to proceed safely. Remediation measures may include excavation and replacement of contaminated soil with clean fill, pumping and treatment of groundwater, thermal treatment, etc. 			
MM 3.8.4b	<p>In the event previously unknown contaminated soil, groundwater, or subsurface features are encountered or have the potential be present during ground-disturbing activities at any site, work shall cease immediately, and the developer's contractor shall notify the City of Santa Rosa Fire Department for further instruction. The City shall ensure any grading or improvement plan or building permit includes a statement specifying that if hazardous materials contamination is discovered or suspected during construction activities, all work shall stop immediately until the City of Santa Rosa Fire Department has determined an appropriate course of action. Such actions may include, but would not be limited to, site investigation, human health and environmental risk assessment, implementation of a health and safety plan, and remediation and/or site management controls. The City of Santa Rosa Fire Department shall be responsible for notifying the appropriate regulatory agencies and providing evidence to the City Planning and Economic Development Department that potential risks have been mitigated to the extent required by regulatory agencies. Work shall not recommence on an impacted site until the applicable regulatory agency has determined further work would not pose an unacceptable human health or environmental risk. Deed restrictions may be required as provided under mitigation measure MM 3.8.4a.</p>	<p>City of Santa Rosa Fire Department; City of Santa Rosa Planning and Economic Development Department</p>	<p>As a condition of subsequent project approval, and implemented during construction activities</p>	
Traffic and Transportation				
MM 3.14.9	<p>Prior to construction activities, applicants seeking to construct projects in the project area shall submit a construction traffic control plan to the City of Santa Rosa for review and approval.</p>	<p>City of Santa Rosa Transportation and Public Works Department and</p>	<p>Prior to construction activities</p>	

MITIGATION MONITORING AND REPORTING PROGRAM

Proposed Mitigation	Summary of Measure	Monitoring Responsibility	Timing	Verification (Date and Initials)
	<p>The plan shall identify the timing and routing of all major construction-related traffic to avoid potential congestion and delays on the local street network. Any temporary road or sidewalk closures shall be identified along with detour plans for rerouting pedestrian and bicycle traffic for rerouting pedestrian and bicycle traffic. The plan shall also identify locations where transit service would be temporarily rerouted or transit stops moved, and these changes must be approved by the Santa Rosa CityBus and Sonoma County Transit before the plan is finalized. If necessary, movement of major construction equipment and materials shall be limited to off-peak hours to avoid conflicts with local traffic circulation.</p>	<p>Planning and Economic Development Department</p>		
<p>MM 3.14.12</p>	<p>The City shall widen the Dutton Avenue westbound off-ramp to extend the right turn pocket to a minimum length of 550 feet to alleviate the adverse queuing onto the mainline freeway. The City shall monitor queuing conditions on the ramp through field observations and review of development traffic impact studies and add the widening project to the Capital Improvement Program once it is determined that queues are likely to exceed storage within a five-year time frame. The City shall collaborate with Caltrans in obtaining approvals to complete the widening project.</p>	<p>City of Santa Rosa Transportation and Public Works Department</p>	<p>Prior to adverse queuing onto the mainline freeway</p>	