

# Cole Avenue Storm Drain Project

## MITIGATION MONITORING AND REPORTING PROGRAM

City of Riverside  
Public Works Department  
3900 Main Street, 4<sup>th</sup> Floor  
Riverside, CA 92522

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## Cole Avenue Storm Drain Project

Pursuant to Section 15094 (c), a written monitoring and reporting program has been compiled to verify implementation of adopted mitigation measures. “Monitoring” refers to the ongoing or periodic process of project oversight. “Reporting” refers to written compliance review that will be presented to the responsible parties included in the table below. A report can be required at various stages throughout project implementation or upon completion of the mitigation measure. The following table provides the required information which includes identification of the potential impact, the various mitigation measures, applicable implementation timing, identification of the agencies responsible in implementation, and the monitoring/reporting method for each mitigation measure identified. This MMRP is set up as a Compliance Report, with space for confirming the mitigation measures have been implemented.

The following clarifies the meaning of each column in the following table:

Impact Category	Identifies potentially affected resource/environmental condition.
Mitigation Measure	Those measures that will be implemented to minimize possible significant environmental impacts.
Implementation Timing	The phase of the project in which implementation and compliance will be monitored.
Responsible Party	Identifies the entity responsible for monitoring implementation of the mitigation measure.
Method of Monitoring/Reporting	Identifies mechanism by which implementation will be verified.

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**Mitigation Monitoring and Reporting Program**

Impact Category/Threshold	Mitigation Measure	Implementation Timing	Responsible Party	Method of Reporting/Monitoring
<b>Biological Resources</b>				
<p>Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?</p>	<p><b>MM Biology 1:</b> In order to avoid impacts to least bell’s vireo and southwestern willow flycatcher, construction along Lurin Avenue shall be completed outside of the nesting season of mid-March through August. If site-preparation activities are proposed during the nesting/breeding season (mid-March through August), a focused protocol survey shall be conducted within suitable habitat by a qualified biologist prior construction, to determine if least Bell’s vireo and southwestern willow flycatchers are present in the construction zone. If birds are not located within the riparian habitat adjacent to Lurin Avenue construction may be conducted during the nesting/breeding season. However, if birds are detected, construction along Lurin Avenue shall not occur from mid-March to August.</p>	<p>Construction to be completed Sept 1 – March 15 or conduct survey prior to construction.</p>	<p>Public Works Department</p>	<p>Construction start date or pre-construction survey report.</p>
	<p><b>MM Biology 2:</b> In order to avoid violation of the Migratory Bird Treaty Act (MBTA) and California Fish and Game Code, construction along Lurin Avenue shall not occur during the nesting season (generally February 1 to August 31) of potentially occurring native and migratory bird species.</p> <p>If construction activities are proposed during the nesting/breeding season (February 1 to August 31), a pre-activity field survey shall be conducted within suitable habitat by a qualified biologist prior construction, to determine if active nests of species protected by the MBTA or the California Fish and Game Code are present in the construction zone. If active nests are not located within riparian habitat located south of Lurin Avenue, construction along Lurin Avenue may be</p>	<p>Construction to be completed Sept 1 – Jan 31 or conduct survey prior to construction.</p>	<p>Public Works Department</p>	<p>Pre-construction survey report.</p>

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Impact Category/Threshold	Mitigation Measure	Implementation Timing	Responsible Party	Method of Reporting/Monitoring
	<p>conducted during the nesting/breeding season. However, if active nests are located during the pre-activity field survey, no grading or heavy equipment activity shall take place within at least 500 feet of an active listed species or raptor nest, 300 feet of other sensitive or protected (under MBTA or California Fish and Game Code) bird nests (non-listed), or within 100 feet of sensitive or protected songbird nests until the nest is no longer active.</p>			
<b>Cultural Resources</b>				
<p>Cause a substantial adverse change in the significance of an archeological resource pursuant to § 15064.5?</p>	<p><b>MM Cultural 1:</b> Should any cultural and/or archaeological resources be or inadvertently discovered during construction, construction activities in the vicinity of the discovery shall immediately halt and shall be moved to other parts of the Project site and a qualified archaeologist shall be contacted to determine the significance of the resource(s). If the find is determined to be a historical or unique archaeological resource, as defined in Section 15064.5 of the California Code of Regulations (State CEQA Guidelines), avoidance or other appropriate measures shall be implemented.</p>	<p>Construction start to completion.</p>	<p>Public Works Department</p>	<p>Archaeological monitoring report, if needed.</p>
<p>Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?</p>	<p><b>MM Cultural 2:</b> Should any paleontological resources be uncovered during construction, construction activities in the vicinity of the discovery shall be moved and a qualified paleontological resources specialist will be retained to evaluate the resources. If the find is determined to be significant, avoidance or other appropriate measures as identified by the paleontologist shall be implemented. Appropriate measures would include that a qualified paleontologist be permitted to recover, evaluate; and curate the find(s) in accordance with current standards and guidelines.</p>	<p>Construction start to completion.</p>	<p>Public Works Department</p>	<p>Paleontological monitoring report, if needed.</p>

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Impact Category/Threshold	Mitigation Measure	Implementation Timing	Responsible Party	Method of Reporting/Monitoring
<b>Geology and Soils</b>				
Result in substantial soil erosion or the loss of topsoil?	<b>MM Geo 1:</b> Prior to the approval of the final construction plans, an Erosion Control plan that incorporates Best Management Practices (BMPs) to control erosion and protect water quality shall be approved by the Public Works Department. The BMPs shall be implemented by the construction contractor throughout the construction period.	Prior to and throughout construction.	Public Works Department	Completion of erosion control plan and its on-site availability for inspection upon request.
<b>Noise</b>				
Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<b>MM Noise 1:</b> All construction equipment shall be operated with mandated noise control equipment (i.e., mufflers or silencers).	Construction start to completion	Public Works Department	Maintenance records shall be available upon request and subject to on-site verification.
	<b>MM Noise 2:</b> To inform potential sensitive receptors of the pending Project construction, the City shall give written notification to all landowners, tenants, business operators, and residents immediately adjacent to the Project site, 30 days prior to the start of construction. The written notification shall include a tentative construction schedule and contact information for use by the public if specific noise issues arise.	30-days prior to construction.	Public Works Department	Written Notice

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DBESP	Monitoring	Implementation Timing	Responsible Party	Method of Reporting/ Monitoring
<p>In consultation with CDFG and USFWS during the DBESP review process, additional monitoring was agreed to be implemented to ensure no indirect impacts will occur to the existing riparian vegetation south of Lurin Avenue, as depicted in DBESP Figure 1, as a result of Project implementation.</p>	<p>Annual riparian vegetation monitoring at the end of the growing season (end of summer/early fall) shall occur for two years after Project construction. The riparian vegetation monitoring should include the following protocol elements:</p> <ol style="list-style-type: none"> <li>1) One to Two transects shall be included;</li> <li>2) The sampling transect(s) will be placed in representative area(s) of the riparian habitat;</li> <li>3) Use the Point Intercept method (i.e., points along a transect) or Line Intercept method;</li> <li>4) If using point intercept method, point spacing (the sampling unit) along the transect should be far enough apart that points do not fall into the same microsite, gap, or clone;</li> <li>5) Transect length should be at least 50 meters;</li> <li>6) Transect(s) will be marked via GPS and stake (if feasible) such that the same transect will be sampled each year;</li> <li>7) Permanent photo documentation stations will be established along the transect(s), marked using a GPS;</li> <li>8) Baseline data will be collected along the established transect(s) prior to project implementation;</li> <li>9) The following vegetative data will be collected:                         <ol style="list-style-type: none"> <li>a) Species composition</li> <li>b) Percent cover: total percent cover, percent cover by</li> </ol> </li> </ol>	<p>Prior to construction, baseline conditions shall be recorded for the riparian vegetation. After construction, annual monitoring will occur at the end of the growing season (late August to early September) for a minimum of two years.</p>	<p>Public Works Department</p>	<p>Annual reports summarizing results of monitoring activities shall be submitted to CDFG and USFWS.</p>

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	<p>species, percent cover by vegetative layer (herbaceous; shrub; tree)</p> <p>c) Plant health (normal, dead, declining [wilted; yellowing leaves; etc.].</p> <p>Monitoring results shall be submitted to the Wildlife Agencies (CDFG and USFWS).</p> <p>If the annual monitoring results after the second year indicate that the riparian vegetation is greater than or equal to the baseline vegetation, no further monitoring shall be required.</p> <p>In addition, if the annual monitoring results after the second year indicate that the riparian vegetation is less than the baseline vegetation, then the Wildlife Agencies and the Project proponent will meet to discuss if the decline is a result of the Project or some other factor such as drought. If the riparian vegetation decline appears to be the result of the Project then the City of Riverside will work with the Wildlife Agencies to develop a solution.</p>			
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