# 5. MITIGATION MONITORING PROGRAM

## 5.1 Mitigation Monitoring Program for Mitigation Measures Identified to Reduce Potentially Significant Impacts to Less-than-Significant Levels.

The lead agency is required to adopt a reporting or monitoring program for the changes made to the project or conditions of project approval that are required to mitigate or avoid significant effects on the environment. The reporting or monitoring program must be designed to ensure compliance during implementation (CEQA Section 21081.6 (a) (1)).

Table 5-1 sets forth mitigation measures for the Reunification of Courthouse Square project. The Reunification of Courthouse Square is a Tiered EIR. Mitigation Measures included in the Program EIR that are applicable to the project have been included.

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| **Aesthetics and Visual Quality** | | | | |
| **Mitigation Measure 4.1-1 (*Affects the Existing Visual Quality*):** See Mitigation Measures 4.3-1 through 4.3-3. | **SR** | | | |
| **Mitigation Measure 4.1-2 (*Affects Scenic Views and Existing Scenic Resources*):** None required. | - | | | |
| **Mitigation Measure 4.1-2 (*Light and Glare*):** None required. | - | | | |
| **Air Quality** | | | | |
| **Mitigation Measure 4.2-1 (*Construction Impacts-Dust and Equipment Emissions*):** Implementation of the measures recommended by BAAQMD and listed below would reduce the air quality impacts associated with grading and new construction to a less-than-significant level. The contractor shall implement the following Best Management Practices during all phases of construction, as applicable:<br>(a) All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered as needed to prevent visible dust.<br>(b) All haul trucks transporting soil, sand, or other loose material off-site shall be covered.<br>(c) All visible mud or dirt tracked-out onto adjacent public roads shall be removed using commercial | **SR** | | | |

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| wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.<br>(d) All vehicle speeds on unpaved roads shall be limited to 15 mph.<br>(e) All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.<br>(f) Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.<br>(g) All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.<br>Post a publicly visible sign with the telephone number and person to contact at the Lead Agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's phone number shall also be visible to ensure compliance with applicable regulations. | | | | |

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| **Mitigation Measure 4.2-2 (*Operational Impacts*):**<br>None Required. | - | | | |
| **Mitigation Measure 4.2-3 (*Criteria Pollutants*):**<br>None required. | - | | | |
| **Biological Resources** | | | | |
| **Mitigation Measure 4.3-1 (*Vegetation Removal*):**<br>Vegetation would be replanted as soon after disturbance as is practical. | **SR** | | | |
| **Mitigation Measure 4.3-2 (*Removal of Heritage Trees*):** *Heritage* trees that are removed for construction of the peripheral roadways along the east and west sides of the Square would be replaced in accordance with the City of Santa Rosa Tree Ordinance. For each six inches or fraction thereof of the diameter of a tree which was approved for removal, two trees of the same genus and species as the removed tree (or another species, if approved by the Director), each of a minimum 15-gallon container size, shall be planted on the project site. If the site is inadequate in size to accommodate the replacement trees, the trees shall be planted on public property with the approval of the Director of the City's Recreation and Parks Department. Approximately 74 replacement trees would be required to replace the 5 heritage trees (Chapter 17-24 of the City Code). Some trees would be replaced within Courthouse Square; others would be replaced in nearby park areas. | **SR** | | | |

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| **Mitigation Measure 4.3-3 (*Removal of 91 Trees*):** Trees other than the heritage trees described above, and excluding Monterey pines, would be replaced as required by the Santa Rosa Tree Ordinance. | **SR** | | | |
| **Mitigation Measure 4.3-4 (*Effects to vegetation from Ongoing Maintenance*):** (a) Trees and other landscaping would be pruned to avoid interference with the raising of fire truck ladders from the aerial access staging area on both the west and east sides of Courthouse Square. (b) Ongoing maintenance would be conducted to minimize impacts to nesting birds and bats (See Mitigation Measures 4.3-5 and 4.3-6). | **SR** | | | |
| **Mitigation Measure 4.3-5 (*Nesting Birds*):** To avoid "take" and/or further evaluate presence or absence of birds, the following measures would be required:<br>▪ Grading or removal of any vegetation shall be conducted outside the nesting season, which occurs between approximately February 1 and August 31. (No survey is required during this period).<br>▪ If grading or vegetation removal between August 31 and February 1 is infeasible and work must occur within the breeding season, a pre-construction nesting bird (both passerine[1] and raptor) survey of the landscaped areas and trees shall be performed by a qualified biologist within 7 days of ground | **SR** | | | |

[1] Passerines are a group of mostly perching songbirds.

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| breaking. If no nesting birds are observed, no further action is required and work shall occur within one week of the survey to prevent "take" of individual birds that could begin nesting after the survey.<br>▪ If bird nests (either passerine and/or raptor) are observed during the pre-construction survey, a disturbance-free buffer zone shall be established around the nest tree(s) until the young have fledged, as determined by a qualified biologist.<br>▪ The radius of the required buffer zone can vary depending on the species, (i.e., 75-100 feet for passerines and 200-300 feet for raptors), with the dimensions of any required buffer zones to be determined by a qualified biologist in consultation with CDFW.<br>▪ To delineate the buffer zone around a nesting tree, orange construction fencing shall be placed at the specified radius from the base of the tree within which no machinery or workers shall intrude.<br>▪ After the fencing is in place there will be no restrictions on grading or construction activities outside the prescribed buffer zones. | | | | |
| **Mitigation Measure 4.3-6 (*Impacts to Bats*):** The following mitigation measures shall be required to avoid impacts to roosting bats.<br><br>(a) Preconstruction Surveys:<br>▪ All trees and structures suitable for use by bats would be surveyed for signs of bats prior to project activities. | **SR** | | | |

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| (b) Avoidance Measures:<br>▪ If bats are discovered during the surveys, then a buffer of 100 to 150 feet would be maintained.<br>▪ The optimal time to remove trees is September 15 through October 15, when young would be capable of flying, and between February 15 to April 1 to avoid hibernating bats and prior to formation of maternity sites.<br>▪ If flushing of bats is necessary, it shall be done by a biologist during the non-breeding season from October 1 to March 31. When flushing bats, structures and/or trees shall be removed carefully to avoid harming individuals, and torpid bats given time to completely arouse and fly away.<br>▪ During the maternity season from April 1 to September 30, prior to 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. | | | | |
| **Cultural Resources** | | | | |
| **Mitigation Measure 4.4-1 (*Prehistoric and Historic Archaeological Sites*):**<br>(a) Conduct a training for construction and development personnel regarding archaeological materials that could be encountered, with requirements to contact the City Project Manager if anything is found. | **SR** | | | |

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| (b) If archaeological remains are uncovered, work in the place of discovery shall be halted immediately until a qualified archaeologist can evaluate finds (Section 15064.5[f]).<br><br>(c) If human remains are encountered, excavation or disturbance of the location shall be halted in the vicinity of the find and the county coroner contacted. If the coroner determines the remains are Native American, the coroner will contact the Native American Heritage Commission. The Native American Heritage Commission will identify the person or persons believed to be most likely descended from the deceased Native American. The most likely descendent makes recommendations regarding the treatment of the remains with appropriate dignity. | | | | |
| **Mitigation Measure 4.4-2 (*Historically Important Buildings*):** None required. | **SR** | | | |

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| **Standard Measure 4.4-3 (*Construction Period Impacts*):**<br>(a) The use of heavy bulldozers and other vibration-causing equipment in construction zones shall be excluded within 25 feet of significant historic buildings or structures. A system of spot-check monitoring shall also be performed by an architectural historian at critical times, as determined by the City Project Manager overseeing construction.<br><br>(b) Pneumatic drills and augers shall be used within 200 feet of all eligible or potentially eligible historic resources. A system of spot-check monitoring shall also be performed by an architectural historian at the critical times, as determined by the City Project Manager overseeing construction. | **SR** | | | |

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| **Geology, Soils and Seismicity** | | | | |
| **Mitigation Measure 4.5-1 (*Seismic Ground-shaking*):**<br><br>(a) All structures shall be designed in accordance with the currently adopted building codes and ordinances of the City of Santa Rosa. At a minimum, all project improvements would meet the requirements of the California Building Code (CBC) for Seismic Design Category D.<br><br>(b) All excavation and construction would be performed in accordance with recommendations made by Bauer Associates in the Geotechnical Study. | **SR** | | | |
| **Mitigation Measure 4.5-2 (*Differential Compaction/Densification*):** Foundations shall extend through soft, low density, uniform sized fine-grained soils, soils above the groundwater level, and weak soils; or these materials should be upgraded by removal and/or compaction. | **SR** | | | |
| **Mitigation Measure 4.5-3 (*Liquefaction*):** Foundation support shall be extended below the zone of anticipated significant seasonal moisture variation, or soils shall be thoroughly saturated and blanketed with a moisture-confining blanket of non-expansive fill. | **SR** | | | |

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| **Mitigation Measure 4.5-4 (*Caving*):** A geotechnical consultant would be on-site to monitor excavations during the drilling of the pylons. | **SR** | | | |
| **Standard Measure 4.5-5 (*Vibration*):** Monitoring should be conducted prior to and continue during and after construction. If effects of vibration are observed, underpinning, bracing and/or shoring may be implemented. | **SR** | | | |
| **Mitigation Measure 4.5-6 (*Erosion*):**<br>(a) During construction, Best Management Practices, construction site management and monitoring would be carried out as specified in the project specific Storm Water Pollution Prevention Plan (SWPPP).<br>(b) Best Management Practices would be required for all construction and maintenance projects to minimize erosion.<br>(c) An erosion control plan would be prepared in accordance with the City of Santa Rosa Grading and Erosion Control Ordinance. Conformance with erosion control Best Management Practices in the NPDES MS4 permit is also required.<br>(d) Erosion control measures to reduce soil erosion from runoff, construction operations, wind and other | **SR** | | | |

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| causes would be implemented in accordance with General Plan Policy NS-C-8. | | | | |
| **Greenhouse Gas Emissions** | | | | |
| **Mitigation Measure 4.6-1 (*Greenhouse Gas Emissions*):** None required. | - | | | |
| **Mitigation Measure 4.6-2 (*Plan Conflicts*):** None required. | - | | | |
| **Hazards and Hazardous Materials** | | | | |
| **Mitigation Measure 4.7-1 (*Unearthing Contaminated Soils*).** The following procedures would be followed to address contaminated soils:<br><br>(a) A soil management plan shall be prepared in consultation with the SRFD and incorporated into the construction documents. It would include guidelines for sampling excavated soils and pre-characterizing soils for appropriate disposal.<br><br>(b) During project construction, excavated soils within construction areas shall be sampled for volatile organic compounds (VOCs), lead, PCB's and other contaminants. Soils with levels of VOCs above laboratory detection limits need to be disposed of at a permitted facility. Contaminated soils may not be | **SR** | | | |

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| placed in other areas of the site without a permit issued by the RWQCB.<br><br>(c) The RWQCB, the DTSC, the SCDEH, and SRFD as appropriate, shall be contacted immediately if contamination is encountered during construction activities. | | | | |
| **Mitigation Measure 4.7-2 (*Encountering Contaminated Groundwater*):**<br>(a) A groundwater management plan shall be prepared in consultation with the RWQCB and incorporated into construction documents.<br><br>(b) Groundwater would be treated with activated carbon or treated at the Subregional Treatment Plant, as needed, prior to discharge.<br><br>(c) Any water resulting from construction dewatering of contaminated soils also needs to be collected, stored, and sampled. Water containing levels of VOCs above the laboratory detection limit, requires disposal to a permitted facility.<br><br>(d) Any disposed and turbid waters or any contaminated waters may not be discharged to surface waters.<br><br>(e) Water that is not contaminated with VOCs will also | **SR** | | | |

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| need to be disposed of properly. Depending on its quality, it may be discharged to the sanitary sewer or treated further onsite prior to discharge.<br><br>(f) If contaminated groundwater is encountered, an impervious plastic or other layer may be required below the decomposed granite within the 'great central place'. | | | | |
| **Hydrology, Water Quality and Flooding** | | | | |
| **Mitigation Measure 4.8-1 (*Violation of Water Quality Standards)*:**<br>(a) Pursuant to the City of Santa Rosa grading, erosion control and storm water ordinances, the State Construction General Permit, and the National Pollutant Discharge Elimination System (NPDES) MS4 requirements, the city shall develop and implement a Storm Water Pollution Prevention Plan (SWPPP) and a SUSMP report for the project site to protect water quality during and after construction. Erosion control / soil stabilization techniques such as straw mulching, erosion control blankets, erosion control matting, and hydro-seeding shall be utilized in accordance with the regulations set forth by the SWRCB in the Construction General Permit.<br>(b) All demolition and construction would adhere to the requirements of the 2010 California Green Building Standards code (Cal Green). | **SR** | | | |

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| **Mitigation Measure 4.8-2 (*An Increase in Downstream Flood Potential*):**<br>(a) In accordance with the Sonoma County Water Agency Flood Control Design Criteria, the city as the developer of the project shall develop a Hydrology and Hydraulic Report that includes design drawings and calculations of the capacity of the proposed storm drain system for the project. The Hydrology and Hydraulic Report shall also include a hydraulic analysis prepared consistent with the Sonoma County Water Agency Flood Control Design Criteria to establish whether the existing municipal system has the capacity to accommodate any increased flows resulting from the proposed project. The Hydrology and Hydraulic Report shall be submitted to the City of Santa Rosa for review prior to approval. The Hydrology and Hydraulic Report should be consistent with the SCWA Flood Control Design Criteria, all subsequent revisions, and the General Plan policies.<br>(b) Any liner that may be needed under the 'great central place' shall be selected in consultation with the Regional Water Quality Control Board. | **SR** | | | |

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| **Noise** | | | | |
| **Mitigation Measure 4.9-1 (*Temporary or Periodic Increase in Noise*):**<br>(a) Noise generating activities at the construction site or in areas adjacent to the construction site associated with the project in any way should be restricted to the hours of 7:00 a.m. to 5:00 p.m. Monday through Saturday. No construction would occur on Sundays or holidays. Any special circumstances which necessitate performance of construction work outside the hours and days specified would require that the contractor request and the City's project manager approve such work.<br><br>(b) Businesses, residences or other noise sensitive land uses adjacent to the construction site shall be notified of the construction schedule in writing. A "construction liaison" would be responsible for responding to any local complaints about construction noise. A phone number for the liaison would be posted in the construction area. The liaison would determine the cause of the noise complaints and institute reasonable measures to correct the problem.<br><br>(c) Locate stationary noise generating equipment as far as possible from sensitive receptors when sensitive receptors adjoin or are near a construction project area. | SR | | | |

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| (d) Utilize "quiet" air compressors and other stationary noise sources where technology exists.<br><br>(e) Equip all internal combustion engine driven equipment with intake and exhaust mufflers that are in good condition and appropriate for the equipment. | | | | |
| **Mitigation Measure 4.9-2 (*Operational Noise*):** All events utilizing amplified music would require a Special Assembly Permit (See Mitigation Measure 4.12-1). | **SR** | | | |
| **Land Use and Planning** | | | | |
| **Mitigation Measure 4.10-1 (*Interim Disruption of Existing Land Uses*):** A Downtown public participation plan would be developed by the City in conjunction with the Santa Rosa Chamber of Commerce to encourage continued use of the Downtown during the construction period. Regular updates would be provided on the City's website. | **SR** | | | |

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| **Standard Measure 4.10-2 (*Additional Conflicts and Nuisance Impacts*):** Scheduling and the Special Event Permit process would be used to avoid and/or minimize conflicts. | **SR** | | | |
| **Transportation and Circulation** | | | | |
| **Mitigation Measure 4.11- 1 (*Construction Impacts*):** The City and its contractors shall develop a traffic control plan prior to the commencement of construction. Elements of this plan shall be implemented as necessary and appropriate for each phase of construction. The plan shall include, but not be limited to, project construction staging areas and identification of detour routes to be used in order to maintain access during various phases of the project's construction. | **SR** | | | |
| **Standard/Already Approved Measure (Traffic Impacts) 4.11-2:**<br>No additional mitigation measures would be required beyond those adopted as part of the *2008 Traffic Report*. Priority for implementation of those measures already adopted but not yet implemented is described below (and also included on page 10 of Appendix H):<br>1. Modify the westbound lane configuration and signal phasing at the Third Street/B Street intersection. The project will eliminate the westbound left-turn pocket at Third Street/B Street and restripe the approach to include two through lanes and a right- | **SR** | | | |

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| turn lane.<br>2. Restripe the eastbound approach at Third Street/Santa Rosa Avenue to remove the eastbound left-turn pocket and create two through lanes in each direction.<br>3. Deploy changeable message sign (CMS) units on all major routes into downtown for at least two weeks prior to closure of Mendocino Avenue through Courthouse Square, alerting drivers to the upcoming change.<br>4. Close Mendocino Avenue to through traffic at a specified off-peak period (weekend, early morning or late evening), setting the signals at Third Street/Santa Rosa Avenue to flashing red, and installing portable barricades across the closed roadway at both Third Street and Fourth Street. Deploy additional CMS units that direct northbound and southbound through traffic on the Santa Rosa Avenue-Mendocino Avenue corridor to use the new B Street route through downtown.<br>5. Implement signal timing and phasing associated with the new configuration at the Third Street/Santa Rosa Avenue intersection.<br>6. Modify the striping on northbound Santa Rosa Avenue to include dual left-turn lanes and a right-turn lane.<br>7. Open Exchange Street and Hinton Street to traffic.<br>8. Adjust signal timing on the downtown signal network to optimize traffic progressions with the new traffic patterns. Such adjustments will need to be made iteratively, likely over a minimum of several weeks, until drivers adjust to the changes | | | | |

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| and traffic patterns become regular.<br>9. Monitor traffic volumes and congestion on Fourth Street between Mendocino Avenue and B Street to determine if southbound through drivers are using this unintended route to reach B Street. If such a pattern occurs for a prolonged period, implement right turn only restrictions from westbound Fourth Street to B Street.<br><br>**The following is a breakdown of the traffic improvements described in the 2008 traffic analysis (pages 6-8 and page 39), sorted by those that have been completed, those that remain to be implemented, and those identified as needed in the future to accommodate full buildout of the City and the Downtown Station Area Plan.**<br>• **Completed Improvements:**<br>▪ Reconfigure the B Street-Healdsburg Avenue corridor to provide two continuous southbound lanes<br>▪ Implement dual southbound left turn lanes at B Street/First Street<br>▪ Modify First Street to provide dual eastbound lanes<br>▪ Implement dual eastbound right turn lanes at Santa Rosa Avenue/First Street (the City has implemented an alternative configuration with single right turn lane and modified signal phasing that will provide equivalent capacity and acceptable operation) | | | | |

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| ▪ Restripe southbound Santa Rosa Avenue between Third and First Streets to include a single through lane<br>▪ Restripe the southbound approach of B Street/Third Street to include a left turn lane, through lane, and shared through-right lane<br>▪ Convert Tenth Street between Healdsburg Avenue and Mendocino Avenue to one-way eastbound with two travel lanes<br>▪ Install a traffic signal at Tenth Street/Mendocino Avenue<br>▪ Install a traffic signal at B Street/Transit Mall<br>• **Improvements Remaining to be Completed:**<br>▪ Terminate northbound Santa Rosa Avenue at Third Street, and restripe the northbound approach to include dual left turn lanes and a right turn lane<br>▪ Terminate southbound Mendocino Avenue at Fourth Street<br>▪ Restripe the eastbound approach at Santa Rosa Avenue/Third Street to include a through lane and shared through-right turn lane<br>▪ Restripe Third Street between B Street and Santa Rosa Avenue to include two westbound lanes<br>▪ Eliminate the westbound left turn lane at B Street/Third Street and prohibit this movement (excepting transit vehicles)**<br>▪ Restripe the westbound approach of B Street/Third Street to include dual through | | | | |

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| lanes and a right turn lane<br>▪ Convert Fifth Street to a two-way street between B Street and Mendocino Avenue<br>▪ At the B Street/Transit Mall intersection, restrict access into and out of the Sears parking lot to right turns<br><br>***If buses were to turn left at this signal, then the movement would be from the through lane (email communication, Whitlock & Weinberger, January 2014). City staff have evaluated this issue and concluded that it is very likely that buses will be re-routed rather than make this movement due to potential negative impacts on the intersection.*<br><br>• **Long-Range (Buildout) Mitigation:**<br>▪ Third Street/B Street intersection – Construct a southbound right turn lane, resulting in a southbound approach with one right turn lane, two through lanes, and a left turn lane | | | | |
| **Mitigation Measure 4.11-3 (*Emergency Services*):** To address impact to response time and to provide maximum flexibility for emergency vehicles that may respond from a variety of undefined locations depending upon their location when the request for service is initiated, intersections that currently are not equipped with *Opticom* traffic pre-emption in a two | **SR** | | | |

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| block radius of the proposed closure shall have the feature installed in all directions (The Fire Department has a map that illustrates the locations stored on Permits Plus). Reunification of Courthouse Square would also require that the SRFD pre-plan routes to travel to specific properties to minimize delays. | | | | |
| **Mitigation Measure 4.11- 4 (*Pedestrian Circulation*).**<br>(a) The City shall install pedestrian crossing barriers that prohibit crossings of Third Street at the Third Street/Exchange Street intersection.<br><br>(b) The City shall monitor the frequency and types of collisions at the crosswalk and determine if the frequency of collisions decreases. If there continue to be pedestrian-involved collisions, the City shall install an appropriate lighted pedestrian crossing warning system to be selected by the City Traffic Engineer.<br><br>(c) The City shall stripe advance yield markings on eastbound Third Street at the Hinton Street pedestrian crossing. | **SR** | | | |
| **Standard Measure 4.11- 5 (*Elimination of Loading Zone*):** The City shall designate a loading zone at some location on or near the northern side of Third Street in Courthouse Square. Possible locations include (1) designate two metered spaces on Third Street along Circle Bank as a loading zone; or (2) designate the two | **SR** | | | |

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| southernmost parallel parking spaces to be created by the proposed project on Hinton Street as a loading zone. | | | | |
| **Standard Measure 4.11-6 (*Bicycle Parking*):** Locations close to Courthouse Square should be identified for bicycle parking during special events. . Possible locations include using portions of walkways between buildings that connect with parking garages. | **SR** | | | |
| **Public Services** | | | | |
| **Mitigation Measure 4.12-1 (*An Increase in Emergency Service Calls*):** Special Event Permits from the Recreation, Parks and Community Services Department shall be required for gatherings of 50 people or more. As part of the permit process, the police and fire departments would be notified if the need for additional personnel is anticipated. | **SR** | | | |
| **Mitigation Measure 4.12-2 (*Design Refinements to Address Emergency Services*):**<br>(a) Commercial fire hydrants with a minimum of 2,500 gpm would be installed every 300 feet on Hinton and Exchange Streets.<br>(b) An "aerial apparatus staging area" would be identified for both Hinton and Exchange Streets to ensure access to multi-story buildings. | **SR** | | | |

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| Table 5-1<br>**MITIGATION MONITORING PROGRAM** (*As revised, February 2014*) | | | | |
|---|---|---|---|---|
| **Mitigation Measures** | **Monitoring Agency** | **Shown on Plans** | **Constructed/Installed** | **Remarks** |
| (c) Fire lanes (including the 10' sidewalks on the east and west sides of the square) would be delineated to ensure they are available for emergency access.<br>(d) A minimum inside 20-foot turning radius and an outside 40-foot turning radius would be maintained to and from the new Hinton and Exchange Streets.<br>(e) A Fire Access Plan shall be prepared that illustrates the turning radius, the aerial access staging areas, fire lane delineation (if a part of the 26' lane is also a walking surface) and the transition from eastbound 3rd Street to northbound Hinton and Exchange Streets.<br><br>(f) Opti-Com traffic pre-emption devices shall be installed at intersections within two blocks of the Square to operate in all directions. They would also be installed as needed to ensure access to the Junior College and other neighborhoods north of Courthouse Square.<br>(g) Areas used for large assembly require emergency lighting to illuminate the exit path to a public way. An emergency lighting system shall be incorporated into the existing lighting design in accordance with the National Electric Code. The emergency lighting system shall be supplied by a generator, battery powered back-up lighting system, or stand-alone battery light packs. | | | | |

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| .**Mitigation Measure 4.12-3 (*Fire Hazard within New Structures*):** Utility services for building construction shall be sized to accommodate the water demand of a fire sprinkler system. | **SR** | | | |
| **Mitigation Measure 4.12-4 (*Fire Department Connections*):** Fire Department Connection (FDCs) locations require approval from the Fire Department and the FDCs must be located within 50 feet of a fire hydrant. This may create the need to install additional fire hydrants and shall be handled as part of the standard Fire Review of Utility CIP projects. | **SR** | | | |
| **Mitigation Measure 4.12-5 (*Increased Park Maintenance*):** Additional City personnel/hours would be required to maintain Courthouse Square and remove trash, particularly after special events such as concerts, fairs and other events. | **SR** | | | |

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| **Mitigation Measures** | **Monitoring Agency** | **Shown on Plans** | **Constructed/Installed** | **Remarks** |
| **Utilities and Infrastructure** | | | | |
| **Mitigation Measure 4.13-1 (*Sizing of Utilities*):** Utility services for future building construction shall be sized to accommodate the water demand of a sprinkler system. | **SR** | | | |
| **Mitigation Measure 4.13-2 (*Utility Line Conflicts*):**<br>(a) Existing and historic City and County water and sewer maps shall be consulted to ensure that water or sewer pipes, and old gas lines, are avoided during project construction.<br>(b) Utility Department staff shall review all plan maps.<br>(c) Underground utilities shall be marked in the field prior to all phases of construction. | **SR** | | | |
| **Mitigation Measure 4.13-3 (*Additional Trash*):** See Mitigation Measure 4.12-5. | **SR** | | | |

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