

| ENVIRONMENTAL COMMITMENT RECORD   |                 |                   |                                   | Dist-County-Route:                        | 12-ORA-0                                       |  |
|---|-----------------|-------------------|-----------------------------------|---|--|--|
|   |                 | Originating Date: | 2/7/11                            | EA/E-FIS:                                 | RSTP 5133(039)                                 |  |
|   |                 | Current Date:     | 6/12/12                           | Post Mile (PM)                            | N/A  |  |
|   |                 |                   |                                   | Document Type                             | CE NEPA/SE CEQA                                |  |
| <b>Project Description: State College Boulevard Grade Separation Project (at the BNSF Railroad)</b> |                 |                   |                                   |   |  |  |
|   |                 |                   |                                   | <b>Name and Phone Number</b>              | <b>Signature</b>                               |  |
| <b>Project Phase</b>  |                 |                   | <b>Environmental Generalist :</b> | Charles Baker (949) 724-2252              |  |  |
|   | PSR             |                   |                                   |   |  |  |
|   | PROJECT REPORT  |                   | X                                 | <b>Project Engineer and Phone Number:</b> | Homa Nouri (949) 724-2410                      |  |
|   | 35% PS&E        |                   |                                   |   |  |  |
|   | 65% PS&E        |                   |                                   | <b>Project Manager:</b>                   |  |  |
|   | 95% PS&E        |                   |                                   |   |  |  |
|   | PRECONSTRUCTION |                   | X                                 | <b>Resident Engineer</b>                  | Thuy Nguyen, City of Fullerton, (714) 738-6886 |  |
|   | CONSTRUCTION    |                   |                                   |   |  |  |
| POST CONSTRUCTION   |                 |                   | <b>Consultant Firm/Contact:</b>   |   |  |  |

| ENVIRONMENTAL COMMITMENTS |  |      |                                    |                     |                                |   |          |
|---------------------------|--|------|------------------------------------|---------------------|--------------------------------|---|----------|
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| <b>VISUAL</b>             |  |      |                                    |                     |                                |   |          |
| V-1                       | Hardscape Plan. A plan to implement attractive walls, fencing, sidewalks, and other visually pleasing hardscape will be incorporated into the final design of the project. Special architectural detail and aesthetic treatments will be incorporated into the design of the retaining walls. The architectural detail and aesthetic treatments could include the use of natural-appearing stone or brick, specially- themed mosaics inlayed within the retaining walls, small planting areas incorporated into the walls to allow for vegetation to cascade down the walls of the structures, bridge design utilizing natural colors and aesthetic details, etc. These design features would reduce the potential visual intrusiveness of the bridge structure and retaining walls. Specific architectural detail and aesthetic treatments would be determined during final design. | No   | City of Fullerton<br>City Engineer | During final design |                                | Visual Specialist                         |          |
| V-2                       | Landscape Plan. Prior to completion of final design, the City of Fullerton will incorporate a landscape plan into the final design of the project. The City of Fullerton will preserve existing mature trees where feasible. If removal of mature trees cannot be avoided, landscape improvements will be incorporated into the final design consistent with the Resource Management Element of the General Plan. The landscape plan would effectively buffer sensitive viewers from the visual impacts of the project and would identify all opportunities to use areas within the project limits for revegetation.<br><br>This plan will include landscaping of graded areas with plant species consistent with adjacent vegetation and the screening of all new   | No   | City of Fullerton<br>City Engineer | During final design |                                | Visual Specialist                         |          |

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|                           | project structures (bridge and retaining walls) to the extent feasible. This plan will include performance criteria (i.e., plant coverage/density, plant types) that must be met to ensure that revegetation of affected areas would be consistent with the existing landscaping.  |      |  |                                      |                                |   |          |
| V-3                       | Lighting Plan. The lighting fixtures will be selected to minimize glare on adjacent properties and into the night sky. Lighting will be shielded with nonglare hoods and focused within the project right-of-way.  | No   | City of Fullerton<br>City Engineer                             | During final design                  |                                | Visual Specialist                                 |          |
| <b>AIR QUALITY</b>        |  |      |  |                                      |                                |   |          |
| AQ-1                      | During clearing, grading, earth moving, or excavation operations, excessive fugitive dust emissions shall be controlled by regular watering or other dust preventive measures using the following procedures, as specified in the South Coast Air Quality Management District (SCAQMD) Rule 403. All material excavated or graded shall be sufficiently watered to prevent excessive amounts of dust. Watering shall occur at least twice daily with complete coverage, preferably in the late morning and after work is done for the day. All material transported on site or off site shall be either sufficiently watered or securely covered to prevent excessive amounts of dust. The area disturbed by clearing, grading, earth moving, or excavation operations shall be minimized so as to prevent excessive amounts of dust. These control techniques shall be indicated in project specifications. Compliance with this measure shall be subject to periodic site inspections by the City of Fullerton (City). Visible dust beyond the property line emanating from the project shall be prevented to the maximum extent feasible. | No   | City of Fullerton<br>City Engineer/<br>Construction Contractor | During construction                  |                                | Air Quality Specialist,<br>SCAQMD                 |          |
| AQ-2                      | Project grading plans shall show the duration of construction. Ozone precursor emissions from construction equipment vehicles shall be controlled by maintaining equipment engines in good condition and in proper tune per manufacturer's specifications, to the satisfaction of the City Engineer. Compliance with this measure shall be subject to periodic inspections of construction equipment vehicles by the California Department of Transportation (Caltrans)/City.  | No   | City of Fullerton<br>City Engineer/<br>Construction Contractor | Prior to and during construction     |                                | Air Quality Specialist                            |          |
| AQ-3                      | All trucks that are to haul excavated or graded material on site shall comply with State Vehicle Code Section 23114, with special attention to Sections 23114(b)(F), (e)(2) and (e)(4) as amended, regarding the prevention of such material spilling onto public streets and roads.   | No   | City of Fullerton<br>City Engineer/<br>Construction Contractor | During construction                  |                                | Air Quality Specialist, State Vehicle Code        |          |
| AQ-4                      | The contractor shall adhere to Caltrans Standard Specifications for Construction (Sections 10 and 18 [Dust Control] and Section 39-3.06 [Asphalt Concrete Plant Emissions]).<br><br>Comply with "DUST CONTROL," Section 14-9.02 of the June 2010 Amendment to Caltrans' May 2006 State Standard Specifications   | No   | City of Fullerton<br>City Engineer/<br>Construction Contractor | During construction                  |                                | Air Quality Specialist, SSPs                      |          |
| AQ-5                      | Should the qualified field inspector project geologist determine that asbestos-containing materials (ACMs) are present at the project study area during final inspection prior to construction, the appropriate methods shall be implemented to remove ACMs.   | No   | City of Fullerton<br>City Engineer/<br>Construction Contractor | Prior to Construction                |                                | Air Quality Specialist,<br>Health and Safety Code |          |
| AQ-6                      | Comply with "AIR POLLUTION CONTROL," Section 14-9.01 of the June 2010 Amendment to Caltrans' May 2006 State Standard Specifications  | No   | City of Fullerton<br>City Engineer/<br>Construction Contractor | During final design and construction |                                | SSPS  |          |

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| <b>BIOLOGICAL RESOURCES</b> |   |      |  |                                      |                                |   |          |
| <b>BIO-1</b>                | Construction activities should occur outside the rainy season (October–May) to ensure that erosion caused by construction activities does not occur and that sedimentation is not deposited within the storm drain system and any adjacent drainages. If construction must occur during the rainy season, erosion control and sedimentation control measures specified in the SWPPP and BMPs will be implemented.   | No   | City of Fullerton<br>City Engineer/<br>Construction Contractor | During final design and construction |                                | Biology Specialist, NPDES Permit          |          |
| <b>BIO-2</b>                | To avoid potential effects to nesting raptors and any other nesting migratory birds, and to comply with the MTBA and Fish and Game Code, vegetation clearing should be completed outside of the bird breeding season (February 1–August 31). If vegetation clearing is not conducted outside the bird breeding season, preconstruction surveys will be required to ensure that effects to nesting birds are avoided. If nesting raptors or nesting birds are discovered during the preconstruction survey, avoidance measures will be required. A typical avoidance measure would require no construction within a 500 ft radius of nesting raptors. The buffer will be delineated by roping or otherwise marking the boundaries of construction and will remain in place until the nest is either abandoned or the young have fledged and the nest is no longer active.<br><br>Comply with "Bird Protection," Section 14-6.02 of the June 2010 Amendment to Caltrans' May 2006 State Standard Specifications | No   | City of Fullerton<br>City Engineer/<br>Construction Contractor | During final design and construction |                                | Biologist, MBTA, SSPS                     |          |
| <b>BIO-3</b>                | To avoid potential spread of invasive plant species, inspection and cleaning of construction equipment will be performed to minimize the importation of nonnative plant material, and eradication strategies (i.e., weed abatement programs) will be employed should an invasion occur. Revegetation will consist of plant species native to the vicinity, and the use of species listed on the California Invasive Plant Council's (Cal-IPC) Invasive Plant Inventory with a high or moderate rating will be avoided.<br><br>Comply with Executive Order Number 13112: Invasive Species  | No   | City of Fullerton<br>City Engineer/<br>Construction Contractor | During construction                  |                                | Biologist, Executive Order 13112          |          |
| <b>CULTURAL RESOURCES</b>   |   |      |  |                                      |                                |   |          |
| <b>CR-1</b>                 | If cultural materials are discovered during construction, all earthmoving activity within and around the immediate discovery area will be diverted until a qualified archaeologist can assess the nature and significance of the find.  | No   | City of Fullerton<br>City Engineer/<br>Construction Contractor | During construction                  |                                | Archaeologist, Health and Safety Code     |          |
| <b>CR-2</b>                 | If human remains are discovered, State Health and Safety Code Section 7050.5 states that further disturbances and activities will cease in any area or nearby area suspected to overlie remains, and the County Coroner will be contacted. Pursuant to Public Resources Code (PRC) Section 5097.98, if the remains are thought to be Native American, the Coroner will notify the Native American Heritage Commission (NAHC), which will then notify the Most Likely Descendant (MLD). At this time, the person who discovered the remains will also contact the District 12 Environmental Branch Chief so that they may work with the MLD on the respectful treatment and disposition of the remains. Further provisions of PRC 5097.98 are to   | No   | City of Fullerton<br>City Engineer/<br>Construction Contractor | During construction                  |                                | Health and Safety Code, SSPs              |          |

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|  | <p>be followed as applicable.</p> <p>Comply with "ARCHAEOLOGICAL RESOURCES (Remains of past human activity, including but not limited to historic and prehistoric material such as tools and tool fragments, hearth and food remains, structural remains, and human remains)," Section 14-2.02 of the June 2010 Amendment to Caltrans' May 2006 State Standard Specifications</p>  |      |   |  |                                |   |          |
| <b>GREENHOUSE GAS EMISSIONS</b>        |  |      |   |  |                                |   |          |
| <b>GHG-1</b>                           | Landscaping reduces surface warming, and through photosynthesis, decreases CO <sub>2</sub> . Landscaping would be provided where necessary within the corridor to provide aesthetic treatment, replacement planting, or mitigation planting for the project. The landscape planting would help offset any potential CO <sub>2</sub> emissions increase.  | No   | City of Fullerton<br>City Engineer/<br>Construction Contractor                            | During final design, construction, and maintenance |                                | SSPs  |          |
| <b>GHG-2</b>                           | The project will incorporate the use of energy efficient lighting, such as LED traffic signals, to the extent feasible. LED bulbs — or balls, in the spotlight vernacular — cost \$60 to \$70 apiece but last five to six years, compared to the one-year average lifespan of the incandescent bulbs previously used. The LED balls themselves consume 10 percent of the electricity of traditional lights, which will also help reduce the projects CO <sub>2</sub> emissions.  | No   | City of Fullerton<br>City Engineer/<br>Construction Contractor                            | During final design, construction, and maintenance |                                | SSPs  |          |
| <b>GHG-3</b>                           | According to Caltrans Standard Specification Provisions, idling time for lane closure during construction is restricted to ten minutes in each direction. In addition, the contractor must comply with Title 13, California Code of Regulations §2449(d)(3) was adopted by CARB on June 15, 2008. This regulation restricts idling of construction vehicles to no longer than 5 consecutive minutes. Compliance with this regulation reduces harmful emissions from diesel-powered construction vehicles.  | No   | City of Fullerton<br>City Engineer/<br>Construction Contractor                            | During construction                                |                                | SSPs, Title 13  |          |
| <b>HAZARDS AND HAZARDOUS MATERIALS</b> |  |      |   |  |                                |   |          |
| <b>HAZ-1</b>                           | <p>Based on the results from the Aerially Deposited Lead Survey (ADL) survey and the Site Investigation (SI), concentrations of lead in soil at the site represent a potential threat to the health of site workers, who will be performing earthwork activities. Prior to construction, construction contractors excavating, transporting, or stockpiling soil, an experienced Certified Industrial Hygienist (CIH) will prepare and review a Lead Compliance Plan (LCP) in accordance with the California Department of Transportation (Department) Code of Safety Practices, the California Code of Regulations, and California Division of Occupational Safety and Health (Cal-OSHA) standards. The LCP will include a hazard analysis, dust control measures, air monitoring, signage, work practices, emergency response plans, personal protective equipment, decontamination, and documentation. The Lead Compliance Plan LCP will address the presence of aerially deposited lead (ADL) in the soils within the project area.</p> <p>SSP # 15-027, Earth Material Containing Lead Requires a Lead Compliance Plan for Soil Disturbance when Lead Concentrations are Non-Hazardous</p> | No   | City of Fullerton<br>City of Fullerton<br>Certified Industrial Hygienist<br>City Engineer | During final design                                |                                | Geologist, Certified Industrial Hygienist, Health and Safety Code, SSPs |          |
| <b>HAZ-2</b>                           | Aerially deposited lead (ADL) may be present in the soil as a result of  | No   | City of Fullerton   | During Prior to                                    |                                | Health and  |          |

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|       | <p>historical vehicle emissions during the era of leaded gasoline. Based on statistical analysis of lead results, soil in the surface layer (surface to 0.5 feet bgs) in the unpaved portions of the site may be classified as California hazardous waste and should be segregated and disposed at a Class 1 disposal site in accordance with Title 22 CCR requirements. These areas, assuming a six-foot wide landscape area, are in the vicinity of borings PP2 (i.e., approximately 200 feet north and south of boring PP2 with an estimated volume of approximately 45 cubic yards), PP7 (i.e., approximately 150 feet north and south of boring PP7 with an estimated volume of approximately 33 cubic yards), PP8 (i.e., approximately 150 feet north and south of boring PP8 with an estimated volume of approximately 33 cubic cards), and PP14 (i.e., approximately 150 feet north and south of boring PP14 and within the temporary construction easement with an estimated volume of approximately 33 cubic yards). An ADL survey and a wereill be conducted in areas of exposed soil which will be disturbed during construction within 10 feet of State College Boulevard, Valencia Drive, and the BNSF railroad. Detectable concentrations were reported in the samples. Therefore, prior to construction, ADL borings will be located along the shoulders and medians where earth will be disturbed at approximately 300 foot intervals. The borings will be advanced up to 5 feet below ground surface (bgs) or the maximum anticipated construction depth, whichever is shallower. Aanalytical data from the ADL survey and the SI shall be provided to contractors performing subsurface work, including geotechnical investigations, utility installations, or other construction, to develop an applicable health and safety program.</p> <p>SSP # 19-900, Material Containing Hazardous Waste Concentrations of Aerially Deposited Lead; AND SSP # S5-740, ADL legal and regulatory notification to the contractor.</p> |      | City Engineer<br>Construction Contractors                     | final design and during construction |                                | Safety Code, SSPs                         |          |
| HAZ-3 | <p>Groundwater is not expected to be encountered during construction as the estimated maximum excavation depth is 47 feet bgs and the expected depth to groundwater is over 100 feet bgs. However, if construction plans change and groundwater is expected to be encountered, groundwater samples will be collected and analyzed for volatile organic com-pounds (VOCs) and other constituents needed to apply for a construction dewatering discharge permit.</p>  | No   | City of Fullerton<br>City Engineer                            | During final design                  |                                | Geologist, NPDES permit                   |          |
| HAZ-4 | <p>During construction of the railroad shoofly parallel to Valencia Drive and crossing over State College Boulevard, soil will be excavated along the length of the shoofly. In addition, the parcel at APN 338-071-13 (500 State College Boulevard) has an abandoned rail spur within the construction easement. Soil will likely be disturbed in this area. Based on chemicals typically used along railroad tracks there is a likelihood that residual chemicals may be present in the soil. For waste characterization purposes the soil will bewas sampled and analyzed to evaluate for the presence of chlorinated herbicides, metals, polycyclic aromatic hydrocarbons (PAHs), total petroleum hydrocarbons (TPHs), and polychlorinated biphenyls (PCBs). Detectable concentrations of polycyclic aromatic hydrocarbons (PAHs), PAHs, total petroleum</p>   | No   | City of Fullerton<br>City Engineer<br>Construction Contractor | During final design and construction |                                | Geologist                                 |          |

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|              | <p>hydrocarbons (TPHs), and polychlorinated biphenyls (PCBs) TPHs and PCBs were reported in several samples. Although levels of the concentrations of these contaminations were not reported to be considered hazardous, the contractor, who will be performing the earthmoving activities along the BNSF ROW portions of the project area should follow the construction specifications and specific procedures document describe steps (such as dust control, excavation safety, personal protective equipment, etc.) to reduce hazards issues related to soil impact at the site. Soil samples will be collected at approximate 100 foot horizontal intervals and at one foot vertical intervals to a depth of approximately 5 feet bgs. Surface samples will be analyzed for these target analytes. Deeper samples may be analyzed if significant concentrations of target analytes are detected.</p>   |      |   |  |                                |   |          |
| <b>HAZ-5</b> | <p>A Subsurface investigations will be conducted at Assessor's Parcel Number (APN) 338-071-10 (Alcoa Fastening Systems [AFS] property at 800 South State College Boulevard) which had VOCs in soil. Soil matrix samples will be collected and analyzed for VOCs adjacent to and near the northwest corner of this property by EPA Methods 8260B and 6010B. Soil samples will be collected to a depth of 30 feet or the maximum expected construction depth, whichever is shallower. at the surface and at 5-foot intervals to the total depth explored. Soil vapor samples will be evaluated using a photo-ionization detector (PID) to assess potential exposure of construction personnel to VOC soil vapors (if any) during installation of the planned sewer. Detectable concentrations of VOCs were not reported in the samples analyzed with the exception of tetrachloroethene, which was detected in 11 of the 48 soil samples analyzed at concentrations ranging from 5.4 to 33µg/kg. The concentrations of tetrachloroethene do not exceed the Regional Screening Level (RSL) for industrial soil. No additional investigation is required.</p> | No   | City of Fullerton<br>City Engineer                            | During final design                                  |                                | Geologist                                 |          |
| <b>HAZ-6</b> | <p>A Subsurface investigation will be conducted at APN 338-051-19 (formerly Gulton Industries, 2424 East Fender Avenue) which had VOCs and lead in soil. Four direct-push borings will be advanced and sampled adjacent to the western side of the property along South State College Boulevard. Soil matrix samples were collected and analyzed for VOCs adjacent to and near the northwest corner of this property by EPA Methods 8260B and 6010B. Soil samples were collected at the surface and at 5-foot intervals to the total depth explored. Detectable concentrations of VOCs were not reported in the samples analyzed with the exception of tetrachloroethene, which was detected in 11 of the 48 soil samples analyzed at concentrations ranging from 5.4 to 33µg/kg. The concentrations of tetrachloroethene do not exceed the RSL for industrial soil. No additional investigation is required.</p>   | No   | City of Fullerton<br>City Engineer                            | During final design and construction                 |                                | Geologist                                 |          |
| <b>HAZ-7</b> | <p>A work plan and site-specific health and safety plan detailing sampling locations and laboratory analysis will be prepared and submitted for properties where subsurface investigation will be conducted. All site workers (e.g., conducting earthwork) should complete a training</p>   | No   | City of Fullerton<br>City Engineer<br>Construction Contractor | During final design Prior to and during construction |                                | Geologist<br>Site Workers,<br>CFRs, CCRs  |          |

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|               | program meeting the requirements of 29 CFR 1910.120 and 8 CCR 1532.1 also known as the "Occupational Safety and Health Administration 40-Hour HAZWOPER" training. This training includes an initial 40-hour instruction on hazards recognition, three days of supervised site work, and an 8-hour annual refresher course. All site works should complete a training program meeting the requirements of 29 CFR 1910.20 and 8 CCR 1532.1 training.   |      |  |                                      |                                |   |          |
| <b>HAZ-8</b>  | SSP # 15- 301, Remove Traffic Stripe and Pavement Markings (Non - Hazardous) OR<br><br>SSP # 14-001 Remove Yellow Traffic Stripe and Pavement Marking (Hazardous Waste).   | No   | City of Fullerton<br>City Engineer                             | During final design and construction |                                | SSPs<br>CCRs                              |          |
| <b>HAZ-9</b>  | SSP # 14-010 Treated Wood - Management of Treated Wood Waste.  | No   | City of Fullerton<br>City Engineer                             | During final design and construction |                                | SSPs                                      |          |
| <b>HAZ-10</b> | Comply with "ASBESTOS AND HAZARDOUS SUBSTANCES," Section 11.02 of the June 2010 Amendment to Caltrans' May 2006 State Standard Specifications  | No   | City of Fullerton<br>City Engineer                             | During final design and construction |                                | SSPs                                      |          |
| <b>HAZ-11</b> | SSP # 15-305, Residue Containing High Lead Concentration Paints - Submit- Submit a lead compliance plan under Section 7-1.07, "Lead Compliance Plan," of the Standard Specifications.  | No   | City of Fullerton<br>City Engineer                             | During final design and construction |                                | SSPs                                      |          |
|               | <b>WATER QUALITY</b>   |      |  |                                      |                                |   |          |
| <b>WQ-1</b>   | The City of Fullerton shall comply with the provisions of the National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-0009-DWQ, NPDES No. CAS000002), and any subsequent permit as they relate to construction activities for the project. This shall include submission of the Permit Registration Documents, including a risk assessment, site map, and Storm Water Pollution Prevention Plan (SWPPP). The SWPPP shall meet the requirements of the Construction General Permit and shall identify potential pollutant sources associated with construction activities; identify non-storm water discharges; develop a water quality monitoring and sampling plan; and identify, implement, and maintain Best Management Practices (BMPs) to reduce or eliminate pollutants associated with the construction site. The BMPs identified in the SWPPP shall be implemented during project construction. The SWPPP and a Notice of Termination (NOT) shall be submitted to the City upon completion of construction and stabilization of the site.<br><br>SSP #07-345, Water Pollution Control, Storm Water Pollution Prevention | No   | City of Fullerton<br>City Engineer/<br>Construction Contractor | During final design and construction |                                | NPDES Permit                              |          |
| <b>WQ-2</b>   | The City of Fullerton shall comply with the provisions of the Waste Discharge Requirements for the County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County Within the Santa Ana Region Areawide Urban Storm Water Runoff, Orange County (Order No. R8-2009-0030, NPDES No. CAS618030) and the General Waste Discharge Requirements for Discharges to Surface Waters that Pose an Insignificant (De Minimus) Threat to   | No   | City of Fullerton<br>City Engineer/<br>Construction Contractor | Prior to and during construction     |                                | NPDES Permit                              |          |

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|                           | Water Quality (Order No. R8-2009-0003, NPDES No. CAG998001) as they relate to discharge of non-storm water dewatering wastes for the project. This shall include notification of discharge at least 5 days prior to any planned discharges, and monitoring reports by the 30th day of each month following the monitoring period.  |      |  |                               |                                |   |          |
| <b>WQ-3</b>               | During plans, specifications, and estimates (PS&E), the Design Engineer shall prepare a Water Quality Management Plan (WQMP) that details the Source Control, Site Design, and Treatment Control BMPs to be incorporated into the proposed project. The BMPs shall be consistent with the Orange County Drainage Area Master Plan (DAMP) and City of Fullerton Local Implementation Plan (LIP) and shall be properly designed and maintained to target pollutants of concern. These Source Control, Site Design, and Treatment Control BMPs shall include, but not be limited to, biofiltration swales, landscaped parkway, and landscaped median. In addition, the United States Environmental Protection Agency (EPA) guidance, "Managing Wet Weather with Green Infrastructure: Green Streets," shall be incorporated to the maximum extent possible into the proposed project. | No   | City of Fullerton<br>City Engineer/<br>Construction Contractor | During final design           |                                | NPDES Permit                              |          |
| <b>WQ-4</b>               | SSP # 07-346, Construction Site Management   | No   | City of Fullerton<br>City Engineer/<br>Construction Contractor | Final design and construction |                                | NPDES Permit                              |          |
|                           | <b>NOISE</b>   |      |  |                               |                                |   |          |
| <b>N-1</b>                | To minimize construction noise impacts on sensitive land uses adjacent to the project site, construction noise is regulated by the Department's Standard Specifications in Section 14-8.02, "Noise Control," and also by Standard Special Provision S5 310, "Noise Control." Noise control shall conform to the provisions in Section 14-8.02 and Standard Special Provision S5-310: the noise level from the Contractor's operations, between the hours of 9:00 p.m. and 6:00 a.m., shall not exceed 86 dBA at a distance of 50 ft.   | No   | City of Fullerton<br>City Engineer/<br>Construction Contractor | During construction           |                                | SSPs                                      |          |
| <b>N-2</b>                | Due to a lack of specific noise restrictions for nighttime construction in the City of Fullerton Municipal Code Chapter 15.90, Noise Standards and Regulations, the City has recommended that its general noise standards apply. Thus, noise levels from the Contractor's operations must not generate noise louder than 55 dBA L50, 60 dBA L25, 65 dBA L8, 70 dBA L2, and 75 dBA Lmax between 8:00 p.m. and 10:00 p.m. and 50 dBA L50, 55 dBA L25, 60 dBA L8, 65 dBA L2, and 70 dBA Lmax between 10:00 p.m. and 7:00 a.m. measured at the residential area and sensitive use areas regardless of zone.  | No   | City of Fullerton<br>City Engineer/<br>Construction Contractor | During construction           |                                | Municipal Code                            |          |
| <b>N-3</b>                | The Contractor will use an alternative warning method instead of a sound signal unless required by safety laws.  | No   | City of Fullerton<br>City Engineer/<br>Construction Contractor | During construction           |                                | Noise Specialist                          |          |
| <b>N-4</b>                | The Contractor will equip all internal combustion engines with the manufacturer-recommended muffler and will not operate any internal combustion engine on the job site without the appropriate muffler.   | No   | City of Fullerton<br>City Engineer/<br>Construction Contractor | During construction           |                                | Noise Specialist                          |          |
| <b>N-5</b>                | All construction equipment, fixed or mobile, will be equipped with   | No   | City of Fullerton  | During                        |                                | Noise Specialist                          |          |



**ENVIRONMENTAL COMMITMENTS**

| No.                               | Task and Brief Description   | NSSP | Responsible Party/ Monitor                               | Timing/ Phase                        | Task Completed (Sign and Date) | Commitment Source (ED/Permit/ Specialist)     | Comments |
|-----------------------------------|--|------|--|--------------------------------------|--------------------------------|---|----------|
|                                   | properly operating and maintained mufflers consistent with manufacturers' standards during all project site excavation and grading on site.  |      | City Engineer/ Construction Contractor                   | construction                         |                                |   |          |
| <b>N-6</b>                        | All stationary construction equipment will be placed so that emitted noise is directed away from noise-sensitive locations and the residential areas.  | No   | City of Fullerton City Engineer/ Construction Contractor | During construction                  |                                | Noise Specialist                              |          |
| <b>COMMUNITY IMPACTS</b>          |  |      |  |                                      |                                |   |          |
| <b>CI-1</b>                       | Community Outreach. During final design, a community outreach program will be developed to inform the community about project construction activities. This will include construction update and project milestone postings on the City's website. The program will seek to actively and effectively engage the affected community and will include mechanisms to reduce cultural, language, and economic barriers to participation. Alternate formats will be available upon request in accordance with the Americans with Disabilities Act (ADA) requirements.   | No   | City of Fullerton City Engineer/                         | During final design and construction |                                | Community Impact Specialist                   |          |
| <b>CI-2</b>                       | Private Property Access. During final design, the City will prepare an agreement for the property owners of APNs 269-151-08 and 269-151-07 to approve that will allow access for both parcels via the new driveway on Walnut Avenue.   | No   | City of Fullerton City Engineer/                         | During final design                  |                                | Community Impact Specialist                   |          |
| <b>RELOCATIONS</b>                |  |      |  |                                      |                                |   |          |
| <b>R-1</b>                        | Any person (individual, family, corporation, partnership or association) who moves from real property or moves personal property from real property as a result of the acquisition of the real property, or who is required to relocate from the real property as a result of a written notice from the City of Fullerton, is eligible for Relocation Assistance. All activities will be conducted in accordance with the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended. Relocation resources shall be compliant with Title VI requirements.  | Yes  | City of Fullerton City Engineer/ Construction Contractor | During final design and construction |                                | Right-of-Way Specialist                       |          |
| <b>TRANSPORTATION AND TRAFFIC</b> |  |      |  |                                      |                                |   |          |
| <b>TR-1</b>                       | During final design, a detailed TMP will be developed for implementation during project construction. The TMP will be a specialized program tailored to accommodate major traffic movements during construction and to mitigate construction impacts by applying a variety of traffic management techniques. These techniques are anticipated to include, but not be limited to, traffic controls, traffic diversions to alternate routes, transportation demand management, public awareness measures (including signing, mailers, brochures, newspaper articles, the Internet), and a Construction Zone Enhanced Enforcement Program (COZEEP). The objective of the TMP is to maintain the safe movement of vehicles through the construction zone as well as the highest level of traffic circulation and access during the project construction period. The detailed construction traffic control staging, detour, and signing plans for the project will be developed as part of the plans, specifications, and estimates (PS&E) phase. As part of the TMP, coordination with OCTA regarding the detour for Bus Route 57 will be conducted. The TMP will identify appropriate detours for buses, vehicles, and bicycles, as well as access to businesses in | Yes  | City of Fullerton City Engineer/ Construction Contractor | During final design and construction |                                | Traffic Engineer, Community Impact Specialist |          |

**ENVIRONMENTAL COMMITMENTS**

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|------|--|------|-------------------------------------|-----------------------|--------------------------------|---|----------|
|      | <p>the project area. The TMP will also identify access routes for pedestrians/wheelchairs consistent with ADA requirements.</p> <p>On Acacia Avenue, where the striped bicycle lane will be removed during the construction period, the outside travel lane (which will be 20 ft in width) will be posted with "share the road with bicycles" signs or painted with sharrows (shared bicycle/vehicle lanes). Acacia Avenue will be returned to its existing configuration (two travel lanes and a Class II bicycle lane) after the project is completed.</p> <p>The TMP will consider and accommodate other nearby roadway projects, such as the Raymond Avenue Grade Separation project, which may potentially increase traffic congestion on the detour routes for the State College Boulevard Grade Separation Project.</p>   |      |                                     |                       |                                |   |          |
| TR-2 | <p>State College Boulevard/Commonwealth Avenue (a.m. Peak Hour). A signal timing change is proposed to improve the traffic operation at the intersection during the construction of the State College Boulevard grade separation. The green time allocation for the phases within each cycle length was changed depending on the demand (volume in this case) for each phase. Certain turn movements at the impacted locations had decreased volume while some had increased volume during the construction phase. The green time allocation was increased for turning movements with increased volume while it was decreased for turning movements that had decreased volume during the construction phase. Attention should be given to the comparison between the "split time" and "effective green" times between the two scenarios (without modifications and with modifications). It should be noted that these signal modifications are temporary (during construction) and may be modified back to existing (coordinated and/or optimized) conditions after the construction is completed. The LOS is forecast to improve from LOS F to LOS C in the a.m. peak hour with implementation of the proposed modifications.</p> | No   | City of Fullerton<br>City Engineer/ | Prior to construction |                                | Traffic Engineer                          |          |
| TR-3 | <p>State College Boulevard/Orangethorpe Avenue (a.m. and p.m. Peak Hours). A signal timing change is proposed to improve the traffic operation at the intersection during the construction of the State College Boulevard grade separation. The green time allocation for the phases within each cycle length was changed depending on the demand (volume in this case) for each phase. Certain turn movements at the impacted locations had decreased volume while some had increased volume during the construction phase. The green time allocation was increased for turning movements with increased volume while it was decreased for turning movements that had decreased volume during the construction phase. Attention should be given to the comparison between the "split time" and "effective green" times between the two scenarios (without modifications and with modifications). With implementation of the proposed modifications, the LOS is forecast to improve from LOS F to LOS D in the a.m. peak hour and from LOS F to LOS C in the p.m. peak hour.</p>   | No   | City of Fullerton<br>City Engineer/ | Prior to construction |                                | Traffic Engineer                          |          |
| TR-4 | <p>Placentia Avenue/Chapman Avenue (p.m. Peak Hour). The signal will be modified by increasing the signal timing from a 100-second cycle</p>   | No   | City of Fullerton<br>City Engineer/ | Prior to construction |                                | Traffic Engineer                          |          |

**ENVIRONMENTAL COMMITMENTS**

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|------------------------|--|------|-------------------------------------|--------------------------------------|--------------------------------|---|----------|
|                        | length to 120 seconds. Also, the signal was changed from a protected to split phase in the north-south direction. The LOS is forecast to improve from LOS F to LOS D in the p.m. peak hour. It should be noted that the intersection is located very close to the northbound and southbound SR 57 ramp intersections and the City should evaluate other intersections along Chapman Avenue during the actual construction period before implementing this recommendation.                    |      |                                     |                                      |                                |   |          |
| <b>TR-5</b>            | Acacia Avenue/Kimberly Avenue (a.m. and p.m. Peak Hours). Improvements for this intersection involve changing the two-way stop control at this intersection to a four-way stop control. With implementation of the proposed modifications, the LOS is forecast to improve from LOS F to LOS C in the a.m. peak hour and from LOS E to LOS C in the p.m. peak hour.   | No   | City of Fullerton<br>City Engineer/ | Prior to construction                |                                | Traffic Engineer                          |          |
| <b>TR-6</b>            | Due to the closure of State College Boulevard during construction of the grade separation, the traffic pattern for two schools in the region (Commonwealth Elementary and Ladera Vista Junior High) may also be affected. The City will monitor traffic during the school peak hours and make necessary timing adjustments to signalized intersections along Commonwealth Avenue to reduce congestion and alleviate the effects of the closure of State College Boulevard on school traffic. | No   | City of Fullerton<br>City Engineer/ | During construction                  |                                | Traffic Engineer                          |          |
| <b>TR-7</b>            | A traffic signal is warranted at the intersections of State College Boulevard/Fender Avenue and State College Boulevard/Valencia Drive. A traffic signal is not warranted at the intersection of State College Boulevard/Walnut Avenue based on the peak-hour traffic volume warrant for Future Year (2014) Plus Project conditions as well as General Plan Build-out (2035) Plus Project conditions.  | No   | City of Fullerton<br>City Engineer/ | During construction                  |                                | Traffic Engineer                          |          |
| <b>TR-8</b>            | For safety reasons, even though a traffic signal is not warranted at the intersection of State College Boulevard/Walnut Avenue, this intersection will be signalized in the future.  | No   | City of Fullerton<br>City Engineer/ | During construction                  |                                | Traffic Engineer                          |          |
| <b>TR-9</b>            | The City will ensure that there are shared access agreements for local businesses to maintain accessibility during construction.   | No   | City of Fullerton<br>City Engineer/ | During final design and construction |                                | Traffic Engineer                          |          |
| <b>PUBLIC SERVICES</b> |  |      |                                     |                                      |                                |   |          |
| <b>PS-1</b>            | Comply with "SOLID WASTE DISPOSAL AND RECYCLING (Reporting requirements)," Section 14-10.01 of the June 2010 Amendment to Caltrans' May 2006 State Standard Specifications.  | No   | City of Fullerton<br>City Engineer/ | During final design and construction |                                | SSPs                                      |          |

**PERMITS**

| Agency                               | Issue Date | Type                                 | Expiration Date | Comments |
|--------------------------------------|------------|--------------------------------------|-----------------|----------|
| Regional Water Quality Control Board |            | NPDES Permit (Construction Activity) |                 |          |