RFP for Construction Management Services for the Raymond Grade Separation

Below are questions that were submitted to the Engineering Department by 2 p.m., March 4, 2013 (question submittal deadline).

Question #1:

On page 12 item 20 of the RFP the scope says "20. Environmental Mitigation and Monitoring. Monitor the contractor's operations and endeavor to assure the contractor's compliance with the mitigation measures identified within the environmental approval document. The Consultant shall observe and assist with the policing and enforcement of the environmental mitigation and monitoring program measures in accordance with the established requirements, and shall report promptly any deficiencies to the contractor and appropriate parties."

I did not see the environmental document listed on the website that identifies the environmental mitigation. Where can I find that document?

Answer:

Please refer to the "Environmental Conditions" included hereon.

Question #2:

Does this project have any set-aside percentage requirements for utilizing minority, or woman owned, or disadvantaged business participation goals.

Answer:

There are no set-aside percentage requirements/DBE goals for the Raymond Avenue Grade Separation project.

Question #3:

The RFP Exhibit D, Agreement, Page 7 of 12, Item 5, states that "in lieu of providing a Railroad Protective Liability Policy, Licensee may participate in Licensor's Blanket Railroad Protective Liability Insurance policy available to CONSULTANT." Would you be able to provide details about the Blanket Railroad Protective Liability Insurance policy – the policy language and the process for securing the policy?

Answer:

Please contact BNSF for information regarding their Blanket Railroad Protective Liability Insurance policy. Please refer to RFP Exhibit D, Draft Agreement, Article XVIII, Section E "Verification of Coverage" for BNSF contact information.

Question #4:

Section III "Proposal Content" subsection A. states "Proposals should not exceed 50 pages in length, excluding any appendices." If we choose to use tabs to separate the sections of the proposal will these tabs be counted toward the 50 page limit allowed in the proposal? Do the front and back covers count toward the 50 page limit allowed in the proposal?

Answer:

Tabs and front and back will not be included in the 50 page limit.

Question #5:

Section VIII "Forms" indicates that Form 2 "Non-Discrimination Clause" shall be submitted within the appendices section of the proposal. Does Form 2 need to be signed and dated by the consultant?

Answer:

Form 2 does not have to be included in the Proposal. Form 2 shall be included in the Construction Management Services Consultant Agreement.

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Raymond Avenue Grade Separation Project

Task and Brief Description	Ref.	Responsible Branch/Staff	Timing / Phase	Action Taken to Comply with Task	Task Com	pleted	Remarks
AIR QUALITY		Dianemotali			Initial	Date	
During clearing, grading, earth moving, or excavation operations, excessive fugitive dust emissions will 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 will be sufficiently watered to prevent excessive amounts of dust. Watering will 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 will be either sufficiently watered or securely covered to prevent excessive amounts of dust. The area disturbed by clearing, grading, earth moving, or excavation operations will be minimized so as to prevent excessive amounts of dust. These control techniques will be indicated in project specifications. Compliance with this measure will be subject to periodic site inspections by the City of Fullerton. Visible dust beyond the property line emanating from the project will be prevented to the maximum extent feasible.	South Coast Air Quality Management District (SCAQMD) Rule 403	City of Fullerton City Engineer/ Construction Contractor	During construction				
Project grading plans will show the duration of construction. Ozone precursor emissions from construction equipment vehicles will be controlled by maintaining equipment engines in good condition and in proper tune per manufacturer's specifications to the satisfaction of the City of Fullerton (City) Engineer. Compliance with this measure will be subject to periodic inspections of construction equipment vehicles by the City.	Air Quality Assessment Report (March 2011)	City of Fullerton City Engineer/ Construction Contractor	Prior to and during construction	į			
All trucks that are to hauf excavated or graded material on site will 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.	State Vehicle Code Section 23114	City of Fullerton City Engineer/ Construction Contractor	During construction				
Should the project geologist determine that asbestos-containing materials (ACMs) are present at the project study area during final inspection prior to construction, the appropriate methods will be implemented to remove ACMs.	Air Quality Assessment Report (March 2011)	City of Fullerton City Engineer/ Construction Contractor	Prior to construction/ During construction				
BIOLOGY	<u></u>						
Prior to initiation of construction, a Nationwide Permit will be obtained through the							
Act, if necessary.	Section 404 of Clean Water Act (CWA)	City of Fullerton	Prior to construction				
Prior to initiation of construction, a Streambed Alteration Agreement with the California Department of Fish and Game will be obtained, if necessary.	Streambed Alteration Agreement	City of Fullerton	Prior to construction				
Prior to the initiation of construction, authorization from the Santa Ana Regional Water Quality Control Board pursuant to Section 401 of the Clean Water Act and the Porter-Cologne Water Quality Act will be obtained, if necessary.	Santa Ana Regional Water Quality Control Board (SARWQCB) Section 401 of the SWA	City of Fullerton	Prior to construction		<u>.</u>		
Silt fence barriers will be Installed at the drainage boundaries to prevent accidental deposition of fill material in waters of the United States adjacent to planned grading activities.	Natural Environment Study (Minimal Impacts) (May 2011)	City of Fullerton City Engineer/ Construction Contractor	Prior to and during construction				
All equipment maintenance, staging, and dispensing of fuel, oil, or any other such activities will occur in developed or nonsensitive upland habitat areas. These areas will be located in such a manner as to prevent any spill runoff from entering waters of the United States.	Natural Environment Study (Minimal Impacts) (May 2011)	Construction Contractor	During construction				
To avoid effects to nesting birds, any tree removal or trimming activities will occur outside of the nesting bird season (i.e., February 15-August 31). In the event that	Migratory Bird Treaty Act	Construction Contractor Qualified Biologist	During final design and construction			-	

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Task and Brief Description	Ref.	Responsible Branch/Staff	Timing / Phase	Action Taken to Comply with Task	Task Com	pleted	Remarks		
vegetation clearing is necessary during the nesting season, a qualified blologist will conduct a preconstruction survey to identify the locations of nests. A City Biologist must concur with findings of bird presence/absence prior to the start of construction. Should nesting birds be found, an exclusionary buffer will be established by the biologist. This buffer should be clearly marked in the field by construction personnel under the guidance of the biologist, and construction or clearing will not be conducted within this zone until the biologist determines that the young have fledged or the nest is no longer active.	(MBTA)	Bidiiciyotaii			Init <u>i</u> al	Date			
COMMUNITY IMPACTS									
During final design, a community outreach program will be developed to inform the community about project construction activities as well as the changes to access, including the new Valencia Drive Connector and Trustow Avenue Connector. This will include construction update and project milestone postings on the City of Fullerton's (City) 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.	Community Impact Assessment (January 2011)	City of Fullerton City Engineer	During final design						
During final design, the City of Fullerton (City) will prepare an agreement for the property owners of Assessor Parcel Numbers (APNs) 033-221-10 and 033-221-11 to approve, which will allow access for both parcels via the new driveway on Walnut Avenue.	Community Impact Assessment (January 2011)	City of Fullerton City Engineer	During final design	-					
CULTURAL RESOURCES		<u> </u>					<u> </u>		
The City of Fullerton will comply with State regulations with respect to the discovery of human remains during construction activities. 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 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). The MLD shall complete the inspection within 48 hours of notification by the NAHC. The MLD may recommend scientific removal and nondestructive analysis of human remains and items associated with Native American buriats. Further provisions of PRC 5097.98 are to be followed as applicable.	State Health and Safety Code (SHSC) Section 7050.5 Public Resources Code (PRC) Section 5097,98	City of Fullerton City Engineer/ Construction Contractor	During construction						
GEOLOGY/SOILS/SEISMIC/TOPOGRAPHY			<u> </u>						
During the Plans, Specifications, and Estimates (PS&E) phase, a detailed geotechnical investigation will be conducted by qualified geotechnical personnel to assess the geotechnical conditions at the project area. The investigation will include site-specific geotechnical evaluations to evaluate the site-specific potential for ground shaking hazard, liquefaction, settlement, and corrosion, as recommended in the Preliminary Geotechnical Evaluation (August 2011). The project-specific findings and recommendations of the geotechnical investigation will be summarized in a Geotechnical Design Report to be submitted to the City of Fullerton (City) for review and approval. Those findings and recommendations will be incorporated in the final design of the Build Alternative.	Preliminary Geotechnical Evaluation (August 2011)	City of Fullerton City Engineer/ Qualified Geotechnical Personnel	During final design						
During excavations adjacent to existing buildings, roadways, or other improvements, the qualified geotechnical personnel will monitor ground movement. If ground movement is detected above acceptable levels, typically 0.5-inch or tess in nonbuilding areas and 0.25-inch for building areas, construction activities will cease immediately. The qualified geotechnical personnel will review the contractor's methods and incorporate changes as appropriate to reduce the potential for ground movement. The contractor will implement the alternative methods recommended by the qualified geotechnical personnel when resuming construction.	Preliminary Geotechnical Evaluation (August 2011)	City of Fullerton City Engineer/ Construction Contractor/ Qualified Geotechnical Personnel	During construction						

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Task and Brief Description	Ref.	Responsible Branch/Staff	Timing / Phase	Action Taken to Comply with Task	Task Complete	ted	Remarks
IAZARDS AND HAZARDOUS MATERIALS		Di all'oll'atait	<u> </u>		Initial	Date	
All site workers (e.g., conducting earthwork) should complete a training program meeting the requirements of 29 Code of Federal Regulations (CFR) 1910.120 and 8 California Code of Regulations (CCR) 1532.1.	29 Code of Federal Regulations (CFR) 1910.120 and 8 California Code of Regulations (CCR) 1532.1	City of Fullerton Site Workers	Prior to construction				<u>.</u>
Analytical data from the Aerially Deposited Lead (ADL) survey and Site Investigation SI) should be provided to contractors performing subsurface work, including setsechnical investigations, utility installations, or other construction, to develop an applicable health and safety program.	Aerially Deposited Lead (ADL) Survey and Site Investigation (SI) (May 2012)	City of Fullerton Construction Contractor	Prior to construction				
decause of the potential hazard from exposure to lead-contaminated soil, a lead Site- specific Health and Safety Plan (HSP) should be prepared by a Certified Industrial Hygienist (CIH). In addition, all site workers (earthwork) should have completed a raining program meeting the requirements of 29 CFR 1910.120 and 8 CCR 1532.1. The plan developed by the CIH should include a hazard enalysis, dust control measures, air monitoring, signage, work practices, emergency response plans, personal protective equipment, decontamination, and documentation. South Raymond Avenue and East Walnut Avenue	ADL Survey and SI (May 2012)	City of Fullerton Construction Contractor CIH Site Workers	Prior to construction				
ased on the findings of the ADL study conducted along the South Raymond Avenue ar oncentrations of lead in soil at the site represent a potential threat to the health of	<u>id East Wal</u> nut Av	enue portion of the site the f	ollowing recommendati	ons are provided:			
ittle workers performing earthwork activities. A lead compliance plan should be prepared by a CIH which includes a hazard analysis, dust control measures, air nonitoring, signage, work practices, emergency response plans, personal protective squipment, decontamination, and documentation. A site-specific health and safety plan should also be prepared by the contractor performing earthmoving activities and eviewed by a CIH.	ADL Survey and SI (May 2012)	City of Fullerton Certified Industrial Hygienist (CIH) Construction Contractor Site workers	Prior to construction and during construction				
Portions of the soil in this part of the site will be characterized as non-RCRA azzardous waste once disturbed. The following describes the characterization of the NDL impacted soil and provides disposal and reuse options. For off-site disposal of soil within city ROW along South Raymond Avenue and East Walnut Avenue, as well as private properties at 350 and 500 South Raymond Avenue, recommendations are summarized on block diagrams in Appendix H of the ADL and SI and discussed below. The following restrictions should apply:	ADL Survey and SI (May 2012)	City of Fullerton Construction Contractor	During construction				
Scenario A: The soil in the surface layer (approximately 533 cubic yards (CYI) is classified as hazardous and should be disposed at a Class 1 disposal site in accordance with Title 22 CCR requirements. The remaining soil from the 1.5 to 4-foot layers combined is classified as non-hazardous and may be reused on site or disposed off-site with no restrictions based on total and soluble lead. Scenario B: Soil in the surface and 1.5 foot layer combined (approximately 1,600 CY) is classified as hazardous and should be disposed at a Class 1 disposal site in accordance with Title 22 CCR requirements. The remaining soil from the 3-foot, and 4-foot layers combined is classified as non-hazardous and may be reused on site or disposed off-site with no restrictions based on total and soluble lead.							
o Scenario C. Soil in the surface to 3-foot layer combined (approximately 3,200 CY) is classified as hazardous and should be disposed at a Class 1 disposal site in accordance with Title 22 CCR requirements. The remaining soil from the 4-foot layer is classified as non-hazardous and may be reused on site or							

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Raymond Avenue Grade Separation Project Responsible Task and Brief Description Ref. Task Completed Remarks Timing / Phase Action Taken to Comply with Task Branch/Staff initial Date disposed off-site with no restrictions based on total and soluble Scenarlo D: Soil in the layers combined is classified as nonhazardous and may be reused on site or disposed off-site with no restrictions based on total and soluble lead. Portions of the soil in this part of the site contain elevated arsenic. Although the ADL Survey City of Fullerton During construction arsenic concentrations will not drive the soil to be characterized as a hazardous and SI Construction Contractor waste, if the soil is to be transported off-site it should be managed in accordance with (May 2012) the soil management plan to be included in the construction specifications, and the recipients of the material should be provided the analytical data. BNSF Railroad ROW and East Valencia Drive Based on the findings of the ADL study and SI conducted along the BNSF Railroad ROW and East Valencia Drive portion of the site the following recommendations are provided: Based on the findings of the ADL study and SI conducted along the BNSF Railroad ADL Survey City of Fullerton During construction ROW and East Valencia Drive portion of the site the following recommendations are and SI Construction Contractor provided: (May 2012) Concentrations of lead and arsenic in soil at the site represent a potential threat to the health of site workers performing earthwork activities. A lead compliance plan should be prepared by a CIH which includes a hazard analysis, dust control measures, air monitoring, signage, work practices, emergency response plans, personal protective equipment decontamination, and documentation. A site-specific health and safety plan should also be prepared by the contractor performing earthmoving activities and reviewed by a CIH. Portions of the soil in this part of the site will be characterized as non-RCRA hazardous waste once disturbed. The following describes the characterization of ADL impacted soil and provides disposal options. However, due to limited access and due to the data distribution, other area of this portion of the site could contain hazardous soil. For off-site disposal of soil in other areas within city ROW along the BNSF Railroad ROW and East Valencia Drive, recommendations are discussed below. The following restrictions should apply: Remove the surface layer of soil (surface to 0.5 feet bgs) within the vicinity of boring RR4 (i.e., approximately 150 feet east and west of boring RR4, estimated to be approximately 110 cubic yards). This soil is classified as hazardous and should be disposed at a Class 1 disposal site in accordance with Title 22 CCR requirements. Remove the 2-foot layer (0.5 to 2.0 feet bgs) within the vicinity of boring RR10 (i.e., approximately 150 feet east and west of boring RR10, estimated to be approximately 330 cubic vards). This soil is classified as hazardous and should be disposed at a Class 1 disposal site in accordance with Title 22 CCR requirements. After the non-RCRA hazardous soil has been removed, soil in the layers combined is classified as nonhazardous and may be disposed off-site with no restrictions based on total and soluble lead. However, the entire BNSF Railroad ROW portion of the project could not be sampled, and because of the distribution of the data, statistical analyses of the data that was collected could not be performed. Therefore, it is possible additional areas of soil along the BNSF Railroad ROW contain concentrations of lead that would cause the soil to be non-RCRA hazardous waste Portions of the soil in this part of the site contain elevated TPHs, PCBs, PAHs, and arsenic. Although these contaminants were not detected in

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Raymond Avenue Grade Separation Project Responsible Task and Brief Description Ref. Task Completed Remarks Timing / Phase Action Taken to Comply with Task Branch/Staff Initial Date concentrations that would drive the soil to be characterized as hazardous waste, if the soil is to be transported off-site, it should be managed in accordance with the soil management plan to be included in the construction specifications, and the recipients of the material should be provided the analytical data. 350 and 600 South Raymond Avenue - Private Properties Based on the findings of the ADL study and SI conducted on private properties at 350 and 500 South Raymond Avenue the following recommendations are provided: Concentrations of VOCs have been detected in samples from within this portion of the ADL Survey City of Fullerton During construction site. A South Coast Air Quality Management District (SCAQMD) Rule 1166 permit and Si Construction Contractor should be obtained and implemented. A site-specific health and safety plan should (May 2012) also be prepared by the contractor performing earthmoving activities and reviewed by a CIH. Portions of the soil in this part of the site contain elevated VOCs. Although these ADL Survey City of Fullerton During construction contaminants were not detected in concentrations that would drive the soil to be and SI Construction Contractor characterized as hazardous waste, if the soil is to be transported off site, it should be (May 2012) managed in accordance with the soil management plan to be included in the construction specifications, and the recipients of the material should be provided the analytical data. NOISE Noise levels from the Contractor's operations will comply with the following noise NSR City of Fullerton During construction standards measured at the residential property line: (June 2011) City Engineer From 7:00 a.m. to 10:00 p.m., the allowable exterior noise level is: Construction Contractor 55 dBA for a cumulative period of no more than 30 minutes in any hour (also stated as 55 dBA L50); 60 dBA for a cumulative period of more than 15 minutes in any hour but less than 30 minutes in any hour (also stated as 60 dBA L25); 65 dBA for a cumulative period of more than 5 minutes in any hour but less than 15 minutes in any hour (also stated as 65 dBA L8); 70 dBA for a cumulative period of more than 1 minute in any hour but less than 5 minutes in any hour (also stated as 70 dBA L2); 75 dBA for a cumulative period of less than 1 minute in any hour (also stated as 75 dBA Lmax). From 10:00 p.m. to 7:00 a.m. the allowable exterior noise level is: 50 dBA for a cumulative period of no more than 30 minutes in any hour (also stated as 50 dBA L50): 55 dBA for a cumulative period of more than 15 minutes in any hour but less than 30 minutes in any hour (also stated as 55 dBA L25): 60 dBA for a cumulative period of more than 5 minutes in any hour but less than 15 minutes in any hour (also stated as 60 dBA LB): 65 dBA for a cumulative period of more than 1 minute in any hour but less than 5 minutes in any hour (also stated as 65 dBA L2); 70 dBA for a cumulative period of less than 1 minute in any hour (also stated as 70 dBA Lmax). The Contractor will use an alternative warning method instead of a sound signal NSR City of Fullerton During construction unless required by safety laws, (June 2011) City Engineer Construction Contractor The Contractor will equip all internal combustion engines with the manufacturer-NSR City of Fullerton During construction recommended muffler and will not operate any internal combustion engine on the job (June 2011) City Engineer site without the appropriate muffler. Construction Contractor

TRAFFIC AND TRANSPORTATION (PERSTRIAN) AND DIOVOLETACION						
TRAFFIC AND TRANSPORTATION/PEDESTRIAN AND BICYCLE FACILIT During final design, a detailed Transportation Management Plan (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 diversion; to alternate routes, transportation demand management, and public awareness measures (including signing, mailers, brochures, newspaper articles, Internet). 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. This will include the placement of signage at the intersections of State College Boulevard/Walnut Avenue and Raymond Avenue/Walnut Avenue, restricting access to local residents so that Walnut Avenue is not utilized as a detour route. The TMP will identify appropriate detours for buses, vehicles, and bicycles, as well as access to businesses in the project area. The TMP will also identify access routes for pedestrians/wheelchairs consistent with Americans with Disabilities Act (ADA) requirements. The TMP will consider and accommodate other nearby roadway projects, such as the Placentia Avenue Grade Separation project, which may potentially increase traffic congestion on the detour routes for the Raymond Avenue Grade Separation project and the State College Boulevard Grade Separation project.	Traffic Analysis Report (TAR) (February 2011)	City of Fullerton City Engineer Construction Contractor	During final design and construction			
During construction, the City of Fullerton (City) will implement operational modifications to intersections that will deteriorate during construction from acceptable levels of service (LOS) to unacceptable LOS per City standards (LOS D or LOS E for Congestion Management Plan locations), including the intersections of Acacia Avenue/Kimberly Avenue, State Coilege Boulevard/Orangethorpe Avenue, and Placentia Avenue/Chapman Avenue. The City will, through trial and error, address each failing intersection individually at the actual time of construction to best reduce impacts that may occur.	TAR (February 2011)	City of Fullerton City Engineer Construction Contractor	During construction			
During construction, the City of Fullerton (City) will consider signal and/or striping modifications at the intersections of Lernon Street/Orangethorpe Avenue, Raymond Avenue/Commonwealth Avenue, Acacia Avenue/Commonwealth Avenue, Acacia Avenue/Orangethorpe Avenue, State College Boulevard/ Chapman Avenue, and State College Boulevard/Commonwealth Avenue. Although these intersections operate at acceptable levels of service (LOS), they have high turning volumes at certain movements that could result in long queues and may require longer pocket lengths. The type of modification needed at these intersections will be determined by the City Traffic Engineer and City staff based on actual observations during the construction period.	TAR (February 2011)	City of Fullerton City Engineer City Traffic Engineer	During construction	,		
During construction, the City of Fullerton will monitor traffic at Commonwealth Elementary School and Ladera Vista Junior High 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 grade separation construction on school traffic.	TAR (February 2011)	City of Fullerton City Engineer City Traffic Engineer Construction Contractor	During construction		-	
UTILITIES AND EMERGENCY SERVICES						
During the Plans, Specifications, and Estimates (PS&E) stage, the City of Fullerton (City) will conduct an updated utility search to determine all utility conflicts that require positive location, protection in place, and/or relocation. Proposed undergrounding or relocation of existing utilities will be coordinated and decided upon with the utility companies during the final design phase.	Community Impact Assessment (CIA) (January 2011)	City of Fullerton City Engineer	During final design			
Prior to commencement of construction, the City of Fullerton will coordinate with all affected utility providers to establish exact procedures and specifications for all facilities to be protected in place and relocated during construction to ensure that utility services are not disrupted.	CIA (January 2011)	City of Fullerton City Engineer	Prior to construction			-
Prior to commencement of construction, the City of Fullerton will coordinate with the utility providers for relocation of utility lines to inform the utility users in advance about the date and timing of service disruptions.	CIA (January 2011)	City of Fullerton City Engineer	Prior to construction			_

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Raymond Avenue Grade Separation Project

A plan to implement attractive walls, fencing, sidewalks, and other visually pleasing hardscape will be incorporated into the final design of the project by the City of Fullenton, Special springer user death and person	Visual Impact Assessment	City of Fullerton City Engineer	During final design	<u>. </u>		 Т
Fullerton. Special architectural detail and aesthetic treatments will be incorporated into the design of the retaining wails. The architectural detail and aesthetic treatments could include the use of natural-appearing stone or brick, specially themed mosaics inlaid 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 will reduce the potential visual intrusiveness of the bridge structure and retaining walls. Specific architectural detail and aesthetic treatments will be determined during final design.	(VIA) (January 2011)	on, Engliste	ueaigii			
Prior to completion of final design, the City of Fullerton (City) will incorporate a landscape plan into the final design of the project. The City 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 will effectively buffer sensitive viewers from the visual impacts of the project and will identify all opportunities to use areas within the project limits for revegetation.	VIA (January 2011)	City of Fullerton City Engineer	During final design			
This plan will include landscaping of graded areas with plant species consistent with adjacent vegetation and the screening of all new project structures (bridge and etaining 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 infected areas would be consistent with the existing tandscaping.						
The lighting fixtures will be selected to minimize glare on adjacent properties and into he night sky. Lighting will be shielded with nonglare hoods and focused within City of fullerton right-of-way.	VIA (January 2011)	City of Fullerton City Engineer	During final design			

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Raymond Avenue Grade Separation Project

WATER QUALITY				<u> </u>	 	
During construction the City of Fullerton (City) will 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 will include notifying the Executive Officer of the Santa Ana Regional Water Quality Control Board (RWQCB) prior to commencement of construction. In addition, the City will ensure that the construction contractor prepares and implements a Storm Water Pollution Prevention Plan (SWPPP). The SWPPP will meet the requirements of the Construction General Permit and will identify potential pollutant sources associated with construction activities; identify nonstorm 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. BMPs will include, but not be limited to, Good Housekeeping, Erosion Control, and Sediment Control BMPs.	Water Quality Assessment Report (WQAR) (June 2011) NPDES	City of Fullerton City Engineer Construction Contractor	During final design and construction			
The BMPs identified in the SWPPP will be implemented during project construction. The City will notify the Executive Officer of the Santa Ana RWQCB upon completion of construction and stabilization of the site.						
The City of Fullerton will 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. CAS818030, as amended by Order No. R8-2010-0062) and the General Waste Discharge Requirements for Discharges to Surface Waters that Pose and Insignificant (De Minimus) Threat to Water Quality (Order No. R8-2009-0003, NPDES No. CAG988001), as they relate to discharge of nonstorm water dewatering wastes for the project.	WQAR (June 2011)	City of Fullerton City Engineer Construction Contractor	During final design and construction			
During final design, the City of Fullerton (City) will 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 Best Management Practices (BMPs) will be consistent with the Orange County Drainage Area Master Plan (DAMP) and City of Fullerton Local Implementation Plan (LIP) and will be property designed and maintained to target pollutants of concern. In addition, the United States Environmental Protection Agency (EPA) guidance, "Managing Wet Weather with Green Infrastructure: Green Streets," will be incorporated into the proposed project.	WQAR (June 2011) DAMP LIP EPA guidance	City of Fullerton City Engineer Construction Contractor	During final design			