

Memorandum

To: CHAIR AND COMMISSIONERS

CTC Meeting: October 26-27, 2011

Reference No.: 2.2c.(4)
Action

From: BIMLA G. RHINEHART
Executive Director

Subject: **APPROVAL OF PROJECT FOR FUTURE CONSIDERATION OF FUNDING
FINAL ENVIRONMENTAL IMPACT REPORT FOR BRISTOL STREET WIDENING – 3rd
STREET TO CIVIC CENTER DRIVE PROJECT (RESOLUTION E-11-78)**

ISSUE:

Should the Commission, as a Responsible Agency, accept the Final Environmental Impact Report (FEIR), Findings of Fact and Statement of Overriding Considerations for the Bristol Street Widening – 3rd Street to Civic Center Drive Project (Project) in Orange County and approve the project for future consideration of funding?

RECOMMENDATION:

Staff recommends that the Commission accept the FEIR, Findings of Fact and Statement of Overriding Considerations and approve the project for future consideration of funding.

BACKGROUND:

The City of Santa Ana (City) is the CEQA lead agency for the project. The project will widen Bristol Street into a six-lane, divided arterial street and modify several intersections of Bristol Street with crossing arterial streets.

The project as proposed will result in significant (short-term) unavoidable impacts to households and businesses that are displaced to accommodate the required right-of-way for the widened street and parkways. Findings of Fact were developed which provide that mitigation measures and/or alternatives to the proposed project that would substantially reduce or avoid these significant unavoidable impacts are infeasible. Specifically, the project would result in significant (short-term) adverse effects upon households and businesses that are displaced to accommodate the required right-of-way.

On December 3, 1990, the City found that there were several benefits that outweigh the unavoidable adverse environmental effects of the project. These benefits include, but are not limited to,

improving the traffic carrying capacity, safety, efficiency, pedestrian circulation, and visual quality of the Bristol Street corridor; reducing traffic congestion resulting in reduced vehicle emissions creating a positive effect on local air quality; improving flow of traffic with roadway capacity enhancement, intersection improvements, bus turnouts, drainage improvements, and traffic signal synchronization; and removal of numerous aged, deteriorated and unsightly buildings and structures currently found along the roadway which will facilitate the planned redevelopment of the Bristol Street corridor. The City established a Mitigation Monitoring Program to ensure that the mitigation measures specified for the project are implemented.

On August 4, 2011 the City provided written confirmation that the preferred alternative set forth in the final environmental document is consistent with the project programmed by the Commission.

The project is estimated to cost \$9.68 million and is programmed with State (\$3.2 million) and Local (\$6.48 million) funds. Construction is estimated to begin in fiscal year 2011/12.

Attachment

- Resolution E-11-78
- Findings of Fact & Statement of Overriding Considerations
- Project Location

CALIFORNIA TRANSPORTATION COMMISSION

Resolution for Future Consideration of Funding 12 – Orange County Resolution E-11-78

- 1.1.1 **WHEREAS**, the City of Santa Ana (City) has completed a Final Environmental Impact Report pursuant to the California Environmental Quality Act (CEQA) and the CEQA Guidelines for the following project:
- Bristol Street Widening – 3rd Street to Civic Center Drive Project
- 1.2 **WHEREAS**, the City has certified that the Final Environmental Impact Report has been completed pursuant to CEQA and the State CEQA Guidelines for its implementation; and
- 1.3 **WHEREAS**, the project will widen Bristol Street into a six-lane, divided arterial street and modify several intersections of Bristol Street with crossing arterial streets in the City of Anaheim, Orange County; and
- 1.4 **WHEREAS**, the California Transportation Commission, as a Responsible Agency, has considered the information contained in the Final Environmental Impact Report; and
- 1.5 **WHEREAS**, Findings of Fact made pursuant to CEQA guidelines indicate that specific unavoidable significant impacts related to short-term adverse effects upon households and businesses that are displaced to accommodate the required right-of-way make it infeasible to avoid or fully mitigate to a less than significant level the effects associated with the project; and
- 1.6 **WHEREAS**, the City adopted a Statement of Overriding Considerations for the project; and
- 1.7 **WHEREAS**, the City adopted a Mitigation Monitoring Program for the project; and
- 1.8 **WHEREAS**, the above significant effects are acceptable when balanced against the facts as set forth in the Statement of Overriding Considerations.
- 2.1 **NOW, THEREFORE, BE IT RESOLVED** that the California Transportation Commission does hereby accept the Final Environmental Impact Report, Findings of Fact and Statement of Overriding Considerations and approve the above referenced project to allow for future consideration of funding.

EXHIBIT "B"**MITIGATION MONITORING AND REPORTING PROGRAM
FOR THE
BRISTOL STREET WIDENING PROJECT**

1.0 INTRODUCTION

On January 1, 1989, California State Assembly Bill (AB) 3180 became effective. AB 3180 requires state and local agencies to adopt programs for the monitoring and reporting of the implementation of mitigation measures addressing the significant environmental impacts of projects the agencies approve subject to the California Environmental Quality Act (CEQA). Consistent with AB 3180, the following Mitigation Monitoring and Reporting Program has been adopted for use by the City of Santa Ana as it carries out the Bristol Street Widening project.

2.0 DEVELOPMENT OF THE MITIGATION MONITORING/REPORTING PROGRAM

The basis of the Mitigation Monitoring/Reporting Program is the mitigation measures identified by impact category in Chapter IV of the Final Environmental Impact Statement and Final Environmental Impact Report (FEIS/FEIR). The development of the program is based on the following procedures:

- Identification of the specific mitigation measures proposed for the project from Chapter IV of this FEIS/FEIR.
- Identification of the key dates and events in the project implementation schedule.
- Identification of the key personnel and agencies responsible for environmental monitoring.
- Monitoring of the implementation of the mitigation measures and documentation that the measures have been properly and thoroughly implemented.
- Development of written documentation on the implementation of all the mitigation measures, identification of any areas of noncompliance, and proposed activities to bring the project into compliance with the mitigation monitoring program.

3.0 AUTHORITY TO REQUIRE AND ENFORCE AB 3180

The City of Santa Ana is required to enforce the provisions of AB 3180, consistent with its existing police powers. As lead agency for the environmental documentation for the proposed project and the agency with the authority to approve the proposed project, the City is also the agency responsible for approving the Mitigation Monitoring/Reporting Program and for accepting the written report(s) documenting the completion of the implementation of the mitigation measures. The Public Works Agency of the City will be responsible for coordinating the Mitigation Monitoring Program with the appropriate City departments and outside contractors and consultants.

4.0 PROPOSED MITIGATION MONITORING PROGRAM

Table 1 summarizes the mitigation measures for Chapter IV, the appropriate schedule for implementation of each measure and the City department or other parties responsible for implementing each measure and documenting that each measure has been correctly implemented.

The proposed procedures for implementing the Mitigation Monitoring and Reporting Program are:

4.1 Monitoring Procedures

- A. An Environmental Monitor will be responsible for reviewing the project plans, demolition plans and activities, right-of-way acquisition, residential and business relocation, construction sites, and/or operations to ensure that the mitigation measures are properly and completely accomplished during the implementation of the project.
- B. Written documentation that each mitigation measure in Table 1 is implemented. This documentation can be on a City of Santa Ana mitigation monitoring checklist or any similar form that clearly indicates the schedule for implementation, whether the measure has been implemented, or in the case of measures that are ongoing, that a process has been developed to ensure continued implementation of the measure. For example, the mitigation measures related to the construction period traffic controls are short-term and would be implemented and in place until the completion of each phase of the project. On the other hand, the redevelopment of remnant parcels not used for roadway purposes would be ongoing and would require a commitment on the part of the City to facilitate productive reuse of the land through the exercise of its redevelopment

power, e.g., to assemble small parcels into larger development sites, install landscaping, parking facilities, pedestrian amenities, etc.

4.2 Reporting Procedures

- A. The Environmental Coordinator will be responsible for reviewing the program in Table 1 with the key personnel charged with implementing the proposed project at the City, including the Director of Public Works, the City Traffic Engineer, the design consultants, construction contractors, construction inspectors, and all other key staff and contractors associated with the project.
- B. The Environmental Coordinator will prepare quarterly written reports for the City of Santa Ana Public Works Agency, documenting the satisfactory implementation of all applicable mitigation measures, during that time period, consistent with the schedule and agency approvals indicated in Table 1. For those measures where the project activities do not comply with Table 1, a description of the areas of noncompliance will be prepared, including proposed remedies to bring those elements of the project into compliance with the adopted Mitigation Monitoring/Reporting Program.

The final report on the Mitigation Monitoring and Reporting Program will be provided to the City of Santa Ana Public Works Agency and will be kept on file at their offices located at 101 West 4th Street, in the City of Santa Ana.

TABLE 1
MITIGATION MONITORING REQUIREMENTS

<u>Mitigation Measure</u>	<u>Timing of Implementation</u>	<u>Responsible Entities</u>
<i>Seismic Hazards</i>		
1. As part of the engineering and preparation of design plans, structural and soils engineers will be retained to determine the structural stability of the Santiago Creek Bridge, with regard to a potential subsidence event. These assessments will include recommendations, if needed, to provide adequate structural support for the bridge.	During preparation of design plans for the bridge widening.	City Public Works Agency Consulting Engineers
2. Consideration will be given to installing and replacing surface level structures such as street lights, traffic signals and utility poles, with structures that have extensive subsurface footings that reach stable material.	During preparation of design plans for all phases of project.	City Public Works Agency Consulting Engineers
<i>Erosion</i>		
1. If reconstruction of the Santiago Creek Bridge supports is determined to be necessary, construction activities will be limited to the dry season. Design and construction will be coordinated with the Orange County Environmental Management Agency and the State Department of Fish and Game.	Scheduling to be determined during final design construction. Construction controls as scheduled.	City Public Works Agency Orange County Environmental Management Agency California Department of Fish and Game

EXHIBIT B

Mitigation Measure

Timing of Implementation

Responsible Entities

- 2. Straw or other suitable materials will be placed over uncovered soils, as needed, during street construction activities. This would reduce the amount of erosion.
- 3. Temporary culverts, ditches, catch basins, dams, and settling ponds will be installed in the street construction areas to maintain existing drainage flows and to collect excess water and sediments flowing out of the construction sites. Sediments collected will be disposed of at a Class II or Class III disposal site.

During construction.

City Public Works Agency
Construction Contractor

During construction.

City Public Works Agency
Construction Contractor

Floodplain/Floodway Encroachment

- 1. Routine construction procedures will be implemented to minimize impacts to the floodplains. With regard to the bridge over Santiago Creek, the design will consider the possibility of the Creek overtopping its banks and will be designed to withstand such an episode.

During preparation of bridge widening design plans.

City Public Works Agency
Consulting Engineer

Streambed Modification

- 1. Replacement of tree plantings will occur on those shoulders without surviving trees.

Following construction of widened Santiago Creek Bridge.

City Public Works Agency
Landscape Contractor

Mitigation Measure

2. Bridge widening design and construction will comply with applicable requirements of the "Nationwide Permit" provisions pursuant to the Federal Clean Water Act and with applicable requirements of a Streambed Alteration Permit issued by the California Department of Fish and Game.

Water Quality

1. Temporary culverts, ditches, catch basins, dams, and settling ponds will be installed in construction areas to maintain existing drainage flows and collect excess water and sediment coming from construction sites. Sediments collected will be disposed of at a Class II or Class III disposal facility.
2. If reconstruction of the Santiago Creek Bridge supports is determined to be necessary, construction activities will be limited to dry months. Construction will be coordinated with the Orange County Environmental Management Agency and will comply with their requirements. Temporary drainage and erosion controls such as sandbags, ditches, dams culverts, catch basins, and settling ponds will be used, as needed. Collected sediments will be properly disposed of at a Class II or Class III disposal facility.

Timing of Implementation

During preparation of bridge widening design plans, and during bridge construction.

During street construction.

During bridge construction.

Responsible Entities

City Public Works Agency
Consulting Engineer
California Department of Fish and Game
U.S. Army Corps of Engineers

City Public Works Agency
Construction Contractor
City Inspector

City Public Works Agency
Construction Contractor

Mitigation Measure

Timing of Implementation

Responsible Entities

Urban Landscaping

1. A consistent theme will be developed and implemented for the landscaping within the public right-of-way for Bristol Street as a part of the street widening project.
2. Consideration will be given to the implementation of a Xeriscape landscaping program. Such a program would involve the use of low-maintenance, drought-tolerant plant materials, thereby reducing long-term costs for maintenance and water consumption.

During preparation of street improvement plans, and during construction of street improvements.

City Public Works Agency
Consulting Landscape Architect
Construction Contractor

During preparation of street improvement plans, and during construction of street improvements.

City Public Works Agency
Consulting Landscape Architect
Construction Contractor

Air Quality

1. SCAQMD Rule 403 will be adhered to, insuring the cleanup of construction-related dirt on approach routes to the site.
2. Adequate watering techniques will be employed to partially mitigate the impact of construction-generated dust particulates.
3. Construction equipment will be properly maintained and serviced to minimize exhaust emissions.

During construction of all improvements.

City Public Works Agency
Construction Contractor

During construction of all improvements.

City Public Works Agency
Construction Contractor

During construction of all improvements.

City Public Works Agency
Construction Contractor

Mitigation Measure

Timing of Implementation

Responsible Entities

4. Consideration will be given to the provision of convenient bus shelters and bus turnouts along Bristol Street to encourage the use of public transportation.
5. The use of energy efficient lighting along Bristol Street (low pressure sodium vapor lights) will be considered to reduce emissions at the power plant serving the area. (AQMP control measure N11.)
6. Traffic signals along Bristol Street will continue to be synchronized. (AQMP control measures K2.)
7. Construction activities will be halted during Stage One and Stage Two smog alerts.

During preparation of street improvement plans.

City Public Works Agency
Consulting Engineer

During preparation of street improvement plans.

City Public Works Agency
Consulting Engineer

Ongoing.

City Public Works Agency

During all construction activities.

Construction Contractor
City Inspector

Noise

1. Replacement of existing barriers that are removed to widen the street, by solid barriers at least six feet high.
2. Construction of six-foot block walls on corner lots with access to cross streets, where adequate vehicular sight distances can be maintained.

During preparation of street improvement plans and during construction.

City Public Works Agency
Consulting Engineer
Construction Contractor

During preparation of street improvement plans and during construction.

City Public Works Agency
Consulting Engineer
Construction Contractor

Mitigation Measure

3. Construction of solid sound barriers adjacent to school playgrounds and athletic fields, where determined feasible in consultation with school district officials, to meet federal exterior noise criteria.
4. Construction of six-foot walls to shield residential rear yards, where such rear yards face Bristol Street.
5. Construction of six-foot walls at second-line receptor property lines, to meet the 67 Leq federal criteria.
6. Construction activities will take place only during the hours specified in the City of Santa Ana Noise Control Ordinance to reduce noise impacts during more sensitive time periods.
7. All construction equipment, fixed or mobile, operated within 1,000 feet of a dwelling shall be equipped with properly operating and maintained muffler exhaust systems.
8. Stationary equipment shall be placed so that emitted noise is directed away from sensitive noise receivers, such as residential areas.

Timing of Implementation

- During preparation of street improvement plans and during construction.
- During preparation of street improvement plans and during construction.
- During preparation of street improvement plans and during construction.
- During construction of all improvements.
- During construction of all improvements.
- During construction of all improvements.

Responsible Entities

- City Public Works Agency
Consulting Engineer
Construction Contractor
- City Public Works Agency
Consulting Engineer
Construction Contractor
- City Public Works Agency
Consulting Engineer
Construction Contractor
City Inspector
- City Public Works Agency
Construction Contractor
- City Public Works Agency
Construction Contractor
- City Public Works Agency
Construction Contractor

Mitigation Measure

9. Stockpiling and vehicle staging areas shall be located as far as practical from occupied dwellings.
10. Every effort will be made to create the greatest distance between noise sources and sensitive receptors during construction.
11. The noisiest construction operations will be arranged to occur together in the construction program to avoid continuing periods of greater annoyance.

Light and Glare

1. Consideration will be given to the selection of new street lighting fixtures which have cut-off shields to minimize light and glare nuisances for residential properties adjoining Bristol Street.

Aesthetics

1. Consideration will be given to placing existing overhead utility lines along the street underground, as part of the proposed project.
2. A coordinated theme will be developed for landscaping and improvements within the widened street right-of-way.

Timing of Implementation

- During construction of all improvements.
- During construction of all improvements.
- During construction of all improvements.

During preparation of street improvement plans.

During preparation of street improvement plans.

During preparation of street improvement plans.

Responsible Entities

City Public Works Agency
Construction Contractor

City Public Works Agency
Construction Contractor

City Public Works Agency
Construction Contractor

City Public Works Agency
Consulting Engineer

City Public Works Agency
Consulting Engineer

City Public Works Agency
Consulting Landscape Architect

Mitigation Measure

- 3. A strategy will be developed for the use and treatment of remnant parcels adjacent to the widened roadway, in conjunction with the Project Area Committee by City staff.

Residential Displacement

- 1. All displaced residents will receive relocation assistance from the City of Santa Ana, in accordance with the Department of Transportation, Federal Highway Administration, Uniform Relocation Assistance and Real Property Acquisition Regulations for Federally Assisted Programs (49 CFR, Part 24), March 1989 (a.k.a. the Uniform Act), and California Department of Transportation guidelines. Assistance will be provided by relocation agents with appropriate foreign language skills, and will include information on the availability and prices of homes for sale and for rent that are comparable, decent, safe, and sanitary. Relocation payments will also be available to help eligible displaces, in the form of paying certain costs and expenses involved in moving, purchasing, or renting replacement dwellings.

Timing of Implementation

During preparation of street improvement plans.

During acquisition of right-of-way.

Responsible Entities

City Public Works Agency
Project Area Committee
Santa Ana Community Development Agency

City Public Works Agency
City Real Estate Department

Mitigation Measure

2. Last resort housing benefits will also be provided to cover situations where displaces cannot be relocated due to the lack of available comparable replacement housing, or when their anticipated replacement housing payments would exceed the limits of the standard relocation payments program.

3. "Special Need" displaced households will be identified in the final relocation plan, along with any extraordinary relocation assistance that will be provided.

Business Displacement

1. The City will comply with the most current State and Federal Uniform Relocation Acts, as amended, to assist businesses that are displaced by the project.

2. In conjunction with City staff, the Project Area Committee (PAC) will address various alternatives to keep displaced businesses within the immediate project area. Such alternatives may include establishment of a small shopping mall within the Bristol Street project area.

Timing of Implementation

During right-of-way acquisition.

During right-of-way acquisition.

During right-of-way acquisition.

During right-of-way acquisition.

Responsible Entities

City Public Works Agency
City Community Development Agency

City Public Works Agency
City Community Development Agency

City Public Works Agency
City Community Development Agency

City Public Works Agency
Project Area Committee
Santa Ana Redevelopment Agency
City Planning and Building Agency

Mitigation Measure

Timing of Implementation

Responsible Entities

Neighborhood Character and Minority Group

1. Prior to acquisition of right-of-way, the City of Santa Ana will evaluate the desirability of alternative dispositions of all remaining portions of full-take parcels. Where feasible within the development standards of the Zoning Ordinance and in accordance with the City of Santa Ana policy, such areas will be:
 - a. assembled for redevelopment;
 - b. sold to adjoining land owners; or
 - c. landscaped, thus extending the public parkway by varying depths.

During preparation of street improvement plans and throughout redevelopment of the Bristol Street corridor.

City Public Works Agency
Santa Ana Community Development Agency
City Planning and Building Agency
Project Area Committee

2. All households and businesses that are displaced will receive relocation assistance from the City of Santa Ana, as previously described. Affected minority groups will be relocated to comparable neighborhoods, if so desired, within the City of Santa Ana and surrounding communities.

During right-of-way acquisition.

City Public Works Agency
Santa Ana Community Development Agency
Project Area Committee

Property Values

1. To reduce the loss of property tax revenues, remaining portions of full-take parcels will be evaluated for potential assemblage and redevelopment or for sale to adjoining land owners. This will keep the affected properties in private ownership and subject to assessment of property taxes, based on current property values.

Beginning during right-of-way acquisition and continuing throughout construction and post-construction periods, until all remnant parcels redeveloped or reused in a productive manner.

City Public Works Agency
Project Area Committee
Santa Ana Community Development Agency

TABLE 1
MITIGATION MONITORING REQUIREMENTS

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1. As part of the engineering and preparation of design plans, structural and soils engineers will be retained to determine the structural stability of the Santiago Creek Bridge, with regard to a potential subsidence event. These assessments will include recommendations, if needed, to provide adequate structural support for the bridge.	During preparation of design plans for the bridge widening.	City Public Works Agency Consulting Engineers
2. Consideration will be given to installing and replacing surface level structures such as street lights, traffic signals and utility poles, with structures that have extensive subsurface footings that reach stable material.	During preparation of design plans for all phases of project.	City Public Works Agency Consulting Engineers
<i>Erosion</i>		
1. If reconstruction of the Santiago Creek Bridge supports is determined to be necessary, construction activities will be limited to the dry season. Design and construction will be coordinated with the Orange County Environmental Management Agency and the State Department of Fish and Game.	Scheduling to be determined during final design construction. Construction controls as scheduled.	City Public Works Agency Orange County Environmental Management Agency California Department of Fish and Game

Mitigation Measure

- 2. Straw or other suitable materials will be placed over uncovered soils, as needed, during street construction activities. This would reduce the amount of erosion.
- 3. Temporary culverts, ditches, catch basins, dams, and settling ponds will be installed in the street construction areas to maintain existing drainage flows and to collect excess water and sediments flowing out of the construction sites. Sediments collected will be disposed of at a Class II or Class III disposal site.

Floodplain/Floodway Encroachment

- 1. Routine construction procedures will be implemented to minimize impacts to the floodplains. With regard to the bridge over Santiago Creek, the design will consider the possibility of the Creek overtopping its banks and will be designed to withstand such an episode.

Streambed Modification

- 1. Replacement of tree plantings will occur on those shoulders without surviving trees.

Timing of Implementation

During construction.

During construction.

During preparation of bridge widening design plans.

Following construction of widened Santiago Creek Bridge.

Responsible Entities

City Public Works Agency
Construction Contractor

City Public Works Agency
Construction Contractor

City Public Works Agency
Consulting Engineer

City Public Works Agency
Landscape Contractor

Mitigation Measure

2. The City has adopted a redevelopment plan which encompasses the Bristol Street corridor and surrounding areas, which will provide the City Redevelopment Agency with tax increment financing abilities, which will be used to revitalize this general area to achieve long-term economic benefits, including increasing property tax revenues from property improvements.

Archaeological Resources

1. If potential archaeological resources are encountered during grading, all work will be halted in that particular location until a qualified archaeologist can evaluate the significance of the recovered materials.

Transportation Facilities

1. Provide a 100-foot wide roadway on a 120-foot wide right-of-way from the Santiago Creek to Warner Avenue.
2. Provide intersection lane configurations as shown in Table 21 of Final EIR/EIS.

Timing of Implementation

Exercise of redevelopment powers will be ongoing for many years.

During all grading activities.

During final design and construction.

During final design and construction.

Responsible Entities

Santa Ana Redevelopment Agency

Construction Contractor
City Inspector
Environmental Coordinator

City Public Works Agency
Consulting Engineer

City Public Works Agency
Consulting Engineer

Mitigation Measure

Timing of Implementation

Responsible Entities

- | | | |
|--|--|---|
| <p>3. Prohibit U-turns and provide right-turn overlaps with left-turn phasing at the intersection of Bristol Street with Memory Lane and 17th Street.</p> | <p>During final design and construction.</p> | <p>City Public Works Agency
Consulting Engineer
City Traffic Engineer
Construction Contractor
City Inspector(s)</p> |
| <p>4. Provide protected left-turn phasing in all directions of the intersections along Bristol Street at Memory Lane, 17th Street, First Street, Edinger Avenue, and Warner Avenue. Provide protected left-turn phasing on Bristol Street in the north-south direction at the Bishop Street/Willits Street and the McFadden Avenue intersection.</p> | <p>During final design and construction.</p> | <p>City Public Works Agency
Consulting Engineer
City Traffic Engineer
Construction Contractor
City Inspector(s)</p> |
| <p>5. Provide protected, left-turn phasing on Bristol Street, in the north-south direction, at the Civic Center Drive, 5th Street, and Santa Ana Boulevard intersections.</p> | <p>During final design and construction.</p> | <p>City Public Works Agency
City Traffic Engineer
Consulting Engineer
Construction Contractor
City Inspector</p> |
| <p>6. Widen the bridge over Santiago Creek to a 100-foot right-of-way with three through lanes in each direction.</p> | <p>During final design and construction.</p> | <p>City Public Works Agency
City Traffic Engineer
Consulting Engineer
Construction Contractor
City Inspector</p> |
| <p>7. Remove yellow school crosswalk markings on the north leg of Bristol Street at St. Andrews Place and direct pedestrians to use the traffic signal at Glenwood Place to cross Bristol Street. Re-establish safest route to school utilizing signalized intersection.</p> | <p>During construction.</p> | <p>City Traffic Engineer
Construction Contractor
City Inspector</p> |

Mitigation Measure

8. Provide dual left-turn lanes on all approaches of the Bristol Street/First Street intersection, in the north-south direction, at the Bristol Street/Warner Avenue intersection.

9. Cul-de-sac the following minor streets at their intersection with Bristol Street.
 - a. Pine Street - east and west leg
 - b. Chestnut Street - east leg
 - c. Camille Street - east leg
 - d. Raymar Street - east and west legs
 - e. Richland Street - west leg
 - f. Highland Street - east leg
 - g. Cubbon Street - east leg
 - h. Russell Avenue - east leg
 - i. 7th Street - west leg
 - j. 2nd Street - east and west leg

10. Construct a raised center median on Bristol Street through the following minor street intersections.
 - a. Walnut Street
 - b. Tolliver Street
 - c. Elder Avenue
 - d. Carlton Place
 - e. Camden Place
 - f. St. Anne Place
 - g. St. Gertrude Place
 - h. Park Lane
 - i. 22nd Street
 - j. 18th Street
 - k. 9th Street

Timing of Implementation

During final design and construction.

During final design and construction.

During final design and construction.

Responsible Entities

City Public Works Agency
City Traffic Engineer
Consulting Engineer
Construction Contractor
City Inspector

City Public Works Agency
City Traffic Engineer
Consulting Engineer
Construction Contractor
City Inspector

City Public Works Agency
City Traffic Engineer
Consulting Engineer
Construction Contractor
City Inspector

Mitigation Measure

Timing of Implementation

Responsible Entities

11. Provide a far-side bus turn-out on the west side of Bristol Street south of Santa Ana Boulevard.

During final design and construction.

City Public Works Agency
City Traffic Engineer
Consulting Engineer
Construction Contractor
City Inspector

12. Provide far-side bus turn-out areas on Bristol Street in both northbound and southbound directions at the following intersections:

During final design and construction.

City Public Works Agency
City Traffic Engineer
Consulting Engineer
Construction Contractor
City Inspector

- a. First Street (northbound only)
- b. McFadden Avenue
- c. Edinger Avenue
- d. Warner Avenue
- e. Santa Ana Boulevard (southbound only)

13. Prohibit parking along both sides of Bristol Street, from Memory Lane to Warner Avenue.

During final design and construction.

City Public Works Agency
City Traffic Engineer
Consulting Engineer
Construction Contractor
City Inspector

14. Provide signal coordination system along the Bristol Street corridor to maximize operating efficiency of traffic signals.

Already implemented and continuing.

City Public Works Agency

Construction Impacts

1. SCAQMD Rule 403 will be adhered to, ensuring the cleanup of construction-related dirt on approach routes to the site.

During all construction activities.

Construction Contractor
City Inspector(s)

Mitigation Measure

Timing of Implementation

Responsible Entities

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|--|-------------------------------------|--|
| 2. Adequate watering techniques will be employed to partially mitigate the impact of construction-generated dust particulates. | During all construction activities. | Construction Contractor
City Inspector(s) |
| 3. Construction equipment will be properly <i>maintained and serviced to minimize exhaust emissions.</i> | During all construction activities. | Construction Contractor
City Inspector(s) |
| 4. Activity involving heavy equipment will be halted during Stage One or greater smog alerts. | During all construction activities. | Construction Contractor
City Inspector(s) |
| 5. Construction activities will only take place during daytime hours, Monday through Saturday, in order to reduce noise impacts during sensitive time periods. | During all construction activities. | Construction Contractor
City Inspector(s) |
| 6. All construction equipment, fixed or mobile, operated within 1,000 feet of a dwelling will be equipped with properly operating and maintained mufflers. | During all construction activities. | Construction Contractor
City Inspector(s) |
| 7. Stationary equipment will be placed such that <i>emitted noise is directed away from sensitive noise receivers such as residential areas.</i> | During all construction activities. | Construction Contractor
City Inspector(s) |
| 8. Stockpiling and vehicle staging areas will be located as far as practical from occupied dwellings. | During all construction activities. | Construction Contractor
City Inspector(s) |
| 9. Construction will be staged so that only limited segments of the roadway are affected at any one time. | During all construction activities. | Construction Contractor
City Inspector(s) |

Mitigation Measure

Timing of Implementation

Responsible Entities

10. Traffic control plans will be prepared prior to each phase of construction. All traffic warning and control devices should comply to the provisions of the State of California Manual of Traffic Controls and the Watch Handbook.

Prior to each phase of construction.

City Public Works Agency
Construction Contractor

11. The Orange County Transportation District will be notified prior to the initiation of each phase of project construction, so that arrangements can be made for alternative bus routes and interim bus stop locations, if necessary.

Prior to each phase of construction.

Construction Contractor
City Public Works Agency

12. The police and fire departments will be notified of construction at least one month in advance of each construction phase, as to the particulars of the project (i.e., project time schedule, and areas to be disrupted, etc.). This action would give the police and fire departments sufficient time to notify its personnel of any significant impediments to traffic.

Prior to each phase of construction.

City Public Works Agency
Construction Contractor

13. The City will notify the police department at least 48 hours in advance of any turning changes. A minimum of three signs are required for each indicated change and/or prevention of movement.

Throughout construction activities.

City Public Works Agency

Mitigation Measure

- 14. Project plans and construction activities will be closely coordinated with local utility purveyors in order to make the necessary arrangements for the relocation of facilities and avoid or minimize any disruption to service. It is also recommended that the utilities provide adequate notice to its customers of any service disruptions.
- 15. Consideration will be given to the undergrounding of overhead electrical and telephone lines as part of the project.
- 16. If feasible, construction activities and lane closures will occur primarily during non-peak driving periods.
- 17. The City of Santa Ana's Public Works Director will coordinate closely with all agencies and companies which maintain underground or at-grade utility or energy facilities within the areas to be disturbed by project construction activities. Preliminary and final design plans will be made available to such agencies for review and comment. At least 48 hours prior to commencement of any excavation activities, the City will contact the Underground Service Alert to notify the affected utility/energy purveyors who can place their personnel at the excavation site to assist in the location of underground facilities during the exploratory digging immediately preceding excavation. In this manner, the risk of line rupture to natural gas, petroleum, and sewer facilities, which might release hazardous substances and odors into the air, can be minimized.

Timing of Implementation

During final design and construction.

During final design and construction.

During preparation of construction and traffic control plans and during construction.

During final design and construction.

Responsible Entities

City Public Works Agency
Consulting Engineer
Construction Contractor

Mitigation Measure

Timing of Implementation

Responsible Entities

Hazardous Waste

1. Should any unidentified substances, odors, leaking underground tanks, or other mysterious and potentially hazardous materials be encountered during project construction, work in that area will be halted and the Santa Ana Fire Department's Hazardous Materials Team will be contacted to evaluate the materials and to define appropriate remedial measures.

Throughout construction.

Construction Contractor
City Inspector(s)

2. The removal of any underground storage tanks will be in accordance with all applicable regulations. For any service stations that will be partially acquired or displaced, the City will request that the owners remove the underground gasoline tanks prior to property acquisition. If the owners do not remove the underground tanks, the City will include the following statement in the right-of-way agreement:

During right-of-way acquisition and throughout construction.

City Public Works Agency
City's Acquisition Agent
Fire Department
Construction Contractor
City Inspector

"It is understood that the property being acquired in this transaction may contain hazardous waste which must be removed or otherwise treated, under state or federal law, to protect the public health. If the hazardous waste is found to exist on the property, the state may exercise its right to bring an action, if necessary, to recover cleanup costs from the grantors or any others who are ultimately determined to have responsibility for the hazardous waste condition of the property."

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Project Title:

Bristol Street Widening - 3rd Street to Civic Center Drive

Project Location Map

