

## CITY COUNCIL

For City Clerk's Use:

☐ **APPROVED** ☐ **DENIED**

Reso No. \_\_\_\_\_ File No. \_\_\_\_\_

Ord No. \_\_\_\_\_

**Agenda Item No.: 12**

**Date: October 17, 2012**

**TO:** Honorable Mayor and Members of the City Council

**FROM:** Edward N. Domingue, Director of Engineering Services  
Matthew Souttere, Associate Engineer

**SUBJECT:** Consulting Agreement with Bureau Veritas North America Inc. and Budget Adjustment for Final Design of the East Valley Parkway/Valley Center Road Widening Project

### RECOMMENDATION:

It is requested that Council: 1) adopt Resolution No. 2012-163 authorizing the Mayor and City Clerk to execute a Consulting Agreement between the City of Escondido and Bureau Veritas North America Inc. in the amount of \$675,713 to complete the final design to widen the remaining segment of East Valley Parkway/Valley Center Road from Beven Drive to County of San Diego improvements north of Lake Wohlford Road; and 2) approve a Budget Adjustment to fully fund project design and anticipated staff time.

### FISCAL ANALYSIS:

There is \$400,000 already programmed in Account No. 230-691705 for this work. Staff is requesting that \$345,713 be transferred from Account No. 230-3050 into Account No. 230-691705 via a Budget Adjustment Request to fund the project design costs and staff time spent on the project.

### PREVIOUS ACTION:

Consulting Agreement by Resolution 2000-143, dated August 23, 2000, First Amendment, dated January 15, 2003; Second Amendment, dated February 21, 2003; Third Amendment, dated July 15, 2003; Fourth Amendment, dated September 30, 2003; Fifth Amendment, dated December 24, 2003; Sixth Amendment, dated June 30, 2004; and Seventh Amendment, dated October 4, 2006.

### BACKGROUND:

Under an earlier contract, extending from April 2000 through approximately 2006, Bureau Veritas North America Inc. completed a majority of the design work for Bear Valley Parkway and East Valley Parkway/Valley Center Road, including preliminary work for the segment of road under consideration (See Attachment A). Work included the establishment of survey control, topographic mapping, legal descriptions and plat preparation for the Bear Valley Parkway/East Valley Parkway Underground District Boundary, traffic analysis, environmental assessment and support, potholing of utilities,

Consulting Agreement with Bureau Veritas North America Inc. and Budget Adjustment for Final Design of the East Valley Parkway/Valley Center Road Widening Project

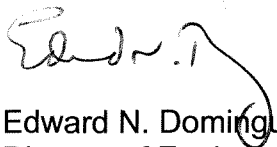
October 17, 2012

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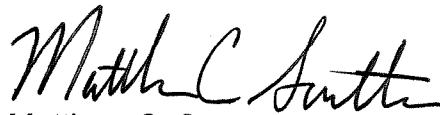
preparation of support material for presentations, and geotechnical work to establish alignment options for eventual final design. Due to the lack of funding, final design for improvement of the remaining segment was not completed at that time.

This project will improve East Valley Parkway/Valley Center Road between Beven Drive and existing County of San Diego improvements approximately one quarter of a mile north of Lake Wohlford Road. Similar improvements on both sides of this road segment have already been completed. Improvements to the south were part of earlier projects completed by the City, and improvements to the north were completed by the County of San Diego. Improvements that make up this project include street widening to provide three lanes in each direction between Beven Drive and Lake Wohlford Road, then transitioning to two lanes north of Lake Wohlford Road to match previously completed street improvements by the County of San Diego. Widening of the existing bridge north of Lake Wohlford Road is required to complete proposed street widening improvements, and will be included with this project. Other improvements include new curb, gutter, median, sidewalk, traffic striping and signal improvements, and new landscaping and irrigation to match Eureka Spring improvements to the south. Proposed improvements are intended to match existing improvements on both sides of this road segment, improve pedestrian and vehicular safety in the area, and improve appearance at the entrance to the City along this major corridor. Staff recommends this agreement with Bureau Veritas North America Inc. because substantial preliminary work has already been completed by this firm, which helps reduce costs of the remaining design services.

Respectfully submitted,

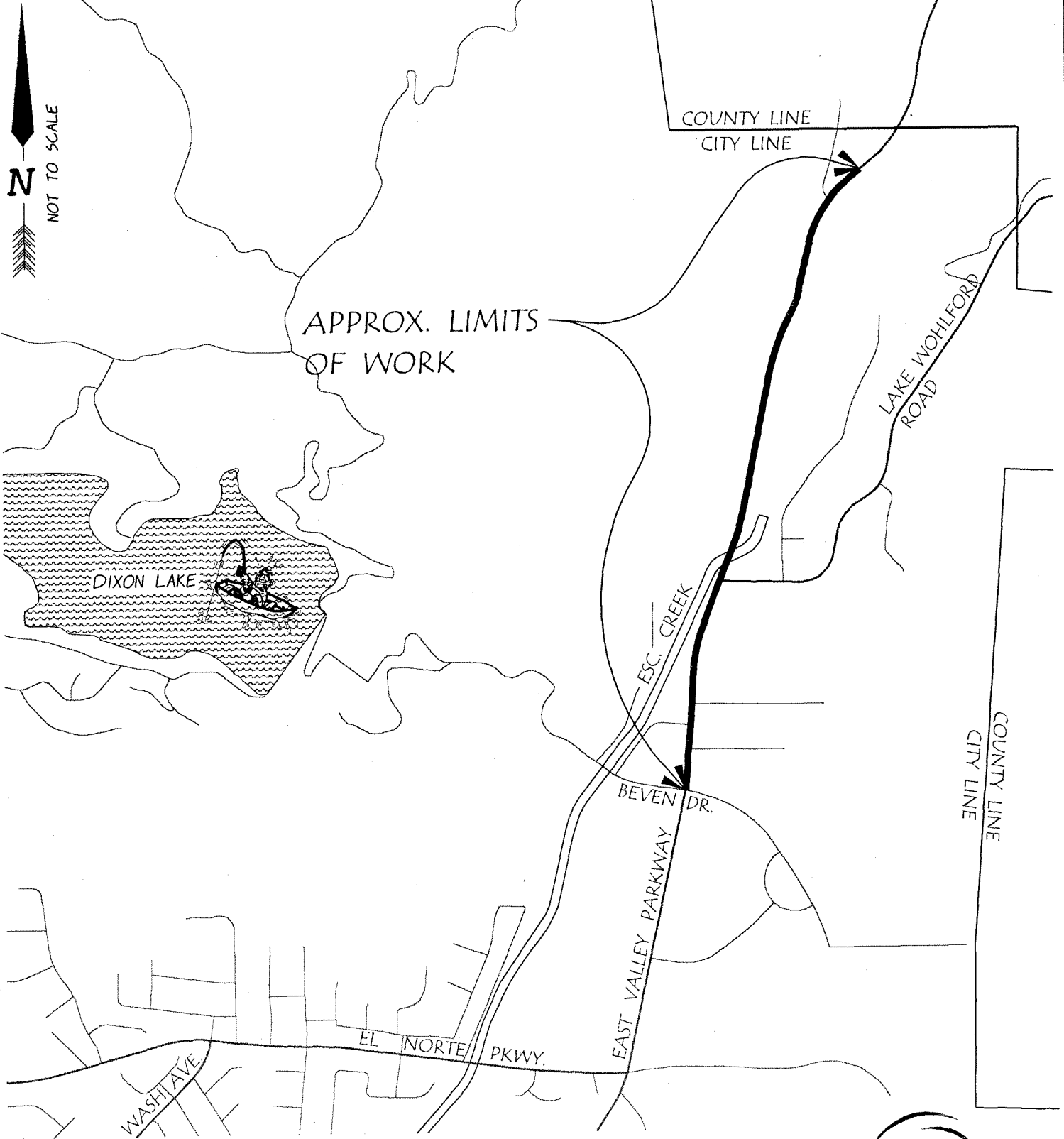


Edward N. Domingue, P.E.  
Director of Engineering Services



Matthew C. Souttere  
Associate Engineer

# EAST VALLEY PARKWAY / VALLEY CENTER ROAD WIDENING PROJECT





CITY OF ESCONDIDO  
BUDGET ADJUSTMENT REQUEST

Date of Request: October 8, 2012  
Department: Engineering Services  
Division: Design  
Project/Budget Manager: Robb Zaino 4001  
Name Extension  
Council Date (if applicable): October 17, 2012  
(attach copy of staff report)

<b>For Finance Use Only</b>	
Log #	_____
Fiscal Year	_____
_____	Budget Balances
_____	General Fund Accts
_____	Revenue
_____	Interfund Transfers
_____	Fund Balance

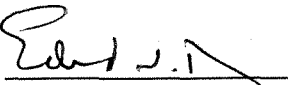
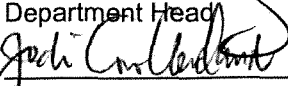
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Project/Account Description	Account Number	Amount of Increase	Amount of Decrease
Widen E. Valley Pkwy & Valley Center Rd.	230-691705	\$345,713	
TransNet Fund Balance	230-3050		\$345,713

Explanation of Request:

The cost of Consultant services to complete design to widen E. Valley Pkwy/Valley Center Rd. from Beven Drive to County of San Diego improvements north of Lake Wohlford Rd. are \$675,713. Funds in the amount of \$400,000 were previously programmed in Account No. 230-691705 for this work. Staff is requesting that \$345,713 be transferred as shown above to pay remaining design costs and anticipated staff time.

APPROVALS

	10/9/12	_____	_____
Department Head	Date	City Manager	Date
	10/11/12	_____	_____
Finance	Date	City Clerk	Date

Distribution (after approval): Original: Finance

RESOLUTION NO. 2012-163

A RESOLUTION OF THE CITY COUNCIL OF  
THE CITY OF ESCONDIDO, CALIFORNIA,  
AUTHORIZING THE MAYOR AND CITY  
CLERK, TO EXECUTE, ON BEHALF OF THE  
CITY, A CONSULTING AGREEMENT WITH  
BUREAU VERITAS NORTH AMERICA INC.  
FOR FINAL DESIGN OF THE EAST VALLEY  
PARKWAY/VALLEY CENTER ROAD  
WIDENING PROJECT

WHEREAS, it is in the best interest of the public to complete remaining street widening improvements on East Valley Parkway/Valley Center Road between Beven Drive and County of San Diego improvements approximately one quarter mile north of Lake Wohlford Road ("Project"); and

WHEREAS, Bureau Veritas North America Inc. completed preliminary engineering, traffic analysis, environmental assessment, and geotechnical work to establish the specific alignment plan for the East Valley Parkway/Valley Center Road Widening Project from Beven Drive to San Diego County improvements approximately one quarter mile north of Lake Wohlford Road; and

WHEREAS, the Director of Engineering Services recommends the execution of a Consulting Agreement ("Agreement") with Bureaus Veritas North America Inc. for final design of the Project for an amount of six hundred seventy-five thousand seven hundred thirteen dollars (\$675,713); and

WHEREAS, this City Council desires at this time and deems it to be in the best public interest to approve said Agreement.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Escondido, California, as follows:

1. That the above recitations are true.

2. That the Mayor and City Clerk are authorized to execute, on behalf of the City, an Agreement with Bureaus Veritas North America Inc. for the final design for widening improvements to East Valley Parkway/Valley Center Road from Beven Drive to County of San Diego improvements approximately one quarter mile north of Lake Wohlford Road, which is attached hereto as Exhibit "1" and incorporated by this reference.



CITY OF ESCONDIDO  
CONSULTING AGREEMENT FOR DESIGN PROFESSIONALS

(ONLY for licensed architects, landscape architects, professional engineers, and professional land surveyors who are performing design services for the City)

This Agreement is made this \_\_\_\_ day of \_ October \_\_, 20 \_\_.

Between: CITY OF ESCONDIDO  
a Municipal Corporation  
201 N. Broadway  
Escondido, California 92025  
Attn: Matthew C. Souttere  
760-839-4574  
("CITY")

And: Bureau Veritas North America Inc.  
10620 Treena Street, Suite 200  
San Diego, CA 92131  
Attn: Phil Kern  
858-451-6100  
("CONSULTANT")

Witness that whereas:

- A. It has been determined to be in the CITY's best interest to retain the professional services of a consultant to complete Final Design of East Valley Parkway/Valley Center Road Street Widening Project; and
- B. The CONSULTANT is considered competent to perform the necessary professional services for CITY;

NOW, THEREFORE, it is mutually agreed by and between CITY and CONSULTANT as follows:

- 1. Services. The CONSULTANT will furnish all of the services as described in "Attachment A" which is attached and incorporated by this reference.
- 2. Compensation. The CITY will pay the CONSULTANT in accordance with the conditions specified in "Attachment A," in the sum of \$675,713. Any breach of this Agreement will relieve CITY from the obligation to pay CONSULTANT, if CONSULTANT has not corrected the breach after CITY provides notice and a reasonable time to correct it.
- 3. Scope of Compensation. The CONSULTANT will be compensated for performance of tasks specified in "Attachment A" only. No compensation will be provided for any other tasks without specific prior written consent from the CITY.

4. Duties. CONSULTANT will be responsible for the professional quality, technical accuracy, timely completion, and coordination of all reports and other services furnished by the CONSULTANT under this Agreement, except that the CONSULTANT will not be responsible for the accuracy of information supplied by the CITY.
5. Personnel. The performance of services under this Agreement by certain professionals is significant to the CITY. CONSULTANT will assign the persons listed on "Attachment B," which is attached and incorporated by this reference, to perform the Services described in Paragraph 1, and will not add or remove persons from the list without the prior written consent of the CITY. CONSULTANT will not subcontract any tasks under this Agreement without obtaining the advance written consent of the CITY.
6. Termination. Either CONSULTANT or the CITY may terminate this Agreement with thirty (30) days advance written notice.
7. City Property. All original documents, drawings, electronic media, and other material prepared by CONSULTANT under this Agreement immediately becomes the exclusive property of the CITY, and may not be used by CONSULTANT for any other purpose without prior written consent of the CITY.
8. Insurance.
  - a. The CONSULTANT shall secure and maintain at its own costs, for all operations, the following insurance coverage, unless reduced by the City Attorney:
    - (1) General liability insurance. Occurrence basis with minimum limits of \$1,000,000 each occurrence, \$2,000,000 General Aggregate, and \$1,000,000 Products/Completed Operations Aggregate; and
    - (2) Automobile liability insurance of \$1,000,000 combined single-limit per accident for bodily injury and property damage, unless waived as provided in 8(b) below; and
    - (3) Workers' compensation and employer's liability insurance as required by the California Labor Code, as amended, or certificate of sole proprietorship; and
    - (4) Errors and Omissions professional liability insurance with minimum coverage of \$1,000,000.
  - b. It is the parties' understanding that the use of a motor vehicle is not a primary subject of this Agreement. CONSULTANT acknowledges that operating a motor vehicle is outside the scope of this Agreement and occurs only at the convenience of the CONSULTANT. A waiver of automobile liability insurance is only effective if both sets of initials appear below, otherwise such insurance is required.

Acknowledged by CONSULTANT \_\_\_\_\_

Waiver appropriate by CITY \_\_\_\_\_

- c. Each insurance policy required above must be acceptable to the City Attorney:
  - (1) Each policy must provide for written notice within no more than thirty (30) days if cancellation or termination of the policy occurs. Insurance coverage must be provided by an A.M. Best's A- rated, class V carrier or better, admitted in California, or if non-admitted, a company that is not on the Department of Insurance list of unacceptable carriers.

- (2) All non-admitted carriers will be required to provide a service of suit endorsement in addition to the additional insured endorsement.
  - (3) Both the General Liability and the Automotive Liability policies must name the CITY specifically as an additional insured under the policy on a separate endorsement page. The endorsement must be ISO Form CG2010 11/85 edition or its equivalent for General Liability endorsements and CA 20-01 for Automobile Liability endorsements.
  - (4) The General Liability policy must include coverage for bodily injury and property damage arising from CONSULTANT's work including its ongoing operations and products-completed operations hazard.
  - (5) The General Liability policy must be primary and noncontributory and any insurance maintained by CITY is excess.
  - d. In executing this Agreement, CONSULTANT agrees to have completed insurance documents on file with the CITY within fourteen (14) days after the date of execution. Failure to comply with insurance requirements under this Agreement will be a material breach of this Agreement, resulting in immediate termination at CITY's option.
9. Indemnification. CONSULTANT (which in this paragraph 9 includes its agents, employees and subcontractors, if any) agrees to indemnify, defend, and hold harmless the CITY from all claims, lawsuits, damages, judgments, loss, liability, or expenses, including attorneys' fees, for any of the following:
- a. Any claim of liability arising out of, pertaining to, or relating to the negligence, recklessness, or willful misconduct of CONSULTANT in the performance of this Agreement, excepting only those claims resulting from the sole negligence, active negligence or intentional misconduct of CITY, its employees, officials, or agents, not including CONSULTANT;
  - b. Any personal injuries, property damage or death that CONSULTANT may sustain while using CITY-controlled property or equipment, while participating in any activity sponsored by the CITY, or from any dangerous condition of property; or
  - c. Any injury or death which results or increases by any action taken to medically treat CONSULTANT.
10. Anti-Assignment Clause. The CONSULTANT may not assign, delegate or transfer any interest or duty under this Agreement without advance written approval of the CITY, and any attempt to do so will immediately render this entire Agreement null and void.
11. Costs and Attorney's Fees. In the event that legal action is required to enforce the terms and conditions of this Agreement, the prevailing party will be entitled to reasonable attorneys' fees and costs.
12. Independent Contractor. CONSULTANT is an independent contractor and no agency or employment relationship, either express or implied, is created by the execution of this Agreement.
13. Merger Clause. This Agreement and its Attachments, if any, are the entire understanding of the parties, and there are no other terms or conditions, written or oral, controlling this matter. In the event of any conflict between the provisions of this Agreement and any of its Attachments, the provisions of this Agreement must prevail.

14. Anti-Waiver Clause. None of the provisions in this Agreement will be waived by CITY because of previous failure to insist upon strict performance, nor will any provision be waived by CITY because any other provision has been waived, in whole or in part.
15. Severability. The invalidity in whole or in part of any provision of this Agreement will not void or affect the validity of any other provisions of this Agreement.
16. Choice of Law. This Agreement is governed by the laws of the State of California. Venue for all actions arising from this Agreement must be exclusively in the state or federal courts located in San Diego County, California.
17. Multiple Copies of Agreement/Counterparts. Multiple copies and/or counterparts of this Agreement may be executed, including duplication by photocopy or by computerized scanning device. Each duplicate will be deemed an original with the same effect as if all the signatures were on the same instrument. However, the parties agree that the Agreement on file in the office of the Escondido City Clerk is the copy of the Agreement that shall take precedence should any differences exist among copies or counterparts of the document.
18. Provisions Cumulative. The foregoing provisions are cumulative and in addition to and not in limitation of any other rights or remedies available to the CITY.
19. Notices to Parties. Any statements, communications or notices to be provided pursuant to this Agreement must be sent to the attention of the persons indicated below. Each party agrees to promptly send notice of any changes of this information to the other party, at the address first above written.
20. Business License. The CONSULTANT is required to obtain a City of Escondido Business License prior to execution of this Agreement.
21. Compliance with Applicable Laws, Permits and Licenses. CONSULTANT shall keep itself informed of and comply with all applicable federal, state, and local laws, statutes, codes, ordinances, regulations, and rules in effect during the term of this Agreement. CONSULTANT shall obtain any and all licenses, permits, and authorizations necessary to perform services set forth in this Agreement. Neither CITY, nor any elected nor appointed boards, officers, officials, employees, or agents of CITY shall be liable, at law or in equity, as a result of any failure of CONSULTANT to comply with this section.
22. Immigration Reform and Control Act of 1986. CONSULTANT shall keep itself informed of and comply with the Immigration Reform and Control Act of 1986. CONSULTANT affirms that as an employer in the State of California, all new employees must produce proof of eligibility to work in the United States within the first three days of employment and that only employees legally eligible to work in the United States will be employed on this public project. CONSULTANT agrees to comply with such provisions before commencing and continuously throughout the performance of this Agreement.

IN WITNESS WHEREOF, the parties below are authorized to act on behalf of their organizations, and have executed this Agreement as of the date set forth below.

CITY OF ESCONDIDO

Date: \_\_\_\_\_

\_\_\_\_\_  
Sam Abed  
Mayor

Date: \_\_\_\_\_

\_\_\_\_\_  
Diane Halverson  
City Clerk

Date: \_\_\_\_\_

\_\_\_\_\_  
(Contractor signature)

\_\_\_\_\_  
Title

*(The above signature must be notarized)*

APPROVED AS TO FORM:

OFFICE OF THE CITY ATTORNEY  
JEFFREY R. EPP, City Attorney

By: \_\_\_\_\_

THE CITY OF ESCONDIDO DOES NOT DISCRIMINATE AGAINST QUALIFIED PERSONS WITH DISABILITIES.

**East Valley Parkway Widening Project – Beven Drive to Northern City Limits**

TASK	TASK DESCRIPTION	DELIVERABLES
<b>1</b>	<b>Project Management and Coordination</b>	
	<p>Consultant will oversee and manage tasks within this scope of work based on a projected 8-month design schedule. Consultant will coordinate between the disciplines, including those services to be performed by subconsultants as described in this scope of work.</p> <p>Project Management and Coordination duties include the following:</p> <ul style="list-style-type: none"> <li>▪ Scheduling, attending, and preparing meeting minutes and action items for eight (8) monthly meetings.</li> <li>▪ Preparing monthly progress reports</li> <li>▪ Updating schedule and providing status updates</li> <li>▪ Subconsultant coordination, management, and administration</li> <li>▪ Environmental coordination</li> <li>▪ Other Coordination/meetings not to exceed project budget line item</li> </ul>	<ul style="list-style-type: none"> <li>▪ Meeting agendas</li> <li>▪ Meeting minutes and action items</li> <li>▪ Monthly status / progress reports</li> <li>▪ Hardcopy project schedules (monthly updates)</li> <li>▪ Copies of Project Correspondence</li> </ul>
<b>2</b>	<b>Topographic and Utility Base Mapping</b>	
	<p><b>2.1 Field Completion Survey</b></p> <p>Consultant will supplement existing survey field shots collected during previous design efforts with new field shots in areas where new development or improvements have occurred. Field completion survey will include the following tasks:</p> <ul style="list-style-type: none"> <li>▪ Recover horizontal and vertical control using previously established benchmarks</li> <li>▪ Perform detailed ground survey and 50-foot cross sections at locations of new development. These areas include:               <ul style="list-style-type: none"> <li>○ Beven Drive intersection and 100 feet in all four directions</li> <li>○ Right turn pocket along the Community Lutheran Church property south of Lake Wohlford Road</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>▪ Field survey notes, electronic file and plot of survey data</li> </ul>



**East Valley Parkway Widening Project – Beven Drive to Northern City Limits**

<b>TASK</b>	<b>TASK DESCRIPTION</b>	<b>DELIVERABLES</b>
	<p><b>2.1 Field Completion Survey (continued)</b></p> <ul style="list-style-type: none"> <li>o Valley Center Road improvements completed in 2008 by the County (Station 97+00 to Station 103+00)</li> <li>▪ Supplement existing 50-foot cross sections to extend beyond proposed improvements a minimum of 10 feet, and add 3 more sections for Lake Wohlford Road</li> <li>▪ Perform detailed ground survey for existing driveways and buildings where improvements may be affected</li> <li>▪ Locate visible utility appurtenances including manholes, valves, pedestals, cabinets, utility poles, exposed piping, mailboxes, etc.</li> </ul>	<ul style="list-style-type: none"> <li>▪ <i>Survey Notes and ASCII Points File</i></li> </ul>
	<p><b>2.2 Update 2004 Utility Base Map</b></p> <p>Consultant will confirm and update the 2004 Utility base map with information collected in Field Completion Survey, Task 2.1, and updated utility records provided by the City. Consultant will provide updated utility base map to City for their monthly utility coordination meeting to check for utility conflicts. If conflicts are determined, City staff will request updated utility records.</p>	<ul style="list-style-type: none"> <li>▪ <i>Updated Utility Base Map</i></li> </ul>
	<p><b>2.3 Update 2004 Topographic Base Map</b></p> <p>Consultant will revise the 2004 Topographic base map with information collected in Field Completion Survey, Task 2.1. Since aerial topographic surveying is not a part of this scope, Consultant will update existing base map with new topography based on new survey points and 2010 satellite imagery. Anticipated areas of revision are the Beven Drive intersection, the west side of the Community Lutheran Church property, and the roadway taper at the North City limits.</p> <p>Consultant will perform a field review with the updated base map to confirm that base map is accurate and comprehensive.</p>	<ul style="list-style-type: none"> <li>▪ <i>Updated Topographic Base Map</i></li> </ul>
	<p><b>2.4 Digital Terrain Model (DTM)</b></p> <p>Consultant will compile survey data and create a DTM of the existing ground using AutoCAD Civil 3D.</p>	<ul style="list-style-type: none"> <li>▪ <i>CAD drawing and XML file of DTM</i></li> </ul>



East Valley Parkway Widening Project – Beven Drive to Northern City Limits

TASK	TASK DESCRIPTION	DELIVERABLES
<b>3</b>	<b>Right of Way Coordination</b>	
	<p><b>3.1 Update Right of Way Base Map</b></p> <p>The Right of Way base map from the previous efforts will be reviewed and verified using current title reports to be provided by the City. Consultant will coordinate with the City's Right of Way Manager on this effort.</p> <p>Based on preliminary research, it is anticipated that changes in existing right of way will occur at Beven Drive due to the recent completion of the Eureka Springs development. Consultant will update the Right of Way base map accordingly, showing existing and proposed Right of Way and existing property lines.</p>	<ul style="list-style-type: none"> <li>▪ CAD file and PDF of revised Right of Way Map</li> </ul>
	<p><b>3.2 Property Acquisition Support (Plats and Legal Descriptions)</b></p> <p>11 plats and legal descriptions were prepared previously for properties impacted by the proposed roadway widening. Consultant will verify the accuracy of these plats and legal descriptions and check if any changes need to be made, including temporary construction and slope easements. Some properties have changed ownership since the previous efforts and those plats and legal descriptions will be updated accordingly. Based on a meeting with the City, the southernmost property on the east side (northeast corner of Beven Drive) will likely be revised to a full property acquisition.</p> <p>This scope assumes a maximum of 3 plat and legal updates and the remainder to involve minor verification only.</p> <p>Consultant will prepare a draft set of plats and legal descriptions and submit them to the City for review and comment. Final plats and legal descriptions will be signed by a licensed surveyor or engineer licensed to perform surveying in the State of California.</p>	<ul style="list-style-type: none"> <li>▪ Draft Plats and Legal Descriptions for 11 parcels</li> <li>▪ Signed Plats and Legal Descriptions for 11 parcels</li> </ul>



**East Valley Parkway Widening Project – Beven Drive to Northern City Limits**

<b>TASK</b>	<b>TASK DESCRIPTION</b>	<b>DELIVERABLES</b>
<b>4</b>	<b>Hydromodification Design and Report</b>	
	<p><b>4.1 Hydromodification Design</b></p> <p>Consultant will perform hydromodification pre- and post-project hydrology studies to determine necessary project BMPs for compliance with California Regional Water Quality Control Board Order R9-2007-0001, and the County's new Hydromodification Management Plan (HMP).</p> <p>The basic design layout will use the non-sidewalk area of the parkway for BMP performance. Design Management Areas (DMAs) will be delineated and BMPs designed using the County approved sizing tool. The results of the design calculations will be incorporated into the Street Improvement Plans for construction.</p>	<ul style="list-style-type: none"> <li>▪ <i>Hydromodification Design Calculations</i></li> <li>▪ <i>Hydromodification Design incorporated into Construction Plans</i></li> </ul>
	<p><b>4.2 Hydromodification Report</b></p> <p>Consultant will prepare a draft Hydromodification report for compliance with Order R9-220-0001 and the HMP, and submit to the City for review and approval. Comments will be incorporated into the draft Hydromodification report and a final report will be prepared and submitted to the City. Final Hydromodification report will be included in the SWMP to be prepared under Task 10.</p>	<ul style="list-style-type: none"> <li>▪ <i>Draft and Final Hydromodification Report (to be included in SWMP)</i></li> </ul>
<b>5</b>	<b>Drainage Analysis – Review and Update</b>	
	<p><b>5.1 Hydrology Study</b></p> <p>Consultant will review previous hydrology study, verify hydrologic methodology and calculations, and update, as necessary, to conform to the 2003 County Hydrology Manual and City's 2009 Drainage Design Standards. Watersheds will need to be re-drawn around the new Beven Drive, and the new storm drain built for Eureka Springs will be incorporated into the revised hydrology. An updated Hydrology Map will be prepared.</p>	<ul style="list-style-type: none"> <li>▪ <i>Hydrology Map and AES reports (to be included in final Drainage Report)</i></li> </ul>

**East Valley Parkway Widening Project – Beven Drive to Northern City Limits**

TASK	TASK DESCRIPTION	DELIVERABLES
	<p><b>5.2 Hydraulic Study</b></p> <p>Using the Hydrology Study, Consultant will perform hydraulic calculations to determine the size of inlets, catch basins, ditches, and underground storm drain piping. Based on the 100-year storm year frequency, a hydraulic grade line will be calculated and used for the sizing of the storm drain improvements. Hydromodification will be performed under a separate task but will be considered when determining final storm drain design.</p>	<ul style="list-style-type: none"> <li>StormCAD and/or Flowmaster results (to be included in final Drainage Report)</li> </ul>
	<p><b>5.3 Drainage Report</b></p> <p>Consultant will compile all hydrologic and hydraulic design calculations in a final report outlining the existing conditions, the calculation methodology, and recommendations for final design.</p> <p>Consultant will submit the Drainage Report at the 75% and 100% PS&amp;E Submittals.</p>	<ul style="list-style-type: none"> <li>Drainage Report at 75% and 100% PS&amp;E Submittals</li> </ul>
<b>6</b>	<b>Prepare 75% PS&amp;E</b>	
	<p><b>6.1 Evaluate Alignment against Environmental Footprint</b></p> <p>Consultant will review alignment from previous design efforts and compare it to the approved 2004 environmental footprint. Consultant will coordinate this effort with the environmental consultant that prepared the 2004 environmental document. Areas of conflict and potential concern will be identified.</p> <p>Consultant will prepare a large scale exhibit overlaying the proposed alignment with the environmental footprint and present it to the City for evaluation of the final alignment. It is anticipated that some elements of the design, specifically the proposed walls from the 2004 alignment, may change based on the environmental footprint.</p>	<ul style="list-style-type: none"> <li>Large scale exhibit of proposed final alignment (1"=20')</li> </ul>



**East Valley Parkway Widening Project – Beven Drive to Northern City Limits**

TASK	TASK DESCRIPTION	DELIVERABLES
	<p><b>6.2 Prepare Roadway Model</b></p> <p>Once alignment is set and an approach to hydromodification has been established, Consultant will create horizontal and vertical alignments in Civil 3D. The road profile from the previous design efforts will be verified.</p> <p>Roadway assemblies (templates, cross sections) will be created and defined to follow the proposed roadway alignment. Roadway cross sections will be designed using City of Escondido standards. However, parkway and median improvements, with the incorporation of hydromodification, may be modified from standard to meet current NPDES requirements.</p> <p>Roadway assemblies will include the street's structural section, curbs, gutters, sidewalks, medians, walls (if necessary) and cut and fill slopes to existing.</p>	<ul style="list-style-type: none"> <li>▪ Cross sections plotted every 50 feet showing both proposed surface and existing ground</li> </ul>
	<p><b>6.3 Prepare Street Improvement Plans</b></p> <p>Consultant will prepare street improvement plan and profile sheets for the widening of East Valley Parkway/Valley Center Road from Beven Drive to the City/County line (approximately 3000 feet). Widening will require improvements to the intersection of Lake Wohlford Road and minor alley-type street connections at Wohlford Drive, Norman Lane, and Lewis Lane.</p> <p>Proposed roadway will be a 6-lane major arterial from Beven to 400 feet north of Lake Wohlford Drive (approx. 2300 feet) and then transition to 4 lanes continuing to the City/County line (approx. 700 feet).</p> <p>Consultant will prepare street improvement plan and profile drawings for the proposed improvements. Drawings will utilize the latest City of Escondido title blocks to be provided by the City.</p> <p>Improvement Plans will include:</p> <ul style="list-style-type: none"> <li>▪ Title sheet</li> <li>▪ General Notes and Legend Sheet</li> <li>▪ Vicinity Map, Location Map, and Sheet Index</li> <li>▪ Typical Section Sheet</li> <li>▪ Detail Sheets</li> <li>▪ Street Improvement Plan and Profile Sheets</li> </ul>	<ul style="list-style-type: none"> <li>▪ (5) full-size and (2) half-size set of plans</li> <li>▪ (1) electronic PDF of Plan Submittal</li> </ul>



**East Valley Parkway Widening Project – Beven Drive to Northern City Limits**

<b>TASK</b>	<b>TASK DESCRIPTION</b>	<b>DELIVERABLES</b>
	<b>6.3 Prepare Street Improvement Plans (continued)</b> <ul style="list-style-type: none"> <li>Storm Drain Plan and Profile Sheets</li> <li>Driveway Sheets</li> <li>Erosion Control Plans</li> </ul>	
	<b>6.4 Specifications</b> Consultant will prepare technical specifications including standard and special provisions. The Standard Specifications for Public Works Construction (Green Book) format will be used, 2012 edition. It is assumed that the City will provide one "boiler plate" copy in digital format of the City Standard Special Provisions. Federal requirements will be incorporated into the City Standard Specifications.	<ul style="list-style-type: none"> <li>(3) copies of Specifications</li> <li>(1) electronic PDF of Specifications</li> </ul>
	<b>6.5 Opinion of Probable Construction Costs (Cost Estimate)</b> Consultant will calculate quantities for each bid item identified on a sheet by sheet basis. Unit costs for each bid item will be determined using the City's, County's, and Caltrans' cost history. A 15% contingency will be added at the 75% submittal stage. All information will be organized in spreadsheet form showing Bid Item, Quantity, Unit Cost, and Total Cost. Consultant will prepare a bid item schedule. The bid item numbers will match the numbering system used for the engineer's opinion of probable cost.	<ul style="list-style-type: none"> <li>(3) copies of Estimate</li> <li>(1) electronic PDF of Estimate</li> </ul>
<b>7</b>	<b>Prepare 100% PS&amp;E</b>	
	Consultant will review and log comments from City and outside party reviewers from the 75% submittal. Comments will be addressed and changes made to the PS&E as appropriate. PS&E will be updated to a 100% level. Updates will focus primarily on the details of the design. Updates will be made to the Specifications and Estimate. Estimate contingency will remain at 15%. No major changes in alignment or design are anticipated at this stage and therefore any major changes would be considered as extra work.	<ul style="list-style-type: none"> <li>Comment Review Log with Responses</li> <li>(5) full-size and (2) half-size set of plans</li> <li>(3) copies of Specs and Estimate</li> <li>(1) electronic PDF of PS&amp;E Submittal</li> </ul>



**East Valley Parkway Widening Project – Beven Drive to Northern City Limits**

<b>TASK</b>	<b>TASK DESCRIPTION</b>	<b>DELIVERABLES</b>
<b>8</b>	<b>Prepare Final PS&amp;E</b>	
	<p>Consultant will review and log comments from City and outside party reviewers from 100% submittal. Comments will be addressed and changes made to the PS&amp;E as appropriate.</p> <p>PS&amp;E will be updated to a FINAL level. In-house QA/QC will be performed and final changes made. All in-house changes will be conveyed to the City for final approval. Once approved, Consultant will prepare a signed set of mylars and make the final submittal.</p>	<ul style="list-style-type: none"> <li>▪ <i>Comment Review Log with Responses</i></li> <li>▪ <i>(1) set of signed mylar drawings</i></li> <li>▪ <i>(1) full-size and (1) half-size set of plans</i></li> <li>▪ <i>(1) copy of Specifications and Estimate</i></li> <li>▪ <i>(1) electronic PDF of PS&amp;E Submittal</i></li> </ul>
<b>9</b>	<b>Storm Water Pollution Prevention Plan (SWPPP)</b>	
	<p>Consultant will prepare a SWPPP in conformance with the California Stormwater Quality Association (CASQA) template for traditional site improvements to comply with the new Statewide General Construction Stormwater Permit (Order No. 2009-0009-DWQ) as issued by the State Water Resources Control Board. Components for preparation of the SWPPP include the following:</p> <ul style="list-style-type: none"> <li>▪ Assessment of Risk Level for the proposed improvements</li> <li>▪ Preparation of Draft SWPPP for Sections 1-7 of CASQA's SWPPP template</li> <li>▪ Preparation of Final SWPPP</li> </ul>	<ul style="list-style-type: none"> <li>▪ <i>Draft SWPPP</i></li> <li>▪ <i>Final SWPPP</i></li> </ul>
<b>10</b>	<b>Storm Water Management Plan (SWMP)</b>	
	<p>Consultant will prepare a Storm Water Management Plan (SWMP) to describe the pollutants of concern, hydrologic conditions of concern (if any), and permanent storm water Best Management Practices (BMPs) to be implemented in accordance with the San Diego Regional Water Quality Control Board (RWQCB) and the City of Escondido and County of San Diego current storm water quality requirements and standards identified in the Water Quality Control Plan for the San Diego Basin, dated September 1994, and the Countywide Model Standard Urban Stormwater Mitigation Plan (SUSMP), dated January 2011.</p>	<ul style="list-style-type: none"> <li>▪ <i>Draft SWMP</i></li> <li>▪ <i>Final SWMP</i></li> </ul>



**East Valley Parkway Widening Project – Beven Drive to Northern City Limits**

TASK	TASK DESCRIPTION	DELIVERABLES
<b>11</b>	<b>Geotechnical Study Update</b>	
	<p>Consultant will perform the following duties as necessary to meet the requirements of the latest Caltrans Seismic Design Criteria and AASHTO LRFD Bridge Design Specifications, 4th Edition, 2007, with California Amendments and other applicable codes:</p> <ul style="list-style-type: none"> <li>▪ Review the current project plans</li> <li>▪ Coordinate with the project structural and civil engineers</li> <li>▪ Review the existing geotechnical report</li> <li>▪ Perform a site visit</li> <li>▪ Update the project geotechnical recommendations and foundation design of the proposed bridge. The update will use the existing field and laboratory data; no additional subsurface exploration or laboratory testing will be performed.</li> </ul>	<ul style="list-style-type: none"> <li>▪ <i>Draft Addendum Geotechnical Report with project updates</i></li> <li>▪ <i>Response to one set of review comments</i></li> <li>▪ <i>Final Addendum Geotechnical Report with project updates</i></li> </ul>
<b>12</b>	<b>Structural Design</b>	
	<p>Consultant will perform structural engineering services for the proposed bridge widening over Escondido Creek and sound walls near Dog Park.</p> <p><b>12.1 Bridge Type Selection</b></p> <p>Consultant will perform the following duties:</p> <ul style="list-style-type: none"> <li>▪ Review as-built plans of the existing bridge.</li> <li>▪ Prepare Type Selection Report for the proposed widening in accordance with Office of Special Funded Projects (OSFP) Information and Procedures Guide Section 4-2.</li> <li>▪ Prepare a General Plan and Foundation Plan for the proposed widening.</li> <li>▪ Submit Type Selection Report for City and Caltrans review.</li> <li>▪ Attend a Type Selection Meeting, make corrections as necessary and resubmit.</li> </ul>	<ul style="list-style-type: none"> <li>▪ <i>Bridge Type Selection Report</i></li> </ul>



**East Valley Parkway Widening Project – Beven Drive to Northern City Limits**

<b>TASK</b>	<b>TASK DESCRIPTION</b>	<b>DELIVERABLES</b>
	<p><b>12.2 Bridge PS&amp;E</b></p> <p>Once bridge type has been approved and the final roadway geometry is set, Consultant will design all elements required for bridge widening. PS&amp;E submittals will be incorporated into submittals for Street Improvement Design at the 75%, 100%, and Final submittal levels. As a part of this design the following tasks will be performed:</p> <ul style="list-style-type: none"> <li>▪ Prepare final bridge design based on AASHTO LRFD Bridge Design Specifications, Fourth Edition, with interims from Caltrans.</li> <li>▪ Prepare seismic analysis and design in accordance with the latest edition of Caltrans Seismic Design Criteria.</li> <li>▪ Perform a seismic evaluation of the existing bridge to determine if seismic retrofit will be necessary.</li> <li>▪ Prepare quantities, final engineer's estimate of probable cost, bid item list, and estimated construction schedule.</li> <li>▪ Perform an independent check of the bridge widening design.</li> <li>▪ Provide technical special provisions based on the Standard Specifications for Public Works Construction (Green Book), 2012 edition.</li> </ul>	<ul style="list-style-type: none"> <li>▪ <i>Bridge Plans at 75%, 100%, and Final Submittals</i></li> </ul>
	<p><b>12.3 Sound Wall PS&amp;E</b></p> <p>Consultant will design sound walls in accordance with the 2010 California Building Code. Walls will consist of a reinforced concrete foundation with a masonry block wall stem. Wall heights and locations will be per the 2004 environmental documents. Wall locations will be depicted on the street improvement plans and a separate sheet will be provided for cross sections and details.</p> <p>Consultant will provide technical special provisions to accompany sound wall plan and prepare a final engineer's estimate of probable construction costs for sound walls.</p>	<ul style="list-style-type: none"> <li>▪ <i>Sound Wall Plans at 75%, 100%, and Final Submittals</i></li> </ul>

East Valley Parkway Widening Project – Beven Drive to Northern City Limits

TASK	TASK DESCRIPTION	DELIVERABLES
13	<b>Traffic and Lighting</b>	
	<p><b>13.1 Traffic Signal Modification Plan</b></p> <p>The project will require the modification of two traffic signals to meet the new widened conditions. These are proposed at the intersections of East Valley Parkway with Beven Drive and Lake Wohlford Road.</p> <p>Consultant will prepare traffic signal modification plans with all appropriate construction details as required by the City. The base plan will show centerlines, right-of-way lines, relevant existing or proposed street improvements, utilities of record, and existing traffic controls and improvements. The plan will conform to the requirements of the City, will reference the latest edition of Standard Plans and Specifications, and will be designed in the specific format required or requested to meet their approval.</p> <p>It is assumed that a traffic signal interconnection between these two signals will need to be implemented or reestablished as part of this construction. This will be accomplished through concise notes on the traffic signal plan(s). We estimate two (2) sheets will be prepared at a scale of 1"=40'.</p>	<ul style="list-style-type: none"> <li>▪ <i>Traffic Signal Modification Plans at 75%, 100%, and Final Submittals</i></li> </ul>
	<p><b>13.2 Signing and Striping Plans</b></p> <p>Consultant will prepare a striping plan that will include work necessary to install or modify the traffic signing and striping that conforms to the requirements of the City and references the latest edition of the Manual of Uniform Traffic Control Devices (MUTCD) or other necessary Standard Plans and Specifications. The plans would be designed in the specific format required or requested by the City to meet their approval. It is estimated that three (3) sheets will be prepared at a scale of 1"=40'.</p>	<ul style="list-style-type: none"> <li>▪ <i>Signing and Striping Plans at 75%, 100%, and Final Submittals</i></li> </ul>



**East Valley Parkway Widening Project – Beven Drive to Northern City Limits**

TASK	TASK DESCRIPTION	DELIVERABLES
	<p><b>13.3 Street Lighting Plans</b></p> <p>Consultant will prepare street lighting plans between the intersections of Beven Drive and Lake Wohlford Road. Plans will show the existing street light facilities in the vicinity and call out electrical service connections for the new lighting equipment. The plans will conform to any requirements listed in the general/specific plan for this area; however, traditional (non-ornamental) street lights were seen along the corridor and are expected to be used in this design as well. Street light spacing used from the previous road section will be maintained as part of the new road section, unless otherwise directed by the City Engineer. We estimate three (3) sheets will be prepared at a scale of 1"=40'.</p> <p>Consultant will work with the electric utility to coordinate any new service that needs to be provided as part of the street lighting for this project.</p>	<ul style="list-style-type: none"> <li>▪ <i>Street Lighting Plans at 75%, 100%, and Final Submittals</i></li> </ul>
<b>14</b>	<b>Landscaping and Irrigation</b>	
	<p>Based on a preliminary meeting with the City, Consultant will be required to submit a Concept Plan to the City's Appearance Committee to obtain approval of the landscaping theme for the proposed roadway.</p> <p><b>14.1 Landscape Concept Plan</b></p> <p>Consultant will prepare a Landscape Concept Plan (LCP) showing the limits of the project, the location of medians, pavings, trees and shrub plantings. The theme for the LCP will continue the existing theme south of the project limits in Eureka Springs.</p> <p>A landscape concept statement will describe the goals for the overall streetscape theme and aesthetics. A plant legend will list the proposed landscape plantings. An irrigation system concept statement will also describe the goals and objectives for providing irrigation to the site.</p> <p>LCP will be prepared in exhibit form at a scale of 1"=20' and presented to the City's 'Appearance Committee' for review and comment.</p>	<ul style="list-style-type: none"> <li>▪ <i>Landscape Concept Plan (1"=20')</i></li> </ul>



**East Valley Parkway Widening Project – Beven Drive to Northern City Limits**

TASK	TASK DESCRIPTION	DELIVERABLES
	<p><b>14.2 Landscape and Irrigation Plans</b></p> <p>Consultant will prepare landscape and irrigation plans based on the approved Landscape Concept Plan in Task 14.1. Landscape and Irrigation Plans will include the following:</p> <ul style="list-style-type: none"> <li>▪ Median Paving Construction Plans and Details</li> <li>▪ Planting Legend and Notes</li> <li>▪ Planting Plans</li> <li>▪ Planting Details</li> <li>▪ Irrigation Legend and Notes</li> <li>▪ Irrigation Plans</li> <li>▪ Irrigation Details</li> </ul> <p>Consultant will prepare technical specifications and opinion of probable construction costs in the same manner as with the Street Improvement Plans.</p> <p>PS&amp;E submittals will be incorporated into submittals for Street Improvement Design at the 75%, 100%, and Final submittal levels.</p>	<ul style="list-style-type: none"> <li>▪ <i>Landscape and Irrigation Plans at 75%, 100%, and Final Submittals</i></li> </ul>
<b>15</b>	<b>Environmental Services and Permitting</b>	
	<p>Based on preliminary research of the 2004 Environmental document, further environmental effort may be required if:</p> <ol style="list-style-type: none"> <li>1. Guidelines specific to this project have changed, or</li> <li>2. Proposed roadway improvements fall outside the approved environmental footprint.</li> </ol> <p>The following scope of work is provided as optional:</p> <p><b>15.1 Jurisdictional Delineation</b></p> <p>The approved jurisdictional delineation was completed using (now outdated) guidelines. If requested by the City, required by Caltrans, or if the project footprint shifts to exceed the approved impact area, Consultant will conduct a jurisdictional delineation pursuant to current U.S. Army Corps of Engineers (Corps) and California Department of Fish and Game (CDFG) guidelines. The delineation will be conducted in accordance with the Arid West Supplement to the 1987 Wetlands Delineation Manual, which reflects the new required methods by the Corps. Jurisdictional wetland boundaries within the areas of proposed impacts will be determined based on the three parameters of vegetation, hydrology and soil.</p>	<ul style="list-style-type: none"> <li>▪ <i>Jurisdictional Delineation Report</i></li> </ul>



**East Valley Parkway Widening Project – Beven Drive to Northern City Limits**

TASK	TASK DESCRIPTION	DELIVERABLES
	<p><b>15.1 Jurisdictional Delineation (continued)</b></p> <p>Please note that only the Corps and CDFG can make a final determination of jurisdictional boundaries and the report will be submitted to these agencies for confirmation. During coordination by the U.S. Army Corps of Engineers with the U.S. Fish and Wildlife Service during Clean Water Act Section 404 permitting, updates to biological information may be requested. Likely future tasks, if this occurs, are addressed below.</p>	
	<p><b>15.2 Preparation/Submittal of Permit Applications</b></p> <p>In accordance with Project Design Measures/Permits P-2 through P-4 of the 2004 MMRP, Consultant will prepare and submit permit applications and agreement requests for the proposed project from the vicinity of Lake Wohlford Road north to the project limits. Permitting efforts would be supported by a jurisdictional delineation report (see Optional Task C.1). Anticipated permits include:</p> <ul style="list-style-type: none"> <li>▪ 404 Permit. Based on prior field assessment, it is currently assumed that the project will require the preparation and submittal of a Clean Water Act Nationwide Section 404 Permit to the Corps.</li> <li>▪ 401 Water Quality Certification. Consultant will prepare and submit a 401 Water Quality Certification application to the State Water Resources Control Board (SWRCB), which also regulates discharges to Waters of the State under authority of the Porter-Cologne Water Quality Act and, in certain cases, requires an Application/Report of Waste Discharge (ROWD).</li> </ul> <p>1602 Streambed Alteration Agreement. HELIX will prepare and submit a Division 2, Chapter 6, Section 1602 Streambed Alteration Agreement request to the CDFG for project effects on areas under CDFG jurisdiction.</p>	<ul style="list-style-type: none"> <li>▪ <i>Permit Application and Agreement Requests for 401, 404, and 1602 Permits</i></li> </ul>
	<p><b>15.3 Permit Processing Management</b></p> <p>The effort necessary to “process” the project’s permits and reports can vary depending upon the type of permit involved, staff assignments and project priorities at the regulatory agencies, the presence of sensitive species, and mitigation negotiations, among other factors.</p>	<ul style="list-style-type: none"> <li>▪ <i>Permit Processing Correspondence</i></li> </ul>



**East Valley Parkway Widening Project – Beven Drive to Northern City Limits**

TASK	TASK DESCRIPTION	DELIVERABLES
	<p><b>15.4 Potential Bird Surveys</b></p> <p>Since the 2004 document, environmental surveys of the following birds may be required/requested from the U.S. Fish and Wildlife Service due to the possible migration of habitat into the project area:</p> <ul style="list-style-type: none"> <li>Coastal California Gnatcatcher</li> <li>Southern Willow Flycatcher</li> </ul>	<ul style="list-style-type: none"> <li><i>Bird Survey Report</i></li> </ul>
	<p><b>15.5 Biological Resources Technical Report Update</b></p> <p>An addendum would be prepared for the existing technical report. This would consist of text summarizing any changes from previously mapped conditions within the current proposed build area, conclusions regarding the habitat assessments, a graphic of the updated vegetation in the project area, and if necessary, a graphic depicting substantive differences between the current year and year 2001 conditions. Mitigation requirements will be confirmed or amended as appropriate based on current conditions and refined engineering data regarding ultimate project footprint (including any temporary construction effects).</p>	<ul style="list-style-type: none"> <li><i>Addendum to the existing Biological Resources Report</i></li> </ul>
	<p><b>15.6 CEQA/NEPA Summary Documents</b></p> <p>Compliance with CEQA is required for the state wetland permits, as well as City conformance with state law. Compliance with NEPA is required to retain federal funding expectations assumed to support project construction. Even if there is some shifting of the project impact footprint during final design, it is expected that potential impacts would be in line and overall consistent with the types of impacts identified for the project during 2003 certification of the EIR under CEQA and 2004 preparation of the Finding of No Significant Impact (FONSI) under NEPA. As a result, it is anticipated that the City will require preparation of an addendum based on the above studies, to be approved during review of grading permits. For cost-estimating purposes, it is assumed that the addendum would not exceed 10 pages and four graphics, and that the document would be revised one time in response to City comments. Consistent with these assumptions, it is assumed that Caltrans in-house staff would complete documentation of less than substantial impacts based on the updated technical studies.</p>	<ul style="list-style-type: none"> <li><i>Addendum to the existing CEQA/NEPA documents</i></li> </ul>



**East Valley Parkway Widening Project – Beven Drive to Northern City Limits**

TASK	TASK DESCRIPTION	DELIVERABLES
<b>16</b>	<b>Retaining Wall Design (Optional Task only to be performed by City Authorization)</b>	
	<p><b>16.1 Geotechnical Investigation for Retaining Wall</b></p> <p>Cutting into the rock slope on southbound East Valley Parkway north of the Escondido Creek Bridge may require construction of soil nail retaining walls. Consultant will perform geologic mapping and characterize the strength and structure of these rock slopes and provide geotechnical recommendations for a soil nail type retaining structure where these cuts are required. Consultant proposes only to perform surface mapping; no drilling or sampling is proposed. This requires two days for geologic mapping and rock structure evaluation which will be performed by a certified engineering geologist, plus additional engineering analysis and recommendations.</p>	<ul style="list-style-type: none"> <li>▪ <i>Geotechnical Report with Basis of Design and Recommendations for Soil Nail Retaining Walls</i></li> </ul>
	<p><b>16.2 Retaining Wall PS&amp;E</b></p> <p>Due to the proximity of the environmental footprint, the retaining walls anticipated to be constructed for this project would require additional environmental analysis. For this reason walls are shown as “optional” to the scope pending approval by the City. If retaining walls are approved, Consultant would perform the following duties for retaining wall design:</p> <ul style="list-style-type: none"> <li>▪ Prepare type selection memo to document the appropriate walls for this location, and submit for City and Caltrans submittal, review and acceptance.</li> <li>▪ Prepare final wall design of the two walls based on AASHTO LRFD Bridge Design Specifications, Fourth Edition, with interims from Caltrans (Section 11 – Abutments, Piers and Walls).</li> <li>▪ Prepare quantities, final engineer’s estimate of probable cost, bid item list, and estimated construction schedule.</li> <li>▪ Perform an independent check of the wall design.</li> <li>▪ Provide technical special provisions based on the Standard Specifications for Public Works Construction (Green Book), 2012 edition</li> </ul>	<ul style="list-style-type: none"> <li>▪ <i>Retaining Wall Plans (Optional)</i></li> </ul>



## UNDERSTANDINGS AND EXCLUSIONS

### Items to be excluded:

- Bid Support and Addenda
- Construction Support
- Caltrans Permits
- Permitting Fees
- Building Demolition and Abatement
- Obtain Preliminary Title Reports
- Preparation of CLOMR/LOMR
- Potholing for Existing Utilities
- Utility Relocation Design
- New Utility inquiries or Utility or As-built Research at City
- NCTD coordination

### Items to be provided by the City:

- Preliminary Title Reports
- Eureka Springs As-built Plans
- Eureka Springs Drainage Study
- General Plan Amendment



EXHIBIT B  
COST PROPOSAL

Resolution No. 2012-162  
EXHIBIT 1  
Page 23 of 26

NAME: East Valley Parkway Widening Project PROJECT NO.: TBD City PM Robb Zaino (619) 825-3825  
FIRM: Bureau Veritas NA W.O. NO.: NA BV PM Philip Kern (858) 863-2107  
DESCR: Beven Drive to Northern City Limits JOB NO.: TBD DATE: 9/20/2012  
MULTIPLIER: \_\_\_\_\_ DIRECT: 1.10 SUBCONSULTANTS: 1.00

LABOR COSTS													
TASK NO.	NO. OF SHEETS	TASK DESCRIPTION	A	B	C	D	E	F	G	TOTAL HOURS	COST	%	
			PRINCIPAL	SENIOR	PROJECT	CADD	ENGR	ADMIN					
				PM	ENGINEER	DESIGNER	TECH		SUB				
			\$210.00	\$175.00	\$140.00	\$96.00	\$80.00	\$56.00		CONSULTANTS			
		Prepare DRAFT SWMP		2	12	24				38	\$4,310.00	1%	
		Prepare FINAL SWMP, upload to SMARTS		4	10	24				38	\$4,380.00	1%	
11		GEOTECHNICAL STUDY UPDATE								TASK TOTAL	\$14,880.00	2%	
		Update Seismic and Foundation Design Information								\$4,380.00	0	\$4,380.00	1%
		Engineering Analyses								\$3,120.00	0	\$3,120.00	0%
		Draft and Final Report								\$7,380.00	0	\$7,380.00	1%
12		STRUCTURAL DESIGN								TASK TOTAL	\$214,230.00	26%	
		Bridge Type Selection								\$22,000.00	0	\$22,000.00	3%
		Existing Bridge Seismic Evaluation								\$8,900.00	0	\$8,900.00	1%
		Prepare Bridge PS&E								\$158,550.00	0	\$158,550.00	19%
		Caltrans PS&E Coordination								\$14,800.00	0	\$14,800.00	2%
		Prepare Sound Wall PS&E		4	16	32				\$4,000.00	52	\$9,980.00	1%
13		TRAFFIC AND LIGHTING								TASK TOTAL	\$29,000.00	4%	
		Prepare Traffic Signal Modification Plan								\$14,000.00	0	\$14,000.00	2%
		Prepare Signing and Striping Plans								\$7,500.00	0	\$7,500.00	1%
		Prepare Lighting Plans								\$7,500.00	0	\$7,500.00	1%
14		LANDSCAPING AND IRRIGATION								TASK TOTAL	\$48,025.00	6%	
		Landscape Concept Design and Presentation								\$6,745.00	0	\$6,745.00	1%
		Prepare 75% Submittal								\$22,825.00	0	\$22,825.00	3%
		Prepare 100% Submittal								\$13,635.00	0	\$13,635.00	2%
		Prepare Final Submittal								\$4,820.00	0	\$4,820.00	1%
15		ENVIRONMENTAL SERVICES & PERMITTING								TASK TOTAL	\$68,718.00	8%	
		Jurisdictional Delineation								\$9,183.00	0	\$9,183.00	1%
		Preparation/Submittal of Permit Applications								\$12,085.00	0	\$12,085.00	1%
		Permit Processing Management								\$10,500.00	0	\$10,500.00	1%
		Potential Bird Surveys								\$10,360.00	0	\$10,360.00	1%
		Biological Resources Technical Report Update								\$5,025.00	0	\$5,025.00	1%
		CEQA/NEPA Summary Documents								\$15,480.00	0	\$15,480.00	2%
		Environmental Project Management and Coordination + ODCs								\$6,125.00	0	\$6,125.00	1%
16		OPTIONAL TASKS (N.I.C.)								TASK TOTAL	\$155,705.00	19%	
		Geotechnical Investigation for Retaining Wall								\$9,705.00	0	\$9,705.00	1%
		Prepare Retaining Wall PS&E								\$146,000.00	0	\$146,000.00	18%
PROJECT LABOR TOTALS			4	187	869	952	362	152	0	\$545,463.00	2526	\$828,448.00	100%
PERCENTAGES			0.2%	7.4%	34.4%	37.7%	14.3%	6.0%	0.0%				

DIRECT COSTS											
TASK NO.	TASK DESCRIPTION	UNITS							w/profit	%	
1	Reproduction/Graphic Materials							2,000.00	2,200.00	74%	
2	Deliveries and Federal Express							200.00	220.00	7%	
4	Mileage							500.00	550.00	19%	
DIRECT COSTS TOTAL									2,970.00	100%	
TOTAL BUDGET											
									\$834,448.00		

\$675,713

**EXHIBIT B  
COST PROPOSAL**

Resolution No. 012-163  
EXHIBIT  
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NAME: <u>East Valley Parkway Widening Project</u>	PROJECT NO.: <u>TBD</u>	City PM <u>Robb Zaino (619) 825-3825</u>
FIRM: <u>Bureau Veritas NA</u>	W.O. NO.: <u>NA</u>	BV PM <u>Philip Kern (858) 863-2107</u>
DESCR: <u>Baven Drive to Northern City Limits</u>	JOB NO.: <u>TBD</u>	DATE: <u>9/20/2012</u>
MULTIPLIER: _____	DIRECT: <u>1.10</u>	SUBCONSULTANTS: <u>1.00</u>

LABOR COSTS																			
TASK NO.	NO. OF SHEETS	TASK DESCRIPTION	A		B		C		D		E		F		G		TOTAL HOURS	COST	%
			PRINCIPAL	SENIOR	PROJECT	CADD	ENGR	ADMIN											
			\$210.00	\$175.00	\$140.00	\$86.00	\$86.00	\$68.00					SUB	CONSULTANTS					
1		PROJECT MANAGEMENT AND COORDINATION															TASK TOTAL	\$47,550.00	6%
		Monthly Meetings based on 8-month schedule			30	80					20						130	\$17,550.00	2%
		Monthly Progress Reports			4	16					8						28	\$3,380.00	0%
		Schedule and Schedule Updates			4	16					8						28	\$3,380.00	0%
		Subconsultant Management & Administration			16	80											96	\$14,000.00	2%
		Environmental Compliance / Coordination			8	16											24	\$3,840.00	0%
		Other Coordination & Meetings	4		8	24											36	\$5,600.00	1%
2		TOPOGRAPHIC AND UTILITY BASE MAPPING															TASK TOTAL	\$27,670.00	3%
		Field Completion Survey													\$13,920.00		0	\$13,920.00	2%
		Update 2004 Utility Base Map				4					8						12	\$1,200.00	0%
		Update 2004 Topographic Base Map		2		10			48								60	\$8,310.00	1%
		Base Map Field Verification				8					12						20	\$2,080.00	0%
		Build Digital Terrain Model (DTM)				8		32									40	\$4,160.00	1%
3		RIGHT OF WAY COORDINATION															TASK TOTAL	\$8,435.00	1%
		Coordinate with City ROW Staff		2		8											10	\$1,470.00	0%
		Update Right of Way Base Map												\$4,880.00			0	\$4,880.00	1%
		Revise Final Plats and Legals, Sign, and Submit to City												\$2,085.00			0	\$2,085.00	0%
4		HYDROMODIFICATION DESIGN AND REPORT															TASK TOTAL	\$19,000.00	2%
		Perform Hydromodification Design		4		30		32	60								128	\$12,740.00	2%
		Prepare Draft and Final Hydromodification Report		4		24						40					68	\$8,260.00	1%
5		DRAINAGE ANALYSIS - REVIEW AND UPDATE															TASK TOTAL	\$25,340.00	3%
		Review 2004 Hydrology Study		2		6											8	\$1,190.00	0%
		Field Review and Report any changed Conditions				8											8	\$1,120.00	0%
		Update Report and Hydrology Map		2		24			24	10							60	\$6,180.00	1%
		Review 2004 Hydraulic Calculations		2		8											10	\$1,470.00	0%
		Update Calculations				24			24								48	\$5,280.00	1%
		Revise 2004 Drainage Report		2		8			24	10							44	\$3,940.00	0%
		QA/QC Revised Report		4		4			10								18	\$2,080.00	0%
		Prepare Submittals to City at 75% and 100%				10			20	20							50	\$4,100.00	0%
6		PREPARE 75% PS&E															TASK TOTAL	\$86,310.00	10%
		Check Alignment against Environmental		4		16		12									32	\$4,080.00	0%
		Prepare Roadway Model in AutoCAD Civil 3D		2		24				80							108	\$10,110.00	1%
		Prepare Title Sheet		1		2		8									11	\$1,215.00	0%
		Prepare Notes and Legend Sheet		1		4		8									13	\$1,495.00	0%
		Prepare Vicinity/Location Map Sheet		1		4		16									21	\$2,255.00	0%
		Prepare Typical Section Sheet		1		4		16									21	\$2,255.00	0%
		Prepare General Details Sheets		1		8		32									41	\$4,335.00	1%
		Prepare Street Improvement Plan and Profile Sheets		8		40		200									248	\$28,000.00	3%
		Prepare Storm Drain Plan & Profile Sheets		4		32		56									92	\$10,500.00	1%
		Prepare Driveway / Off-site Improvement Details		2		8		32									42	\$4,510.00	1%
		Prepare Erosion Control Plans		2		8		32									42	\$4,510.00	1%
		Prepare Technical Specs; procure boiler plate from City		2		12					8						22	\$2,470.00	0%
		Perform Quantity Take-off on a Sheet by Sheet Basis		1		8				40							49	\$4,495.00	1%
		Prepare Cost Estimate in Excel with 25% contingency		2		8				20							30	\$3,070.00	0%
		Perform QA/QC on 75% PS&E		6		4											10	\$1,610.00	0%
		Revise PS&E				4		16									20	\$2,080.00	0%
		Prepare and Submit 75% Submittal				4		8									12	\$1,320.00	0%
7		PREPARE 100% PS&E															TASK TOTAL	\$50,805.00	6%
		Review 75% comments (all parties); Prepare Comment Log		4		8											12	\$1,820.00	0%
		Address Comments; Make Corrections to Plans		2		8		24									34	\$3,750.00	0%
		Update Title, Typ. Section, Notes & Legend Sheets		1		8		24									33	\$3,575.00	0%
		Update Street Improvement Plan and Profile Sheets		1		8		16									25	\$2,815.00	0%
		Update Storm Drain Plan & Profile Sheets		1		8		24									33	\$3,575.00	0%
		Update Driveway / Off-site Improvement Details		1		24		40									65	\$7,335.00	1%
		Update Erosion Control Plans		1		8		16									25	\$2,815.00	0%
		Update General Details Sheets		1		24		40									65	\$7,335.00	1%
		Update Technical Specifications		10		48					8						68	\$8,910.00	1%
		Update Quantity Take-off on a Sheet by Sheet Basis		1		8				32							41	\$3,855.00	0%
		Update Cost Estimate in Excel with 15% contingency		2		2				8							12	\$1,270.00	0%
		Revise PS&E		2		4		16									22	\$2,430.00	0%
		Prepare and Submit 100% Submittal				4		8									12	\$1,320.00	0%
8		PREPARE FINAL PS&E															TASK TOTAL	\$13,010.00	2%
		Review 100% comments (all parties); Prepare Comment Log		4		8											12	\$1,820.00	0%
		Address Comments; Make Corrections to Plans, Specs, Est.		2		16		40									58	\$6,390.00	1%
		Perform QA/QC on FINAL PS&E and revise		6		4		16									28	\$3,130.00	0%
		Prepare and Submit FINAL PS&E Submittal		2		4		8									14	\$1,670.00	0%
9		STORM WATER PREVENTION POLLUTION PLAN (SWPPP)															TASK TOTAL	\$9,900.00	1%
		Prepare DRAFT SWPPP		2		20		32			12						68	\$8,850.00	1%
		Prepare FINAL SWPPP		2		8		12			8						30	\$3,050.00	0%
10		STORM WATER MANAGEMENT PLAN (SWMP)															TASK TOTAL	\$9,870.00	1%
		Identify Pollutants/Conditions of Concern and BMPs				3		8									11	\$1,180.00	0%



**BUREAU  
VERITAS**

August 28, 2012

Mr. Robert Zaino, PE  
Assistant Director of Engineering Services  
City of Escondido  
201 North Broadway  
Escondido CA 92025

**Subject: Final Proposal for Engineering Services  
East Valley Parkway Widening Project – Beven Drive to Northern City Limits**

Dear Robb:

Enclosed is our final proposal for engineering services for the East Valley Parkway Widening Project. We appreciate this opportunity to work with you in completing this anticipated roadway widening project connecting the communities of Valley Center and Escondido. This proposal is based on the following understandings:

- Environmental documents were prepared by Helix Environmental in 2004 and were recently updated. Our research indicates that additional environmental review and permitting efforts may be required based on new regulatory requirements and potential changes in field conditions.
- A 30% to 50% level street improvement design was developed in 2004 by Bureau Veritas (then Berryman & Henigar). While much of this effort can be applied towards final design, both design standards and field conditions have changed since that time.
- The anticipated construction cost is expected to be approximately \$6.5 million.

Our key staff for this project will be Steve Smith, PE (Principal-in-Charge), Phil Kern, PE (Project Manager), and David Berryman, PE (Assistant Project Manager). Our proposed subconsultant team to assist in the final design includes:

Subconsultant	Role on Project
Aguirre & Associates	Surveying and Right-of-Way
Group Delta Consultants, Inc.	Geotechnical Engineering
Simon Wong Engineering	Structural/Bridge Engineering
KOA Corporation	Traffic and Lighting Design
Estrada Land Planning	Landscape/Irrigation Design

With this team, 8% of design costs are being allocated to Underutilized Disadvantaged Business Enterprises (UDBEs).

**Bureau Veritas North America, Inc.**

10620 Treena Street, Suite 200  
San Diego, CA 92131

Main: (858) 451-6100

Fax: (858) 451-2846

[www.us.bureauveritas.com](http://www.us.bureauveritas.com)

Mr. Robert Zaino, PE  
August 28, 2012  
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EXHIBIT 1  
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We are available to meet with you to review this proposal and to answer any questions you may have. We look forward to completing delivery of this very important project for the City of Escondido and surrounding communities in the very near future.

Sincerely,

Philip R. Kern, PE, M.ASCE  
Project Manager

Stephen K. Smith, PE  
Principal-in-Charge

Enclosures: Exhibit A – Scope of Work  
Exhibit B – Cost Proposal