

**SUBMITTAL TO THE BOARD OF SUPERVISORS  
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

802A



**FROM:** TLMA - Transportation Department

**SUBMITTAL DATE:**  
June 5, 2014

**SUBJECT:** Amendment Number 2 to Engineering Services Agreement Between the County of Riverside and CNS Engineers, Inc. for the Countywide Bridge Program. All Districts; [\$290,000]; Local Funds 100%

**RECOMMENDED MOTION:** That the Board of Supervisors:

1. Approve the Amendment Number 2 to the Engineering Services Agreement Between the County of Riverside and CNS Engineers, Inc.; and
2. Authorize the Chairman of the Board to execute the same; and
3. Authorize the Director of Transportation and Land Management, or his designee, to approve no-cost time extensions to complete ongoing tasks.

**BACKGROUND:**

**Summary**

Riverside County (County) owns and operates 112 bridges connecting the 2,147 miles of the County maintained road system. It is critically important that the County assesses the condition of its bridges and roads for safety and functionality on a regular basis.

Patricia Romo

Juan C. Perez, Director of Transportation and Land Management

Assistant Director of Transportation

FINANCIAL DATA	Current Fiscal Year	Next Fiscal Year	Total Cost	Ongoing Cost	POLICY/CONSENT (Per Exec. Office)
<b>COST</b>	\$ 290,000	\$ 0	\$ 290,000	\$ 0	Consent <input type="checkbox"/> Policy <input checked="" type="checkbox"/>
<b>NET COUNTY COST</b>	\$	\$	\$	\$	

**SOURCE OF FUNDS:** Gas Tax, Measure A, TUMF Fees, RBBD Fees, Developer Fees, Permit Fees, and others (% varies). There are no General Funds used in this project.

**Budget Adjustment:** No

**For Fiscal Year:** 2014/2015

**C.E.O. RECOMMENDATION:**

APPROVE

BY:

Tina Grande

**County Executive Office Signature**

**MINUTES OF THE BOARD OF SUPERVISORS**

On motion of Supervisor Jeffries, seconded by Supervisor Benoit and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

**Ayes:** Jeffries, Tavaglione, Stone, Benoit and Ashley  
**Nays:** None  
**Absent:** None  
**Date:** July 1, 2014  
**xc:** Transp.

Kecia Harper-Ihem

Clerk of the Board

By   
Deputy

**Prev. Agn. Ref.:** 4/12/2011, Item 3-21  
6/25/2013, Item 3-38

**District:** All/All

**Agenda Number:**

**3-55**

FORM APPROVED COUNTY COUNSEL

BY:   
MARSHALL VICTOR

Departmental Concurrence

A-30 ☐ Positions Added ☐ Change Order ☐  
4/5 Vote ☐

**BACKGROUND:**

**Summary (continued)**

On April 12, 2011 (Agenda Item 3-21), the Board of Supervisors (Board) executed an agreement with CNS Engineers, Inc. to assist County staff in developing and implementing a Countywide Bridge Program and to provide on-call engineering services. The bridge program provides for a systematic and uniform approach of developing bridge projects, post-earthquake bridge inspections, and most importantly, sustaining the existing bridge inventory by implementing a Bridge/Asset Management Program to preserve and prolong the service life of the existing bridges.

After more than three years of intensive data collection, engineering studies, and reconciliation of County bridge assets, several milestones have been successfully completed:

- A GIS-linked County bridge database, including bridge as-built plans, inspection reports, and prioritized maintenance work recommendations is now 90% complete. Permit load restrictions have been identified and mapped for County maintained bridges. Routine bridge maintenance recommendations have been prioritized and logged together with permit requirements for the use of Highway Operations.
- Six structurally deficient County bridges, which are categorized as first priority, have been programmed in 2013 SCAG-FTIP for total replacement with the Federal Highway Bridge Program (HBP) funds. The \$1,713,000 of the estimated \$26,856,000 has been authorized by the Federal Highway Administration (FHWA) for preliminary engineering and environmental documentation. Consultant selection is in progress.
- Thirty-one bridges have been programmed for HBP Bridge Preventive Maintenance Program (BPMP) funds in the amount of \$2,858,000. \$476,000 has been authorized by FHWA for design and construction engineering support.
- Funding applications for two bridge replacement projects, at an estimated cost of \$12,520,000, have been programmed in 2014 SCAG-FTIP and are pending authorization by FHWA. A funding application for one major bridge rehabilitation project, at an estimated cost of \$6,233,000, has been completed and submitted for programming in the 2015 SCAG-FTIP.
- An Earthquake Response Manual for post-earthquake bridge inspection has been developed. Seventy-one Transportation Department employees including engineers, construction inspectors, and Highway Operations staff members have been trained for Level 1 Bridge Inspection following a major seismic event. Forty-five of these staff members have completed all four phases of hands-on field training and are ready to respond to an earthquake emergency. Annual staff training will continue.

The existing Engineering Services Agreement between the County and CNS Engineers, Inc., which expires on June 30, 2014, provides for bridge program development in the amount of \$433,557, and on-call services of up to a not to exceed amount of \$250,000 annually for tasks that may be assigned by the Transportation Department. The bridge program development work in progress includes development and implementation of the bridge database, earthquake emergency response, and preparation of funding applications. The consultant will continue to assist in design and constructability reviews of submittals for major bridge projects through on-call assignments. The original agreement allows the agreement term to be extended in one-year increments up to a total of two years with Board authorization. Amendment No. 2 will extend the agreement by one more year to expire on June 30, 2015. The original agreement included a budget of \$433,557 to develop and implement the Countywide Bridge Program. It is proposed to increase this budget by \$40,000 for the bridge program, which has been depleted, to provide engineering and inspection services in response to bridge emergencies, including various flooding events.

**SUBMITTAL TO THE BOARD OF SUPERVISORS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**  
**FORM 11:** Amendment Number 2 to Engineering Services Agreement Between the County of Riverside and  
 CNS Engineers, Inc. for the Countywide Bridge Program. All Districts; [\$290,000]; Local Funds 100%  
**DATE:** June 5, 2014  
**PAGE:** 3 of 3

Project No.: C0-0527

### **Impact on Residents and Businesses**

The Bridge/Asset Management Program and on-call services for County bridges will preserve and prolong the service life of bridges Countywide.

**Supplemental:**

### **Additional Fiscal Information**

CNS Engineers, Inc. has assisted the Transportation Department with the development of the Countywide Bridge Program and on-call services since April 2011, with expenditures as shown:

Countywide Bridge Program		
Original Contract Amount:	\$433,557	
Amendment 1:	\$0	
Recommended Amendment 2:	<u>\$ 40,000</u>	
Total Countywide Bridge Program: \$473,557		
On-Call Engineering Services		
Original contract amount:	\$250,000	FY 10/11
	\$250,000	FY 11/12
	\$250,000	FY 12/13
Amendment 1:	\$250,000	FY 13/14
Amendment 2:	\$250,000	FY 14/15
<hr/>		
Total:	\$1,723,557	

### **Contract History and Price Reasonableness**

The original agreement was approved by the Board of Supervisors on April 12, 2011 (Agenda item 3-21) and provided for an initial term of three (3) years, with two (2) additional one (1) year extensions. This action would provide for the first one (1) year extension. This agreement provides for an annual amount not to exceed \$250,000 plus an additional \$40,000 for the Bridge Program, and can be terminated by the County without cause upon a thirty (30) day written notice.

The scope and fee of this agreement are at or below the market rate for services rendered based on comparable services. The consultant has met our needs and expectations on tasks performed to date.

AMENDMENT 2

AMENDMENT TO ENGINEERING SERVICES AGREEMENT BETWEEN  
THE COUNTY OF RIVERSIDE AND CNS ENGINEERS, INC.  
FOR THE COUNTY WIDE BRIDGE PROGRAM

THIS AMENDMENT 2 (hereinafter the "Amendment") to an agreement is made and entered into as of this  
15<sup>th</sup> day of July, 2014, by and between the County of Riverside, a political subdivision of the State of  
California (hereinafter the "COUNTY"), and CNS Engineers, Inc. (hereinafter "ENGINEER").

RECITALS

- A. COUNTY and ENGINEER have entered in an agreement entitled " Engineering Services Agreement – The  
County Wide Bridge Program between County of Riverside Transportation Department and CNS Engineers,  
Inc." that is dated April 12, 2011 (hereinafter the "Agreement"). The agreement provides the terms,  
conditions, and the scope of the engineering services to be provided in assisting the County Bridge Engineer  
(COUNTY PROJECT MANAGER) to implement the County Wide Bridge Program. County Wide Bridge  
Program provides for a systematic and uniform approach of developing bridge projects, post-earthquake  
bridge inspections, and sustaining the existing bridge inventory. The core of the Program is the Bridge/Asset  
Management Program to maintain and prolong the service life of the existing bridges in order to achieve a  
sustainable bridge inventory with the optimum use of available funds. The COUNTY and the ENGINEER  
amended the original agreement on June 25, 2013, Amendment 1, to extend the Agreement term by one year  
for continued services in accordance with the "Appendix B, Article BI Introduction" of the original agreement.
- B. The current Agreement as amended on June 25, 2013 expires on June 30, 2014. The "Appendix B, Article BI  
Introduction" of the Agreement allows the Agreement term to be extended in 1 (one) year increments up to a  
total of two years with Board authorization. The parties desire to amend the current Agreement to extend the  
expiration date of the agreement by 1 (one) more year in order to continue with the implementation of the  
County Wide Bridge Program tasks as well as the design engineering and PS&E review support on  
Development and Capital Improvement projects in progress. Parties also desire to increase the original  
contract budget to augment the original contingency amount, which has been depleted to provide engineering  
and inspection services in response to various bridge emergencies including various flooding events.

AGREEMENT

NOW, THEREFORE, in consideration of the mutual covenants hereinafter contained, the parties agree as follows:

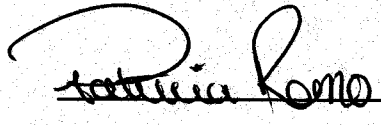
1. Article VI COMPENSATION, subparagraph B of the Agreement as amended on June 25, 2013 is modified to reflect that the current contract budget of \$433,557, which included a contingency of \$41,855, shall be increased by \$40,000 to \$473,557, which increase will be considered an augmentation to the contingency amount.
2. The existing Engineering Services Agreement expires on June 30, 2014. Appendix B introductory paragraph is modified to reflect that the Agreement term shall be extended by one more year effective June 30, 2014. All covenants set forth in the amended Agreement shall be completed by June 30, 2015 date unless a no cost extension is granted by the Director of Transportation and Land Management Agency in order to complete tasks still in progress.
3. Except to the extent specifically modified or amended hereunder, all of the terms, covenants and conditions of the Agreement shall remain in full force and effect between the parties hereto.

IN WITNESS WHEREOF, the parties hereto have caused this Supplement to the Agreement to be duly executed this day and year first written above.

1 **APPROVALS**

2 **COUNTY Approvals**

3 **RECOMMENDED FOR APPROVAL:**

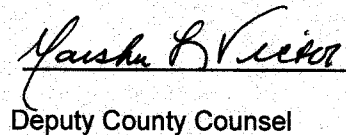
4  
5  
6  Dated: 6/10/14

7 **JUAN C. PEREZ**

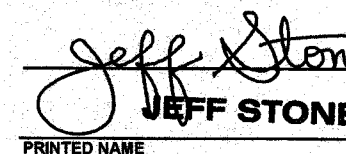
8 Director of Transportation and Land Management  
9 **Patricia Romo**  
10 **Assistant Director of Transportation**

11 **APPROVED AS TO FORM:**

12 **PAMELA J. WALLS**

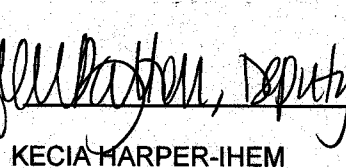
13  
14  Dated: 6/10/14  
15 Deputy County Counsel

16  
17 **APPROVAL BY THE BOARD OF SUPERVISORS**

18  
19  
20  Dated: JUL 01 2014  
21 **JEFF STONE**  
22 PRINTED NAME

23 Chairman, Riverside County Board of Supervisors


24 **ATTEST:**

25  
26  Dated: JUL 01 2014  
27 **KECIA HARPER-IHEM**

28 Clerk of the Board of Supervisors (SEAL)

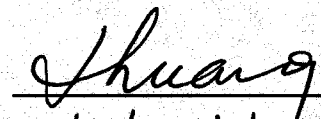
**ENGINEER Approvals**

**ENGINEER:**

 Dated: 6/1/14  
**James J. Lu, PE**  
PRINTED NAME

**president**  
TITLE

**ENGINEER:**

 Dated: 6/1/14  
**Lily Huang, CPS**  
PRINTED NAME  
**Accounting Mgr.**  
TITLE  
**Treasurer**

**SUBMITTAL TO THE BOARD OF SUPERVISORS  
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

933A



FORM APPROVED COUNTY COUNSEL  
BY: 6/11/13 DATE  
MARSHAL VICTOR

**FROM:** TLMA - Transportation Department

**SUBMITTAL DATE:**

June 6, 2013

**SUBJECT:** Amendment Number 1 to the Engineering Services Agreement between the County of Riverside (County) and CNS Engineers, Inc. for the Countywide Bridge Program

**RECOMMENDED MOTION:** That the Board of Supervisors:

1. Approve the Amendment Number 1 to the Engineering Services Agreement between the County and CNS Engineers, Inc.; and
2. Authorize the Chairman of the Board of Supervisors to execute the same.

**BACKGROUND:** The County owns and operates 112 bridges connecting the 2,147 miles of the County maintained road system. It is critically important that the County assesses the

Juan C. Perez  
Director of Transportation and Land Management

(Continued On Attached Pages)

<b>FINANCIAL DATA</b>	Current F.Y. Total Cost:	\$ 250,000	In-Current Year Budget:	Yes
	Current F.Y. Net County Cost:	\$ 0	Budget Adjustment:	No
	Annual Net County Cost:	\$ 0	For Fiscal Year:	2013/2014

<b>SOURCE OF FUNDS:</b> Gas Tax, Measure A, TUMF Fees, RBBF Fees, Developer Fees, Permit Fees, and others (% varies). There are no General Funds used in this project.	<b>Positions To Be Deleted Per A-30</b>	<input type="checkbox"/>
	<b>Requires 4/5 Vote</b>	<input type="checkbox"/>

**C.E.O. RECOMMENDATION:**

APPROVE

BY:   
Tina Grande

County Executive Office Signature

**MINUTES OF THE BOARD OF SUPERVISORS**

On motion of Supervisor Jeffries, seconded by Supervisor Ashley and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Jeffries, Tavaglione, Stone, Benoit and Ashley  
Nays: None  
Absent: None

Date: June 25, 2013  
xc: Transp.

Kecia Harper-Ihem

Clerk of the Board

By:   
Deputy

Prev. Agn. Ref. 4/12/2011 3.21 | District: All | Agenda Number:

3-38

The Honorable Board of Supervisors

RE: Amendment Number 1 to Engineering Services Agreement between the County of Riverside (County) and CNS Engineers, Inc. for the Countywide Bridge Program

June 6, 2013

Page 2

condition of its bridges and roads for safety and functionality on a regular basis. On April 12, 2011, the Board of Supervisors executed an agreement with CNS Engineers, Inc. to assist the County staff in developing and implementing a Countywide Bridge Program. The Bridge Program provides for a systematic and uniform approach of developing bridge projects, post earthquake bridge inspections, and most importantly, sustaining the existing bridge inventory by implementing a Bridge/Asset Management Program to preserve and prolong the service life of the existing bridges.

After more than two years of intensive data collection, engineering studies, and reconciliation of County bridge assets, several milestones have been successfully completed:

- A GIS linked County bridge database including bridge as-built plans, inspection reports, and prioritized maintenance work recommendations is now 60% complete.
- Six structurally deficient County bridges, which are categorized as first priority, have been programmed in the 2013 SCAG-FTIP for total replacement with Federal Highway Bridge Program (HBP) funds. Preliminary engineering and environmental documentation will begin this year.
- Thirty-one bridges have been programmed for HBP Bridge Preventive Maintenance Program (BPMP) funds in the amount of \$2.8 million.
- Federal Highway Administration (FHWA) funding applications for one bridge replacement and two major bridge rehabilitation projects at an estimated cost of \$17,560,000 were completed and are pending FHWA approval.
- An Earthquake Response Manual for post earthquake bridge inspection has been developed. Seventy-one Transportation Department employees including engineers, construction inspectors, and Highway Operations staff members have been trained for Level 1 Bridge Inspection after a major seismic event. Forty-five of these staff members have completed the first three phases of a four-phase, hands-on field training. The fourth and final phase, which is a response evaluation workshop, is scheduled for the summer of 2013.
- Funding applications for two major Santa Ana River bridges on Market Street and Hamner Avenue were prepared. The estimated total cost to replace these bridges is \$97,239,000, and \$4,620,000 in HBP funds have been authorized by FHWA for the development of preliminary engineering and environmental documentation.

The work is continuing on the development and the implementation of the bridge database, earthquake emergency response, and preparation of funding applications. The Consultant will continue to assist in design and constructability reviews of submittals for major bridge projects through on-call assignments. The existing Engineering Services Agreement between the County and CNS Engineers, Inc. expires on June 30, 2013. The original agreement allows the agreement term to be extended in one-year increments, up to a total of two years with Board authorization. Amendment No. 1 will extend the Agreement by one year to expire on June 30, 2014. The contract provides for on-call services for project development and the continuing development of the County Bridge Program for a not-to-exceed amount of \$250,000.

Project No.: C0-0527



**AMENDMENT 1**

**AMENDMENT TO ENGINEERING SERVICES AGREEMENT BETWEEN**

**THE COUNTY OF RIVERSIDE AND CNS ENGINEERS, INC.**

**FOR THE COUNTY WIDE BRIDGE PROGRAM**

THIS AMENDMENT 1 (hereinafter the "Amendment") to an agreement is made and entered into as of this 25th day of June, 2013, by and between the County of Riverside, a political subdivision of the State of California (hereinafter the "COUNTY"), and CNS Engineers, Inc. (hereinafter "ENGINEER").

**RECITALS**

A. COUNTY and ENGINEER have entered in an agreement entitled " Engineering Services Agreement – The County Wide Bridge Program between County of Riverside Transportation Department and CNS Engineers, Inc." that is dated April 12, 2011 (hereinafter the "Agreement"). The agreement provides the terms, conditions, and the scope of the engineering services to be provided in assisting the County Bridge Engineer (COUNTY PROJECT MANAGER) to implement the County Wide Bridge Program. The core of the County Wide Bridge Program is the Bridge/Asset Management Program to maintain and prolong the service life of the existing bridges in order to achieve a sustainable bridge inventory with the optimum use of available funds. Other important Program features include:

1. Developing and implementing the guidelines, office and field procedures for earthquake preparedness to maintain, and when necessary, to restore the transportation network within the County jurisdiction back to operation following significant seismic events.
2. Developing a GIS based mapping of County bridges providing permit load restrictions, pending bridge maintenance recommendations, and storing other pertinent bridge records (as-built plans, inspection reports, etc.) for quick and easy access.
3. Updating, maintaining, and enforcing the County Bridge Design Criteria, Electronic Procedures, and Structural Detailing Standards as it supplements the guidelines and procedures put in place by the State Department of Transportation (CALTRANS) for bridge design, inspection, and maintenance in the State of California.
4. Conducting a Type Selection Process for every bridge proposed on County maintained roadway system (This task is an On-Call Engineering Service on an as needed basis).
5. Reviewing bridge planning studies as well as all progress submittals for bridge Plans, Specifications,

***The County Wide Bridge Program***

and Estimates (PS&E) prepared as part of various Development and Capital Improvement projects for compliance with guidelines, constructability, and Quality Assurance (This task is an On-Call Engineering Service on an as needed basis).

B. The current Agreement expires on June 30, 2013. The "Appendix B, Article BI Introduction" of the Agreement allows the Agreement term to be extended in 1 (one) year increments up to a total of two years with Board authorization. The parties desire to amend the current Agreement to extend the expiration date of the agreement by 1 (one) year in order to continue with the implementation of the County Wide Bridge Program tasks as well as the design engineering and PS&E review support on Development and Capital Improvement projects in progress.

**AGREEMENT**

NOW, THEREFORE, in consideration of the mutual covenants hereinafter contained, the parties agree as follows:


1. The existing Engineering Services Agreement expires on June 30, 2013. Appendix B introductory paragraph is modified to reflect that the Agreement term shall be extended by one year effective June 30, 2013. All covenants set forth in the amended Agreement shall be completed by June 30, 2014 date unless extended by another supplemental agreement.
2. Except to the extent specifically modified or amended hereunder, all of the terms, covenants and conditions of the Agreement shall remain in full force and effect between the parties hereto.

IN WITNESS HEREOF, the parties hereto have caused this Supplement to the Agreement to be duly executed this day and year first written above.

1 **APPROVALS**

2 **COUNTY Approvals**

3 **RECOMMENDED FOR APPROVAL:**

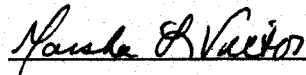
4  
5  Dated: 6/6/13

7 **JUAN C. PEREZ**

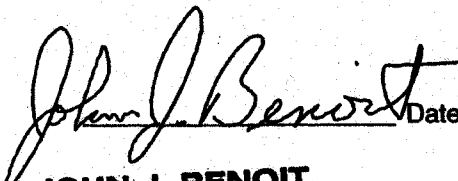
8 Director of Transportation and Land Management

9  
10 **APPROVED AS TO FORM:**

11 **PAMELA J. WALLS**

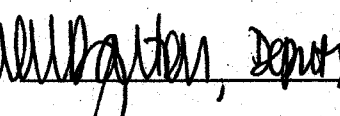
12  
13  Dated: 6/11/13  
14  
15 Deputy County Counsel

16  
17 **APPROVAL BY THE BOARD OF SUPERVISORS**

18  
19  Dated: JUN 25 2013  
20  
21 **JOHN J. BENOIT**  
22 PRINTED NAME

23 Chairman, Riverside County Board of Supervisors

24 **ATTEST:**

25  
26  Dated: JUN 25 2013  
27  
28 **KECIA HARPER-IHEM**

29 Clerk of the Board of Supervisors (SEAL)

**ENGINEER Approvals**

**ENGINEER:**

 Dated: 5/21/13

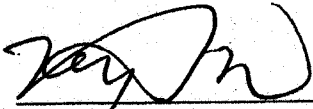
James J. Lu, PE, SE

PRINTED NAME

President

TITLE

**ENGINEER:**

 Dated: 5/21/13

Hui-Min Huang, CPA

PRINTED NAME

Treasurer

TITLE

**SUBMITTAL TO THE BOARD OF SUPERVISORS  
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

221  
A



**FROM:** TLMA - Transportation Department

**SUBMITTAL DATE:**  
March 17, 2011

**SUBJECT:** Engineering Services Agreement by and between Riverside County and CNS Engineers, Inc. for the County-wide Bridge Program.

**RECOMMENDED MOTION:** That the Board of Supervisors:

1. Approve the Engineering Services Agreement with CNS Engineer, Inc. for the County-wide Bridge Program, and;
2. Authorize the Chairman of the Board to execute the same.

**BACKGROUND:** Riverside County owns and operates 148 bridges connecting the 2503 miles of the County maintained road system (including bridges being maintained during the transition period for the new Cities of Eastvale and Jurupa). These bridges are an essential component of

Juan C. Perez  
Director of Transportation

(Continued On Attached Pages)

<b>FINANCIAL DATA</b>	Current F.Y. Total Cost:	\$ 683,557	In Current Year Budget:	Yes
	Current F.Y. Net County Cost:	\$ 0	Budget Adjustment:	No
	Annual Net County Cost:	\$ 0	For Fiscal Year:	2010/11
<b>SOURCE OF FUNDS:</b> Gas Tax (ABX8-9), Measure A/Western, Various (for On-Call Engineering Services).				Positions To Be Deleted Per A-30 <input type="checkbox"/>
				Requires 4/5 Vote <input type="checkbox"/>

**C.E.O. RECOMMENDATION:**

APPROVE

BY:

Tina Grande

County Executive Office Signature

**MINUTES OF THE BOARD OF SUPERVISORS**

On motion of Supervisor Stone, seconded by Supervisor Ashley and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Buster, Tavaglione, Stone, Benoit and Ashley  
Nays: None  
Absent: None  
Date: April 12, 2011  
xc: Transp.

Kecia Harper-Ihem  
Clerk of the Board  
By: Deputy

Prev. Agn. Ref.

District: All

Agenda Number:

3.21

ATTACHMENTS FILED  
WITH THE CLERK OF THE BOARD

FORM APPROVED COUNTY COUNSEL  
BY: MARSHA L. VICTOR  
DATE: 3/30/11

Departmental Concurrence

Dep't Recomm.: ☒ Policy ☐ Consent  
Per Exec. Ofc.: ☒ Policy ☐ Consent

The Honorable Board of Supervisors

RE: Engineering Services Agreement by and between Riverside County and CNS Engineers, Inc. for the County-wide Bridge Program

March 17, 2011

Page 2

maintaining the function of our road system for our residents, visitors, and emergency service providers that rely on it. With Riverside County being located in the heart of seismically active Southern California, it's critically important that the County assess the condition of its bridges and roads for safety and functionality on a regular basis prior to and following a major seismic event. Timely response to quickly restore transportation routes is critical to public safety, emergency vehicle access, and the overall economy of the area.

Focusing on the timely maintenance and preservation of the existing bridge inventory will extend the service life of the bridges. The establishment of a County-wide Bridge Program will provide for a systemic and uniform approach of developing bridge projects, conducting post earthquake bridge inspections, and sustaining the existing bridge inventory by:

- Implementing a Bridge/Asset Management Program for maintaining existing bridges on County maintained roads, including evaluation of bridges that need improvement and determining funding needs to assist in pursuing eligible State funds.
- Updating the County Bridge Design Criteria, as it supplements the State Department of Transportation (CALTRANS) guidelines and procedures for bridges.
- Conducting a Type Selection Process for every bridge proposed on the County maintained roadway system to determine the most appropriate bridge type for new structures based on functionality and long-term maintenance; reviewing bridge Plans, Specifications, and Estimates (PS&E) prepared as part of various Development and Capital Improvement projects.
- Developing and implementing the guidelines, and procedures for earthquake preparedness to maintain, and when necessary, to restore the transportation network within the County jurisdiction following significant seismic events.
- Developing a GIS based mapping of County bridges. The mapping would include permit load restrictions, pending bridge maintenance recommendations, and links to other pertinent bridge records for quick and easy access.

CNS Engineers, Inc. was selected as the successful firm in response to the County's request for proposals to implement a County-wide Bridge Program. The Transportation Department solicited requests for proposals and reviewed submittals for twelve (12) firms. Interviews were conducted on eight (8) firms, and CNS Engineer, Inc. of Riverside was the top-ranked firm. This contract provides for program development and on-call services of \$250,000 annually for tasks that may be assigned by the Transportation Department up to a not-to-exceed amount including post-seismic event inspections and field staff training.

**Proposed Budget:**

- Development of the County Bridge Program \$433,556.86
- On-Call Engineering Services \$250,000.00

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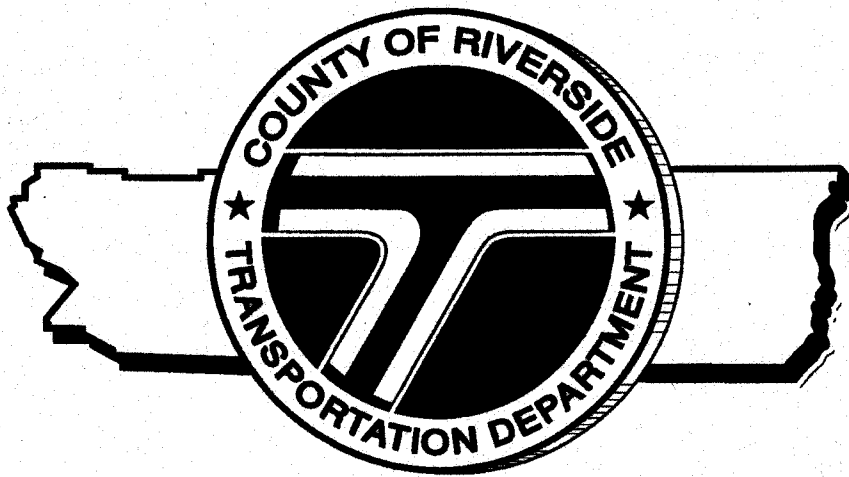
<b>Total Proposed Budget</b>	<b>\$683,556.86</b>
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W.O. No. C0-0527

Federal Project No. \_\_\_\_\_  
Caltrans EA No. \_\_\_\_\_

Contract No. 11-02-003  
Riverside Co. Transportation

# ENGINEERING SERVICES AGREEMENT



for

**< THE COUNTY WIDE BRIDGE PROGRAM >**

between

**COUNTY OF RIVERSIDE • TRANSPORTATION DEPARTMENT**

and

**< CNS ENGINEERS, INC. >**

APR 12 2011 3.21