TO: CITY COUNCIL
VIA: CITY ADMINISTRATOR
FROM: DIRECTOR OF PUBLIC WORKS
DATE: JULY 23, 2019
SUBJECT: PROFESSIONAL SERVICES AGREEMENT FOR ENGINEERING DESIGN SERVICES: CITYWIDE CYCLE 9 HIGHWAY SAFETY IMPROVEMENT PROGRAM PROJECT (PROJECT NO. 2908)

FISCAL IMPACT: EXPENSE: $132,445
BUDGETED: $1,284,000 FY 2019-20 CAPITAL IMPROVEMENT PROGRAM BUDGET – FEDERAL HSIP GRANT FUNDS
No General Fund dollars will be used on this project.

SUMMARY:
On December 20, 2018, the California Department of Transportation (Caltrans) approved the City’s grant application to the Highway Safety Improvement Program (HSIP) for Cycle 9 funding in the amount of $1,284,000. This grant provides funding for traffic safety improvements at five (5) major intersections throughout the City.

On February 28, 2019, Staff issued a Request for Proposal (RFP) for professional engineering design services in support of the Citywide Cycle 9 HSIP. Staff received three (3) proposals for these services and after a thorough review, is recommending KOA Corporation (KOA), based upon their qualifications, experience, and technical expertise. The agreement with KOA will provide the City with traffic engineering design, construction plans, technical specifications, and an engineer’s estimate (PS&E) in addition to bid/award and construction support services. KOA will be able to complete the design package by spring of 2020, at which time the Staff will be able to advertise, bid, and construct the project in the summer of 2020. This schedule allows Staff ample time to complete both the design and construction of this project ahead of the State’s project completion deadline of December 2021. The cost for engineering design services as well as construction costs for this project is fully covered by the grant program. No matching City funds are required.

RECOMMENDATION:
It is recommended that City Council take the following actions:

1. Award a Professional Services Agreement for engineering design services for the Citywide Cycle 9 Highway Safety Improvement Program Project to KOA Corporation, for a not-to-exceed amount of $132,445; and

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2. Authorize the City Administrator to approve contract change orders up to 10% of the contract not-to-exceed amount, or $13,244; and

3. Authorize the City Administrator and/or his designee to execute all the necessary documents, in a form approved by the City Attorney.

DISCUSSION:

In March of 2016, Staff submitted a grant application to Caltrans for funding to complete a Systemic Safety Analysis Report Program (SSARP). The purpose of the SSARP is to assist local agencies in performing traffic collision analyses and identifying safety issues on their roadway networks, and to develop a list of systemic improvements to be constructed to mitigate those safety issues. This study provides concept design plans and cost estimates for projects that are most likely to be competitive for receiving HSIP grant funds.

In November 2017, the City awarded a contract to Albert Grover & Associates (AGA) for preparation of the SSARP. Upon completion of the SSARP by AGA, Staff applied to the HSIP Cycle 9 program for various traffic safety upgrades at five (5) major intersections throughout the City. On December 20, 2018, the City received a letter from Caltrans confirming award of a Federal HSIP grant in the amount of $1,284,000. The City’s project has now been programmed in the 2019 Federal Statewide Transportation Improvement Plan (FSTIP) allocating these funds to the City’s project.

On February 28, 2019, Staff issued an RFP for engineering design services for this grant-funded project. On April 18, 2019, the City received three (3) competitive proposals from qualified traffic engineering firms for engineering design services. Staff conducted a thorough review of the three proposals received and scored them in accordance with the scoring criteria in the RFP. Based upon two firms’ (KOA Corporation and Albert Grover & Associates) traffic safety expertise, experience, and approach to the project, they were selected for further evaluation with formal interviews.

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<tr>
<th>CONSULTANT</th>
<th>RFP SCORE</th>
<th>RANKING</th>
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<tbody>
<tr>
<td>KOA Corporation</td>
<td>188</td>
<td>1</td>
</tr>
<tr>
<td>Albert Grover &amp; Associates</td>
<td>187</td>
<td>2</td>
</tr>
<tr>
<td>Infrastructure Engineers</td>
<td>134</td>
<td>3</td>
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</table>

After conducting interviews with the top two ranked firms and calculating the total scores from both the proposals and the interviews, KOA Corporation ranked first based upon their overall experience and expertise with similar projects and their understanding of the scope of work and approach to the City’s project. In addition, KOA Corporation has successfully performed similar traffic engineering design work for the City of Placentia in the past by preparing the Citywide Traffic Impact Study for the updated Mobility Element and City’s General Plan. KOA also provides construction management and inspection services for various City capital improvement projects. This agreement with KOA Corporation will provide the necessary engineering design services in support of the City’s implementation of the HSIP Cycle 9 projects.
The scope of services includes a wide range of services including traffic engineering, survey and site evaluation, utility coordination, environmental clearance, funding assistance, engineered plans and specifications, and cost estimating. In addition, the scope of services also includes preparation of a complete bid package, and engineering support during the construction phase of the project. The following is a brief outline of the proposed safety improvements at each intersection:

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<tr>
<th>NO.</th>
<th>LOCATION</th>
<th>SCOPE OF WORK SUMMARY</th>
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| 1   | Bastanchury Road & Valencia Avenue            | • Install protected left-turn phasing (north/south) on Valencia Avenue using new poles and mast arms  
       |                                               | • Upgrade 8" signal lenses to 12"                                                      
       |                                               | • Internally Illuminated Street Name Signs (IISNS)                                     
       |                                               | • Video detection                                                                     
       |                                               | • LED Intersection Safety Light Upgrades                                            
       |                                               | • Miscellaneous concrete work                                                        |
| 2   | Yorba Linda Boulevard & Kraemer Boulevard     | • Install additional vehicle heads for all approaches due to third thru lane on new poles  
       |                                               | • Upgrade 8" signal lenses to 12"                                                     
       |                                               | • LED Intersection Safety Light Upgrades                                            
       |                                               | • Miscellaneous concrete work                                                        |
| 3   | Yorba Linda Boulevard & Palm Drive            | • Install protected left-turn phasing (westbound) on Yorba Linda Boulevard using new poles and mast arms  
       |                                               | • Remove or relocate north/south crosswalk across Yorba Linda Boulevard               
       |                                               | • Narrow existing pork-chop island in southwest quadrant                             
       |                                               | • Stripe a third westbound through lane on Yorba Linda Boulevard on the westbound approach |
       |                                               | • Remove median street lights and add intersection safety lighting                  
       |                                               | • Modify medians on Yorba Linda Blvd.                                                
       |                                               | • Install additional signage                                                        
       |                                               | • Upgrade 8" signal lenses to 12"                                                     
       |                                               | • New ADA-compliant wheelchair ramps                                                
       |                                               | • Video detection                                                                    
       |                                               | • LED Intersection Safety Light Upgrades                                            
       |                                               | • Miscellaneous concrete work                                                        |
| 4   | Kraemer Boulevard & Madison Avenue            | • Install protected left-turn phasing (north/south) on Kraemer Boulevard using new poles and mast arms  
       |                                               | • Relocate video detection                                                           
       |                                               | • Miscellaneous concrete work                                                        |
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<tr>
<th>5</th>
<th>Chapman Avenue &amp; Bradford Avenue</th>
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<tbody>
<tr>
<td></td>
<td>• Install protected left-turn phasing (north/south) on Bradford Avenue using new poles and mast arms</td>
</tr>
<tr>
<td></td>
<td>• Upgrade 8” signal lenses to 12”</td>
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<td>• Video detection</td>
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<td></td>
<td>• LED Intersection Safety Light Upgrades</td>
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<td>• Miscellaneous concrete work</td>
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FISCAL IMPACT:

The total cost for the professional engineering services amounts to $132,445. A total of $1,284,000 in Federal HSIP grant funds has been budgeted in the Fiscal Year 2019-20 Capital Improvement Program Budget to cover the engineering, design, construction, and construction management services for this project. As such, sufficient funds exist for the recommended actions. No General Fund dollars will be used on this project and no matching grant amount is required of the City.

Prepared by:

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City Engineer

Reviewed and approved:

Luis Estevez
Director of Public Works

Reviewed and approved:

Kim Krause
Director of Finance

Reviewed and approved:

Damien R. Arrula
City Administrator

Attachment:
Professional Services Agreement with KOA Corporation