JANUARY 19, 2022 BOARD MEETING AGENDA ITEMS
#4 AND #5 - REQUEST FOR QUALIFICATIONS FOR DESIGN SERVICES FOR MERCED TO MADERA PROJECT, AND FRESNO TO BAKERSFIELD LOCALLY GENERATED ALTERNATIVE (LGA) PROJECT

Christine Inouye
Chief Engineer of Strategic Delivery
January 19, 2022
Item for Consideration

• Provide approval to release two Request for Qualifications (RFQ) for Design Services for the following project sections:
  1) Merced to Madera
  2) Fresno to Bakersfield Locally-Generated Alternative

• Provide architectural and engineering consultant services to progress design to configuration footprint (minimum 30% design), value engineering, cost refinements, travel time enhancements, right-of-way mapping, and utility relocation requirements
Merced to Madera

- Total length is approximately 33.9 miles
- Located within the counties of Merced in the north and Madera in the south
- Begins at R Street in Downtown Merced and concludes at Avenue 19 in Madera
- Includes 40 structures with three long viaducts, 29.9 miles of embankment
Fresno to Bakersfield Locally Generated Alternative

• Total length is approximately 18.5 miles
• Located in Kern County within Cities of Shafter and Bakersfield
• Begins at Southern Limit of CP4 at Poplar Avenue in Shafter and ends at the Bakersfield HSR Station at F Street
• Includes 31 structures with two long viaducts, 12 miles of embankment
## Notice to Proceed

<table>
<thead>
<tr>
<th>Scope of work</th>
<th>Merced to Madera</th>
<th>Fresno to Bakersfield LGA</th>
</tr>
</thead>
</table>
| **NTP 1**  
stage 3      | configured footprint  
design, value  
engineering, refined  
costs, schedule, risk,  
study travel time  
enhancements | Martin Luther King Jr.  
Way in Merced to  
Madera | Poplar Avenue to  
Bakersfield |
| **NTP 2**  
stage 4      | Final design and ready  
for construction  
documents | R Street in Merced to  
Madera | Poplar Avenue to  
Bakersfield |
| **NTP 3**  
stage 3      | Same as NTP 1 | R Street to Martin  
Luther King Jr. Way in  
Merced | N/A |
Scope of Work for Notice to Proceed 1 & 3, stage 3 configured footprint

- Establish project configuration footprint (progress design to minimum 30%)
- Value engineering
- Refine project cost to Class 3 estimate
- Study travel time enhancements
- Update project risk assessment and schedule
- Right-of-Way mapping
- Identify utility conflicts/relocations
- Develop Third-Party agreements including those with railroads, local jurisdictions, and utilities
DESIGN SERVICES CONTRACTS

FINAL DESIGN

Scope of Work for Notice to Proceed 2, stage 4 final design

• Prepare final design and ready for construction documents
• Prepare constructability and stage construction plans
• Study travel time enhancements
• Update project risk assessment and schedule
• Begin securing environmental permits from federal and state agencies

Right of way acquisition and utility relocations can begin late in stage 3 or by stage 4
## Contract Term and Amount – Merced to Madera

<table>
<thead>
<tr>
<th>Scope of work</th>
<th>Contract term</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTP 1 configured footprint design, value engineering, refined costs, schedule, risk, study travel time enhancements</td>
<td>2 years, 3 months</td>
<td>$41.0 million</td>
</tr>
<tr>
<td>NTP 2 Final design and ready for construction documents</td>
<td>2 years, some work to be done concurrently with NTP 1</td>
<td>$103.4 million</td>
</tr>
<tr>
<td>NTP 3 Same as NTP 1</td>
<td>Work to be done concurrently</td>
<td>$6.8 million</td>
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Current request is consistent with Expenditure Authorization approved by the Board in December 2021.
# DESIGN SERVICES CONTRACTS
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

## Cost and Term – Fresno to Bakersfield

<table>
<thead>
<tr>
<th>Scope of work</th>
<th>Contract term</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTP 1</td>
<td>2 years, 3 months</td>
<td>$44.9 million</td>
</tr>
<tr>
<td>configured footprint design, value engineering, refined costs, schedule, risk, study travel time enhancements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NTP 2</td>
<td>2 years, some work to be done concurrently with NTP 1</td>
<td>$72.0 million</td>
</tr>
<tr>
<td>Final design and ready for construction documents</td>
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</tbody>
</table>

Current request is consistent with Expenditure Authorization approved by the Board in December 2021.
Evaluation and Performance

• This is a qualifications-based procurement. The actual contract amount will be negotiated, and a recommendation presented to the Board for consideration to award.

• The contract includes provisions for a performance-based fee structure. Details of performance criteria to be developed as part of annual work plan process.

  » The performance-based fee range is limited to between 8% to 11% based on performance, quality, cost, schedule, and other factors.

• The Authority will evaluate teams for the full scope of work but intends to only fund and execute NTP 1 at this time.

• Pre-bid audits will be conducted concurrently with negotiations prior to execution.
Evaluation and Performance

- Environmental, social, and governance (ESG) efforts, which may include any environmental sustainability efforts, socio-economic equity policies, and governance policies, will be incorporated as a pass/fail requirement in the Request for Qualifications
  
  » Offerors shall provide information on their ESG efforts which may include any efforts, policies, or reports

- Small business, Disadvantaged Business Enterprise (DBE), and Disabled Veteran Business Enterprise (DVBE) utilization goals are also included in the requirements
  
  » 30% Small Business utilization goal, inclusive of 10% DBE utilization goal, and 3% DVBE utilization goal
# Key RFQ Procurement Dates

<table>
<thead>
<tr>
<th>Activity</th>
<th>Merced to Madera</th>
<th>Fresno to Bakersfield LGA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Board Meeting</td>
<td>January 19, 2022</td>
<td>January 19, 2022</td>
</tr>
<tr>
<td>RFQ Release Date / Advertisement</td>
<td>January 19, 2022 or thereafter</td>
<td>January 19, 2022 or thereafter</td>
</tr>
<tr>
<td>Pre-Bid Meeting / Small Business Outreach</td>
<td>February 11, 2022</td>
<td>February 11, 2022</td>
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<tr>
<td>SOQs Due</td>
<td>March 22, 2022</td>
<td>March 29, 2022</td>
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<tr>
<td>Board Meeting</td>
<td>June 16, 2022</td>
<td>June 16, 2022</td>
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<tr>
<td>Contract Execution / NTP Issuance</td>
<td>June 2022</td>
<td>June 2022</td>
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</tbody>
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NEW A&E CONTRACT FOR DESIGN SERVICES
CALIFORNIA HIGH-SPEED RAIL