

**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**



DESIGN SERVICES CONTRACT

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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

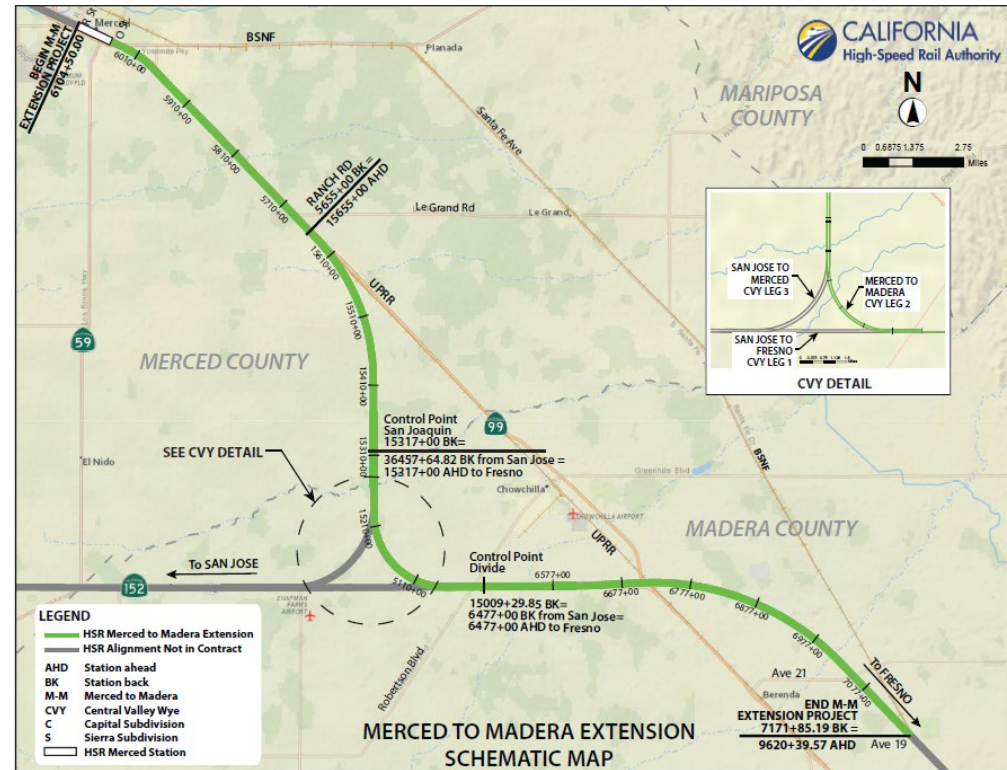


MERCED TO MADERA

PROJECT SECTION OVERVIEW

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

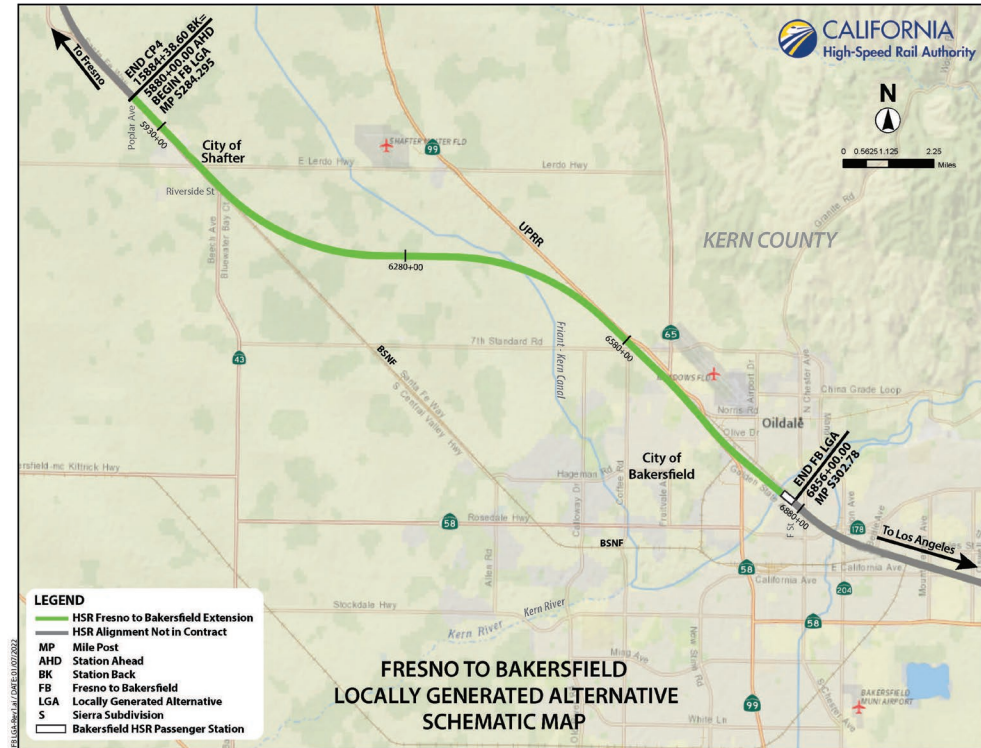


LOCALLY GENERATED ALTERNATIVE

PROJECT SECTION OVERVIEW

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



DESIGN SERVICES CONTRACTS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

Notice to Proceed

	Scope of work	Merced to Madera	Fresno to Bakersfield LGA
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



DESIGN SERVICES CONTRACTS

CONFIGURATION FOOTPRINT DESIGN

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



DESIGN SERVICES CONTRACTS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

Contract Term and Amount – Merced to Madera

	Scope of work	Contract term	Amount
NTP 1	configured footprint design, value engineering, refined costs, schedule, risk, study travel time enhancements	2 years, 3 months	\$41.0 million
NTP 2	Final design and ready for construction documents	2 years, some work to be done concurrently with NTP 1	\$103.4 million
NTP 3	Same as NTP 1	Work to be done concurrently	\$6.8 million

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

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

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



DESIGN SERVICES CONTRACTS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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.



DESIGN SERVICES CONTRACTS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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



DESIGN SERVICES CONTRACTS

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

Key RFQ Procurement Dates

Activity	Merced to Madera	Fresno to Bakersfield LGA
Board Meeting	January 19, 2022	January 19, 2022
RFQ Release Date / Advertisement	January 19, 2022 or thereafter	January 19, 2022 or thereafter
Pre-Bid Meeting / Small Business Outreach	February 11, 2022	February 11, 2022
SOQs Due	March 22, 2022	March 29, 2022
Board Meeting	June 16, 2022	June 16, 2022
Contract Execution / NTP Issuance	June 2022	June 2022



NEW A&E CONTRACT FOR DESIGN SERVICES

CALIFORNIA HIGH-SPEED RAIL



Headquarters

California High-Speed Rail Authority

770 L Street, Suite 800

Sacramento, CA 95814

www.hsr.ca.gov

