

**FEBRUARY 17, 2022, BOARD MEETING AGENDA ITEMS
#4 AND #5 - REQUEST FOR QUALIFICATIONS FOR
DESIGN FOR MERCED TO MADERA (M-M) PROJECT,
AND
FRESNO TO BAKERSFIELD LOCALLY GENERATED
ALTERNATIVE (LGA) PROJECT**

Christine Inouye
Chief Engineer of Strategic Delivery
February 17, 2022



DESIGN SERVICES CONTRACT

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

Items for Consideration

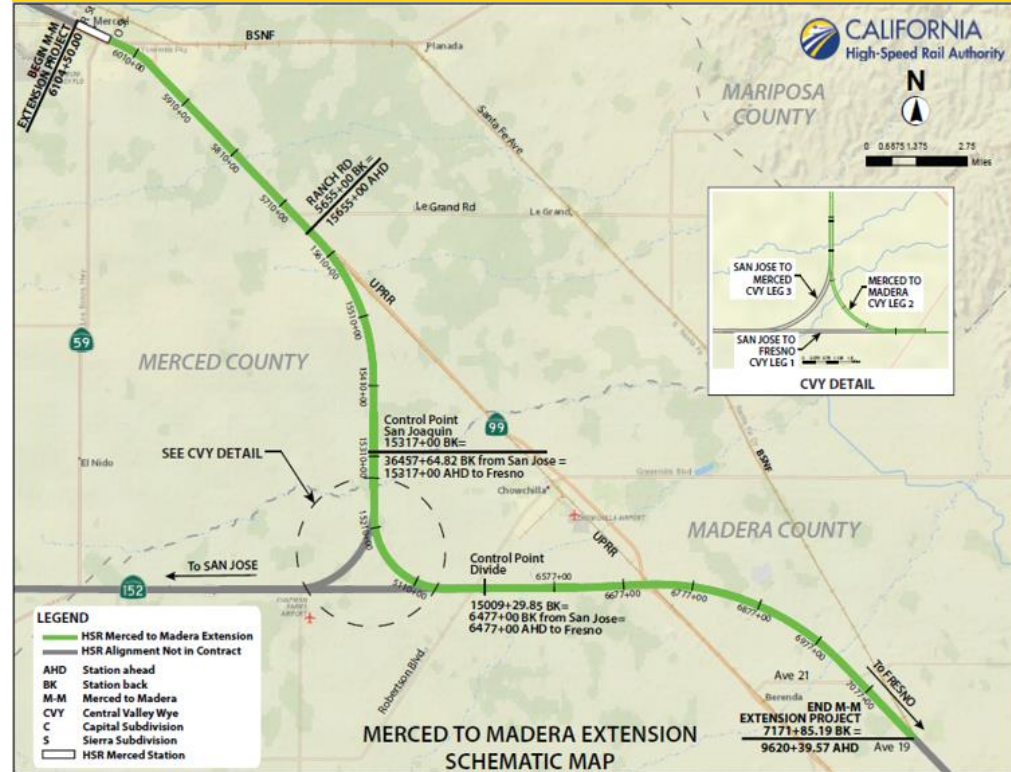
- Provide approval to release two Request for Qualifications (RFQ) for Design Services for the following project sections:
 1. Merced to Madera
 2. Fresno to Bakersfield Locally-Generated Alternative
- These RFQs would result in architectural and engineering consultant services to progress design to 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 (M-M)**
 - » 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

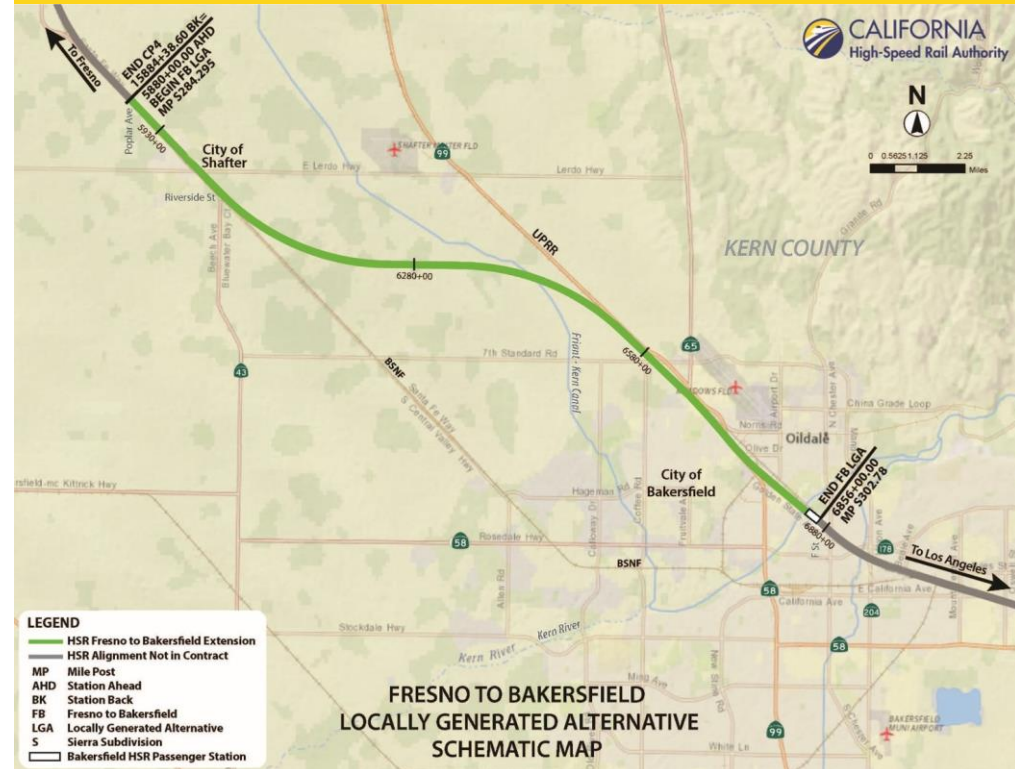


LOCALLY GENERATED ALTERNATIVE

PROJECT SECTION OVERVIEW

• Fresno to Bakersfield Locally Generated Alternative (LGA)

- » Total length is approximately 18.5 miles
- » Located in Kern County within Cities of Shafter and Bakersfield
- » Begins at southern limit of CP 4 at Poplar Avenue in Shafter and ends at the Bakersfield Station at F Street
- » Includes 31 structures with two long viaducts, 12 miles of embankment



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NTP-1

NTP-3 (OPTION)

**Advance design
to configuration
footprint**

- » M-M (NTP-1) – Martin Luther King Jr. Way in Merced to Madera
- » M-M (NTP-3) – R Street to Martin Luther King Jr. Way in Merced
- » LGA (NTP-1) – Poplar Avenue to Bakersfield

Notices to Proceed 1 and 3 advance design in stage 3



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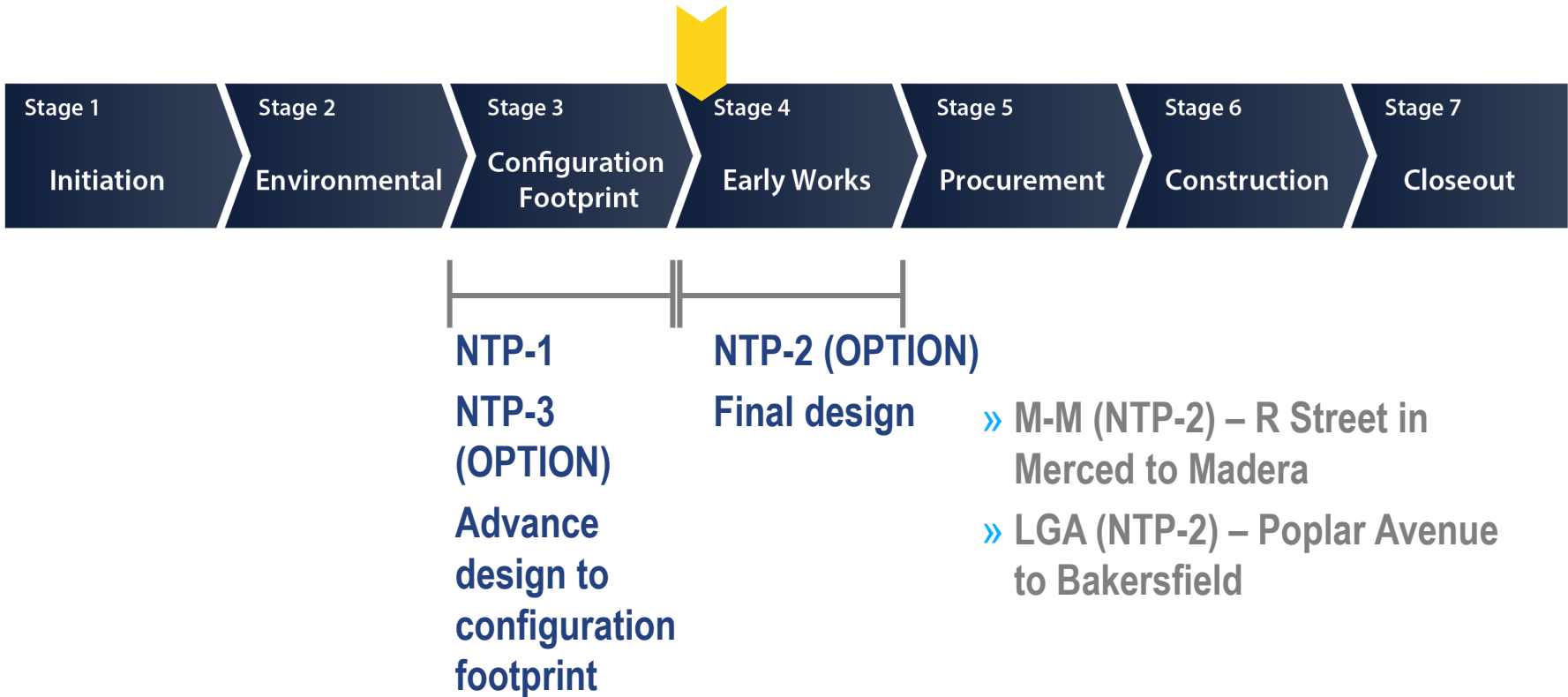
- **Scope of Work for Notices to Proceed 1 and 3, stage 3 configuration footprint**

- » Establish project configuration footprint (progress design to minimum 30%)
- » Value engineering
- » Refine project cost
- » 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



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NTP-2 provides options to complete design in stage 4

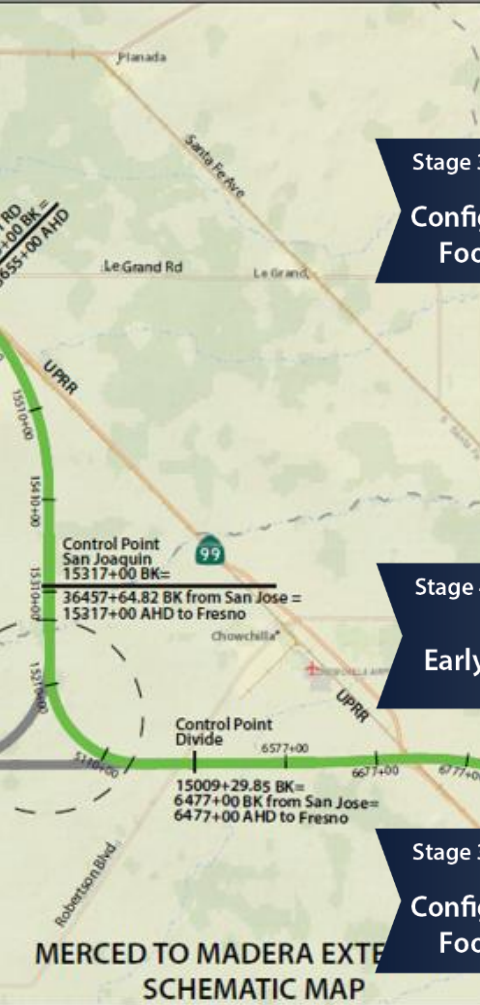


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- **Scope of Work for Notice to Proceed 2, stage 4 final design**
 - » Prepare final design and construction ready documents
 - » Prepare construction staging plans and review for constructability
 - » Study travel time enhancements
 - » Update project risk assessment and schedule
 - » Begin securing environmental permits from federal and state agencies
- **Right of way acquisition and utility relocations (to be done by the Authority and others) can begin late in stage 3 or by stage 4**





Stage 3
Configuration
Footprint

Stage 4
Early Works

Stage 3
Configuration
Footprint

NTP-1 - configuration footprint design, value engineering, refined costs, schedule, risk, study travel time enhancements

2 years, 3 months, \$41.0 million

Consistent with the Expenditure Authorization approved by the Board in December 2021

NTP-2 (OPTION) - At the sole discretion of the Authority, final design and construction ready documents

2 years, some work to be done concurrently, \$103.4 million

NTP-3 (OPTION) - At the sole discretion of the Authority, configuration footprint design, value engineering, refined costs, schedule, risk, study travel time enhancement from R Street to Martin Luther King Jr. Way

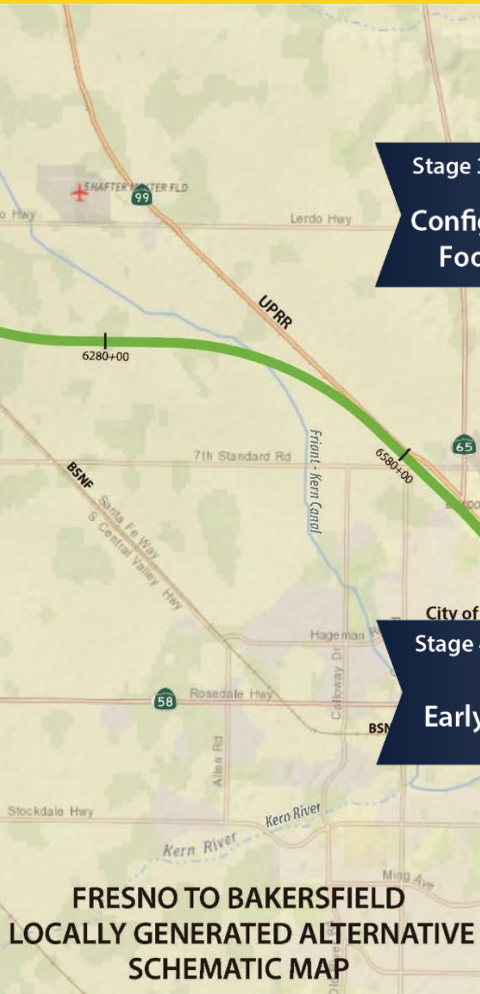
Work to be done concurrently, \$6.8 million



FRESNO TO BAKERSFIELD LGA

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FRESNO TO BAKERSFIELD LGA



NTP-1 - configuration footprint design, value engineering, refined costs, schedule, risk, study travel time enhancements

2 years, 3 months, \$44.9 million

Consistent with the Expenditure Authorization approved by the Board in December 2021

NTP-2 (OPTION) - At the sole discretion of the Authority, final design and construction ready documents

2 years, some work to be done concurrently, \$72.0 million



DESIGN SERVICES CONTRACTS

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- **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-award audits will be conducted concurrently with negotiations prior to execution.



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- **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



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Activity	Merced to Madera	Fresno to Bakersfield LGA
Board Meeting	February 17, 2022	February 17, 2022
RFQ Release Date	February 18, 2022 or thereafter	February 18, 2022 or thereafter
Pre-Bid Conference and Small Business Information Workshop	March 2, 2022	March 2, 2022
SOQs Due	April 19, 2022	April 27, 2022
Anticipated Notice of Proposed Award Released	May 2022	May 2022
Board Meeting	July 21, 2022	July 21, 2022
Contract Execution / NTP Issuance	July 2022	July 2022

Key RFQ Procurement Dates

DESIGN SERVICES CONTRACTS

CALIFORNIA HIGH-SPEED RAIL



Headquarters

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