

# CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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Chief of Rail Operations

December 10, 2019 Board Meeting

Track & Systems RFQ/RFP



# AGENDA

## TRACK & SYSTEMS (T&S)

- **Intro**
- **Request for Qualifications (RFQ) Results and Recommendations**
- **Shortlisted Offerors**
- **Request for Proposal (RFP) Scope**
- **RFP Budget**
- **RFP Evaluation Criteria**
- **RFP Key Dates**
- **Questions**



# RFQ – RESULTS AND RECOMMENDATION

## TRACK & SYSTEMS

- **Track & Systems RFQ was released on July 17, 2019**
- **Three responses received on November 4, 2019**
- **Authority completed evaluations on November 22, 2019**
- **The Authority's evaluation team found all Statement of Qualifications (SOQ's) fully responsive**
- **The Authority recommends the following Offerors be shortlisted and invited to submit proposals to the Authority's T&S RFP**
  1. Bombardier-Salcef-Weitz Consortium
  2. California High-Speed Rail Constructors
    - Balfour Beatty, Fluor Enterprises
  3. H-A-C Rail Partners
    - Hitachi – Acciona – Copasa



# BOMBARDIER-SALCEF-WEITZ

BOMARDIER – SALCEF - WEITZ

- **International firms with Public Private Partnership (P-3) and Design-Build-Maintain (DBM) rail experience**

- » South Africa Higher-Speed Commuter

- » China HSR

- » Korea Higher-Speed Commuter

- » Italy HSR

- » U.S.A

- DBM; People Movers; Phoenix, AZ



# CALIFORNIA HIGH-SPEED RAIL CONSTRUCTORS

BALFOUR BEATTY – FLUOR

- **International firms with Public Private Partnership (P-3) and Design-Build-Maintain (DBM) rail experience**

- » Netherlands HSR P-3

- » Germany, DB Electrification; HSR

- » USA:

- DB; Caltrain Electrification

- DB; Amtrak High-Speed Rail electrification (Boston – New Haven)

- Denver Eagle P-3 (Commuter)



- **International firms with Public Private Partnership (P-3) and Design-Build-Maintain (DBM) rail experience**

- » Spain HSR

- » Saudi Arabia HSR; DBM

- » Italy HSR; DBM

- » France HSR; P-3, DBM

- » Belgium HSR

- » UK HSR

- » U.S.A.

- PTC Projects; SEPTA, MBTA, LIRR, NJT

- Honolulu Rail Transit



# SHORTLISTED OFFERORS – SUMMARY

## TRACK & SYSTEMS

- **All three offerors:**

- » Experience and presence in the U.S., including California
- » Experience ranging from large-scale international high-speed rail projects to people-mover projects
- » Design, construction, and long-term maintenance experience
- » Financed and participated in P-3 Projects



# RFP – SCOPE

## TRACK & SYSTEMS

- **The contract delivery method will be a Design/Build/Maintain (DBM)**
- **The contract will use performance-based criteria**
- **Includes all Track and System requirements for a complete HSR infrastructure from San Jose to Bakersfield, to operate at 220mph**





# RFP – SCOPE

## TRACK & SYSTEMS

- **Includes five Notice-to-Proceeds (NTP's) – divided by geographic regions from Bakersfield to San Jose**
  - » NTP-1: Madera to Poplar
  - » NTP-2: Poplar to Bakersfield
  - » NTP-3: Madera to Merced
  - » NTP-4: Central Valley Wye to Gilroy
  - » NTP-5: Gilroy to San Jose



# RFP – BUDGET

## TRACK & SYSTEMS

- **The budget for this procurement only includes the authorization for NTP 1 from Madera to Poplar.**
- **Estimated value of NTP-1 is \$1.6B which includes:**
  - » Installation of two mainline tracks by July 2022, meeting Federal Grant requirements
  - » Installation and testing of all systems required for high-speed rail operations as identified in the 2019 Project Update Report
- **This budget has been approved as part of the Baseline for Madera to Poplar (\$15.6B)**
- **There will be a \$2M stipend for each fully responsive/unsuccessful Proposal from shortlisted Proposers**



# RFP – EVALUATION CRITERIA

## TRACK & SYSTEMS

- **Based on 50% price and 50% technical**
- **Price includes capital delivery costs and maintenance costs**
  - » Maintenance costs based on 30-year service schedule presented in Net Present Value
  - » Capital and Service costs will be presented on a schedule of values, based on project elements and listed on a per-mile basis
- **Technical evaluations will be based on RAMS criteria, Life-Cycle, Systems Integration, achieving Safety and Operation Certification, and Management Plan**
- **Small Business requirements will be scored at 5% of the total Proposal score (i.e., 10% of technical score)**



# RFP – KEY DATES

## TRACK & SYSTEMS

**Staff requests Board approval to release the T&S RFP**

- **Release RFP to the shortlisted firms:** **Mid-December**
- **Industry Forum (Fresno, CA):** **January 2020**
- **Proposals Due:** **June 30, 2020**
- **NTP-1 Board Approval:** **September 2020**



# TRACK & SYSTEMS RFQ / RFP

## CALIFORNIA HIGH-SPEED RAIL



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