

Memorandum

To: CHAIR AND COMMISSIONERS

CTC Meeting: March 5, 2013

Reference No.: 4.14
Action

From: BIMLA G. RHINEHART
Executive Director

Subject: **DESIGN-BUILD DEMONSTRATION PROGRAM – REQUEST FOR PROJECT AUTHORIZATION: SBd-15 Cajon Pass Rehabilitation Project and Yol/Sac-50 & Sac-5 Rehabilitate Viaduct Bridge Decks Project**

ISSUE: Should the California Transportation Commission (Commission) authorize the SBd-15 Cajon Pass Rehabilitation and the Yol/Sac-50 & Sac-5 Rehabilitate Viaduct Bridge Decks Projects for the design-build method of procurement?

RECOMMENDATION: Staff recommends that the Commission authorize the projects for the design-build method of procurement for the last two of the ten state slots and allow contract award on the lowest responsible bid basis.

BACKGROUND: The Design-Build Demonstration Program was established in Chapter 6.5 (commencing with Section 6800) of Part 1 of Division 2 of the Public Contract Code, as added by Chapter 2 of the Statutes of 2009 (Senate Bill 4, Second Extraordinary Session). The Design-Build Demonstration Program provides for the use of the design-build method of procurement by local transportation entities for up to five projects that may be for local street or road, bridge, tunnel, or public transit projects within the jurisdiction of the entity and by the Department of Transportation (Caltrans) for up to ten state highway, bridge, or tunnel projects, subject to authorization by the Commission. The Commission shall also determine whether a transportation entity may award a design-build method of procurement contract based on lowest responsible bid or best value.

Eligibility for the design-build method of procurement is limited to projects the Commission programmed for funding under the State Transportation Improvement Program (STIP), the State Highway Operation and Protection Program (SHOPP), the Traffic Congestion Relief Program (TCRP), or one of the programs designated under Proposition 1B of 2006.

The Commission received a request for design-build procurement authorization from Caltrans for the SBd-15 Cajon Pass Rehabilitation and the Yol/Sac-50 & Sac-5 Rehabilitate Viaduct Bridge Decks Projects. The projects are state transportation projects slated for implementation on the state highway system. The projects are excellent design-build procurement candidates that have the potential for achieving enhanced constructability and improved delivery efficiency. The projects meets the Commission's criteria for approval adopted September 9, 2009.

Attachments

- Resolution G-13-02

Project Authorizations under the Design-Build Demonstration Program

Resolution G-13-02

- 1.1. WHEREAS the Design-Build Demonstration Program was established in Chapter 6.5 (commencing with Section 6800) of Part 1 of Division 2 of the Public Contract Code, as added by Chapter 2 of the Statutes of 2009 (Senate Bill 4, Second Extraordinary Session), and
- 1.2. WHEREAS subject to the limitations of Chapter 6.5, a local transportation entity, if authorized by the California Transportation Commission, may utilize the design-build method of procurement for up to five projects that may be for local street or road, bridge, tunnel, or public transit projects within the jurisdiction of the entity, and
- 1.3. WHEREAS subject to the limitations of Chapter 6.5, the Department of Transportation (Department), if authorized by the Commission, may utilize the design-build method of procurement for up to 10 state highway, bridge, or tunnel projects, and
- 1.4. WHEREAS projects authorized by the Commission shall vary in size, type, and geographical location, and
- 1.5. WHEREAS the commission determines whether a transportation entity may award a design-build contract based on lowest responsible bid or best value, and
- 1.6. WHEREAS the Commission has adopted policy guidance for project authorizations under the demonstration program on September 9, 2009, and
- 1.7. WHEREAS the Commission has stated its intent to authorize projects with reference to a project authorization request submitted by a local transportation entity or the Department, and such authorization will include the project scope, whether a contract can be awarded based on lowest responsible bid or best value, and an expiration date by when a design-build contract must be executed,
- 2.1. NOW THEREFORE BE IT RESOLVED that the Commission hereby authorizes the projects in the attached for design-build procurement by the Department for the last two of the ten state slots, and
- 2.2. BE IT FURTHER RESOLVED that the project scope, the contract award method, and planned schedule for contract award is included in the list, and
- 2.3. BE IT FURTHER RESOLVED that authorized projects must have an executed design-build contract within 18 months of the date of this resolution, and
- 2.4. BE IT FURTHER RESOLVED that pursuant to Chapter 6.5 and not later than June 30 of each year after the design-build contract is awarded, the awarding transportation entity shall submit a progress report to the Commission.

DESIGN-BUILD AUTHORIZATION STATE REQUEST

Project	SBd-15 Cajon Pass Rehabilitation	Yol/Sac-50 & Sac-5 Rehabilitate Viaduct Bridge Decks
Criteria		
Meets Statutory Requirements	Yes	Yes
Fully Funded	Yes	Yes
Awardable prior to Jan 1, 2014	Yes	Yes
Low Bid/Best Value	Low Bid	Low Bid
Size (\$million)	\$20 to \$200	\$20 to \$200
Geographical Location	South	North
State/Local	State	State
Project Scope	Repair existing PCCP by replacing 2 outer lanes & AC shoulders with 40-year rigid pavement and random slab replacement of the inside lanes	Rehabilitate bridge decks with polyester or polymer concrete overlay and replace all bridge deck joint seals
Project Cost	\$172.9 M	\$58.0 M
Project Schedule		
Environmental Document	1/2013 CE	3/2013 CE
R/W Certification base line	Aug-2015	Aug-2015
R/W Certification design-build	Oct-2013	Oct-2013
Contract Award base line	Feb-2016	Mar-2016
Contract Award design-build	Nov-2013	Nov-2013
Contract Acceptance base line	Aug-2017	Nov-2017
Contract Acceptance design-build	Dec-2015	Jun-2016
Design-Build Benefits (claimed)		
Schedule Acceleration	19 months	16 months
Innovation	Enhanced constructability	Enhanced constructability
CTC Staff Recommendation	Authorize	Authorize
	may achieve enhanced constructability & improved efficiency through design-build.	may achieve enhanced constructability & improved efficiency through design-build.