

**Metro**

Los Angeles County
Metropolitan Transportation Authority

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**CONSTRUCTION COMMITTEE
JANUARY 17, 2013**

SUBJECT: WESTSIDE SUBWAY EXTENSION PROJECT

**ACTION: AUTHORIZE THE CHIEF EXECUTIVE OFFICER (CEO)
TO EXECUTE CONTRACT MODIFICATIONS**

RECOMMENDATIONS

- A. Authorize the CEO to negotiate and execute a Contract Modification No. 41 to Contract No. PS43502000 with Parsons Brinckerhoff (PB) Inc. to provide engineering support services during the solicitation process, design for relocation of utilities, design support services during construction and continued Advanced Preliminary Engineering for Section 1 of the Westside Subway Extension Project, in an amount not to exceed \$18,845,160, increasing the total contract value from \$90,107,773 to \$108,952,933;
- B. Authorize the CEO to negotiate and execute a Contract Modification No. 42 with Parsons Brinckerhoff (PB) Inc. for a single source award to perform Final Design Services for Division 20 Yard Modifications to support the turn-back and other modifications to the existing Yard and Shop facilities for the extension of the Metro Purple Line, in an amount not to exceed \$2,803,946, increasing the total contract value from \$108,952,933 to \$111,756,879;
- C. Authorize the CEO to establish Project 865522 Westside Subway Extension Section 2 to Century City using CP 865518 FY13 unused funds to date; and authorize the CEO to negotiate and execute a Contract Modification No. 43 to Contract No. PS43502000 with Parsons Brinckerhoff (PB) Inc. to provide continued Advanced Preliminary Engineering for Section 2 of the Westside Subway Extension Project, in an amount not to exceed \$8,879,740, increasing the total contract value from \$111,756,879 to \$120,636,619; and
- D. Authorize the CEO to establish Project 865523 Westside Subway Extension Section 3 to Westwood/VA Hospital using CP 865518 FY13 unused funds to date; and authorize the CEO to negotiate and execute a Contract Modification

No. 44 to Contract No. PS43502000 with Parsons Brinkerhoff (PB) Inc. to provide continued Advanced Preliminary Engineering for Section 3 of the Westside Subway Extension Project, in an amount not to exceed \$7,256,823, increasing the total contract value from \$120,636,619 to \$127,893,442 to include both Recommendations C and D.

ISSUE

The Board approved the Project Definition for the nine-mile Westside Subway Extension Project on April 26, 2012. LACMTA received a Record of Decision from the Federal Transit Administration (FTA) on August 9, 2012. PB performed Preliminary Engineering for the entire nine-mile project, has been providing engineering services to support our efforts in obtaining FTA approvals towards a Full Funding Grant Agreement (FFGA) and advancing the Preliminary Engineering to begin the Design/Build solicitation for the first Section (3.9 miles from Wilshire/Western to Wilshire/La Cienega) of the Project.

The PB team is co-located with MTA staff in the Integrated Project Management Office. Execution of the recommended contract modification will: 1) Provide continuity of engineering services to support the activities necessary to obtain FTA approvals towards receiving the FFGA; 2) engineering support services during the solicitation process; 3) provide engineering services for the early utility relocations and construction; 4) perform final design for modifications to the existing Division 20 Yard and Maintenance of Way facilities in a manner that is consistent with prior Board direction to make Division 20 yard modifications that do not preclude future revenue operations at this site.; and, 5) advanced preliminary engineering services to continue planning of construction and third party coordination with the City, County, State, utility companies and major stakeholders/property owners.

In addition, Recommendations C and D will provide continuity of engineering services to complete Advanced Preliminary Engineering for Section 2 (2.62 miles from Wilshire/La Cienega to Century City) and Section 3 (2.48 miles from Century City to Westwood/VA Hospital) of the Westside Subway Extension Project, and reduce the risk of losing key engineering consultant staff that will be required to complete the Design/Build solicitation packages to be ready for advertisement when funding sources become available for the entire nine-mile Project.

The recommended Board action will provide sufficient contract funding for PB services through June 2014. Future work will be funded on a year-to-year basis. This approach will result in more accurate budgeting for each year, while providing better control over consultant services.

DETERMINATION OF SAFETY IMPACT

This Board action will not have an impact on established safety standards for Metro's construction projects.

FINANCIAL IMPACT

Funds are included in the FY13 budget for this action under Project 865518 – Westside Subway Extension Project (to Westwood/VA Hospital) in Cost Center 8510 (Construction Project Management), and Account Number 50316 (Professional and Technical Services). Upon approval of these actions, the unused funds will be moved from Project 865518 to Projects 865522 and 865523 for the amounts required to fund the actions and proceed with continued respective project efforts. No additional funds will be required in FY13 to enact all three projects. Since this is a multi-year project, the Executive Director of Transit Project Delivery and the Project Manager will be responsible for budgeting costs in future years.

Impact to Budget

The sources of funds for the actions under Recommendations A and B are Federal 5309 New Starts and Measure R (Cash). The sources of funds for the actions under Recommendations C and D are Measure R (Cash) and unused funds originally planned for Westside Subway Extension Project 865518. The approved FY13 budget is designated for the Westside Subway Extension Project to Westwood/VA Hospital and do not have an impact to operations funding sources. These funds were assumed in the LRTP for the Westside Subway Extension Project. This Project is not eligible for Propositions A and C funding due to the proposed tunneling element of the project. Availability of Measure R funds resume in FY16 and continue through FY34. No other funds were considered.

ALTERNATIVES CONSIDERED

The Board could decide to not approve the recommended Contract Modifications. This is not recommended because there are major elements of engineering work that are required to support the FTA New Starts Project approval process towards obtaining an FFGA. The recommendation by staff will provide the continuity and reduce the risk of losing key engineering consultant staff that will be required when funding becomes available to solicit Design/Build contracts for the entire nine-mile project.

NEXT STEPS

After Board approval and execution of the Contract Modifications, staff will direct the Consultant to provide engineering support services during the solicitation process and to provide continuity of engineering support services to support our efforts in obtaining FTA approvals towards receiving an FFGA.

ATTACHMENTS

Attachment A – Procurement Summary

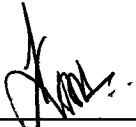
Attachment B – Contract Modification Authority (CMA) Summary

Prepared by: Dennis S. Mori, Executive Officer, Project Management (213-922-7238)

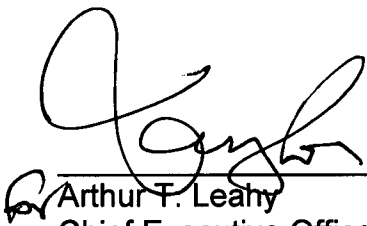
Rick Wilson, Director Project Control (213-922-7339)



Michelle Lopes Caldwell
Chief Administrative Services Officer



Krishniah N. Murthy
Executive Director, Transit Project Delivery



Arthur T. Leahy
Chief Executive Officer

PROCUREMENT SUMMARY
EXECUTE CONTRACT MODIFICATIONS

1.	Contract Number: PS43502000	
2.	Recommended Vendor: PB Americas	
3.	Type of Procurement: <input type="checkbox"/> IFB <input type="checkbox"/> RFP <input type="checkbox"/> RFP – A&E <input type="checkbox"/> Non-Competitive <input type="checkbox"/> Modification <input type="checkbox"/> Task Order	
4.	Procurement Dates:	
	A. Issued: N/A	
	B. Advertised/Publicized: N/A	
	C. Pre-proposal/Pre-Bid Conference: N/A	
	D. Proposals/Bids Due: N/A	
	E. Pre-Qualification Completed: N/A	
	F. Conflict of Interest Form Submitted to Ethics: 12/12/12	
	G. Protest Period End Date: N/A	
5.	Solicitations Picked up/Downloaded: N/A	Bids/Proposals Received: N/A
6.	Contract Administrator: Tim Clark	Telephone Number: (213) 922-7246
7.	Project Manager: Dennis Mori	Telephone Number: (213) 922-7328

A. Procurement Background

In June 2007 The Board authorized award of this Contract to PB for Alternative Analysis with three options for: Draft EIS/EIR/Advanced Conceptual Engineering, Final EIS/EIR, and Preliminary Engineering in the amount of \$3,654,061. In January 2009 the Board exercised the option for Draft EIS/EIR/Advanced Conceptual Engineering. In October 2010 the Board exercised options for Final EIS/EIR and Preliminary Engineering. In October 2011 the Board authorized PB to enter the next phase of work, Engineering Support during Final Design and/or Construction.

B. Evaluation of Proposals

The recommended not-to-exceed amount for these changes is in compliance with Metro Procurement Policies and Procedures.

C. Cost/Price Analysis

The final negotiated amount will comply with all requirements of Metro Procurement policies and procedures, including fact-finding, clarifications, cost analysis, technical evaluation, and negotiations to determine a fair and reasonable amount.

Item	Proposal Amount	Staff Estimate	Recommended Amount
A	\$18,845,160	\$18,500,000	\$18,845,160
B	\$2,803,946	\$3,400,000	\$2,803,946
C	\$8,879,740	\$9,354,878	\$8,879,740
D	\$7,256,823	\$7,645,122	\$7,256,823

D. Background on Recommended Contractor

Parsons Brinckerhoff, Inc. had its beginning over 120 years ago. William Barclay Parsons opened a Manhattan office in 1885 and was known as an ambitious engineer and worked on New York City's subway that was completed in 1904. In 1905 Henry M. Brinckerhoff, a pioneer highway engineer, brought his expertise in electric railways to the firm. Brinckerhoff is also known for his co-invention of the third rail, which revolutionized rapid transit. With solid experience in EIS/EIR management/preparation, preliminary engineering, and design support during construction PB, Inc. is also recognized by the transportation consulting industry for their ability to guide alternative analysis' (AA) to successful outcomes from start to completion. PB Inc. is involved in many of the projects in the New Starts pipeline.

PB was instrumental in the design of most of our lines including the preliminary engineering and final tunnel design for the Metro Gold Line Eastside Extension Project.

E. Small Business Participation

The Diversity and Economic Opportunity Department (DEOD) recommended a Disadvantaged Business Enterprise Anticipated Level of Participation (DALP) of 25% for this procurement. Parsons Brinckerhoff, Inc. proposed a 23.41% DALP commitment. The current DBE participation is 17.75%. Parsons Brinckerhoff has shown Good Faith Efforts by adding 23 DBE firms to perform on this project.

SMALL BUSINESS COMMITMENT	DALP 23.41%	SMALL BUSINESS PARTICIPATION	DALP 17.75%
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	DBE Subcontractor	Status	% Committed	Current Participation ¹
1.	Intueor	Performing	2.28%	1.43%
2.	Kal Krishnan Consulting	Performing	5.58%	1.65%

3.	LKG-CMC, Inc.	Performing	7.27%	1.29%
4.	Terry Hayes Associates	Performing	2.99%	0.50%
5.	Wagner Engineering and Survey, Inc.	Performing	5.29%	0.98%
6.	Atwell Consulting Group	Performing	Added	0.55%
7.	Advantec	Performing	Added	0.42%
8.	Barrio Planners, Inc.	Performing	Added	1.16%
9.	Cogstone Resources Management, Inc.	Performing	Added	0.23%
10.	Del Richardson & Associates	Performing	Added	0.08%
11.	Diana Ho	Performing	Added	0.02%
12.	D'Leon Consulting Engineers Corporation	Performing	Added	1.94%
13.	E. W. Moon	Performing	Added	0.27%
14.	Lenax Construction Services, Inc.	Performing	Added	0.68%
15.	RAW International	Performing	Added	1.91%
16.	Roy Willis & Associates	Performing	Added	0.02%
17.	W2 Design, Inc.	Performing	Added	0.28%
18.	Wiltec	Performing	Added	0.00%
19.	A Cone Zone	Performing	Added	1.12%
20.	C & L Drilling	Performing	Added	0.90%
21.	Jet Drilling	Performing	Added	0.47%
22.	Melendrez	Performing	Added	0.02%
23.	JAD & Associates	Performing	Added	0.39%
24.	Universal Reprographics	Performing	Added	0.32%
25.	FPA Underground	Performing	Added	0.33%
26.	Martini Drilling	Performing	Added	0.54%
27.	Advanced Technology Laboratories	Performing	Added	0.12%
28.	IDC Consulting Engineers	Performing	Added	0.13%
	Total Commitment	Performing	23.41%	17.75%

¹Current Participation = Total Actual amount Paid-to-Date to DBE firms + Total Actual Amount Paid-to-date to Prime.

F. Other Subcontractors

	Subcontractor	Scope of Work
1.	AMEC, Inc.	Geotech Services
2.	Jenkins, Gales Martinez, Inc.	CAD/BIM Services
3.	Miyamoto International	Structural Engineering Services
4.	Torti Gallas and Partners, Inc	Urban Design

ATTACHMENT B

CONTRACT MODIFICATIONS AUTHORITY SUMMARY

Modification	Description	Value
1 - 8	Various Changes to Alternative Analysis	\$27,415.50
9	Award Option 1 – Draft EIS/EIR/Advance	\$17,180,537
10	Seismic Design Criteria Revisions	\$236,756
11	Rail Simulations	\$0
12	Revised Payment Schedule	\$0
13	Santa Monica Fault Investigation	\$108,727
14	Supplemental Station Planning and Outreach support	\$18,576
15	Revised Submittal Delivery Schedule	\$0
16	Design Concepts For Tunnels and Underground Stations in Gassy Ground	\$514,808.57
17	Alternative Tunneling Methods Follow	\$489,828.45
18	Revised Payment Schedule	\$0
19	On Board Fire Suppression Study	\$42,456.59
20	Establish budget for New Starts	\$0
21	Award Option 2 - Preliminary Engineering	\$43,632,826
22	Award Option 3 – Final EIS/EIR	\$4,761,377
23	Close-out Alternative Analysis Credit	(\$31,300)
24	Additional Fault Investigation Transect 2	\$480,250
25	Risk Management Support	\$208,417
26	Additional Fault Investigation Transect 4	\$453,264
27	Century City Refined Ridership Forecast	\$22,985
28	Additional Rail Simulations Studies	\$72,646
29	Revisions to Safety and Security Submittal	\$0
30	Oil Well Investigation Program	\$107,165
31	Additional Fault Investigation Transect 3	\$411,949
32	Additional Fault Investigation Transect 7	\$310,754
33	Additional Historic Property Surveys	\$46,442
34	Additional Fault Investigation Transect 6	\$102,054
35	Additional Station Entrances Study	\$119,074.68
36	Advance Preliminary Engineering	\$16,996,740
37	LADWP Utility Relocations Design	\$84,658.80
38	Title VI Service Equity Analysis	\$51,185.11
39	Design Services for Exploratory Shaft	\$0
40	Period of Performance Extension	\$0
EXPENDED CMA FOR DELEGATED MODIFICATIONS		\$3,676,806.96
BOARD AUTHORIZED CMA FOR CEO DELEGATED MODIFICATIONS		\$10,445,898.15
REMAINING CMA FOR DELEGATED MODIFICATIONS		\$6,769,091.19