

**Metro**Los Angeles County
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Los Angeles, CA 90012-2952213.922.2000 Tel
metro.net**CONSTRUCTION COMMITTEE
APRIL 17, 2014****SUBJECT: WESTSIDE PURPLE LINE EXTENSION PROJECT****ACTION: AUTHORIZE THE CHIEF EXECUTIVE OFFICER (CEO)
TO EXECUTE A CONTRACT MODIFICATION****RECOMMENDATION**

Authorize the CEO to execute Contract Modification No. 48 to Contract No. PS43502000 with Parsons Brinckerhoff (PB) Inc. to provide continued design support services during construction for Section 1 of the Westside Purple Line Extension Project, in an amount not to exceed \$11,657,611, increasing the total contract value from \$119,182,686 to \$130,840,297.

ISSUE

The Board authorized award of this Contract in June 2007 to PB to provide an Alternative Analysis on the nine-mile Project with three contract options: Draft Environmental Impact Statement/ Environmental Impact Report (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 approved the Westside Subway Extension Draft EIS/EIR and Alternative #2, a nine-mile extension of the existing Metro Purple Line Subway with seven stations to a Westwood/VA Hospital Station as the Locally Preferred Alternative in the Final EIS/EIR, including recommended station/alignment options and rail support facilities. The Board also authorized the CEO to exercise options to continue Advanced Conceptual Engineering and complete Preliminary Engineering to support the work necessary to obtain the Federal Transit Administration (FTA) approvals as part of the FTA New Starts Project process towards obtaining a Federal Full Funding Grant Agreement (FFGA).

In October 2011, the Board approved a contract modification and authorized PB to perform the continuation of Preliminary Engineering to advance the design to provide a higher level of detail to refine cost estimates and risk assessment in support of the receipt of FTA's Record of Decision and their Approval for Entry into Final Design. The

Board also authorized PB to enter the next phase of work, Engineering Support during Final Design and/or Construction. The Board approved the Project Definition for the nine-mile Westside Purple Line Extension Project on April 26, 2012. LACMTA received a Record of Decision from the FTA on August 9, 2012. PB continues to provide LACMTA with engineering services to support our efforts in obtaining FTA approvals towards an FFGA.

In January 2013, the Board authorized the CEO to negotiate and execute a Contract Modification to allow PB to provide engineering support services during the Design/Build solicitation process; design for relocation of utilities; design support services during construction; continued Advanced Preliminary Engineering for Section 1 (3.92 miles from Wilshire/Western to Wilshire/La Cienega) of the Westside Purple Line Extension Project. The Board also authorized the CEO to negotiate and execute a Contract Modification to allow PB to provide continued Advanced Preliminary Engineering for Section 2 (2.57 miles from Wilshire/La Cienega to Century City) of the Westside Purple Line Extension Project.

The recommended Board action will provide sufficient contract funding for PB services through June 2015. 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 FY15 budget for the actions under Project 865518 – Westside Purple Line Extension Project (Section 1) in Cost Center 8510 (Construction Project Management), and Account Number 50316 (Professional and Technical Services). Since this is a multi-year project, the Executive Director of Engineering and Construction and the Project Manager will be responsible for budgeting costs in future years.

Impact to Budget

The sources of funds for the recommended action are Federal 5309 New Starts and Federal 5309 New Starts Capital Grant Receipt Revenue Bond Proceeds. The approved FY15 budget is designated for the Westside Purple Line Extension Project and does not have an impact to operations funding sources. These funds were assumed in the LRTP for the Westside Purple Line Extension Project. This Project is not eligible for Propositions A and C funding due to the proposed tunneling element of the Project. No other funds were considered.

ALTERNATIVES CONSIDERED

The Board could decide to not approve the recommended Contract Modification. This is not recommended because the FTA is in the final stages of granting the FFGA for Section 1 of the Westside Purple Line Extension Project. This will be followed by the award of the Section 1 Design/Build contract. 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.

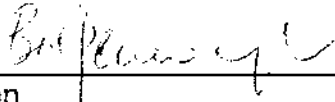
NEXT STEPS

After Board approval and execution of the Contract Modification, staff will direct the Consultant to continue to provide engineering services for the early utility relocations and construction, complete preliminary engineering and provide support to the Design/Build solicitation of the Division 20 Maintenance-of-Way and Non Revenue Vehicle Facility contract, and provide engineering support services during the final design phase and construction of the Project under the C1045 Design/Build Contract.

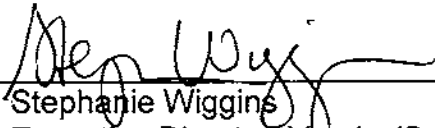
ATTACHMENTS

Attachment A – Procurement Summary
Attachment B – Contract Modification Summary


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Chief Executive Officer

**PROCUREMENT SUMMARY
WESTSIDE PURPLELINE EXTENSION PROJECT
DESIGN SUPPORT SERVICES DURING CONSTRUCTION
MODIFICATION NO. 48**

1.	Contract No.: PS43502000		
2.	Contractor: PB Americas		
3.	Mod. Work Description: Continue Design Support Services During Construction		
4.	The following data is current as of :March 27, 2014		
5.	Contract Completion Status –		Financial Status -
	Award Date	6/08/07	Award Amount
	NTP	7/16/07	Total Contract Modifications Approved
	Orig. Complete Date	9/16/08	Current Total Contract Value
	Current Est. Comp Date	6/30/14	
6.	Contract Administrator: Zachary Munoz		Telephone Number: (213)922-7301
7.	Project Manager: Dennis Mori		Telephone Number: (213)922-7221

A. Contract Action Summary

This contract change was handled in accordance with the LACMTA approved procedures for contract modifications.

The solicitation for Contract No.PS43502000 was an Architectural & Engineering (qualification-based) procurement process. This method requires that each of the responding firm's qualifications be evaluated, and the most qualified firm selected, followed by analysis of the selected firm's cost proposal and successful negotiations to enter in to the contract with the selected firm.

The most qualified firm, 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.

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.

Attachment B shows that 47 modifications have been issued to date to add and/or delete work, and 1 modification is currently in negotiation.

The proposed modification is for an amount not-to-exceed \$11,657,611 and will continue necessary design support services during construction.

B. Cost/Price Analysis

The negotiated amount complies with all requirements of Metro Procurement policies and procedures and was determined fair and reasonable through fact-finding, clarifications, and cost analysis. An independent cost estimate (ICE) was obtained as part of the cost analysis before negotiating.

<u>Proposal Amount</u>	<u>MTA Estimate</u>	<u>Negotiated Amount</u>
\$13,209,310	\$9,348,934	\$11,657,611

C. Small Business Participation

The subject contract was awarded to PB Americas, Inc. on June 28, 2008. PB Americas made a 23.41% Disadvantaged Business Enterprise (DBE) Anticipated Level of Participation (DALP) commitment, listing five (5) DBE subcontractors. In October 2010 when awarding Contract Options 2 and 3, DEOD notified the Board that PB Americas was not meeting its commitment, with 9.88% DBE participation.

Metro notified PB Americas of the participation levels and requested documentation of Good Faith Efforts to be undertaken to increase DBE opportunities. In their response, PB Americas identified specialized technical work that resulted in limited DBE opportunity which impacted participation and reaffirmed their commitment to identify additional opportunities and increase outreach to DBE firms. During the

planning and negotiation phases of Options 2 and 3 in October 2010, PB Americas proposed adding 17 first and second tier DBE subcontractors to demonstrate their commitment to small business. Metro verified and added the 17 DBE firms in April 2011, after which PB Americas added 10 additional DBE firms, for a current total of 32 DBE firms.

PB Americas has documented to DEOD their plan to meet the remaining 4.9% shortfall for Geotechnical Services to be performed as part of Section 2, Century City Extension to be completed by 3rd quarter 2015.

SMALL BUSINESS COMMITMENT	DALP 23.41%	SMALL BUSINESS PARTICIPATION	DALP 18.51%
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	DBE Subcontractor	Scope of Work	% Committed	Current Participation¹
1.	Intueor	Engineering Services	2.28%	1.69%
2.	Kal Krishnan Consulting	Project Control & Estimating	5.58%	0.19%
3.	LKG-CMC, Inc.	Document Control	7.27%	1.29%
4.	Terry Hayes Associates	Provide CEQA & NEPS Analysis	2.99%	0.52%
5.	Wagner Engineering and Survey, Inc.	Surveying	5.29%	0.82%
6.	Atwell Consulting Group	Administration and Project Management	Added	0.49%
7.	Advantec	Traffic Engineering and Third Party Coordination	Added	0.53%
8.	Barrio Planners, Inc.	Civil & Utilities, ROW	Added	1.12%
9.	Cogstone Resources Management, Inc.	Architectural Collection	Added	0.27%
10.	Del Richardson & Associates	Title and ROW Acquisition	Added	0.17%
11.	Diana Ho	DBE Coordinator	Added	0.02%

	DBE Subcontractor	Scope of Work	% Committed	Current Participation ¹
12.	D'Leon Consulting Engineers Corporation	Utilities, Building Records Research	Added	2.23%
13.	E. W. Moon	Civil Engineering	Added	0.38%
14.	Lenax Construction Services, Inc.	Project Control and Cost Estimating	Added	0.61%
15.	RAW International	Architecture	Added	2.07%
16.	Roy Willis & Associates	Public Relations	Added	0.01%
17.	W2 Design, Inc.	Civil and GIS	Added	0.39%
18.	Wiltec	Traffic Count	Added	0.01%
19.	A Cone Zone	Traffic Control	Added	0.90%
20.	C & L Drilling	Drilling	Added	0.88%
21.	Jet Drilling	Drilling	Added	0.37%
22.	Melendrez	Urban Design	Added	0.03%
23.	JAD & Associates	Engineering/Drafting	Added	0.50%
24.	Universal Reprographics	Reprographics Printing	Added	0.32%
25.	FPA Underground	Geotechnical Investigation	Added	0.48%
26.	Martini Drilling	Environmental and Geotechnical Drilling	Added	0.53%
27.	Advanced Technology Laboratories	Environmental Testing	Added	0.13%
28.	IDC Consulting Engineers	Structural Engineering	Added	0.27%
29.	Abadi-Bouhier Consulting	Estimating	Added	0.54%
30.	V&A, Inc.	Traffic Control	Added	0.40%
31.	Safeprobe	Potholing Work	Added	0.20%
32.	Diaz Yourman & Associates	Geotechnical	Added	0.14%
	Totals		23.41%	18.51%

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

Contract Modification Authority (CMA) / Change Order Log

Mod. No.	Description	Status (Approved or Pending)	Contract Value	Mods	Board Approved CMA
N/A	Initial Award	Approved	\$3,654,061(A)		\$600,000
1-8	Alternatives Analysis	Approved		\$27,515	
9-20	Advanced Conceptual Engineering/Draft EIS/ EIR	Approved		\$18,590,710	\$2,586,768
21	Preliminary Engineering	Approved		\$43,632,826	\$6,544,924
22	Final EIS/EIR	Approved		\$4,761,377	\$714,207
23	Close-out Alternative Analysis	Approved		(\$31,300)	
24	Additional Fault investigation – Transect 2	Approved		\$480,250	
25	Risk Management Support	Approved		\$208,417	
26	Additional Fault Investigation Transec 4	Approved		\$453,264	
27	Century City Refined Ridership Forecast	Approved		\$22,985	
28	Additional Rail Simulation Study	Approved		\$72,646	
29	Revisions to Safety Security Manual	Approved		\$0	
30	Oil Well Investigation Program	Approved		\$107,165	
31	Additional Fault Investigation Transec 3	Approved		\$411,949	
32	Additional Fault Investigation Transec 7	Approved		\$310,754	
33	Historic Property Survey	Approved		\$46,442	
34	Additional Fault Investigation Transec 6	Approved		\$102,054	
35	Additional Station Entrance Report	Approved		\$119,074	
36	Advance Preliminary Engineering	Approved		\$16,996,740	
37	LADWP Utility Relocations	Approved		\$84,659	
38	Title V1 Service Equity	Approved		\$51,185	
39	Design Services for Exploratory Shaft	Approved		\$0	
40	Period of Performance Extension	Approved		\$0	
41	Bid Period Services	Approved		\$18,816,205	
42	CANCELLED	Approved			
43	Advance Preliminary Engineering (Section 2)	Approved		\$8,836,296	
44	Additional Borings	Approved		\$439,292	
45	Additional Capacity Study	Approved		\$24,030	
46	Ventilation Study	Approved		\$470,527	
47	Additional AUR Work	Approved		\$493,563	
48	Design Support Services During Construction FY 15	Pending		\$11,657,611	
See totals next page					

Subtotal – Board Approved Modifications (B)		\$110,223,981	
Subtotal – Approved Modifications within CMA		\$5,304,644	
Subtotal – All Approved Modifications		\$115,528,625	
Pending Changes/Modifications		\$11,657,611	
Total Mods and Pending Changes (C)		\$127,186,236	
Total Contract Value (including Approved and Pending Mods (A+C))	\$130,840,297		
Board Approved Cumulative CMA (D)			\$10,445,899
Less: Mods within CMA(B)			\$5,335,944*
Remaining CMA (excludes Board Approved Mods*)(D-B)			\$5,109,955

*Modification No. 23 credited \$31,300 to the contract value but does not credit \$31,300 to CMA.