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Los Angeles County
Metropolitan Transportation Authority

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**CONSTRUCTION COMMITTEE
MARCH 20, 2014**

SUBJECT: CRENSHAW/LAX TRANSIT PROJECT

**ACTION: APPROVE AN INCREASE IN CONTRACT MODIFICATION
AUTHORITY**

RECOMMENDATION

Approve an increase in Contract Modification Authority (CMA) to Contract No. C0990 with Metro Builders and Engineers Group LTD., in the amount of \$607,000, increasing the current CMA from \$782,750 to \$1,389,750. This action does not increase the Life of Project Budget.

ISSUE

Contract C0990 is a firm fixed price contract to re-locate utilities in advance of the Crenshaw/LAX Transit Corridor Design-Build contract. Approval of additional CMA will allow staff to continue to process contract modifications in a timely manner and avoid potential costly construction delays to the follow-on Design-Builder.

DISCUSSION

An advanced utility relocation contract was initiated on the Crenshaw/LAX Transit Project as proactive schedule mitigation to allow the follow-on Design-Builder a clean slate to commence initial construction activities such as soldier pile installation and decking operations. A clean slate minimizes the schedule and cost risks that the Design-Builder would have in working with the various third party utility companies which allowed the Design-Builder to provide Metro a better competitive bid price. Having the major utility relocations taken care of in advance by the Advance Utility Relocation Contractor C0990, allows the follow-on Design-Builder to focus on immediate construction activities and stay on schedule.

The relocation of several utilities in advance of the Crenshaw/LAX Transit Project Design-Builder was identified as critical to the project. The utilities to be relocated in advance include the wet utilities along the Harbor Branch and Crenshaw Boulevard segments of the corridor, and the relocation of three (3) existing duct banks that feed

various Navigational Aid System (NAVAIDS) on the south airfield complex of LAX. The duct banks must be relocated in advance to allow for the construction of the track alignment. The following are descriptions of modifications listed on Attachment B that contributed to the reduction in CMA:

- Large amounts of contaminated soil discovered on 59th street,
- Design changes by the Department of Water and Power after contract award for four water crossings along Crenshaw Blvd,
- A "Differing Site Condition" on 59th Place where the Contractor ran into "Running Sand" requiring the use of a more comprehensive, more labor intensive shoring system,
- Excavations for a sewer main that previously contained unsuitable backfill material requiring the contractor to replace the unsuitable material with slurry backfill to stabilize the trench, and
- The discovery of unstable soils at 59th Place and Crenshaw Blvd which changed the construction methodology from "open cut" to Jack and Bore, to facilitate the construction across Crenshaw Blvd and reduce the risk of cave-ins and traffic disruptions.

Currently, there is insufficient CMA to cover the identified pending and potential Contract Modifications for Contract C0990. Staff requests approval of an additional \$607,000 of CMA for the Project to complete the scope of work for Contract C0990. This additional CMA authority coincides with staff's existing authority to process individual change orders of less than \$500,000 if sufficient CMA exists.

A matrix of executed modifications and pending modifications is shown in Attachment B.

DETERMINATION OF SAFETY IMPACT

This Board action will not have an impact on established safety standards.

FINANCIAL IMPACT

The funds for this action are included in the FY14 Budget under Project 865512 (Crenshaw/LAX Transit Project), in Cost Center 8510 (Construction Project Management). Since this is a multi-year project, the Executive Director, Engineering & Construction, will be responsible for budgeting in future years.

IMPACT TO BUDGET

The sources of funds for this project are capital funds identified in the adopted Long Range Transportation Plan and updated by Board action in June 2013. One source of funding is Proposition A 35%, which is eligible for rail operations. The other funds are not eligible for bus and rail operating expenditures.

ALTERNATIVES CONSIDERED

The Board may decline to approve the recommended actions. This is not recommended as it will prevent or delay the completion of the advanced relocation of utilities if contract modifications are unable to be issued which will directly impact the cost and schedule for the Crenshaw/LAX Transit Project.

ATTACHMENTS

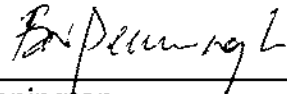
- A. Procurement Summary
- B. Contract Modification Authority (CMA) Summary

Prepared by: Matt Gallagher, Director
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 (323) 903-4111

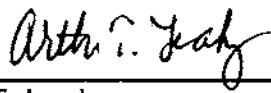
Charles Beauvoir, Deputy Executive Officer,
Project Management
(323) 903-4113



Stephanie Wiggins
Executive Director, Vendor/Contract Management



Bryan Pennington
Executive Director, Engineering & Construction



Arthur T. Leahy
Chief Executive Officer

PROCUREMENT SUMMARY

CRENSHAW/LAX ADVANCED UTILITY RELOCATIONS

1.	Contract No.: C0990		
2.	Contractor: Metro Builders and Engineers Group LTD.		
3.	Mod. Work Description: See in Attachment B.		
4.	Work Description: See list of pending changes in Attachment B.		
5.	The following data is current as of :	2/13/14	
6.	Contract Completion Status -		
	Bids Opened	4/18/12	% Complete \$ 80%
	Contract Awarded	06/15/12	% Complete Time 79%
	NTP	07/17/12	Orig. Contract Days 365 Calendar Days
	Orig. Complete Date	07/18/13	Change Order Days 124
	Current Est. Comp Date	6/22/14	Suspended Days N/A
			Total Revised Days 489 Calendar Days
7.	Financial Status -		
	Contract Award Amount	\$7,827,500.00	
	Total Contract Modification Authority (CMA)	\$782,750	
	Total of Mods. Issued to Date (Including this action)	\$1,389,750	
	Remaining CMA	\$339,998	
8.	Contract Administrator: Valerie Dean	Telephone Number: (323) 903-4123	
9.	Project Manager: Charles Beauvoir	Telephone Number: (323) 903-4113	

A. Contract Action Summary

The proposed contract changes will be handled in accordance with the LACMTA approved procedures for contract modifications.

On June 15, 2012, Contract No. C0990 was awarded to Metro Builders and Engineers Group Ltd., in the amount of \$7,827,500.00 to relocate utilities in advance

of the station and infrastructure construction for the Crenshaw/LAX Transit Corridor project.

Attachment B shows the list of pending modifications that will add work.

B. Cost/Price Analysis

The recommended price for the proposed changes will be determined to be fair and reasonable based upon an independent cost estimate, cost analysis, technical evaluation, fact finding, and negotiations.

C. SMALL/DISADVANTAGED BUSINESS PARTICIPATION

The Diversity & Economic Opportunity Department established a 27% Disadvantaged Anticipated Level of Participation (DALP), under Metro’s race neutral DBE Program. Metro Builders did not make a DBE commitment. Metro Builders are encouraged to include DBE firms when subcontract opportunities become available.

D. PROJECT LABOR AGREEMENT/CONSTRUCTION CAREERS POLICY

The contractor is currently exceeding the 40% Targeted Worker and 10% Disadvantaged Worker goals. The contractor is at 9.93% of the 20% apprenticeship goal. The table below provides attainment data through January 31, 2014:

Month*	No. of Work Hours*	Targeted Economically Disadvantaged Worker Utilization (%) Goal: 40%	Disadvantaged Worker Utilization (%) Goal: 10%	Apprentice Utilization (%) Goal: 20%
Jan. 2014	38,165.16	58.66%	13.21%	9.93%

ATTACHMENT B

CONTRACT MODIFICATION AUTHORITY (CMA) SUMMARY

Mod. No.	Description	Status	Cost
N/A	Initial Award	Approved	\$ 7,827,500
1	Additional Potholing	Executed	\$ 1,900
11	Deletion of South Victoria Crossing	Executed	\$ (103,000)
12.1	La Brea Deletion	Executed	\$ (1,050,000)
2	Contaminated Soil at 59 th Place	Executed	\$ 251,864
22	Design Changes by Department of Water & Power	Executed	\$ 143,000
3	Electrical Panels at LAWA	Executed	\$ 1,440
5	Extended Casing at Runway 25L	Executed	\$ 15,977
10	Contaminated Soil Disposal for 67 th Street	Executed	\$ 118,067
4	Subcontractor Additions (no cost)	Executed	\$ -
8	25 Manhole A & B	Executed	\$ 2,019
6	CP-3 Retention and Escrow Accounts	Executed	\$ -
7	Temporary LAX Security Shed	Executed	\$ 2,094
15	Deletion of Sewer Encasement 67 th Street	Executed	\$ (4,863)
14	LAX Manhole C Precast – Cast in Place	Executed	\$ 41,166
9	60 th St. Daytime Traffic Control	Executed	\$ 7,613
17	Existing Leaking Sanitary Sewer	Executed	\$ 6,550
20	Existing Utility Conflicts	Executed	\$ 20,907
13	Adjustment to total Cost	Executed	\$ (40,254)
19	Extend Jack Bore Casing 25L 25R	Executed	\$ 15,223
16	Additional Potholing on 59 th Place Schedule B	Executed	\$ 1,900
21	Leimert Park Storm Drain Realignment	Executed	\$ 74,843
23	Furnish and Install 6 Inner-duct	Executed	\$ 4,812
24	Contaminated Soil Removal – 54 th St	Executed	\$ 13,459
25	LAWA Waterline and Gas Line Conflict	Executed	\$ 5,766
26	Design Changes to Manhole 67 th	Executed	\$ (26,256)
27	Shutdown at LAX-LAWA-CEED	Executed	\$ 4,455
28	Trench Stabilization on Victoria Ave	Executed	\$ 123,500

Mod. No.	Description	Status	Cost
30	59 Days Due to Differing Site Condition	Executed	\$ 171,996
31	Jack and Bore Sewer Install 59th	Executed	\$ 210,000
Unilateral			
CO/4	Remove Replace curb and gutter on 67 th	Executed	\$ 35,000
CO/5	Differing Site Condition - Cave In	Executed	\$ 219,675
CO/6	Trench Cave-In Crenshaw Blvd., 59 th 60 th	Executed	\$ 76,831
CO/7	Trench Cave-In Victoria, Harbor Sub	Executed	\$ 188,946
Potential Changes			
CN/31	Manhole Replacement on 67 th Street	Pending	\$ 120,966
CN/38	Sewer Changes on Victoria and 67 th Credit	Pending	\$ -
CN/42	Install manhole at Station 7+40	Pending	\$ 80,000
CN/44	Peak Hours Restrictions	Pending	\$ 234,564
CN/46	Re-survey of Sewer Main on 67 th Street	Pending	\$ 1,134
CN/47	Median Removal on Crenshaw and 67 th Street	Pending	\$ 4,820
CN 48	Pavement Replacement on 60 th Street	Pending	\$ 23,250
TBD	CCTV Survey of the Existing 8 th Street	Pending	\$ 6,011
TBD	Pavement Replacement at LAX	Pending	\$ 24,200
TBD	DWP Water Break Clean Up	Pending	\$ 3,636
TBD	Additional Contaminated Soil Removal 54 Place	Pending	\$ 16,541
Subtotal – Approved/Recommended/In-Process Modifications			\$ 534,630
Subtotal – Pending Changes/Modifications			\$ 515,122
Total Mods and Pending Changes			\$ 1,049,752
Prior CMA Authorized by the Board			\$ 782,750
Increased CMA requested			\$ 607,000
Total CMA including this action			\$ 1,389,750
Remaining CMA for Future Changes			\$ 339,998