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MAY 1, 1997



Los Angeles County
Metropolitan
Transportation
Authority

One Gateway Plaza
Los Angeles, CA
90012

213.922.6000

TO: BOARD OF DIRECTORS

FROM: LINDA BOHLINGER,
INTERIM CHIEF EXECUTIVE OFFICER

Linda Bohlinger

SUBJECT: APPROVE CONTRACT AMENDMENT AND INCREASE
IN THE AUTHORIZATION FOR EXPENDITURE FOR
ADDITIONAL DESIGN SERVICES ON THE METRO RED
LINE, WILSHIRE AND VERMONT/HOLLYWOOD
CORRIDORS

RECOMMENDATION

Approve:

- a) Amendment No. 18 to Contract Work Order (CWO) No. 3 to Contract No. E0070 with the Engineering Management Consultant (EMC) to incorporate Consultant Change Notice (CCN) Nos. 522, 527.01, 528, 529 and 546 for additional design services for the Metro Red Line, Wilshire and Vermont/Hollywood Corridors in the amount of \$124,607, which increases the total CWO value from \$92,023,442 to \$92,148,049; and
- b) an increase in the Project's Authorization for Expenditure (AFE) in the amount of \$123,816 for a revised total AFE amount of \$93,657,016.

Within Construction Committee authority: Yes No

ORGANIZATIONAL IMPACT

Provision of these services is essential to the completion of the Wilshire and Vermont/Hollywood Corridors and will help ensure that high quality construction is provided in a timely and accurate, consistent with the approved design.

BUDGET IMPACT

Funds for this action are available within the Board approved project budget of \$1,640,781,000. This action will increase the current cumulative CWO value of \$93,032,409 to \$93,157,016. The final forecast cost for this contract including in process Change Notice's and other anticipated changes is \$94,079,194. The current status of the contract including the impact of this recommended action is shown in Attachment 1. This action does not impact the Project Contingency, the MTA Fiscal Year Budget, or the Sources of Funds, either in the fiscal year or over the life of the project.

Potential for Cost Recovery: Yes No

ALTERNATIVES CONSIDERED

The Board has the option to disapprove this action which will delay payment for these CCNs. If the Board does not allocate funds for this CWO, the EMC, in accordance with the terms of the contract, will suspend performance of the services under CWO No. 3 for the proposed CCNs.

BACKGROUND

This amendment will incorporate five (5) negotiated CCNs related to additional design services for the Metro Red Line, Wilshire and Vermont/Hollywood Corridors. These changes include:

1. Extension of the Wilshire Corridor start-up support position
2. B241, B252 & B261: Vermont Avenue widening
3. B251, B261 & B610: Tract alignment modification
4. B251 & B610: Raise actual tract superelevation/revise track alignment in Segment 2B curves
5. B610: Trackwork installation revision to contact rail installation in the yard

The work associated with each of these changes was negotiated and completed prior to the approval of Amendment No. 1 to the EMC's overall contract.

Attachment 2 provides a detailed summary of each CCN and its associated cost.

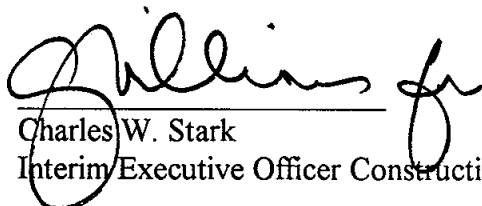
SMALL BUSINESS PARTICIPATION

The DBE goal for the contract is 27%. An audit is being conducted by the Equal Opportunity Department to verify first and second tier Subcontractors to determine accurate DBE participation. The audit is expected to be completed by the third week of May 1997.

ATTACHMENTS

- 1 - Contract Value Status
- 2 - Summary of Consultant Changes
- 3 - Cumulative Summary of Construction Committee Approvals

Prepared by: Michael Escalle, Contract Administrator
Stephen J. Polechronis, Deputy Executive Officer, Construction
Metro Red Line, Wilshire and Vermont/Hollywood Corridors


Charles W. Stark
Interim Executive Officer Construction

ATTACHMENT 1
PROFESSIONAL SERVICES CONTRACT VALUE STATUS
R81 - Metro Red Line - Segment 2

E0070 - PARSONS-BRINKERHOFF/DMJM
CONTRACT WORK ORDER #03 - AMENDMENT #18

PROJECT CUMULATIVE CWO VALUE FOR CONTRACT E0070

1. TOTAL INITIAL CWO VALUE:	\$58,848,918
2. TOTAL PREVIOUS AMENDMENTS:	\$34,183,491
3. TOTAL CURRENT CONTRACT VALUE (1 + 2)	\$93,032,409
4. VALUE OF THIS AMENDMENT	\$124,607
5. PROPOSED BOARD APPROVED CONTRACT VALUE (3 + 4)	\$93,157,016
6. STAFF APPROVED CCN NTE VALUE	\$399,408
7. CCN NTE'S INCLUDED IN AMENDMENT	\$183,000
8. CCN NTE'S IN OUTSTANDING CCN'S (6-7)	\$216,408
9. NEW CONTRACT EXPENDITURE CEILING (5 + 8)	\$93,373,424

AUTHORIZATION FOR EXPENDITURE STATUS : TOTAL PROJECT R81 E0070

10. EXPENDED TO DATE	\$85,355,402
11. UNEXPENDED CWO VALUE (9-10)	\$8,018,022
12. NTE ALLOWANCE (From Table)	\$500,000
13. PROPOSED AFE (5 + 12)	\$93,657,016
14. CURRENT AFE	\$93,533,200
15. AFE ADJUSTMENT REQUIRED (13-14)	\$123,816

BUDGET STATUS : TOTAL PROJECT R81 E0070

16. CURRENT CONTRACT BUDGET	\$92,445,000	
17. PROPOSED BOARD APPROVED CONTRACT VALUE	\$93,157,016	
18. OUTSTANDING CCN'S	\$393,260	as of 05/01/97
19. TRENDS AND CONTINGENCIES	\$528,918	
20. FORECAST FINAL COST (17 + 18 + 19)	\$94,079,194	as of [1]

REVIEWED BY:  5/2/97

* - Allows future CCN NTE authorizations up to: \$283,592
[1] Forecast will be revised end of June

ATTACHMENT 1
PROFESSIONAL SERVICES CONTRACT VALUE STATUS
R81 - Metro Red Line - Segment 2

E0070 - PARSONS-BRINCKERHOFF/DMJM
CONTRACT WORK ORDER #03 - AMENDMENT #18

CWO STATUS: CONTRACT WORK ORDER 3.00

1. INITIAL CWO VALUE:	\$58,076,256
2. PREVIOUS AMENDMENTS	\$33,947,186
3. CURRENT CWO VALUE (1 + 2)	\$92,023,442
4. VALUE OF THIS AMENDMENT	\$124,607
5. PROPOSED BOARD APPROVED CWO VALUE (3 + 4)	\$92,148,049
6. STAFF APPROVED CCN NTE VALUE	\$399,408
7. CCN NTE'S INCLUDED IN AMENDMENT	\$183,000
8. CCN NTE'S IN OUTSTANDING CCN'S (6-7)	\$216,408
9. NEW CWO EXPENDITURE CEILING (5 + 8)	\$92,364,457

CWO STATUS: CONTRACT WORK ORDER 35.00

1. INITIAL CWO VALUE:	\$772,662
2. PREVIOUS AMENDMENTS	\$236,305
3. CURRENT CWO VALUE (1 + 2)	\$1,008,967
4. VALUE OF THIS AMENDMENT	\$0
5. PROPOSED BOARD APPROVED CWO VALUE (3 + 4)	\$1,008,967
6. STAFF APPROVED CCN NTE VALUE	\$0
7. CCN NTE'S INCLUDED IN AMENDMENT	\$0
8. CCN NTE'S IN OUTSTANDING CCN'S (6-7)	\$0
9. NEW CWO EXPENDITURE CEILING (5 + 8)	\$1,008,967

REVIEWED BY:

[Signature] 5/2/97

ATTACHMENT # CONSULTANT CHANGE NOTICES

CONSULTANT: PARSONS-BRINCKERHOFF/DMJM

CONTRACT: E0070 ENGINEERING MANAGEMENT CONSULTANT (EMC)

AMEND #	PROJECT	CCN NO.	CHANGE TITLE	NEGOTIATED VALUE	CCN APPROVED DATE	AMENDMENT DATE	BOARD NOTICE DATE
R81 - Metro Red Line - Segment 2							
CWO #: 3.00							
18	R81	522.00	EXTENSION OF WILSHIRE START UP SUPPORT POSITION	\$12,994.00	03/24/97		
18	R81	527.01	B241, B252, B261: VERMONT AVENUE SIDEWALK WIDENING	\$73,391.00	05/01/97		
18	R81	528.00	B251, B261, & B610: TRACK ALIGNMENT MODIFICATION	\$9,856.00	05/01/97		
18	R81	529.00	B251 & B610: RAISE ACTUAL TRACK SUPERELEVATION/REVISE TRACK ALIGNMENT IN SEGMENT 2B CURVES	\$26,083.00	05/01/97		
18	R81	546.00	B610 TRACKWORK INSTALLATION REVISION TO CONTACT RAIL INSTALLATION IN THE YARD	\$2,283.00	05/01/97		
TOTAL CWO 3.00:				\$124,607.00			
TOTAL PROJECT R81:				\$124,607.00			
TOTAL CONTRACT E0070:				\$124,607.00			



CONSULTANT CHANGE BOARD EXECUTIVE SUMMARY

CCN#: 522.00

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CONTRACT # / TITLE: E0070 / ENGINEERING MANAGEMENT CONSULTANT (EMC)

CONSULTANT: PARSONS-BRINKERHOFF/DMJM (EMC)

AMENDMENT #: 18 - CWO 3.00 PROJECT R81 - Metro Red Line - Segment 2

<u>CCN NUMBER</u>	<u>TITLE</u>	<u>CCN VALUE</u>	\$12,994.00
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		<u>CCN HOURS</u>	152
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522.00	EXTENSION OF WILSHIRE START UP SUPPORT POSITION		
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WHO IDENTIFIED:

Milan Kadlec, Project Manager, EMC

PERIOD OF PERFORMANCE:

The period of performance is through September 30, 1996.

WHAT:

Extend the position provided to the EMC Systems Division Start-up Team by CCN #512 to continue performing and coordinating the following necessary functions in preparation for the Systems Integrated Testing and Start-up through 9/30/96:

1. Provide oversight of the Consultants and the Contractor for conformance to contract document and overall quality.
2. Review consultant procedures and recommend improvements.
3. Coordinate with the Consultants and the Contractor to identify and resolve design/field conflicts.

We estimate a total of 205 labor hours at the cost of \$16,649.00. All costs are for EMC only.

JUSTIFICATION:

This effort is over and above the current scope of services and is required for the successful opening of the Wilshire Line.

COST IMPACTS:

This change is within the R81 Project budget. There is no cost recovery potential.



CONSULTANT CHANGE BOARD EXECUTIVE SUMMARY

CCN#: 527.01

PAGE 1

CONTRACT # / TITLE: E0070 / ENGINEERING MANAGEMENT CONSULTANT (EMC)

CONSULTANT: PARSONS-BRINKERHOFF/DMJM (EMC)

AMENDMENT #: 18 - CWO 3.00 PROJECT R81 - Metro Red Line - Segment 2

<u>CCN NUMBER</u>	<u>TITLE</u>	<u>CCN VALUE</u>	\$73,391.00
		<u>CCN HOURS</u>	870
527.01	B241, B252, B261: VERMONT AVENUE SIDEWALK WIDENING		

WHO IDENTIFIED:

Milan Kadlec, Project Manager, EMC

PERIOD OF PERFORMANCE:

The period of performance will be 12 weeks after funding is authorized.

WHAT:

In accordance with the City Council motion, EMC has been assigned to redesign Vermont Avenue sidewalk at Beverly, Santa Monica, and Sunset Stations.

This CCN includes modifying affected catch basins, sewer manholes, traffic signals, street lights, fire hydrants, et al. All station side structures will remain in their original locations.

JUSTIFICATION:

On March 6, 1996, Los Angeles City Council passed a motion to widen Vermont Avenue sidewalk at designated locations along Beverly, Santa Monica, and Sunset Stations.

As a result of this motion, a redesign of the surface features and utilities is necessary to accomplish the requested changes.

COST IMPACTS:

This change is within the R81 Project budget. There is a recovery potential from the City of Los Angeles.



CONSULTANT CHANGE BOARD EXECUTIVE SUMMARY

CCN#: 528.00

PAGE 1

CONTRACT # / TITLE: E0070 / ENGINEERING MANAGEMENT CONSULTANT (EMC)

CONSULTANT: PARSONS-BRINKERHOFF/DMJM (EMC)

AMENDMENT #: 18 - CWO 3.00 PROJECT R81 - Metro Red Line - Segment 2

<u>CCN NUMBER</u>	<u>TITLE</u>	<u>CCN VALUE</u>	<u>CCN HOURS</u>
		\$9,856.00	125
528.00	B251, B261, & B610: TRACK ALIGNMENT MODIFICATION		

WHO IDENTIFIED:

PERIOD OF PERFORMANCE:

The period of performance is within 3 weeks after CCN is funded (Assumed 09/25/96 - 10/16/96).

WHAT:

The exterior wall in B261 (AL) was built closer to the tracks than the contract document calls for. This would reduce the clearance between the vehicle dynamic outline and the advertising sign. This CCN is for realignment of track to provide adequate clearances and for development and issuing DCNs for contracts B261 and B610.

JUSTIFICATION:

To provide the required clearance between the vehicle dynamic outline and the advertising signs.

COST IMPACT:

This change is within the R81 Project budget. There is recovery potential from B261 contractor.



CONSULTANT CHANGE BOARD EXECUTIVE SUMMARY

CCN#: 529.00

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CONTRACT # / TITLE: E0070 / ENGINEERING MANAGEMENT CONSULTANT (EMC)

CONSULTANT: PARSONS-BRINKERHOFF/DMJM (EMC)

AMENDMENT #: 18 - CWO 3.00 PROJECT R81 - Metro Red Line - Segment 2

<u>CCN NUMBER</u>	<u>TITLE</u>	<u>CCN VALUE</u>	\$26,083.00
		<u>CCN HOURS</u>	356
529.00	B251 & B610: RAISE ACTUAL TRACK SUPERELEVATION/REVISE TRACK ALIGNMENT IN SEGMENT 2B CURVES		

WHO IDENTIFIED:

S. Polechronis, MTA DEO Red Line Segment-2

PERIOD OF PERFORMANCE:

The period of performance is September 19, 1996 through *March 31, 1997*.

WHAT:

1. In accordance with EMC letter #DE463 dated September 25, 1996, revise civil/track alignment design for tight curves in which the unbalanced measure of track superelevation (Eu) is greater than 3 inches. Ten curves are affected. In these curves, raise the actual track superelevation (Ea) high enough to keep Eu less than or equal to 3 inches, up to a maximum Ea = 6 inches.
2. In affected curves with spiral transitions that are shorter than recommended for gradual run-in of the increased actual superelevation, study the as-built tunnel alignment to ascertain whether the spirals can be increased to the recommended lengths without causing tunnel clearance problems. If this is possible, revise horizontal curve alignments by increasing these spiral lengths.
3. Revise B251 and B610 drawings and issue DCN(s) as appropriate.

JUSTIFICATION:

The MTA has identified increased track superelevation as one of the actions which will help reduce wear on wheels and rail. By raising actual superelevation the unbalanced superelevation is reduced to 3 inches or less. The result will be reduce the amount of lateral force of wheel flanges against the high rail, and thereby reduce rates of wear on both.

COST IMPACT:

This change is within the R81 Project budget. There is no recovery potential .



CONSULTANT CHANGE BOARD EXECUTIVE SUMMARY

CCN#: 546.00

PAGE 1

CONTRACT # / TITLE: E0070 / ENGINEERING MANAGEMENT CONSULTANT (EMC)

CONSULTANT: PARSONS-BRINKERHOFF/DMJM (EMC)

AMENDMENT #: 18 - CWO 3.00 PROJECT R81 - Metro Red Line - Segment 2

<u>CCN NUMBER</u>	<u>TITLE</u>	<u>CCN VALUE</u>	546.00
		<u>CCN HOURS</u>	31

546.00 B610 TRACKWORK INSTALLATION REVISION TO CONTACT RAIL INSTALLATION IN THE YARD

WHO IDENTIFIED:

Milan Kadlec, Project Manager, EMC

PERIOD OF PERFORMANCE:

The period of performance is 3 weeks upon receipt of WACN (assume November 9, 1996 through November 25, 1996).

WHAT:

This change is to develop sketches for the installation of contact rails in the yard to reflect the changes made to the B610 CN #29 scope of work. The preparation of the CN, estimating, revision to contract document, and any other work will be done by others (MTA, CM, Contractors).

JUSTIFICATION:

EMC previously prepared CN #29 which, however, was not issued to the contractor. Subsequently, changes were made in the field to B620 contract that require resubmittal of the previously completed CN. This change is to incorporate the changes made by the B620 contractor to the traction power conduits.

COST IMPACT:

This change is with the R81 Project budget. There is no recovery potential. This CCN requires a total of 150 labor hours at a cost of \$12,675.

ATTACHMENT 3

THE CUMULATIVE SUMMARY OF CONSTRUCTION COMMITTEE APPROVALS ON CWO NO. 3 SINCE DELEGATION OF AUTHORITY IN MARCH 1995			
PREVIOUS CONTRACT ACTIONS/CHANGE ORDERS WITHIN THE CONSTRUCTION COMMITTEE AUTHORITY			
<u>CONTRACT NO.</u>	<u>AMENDMENT # & DESCRIPTION</u>	<u>DOLLAR VALUE</u>	<u>DATE OF CONST. COMM. MTG.</u>
CWO NO. 3	NONE	\$0	