

CC 5

MAY 1, 1997



*M*  
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 INCREASE IN THE AUTHORIZATION FOR  
EXPENDITURE FOR ART PROGRAM ENGINEERING  
SERVICES FOR METRO RED LINE, NORTH  
HOLLYWOOD CORRIDOR**

**RECOMMENDATION**

Approve an increase in the Authorization for Expenditure (AFE) to Contract No. E0070 with the Engineering Management Consultant (EMC) for Art Program engineering services for the Metro Red Line, North Hollywood Corridor, in the amount of \$385,467, which increases the total Project AFE amount from \$82,366,217 to \$82,751,684.

Within Construction Committee authority: Yes  No

**ORGANIZATIONAL IMPACT**

Approval of this action will allow for the completion of engineering services for the North Hollywood Corridor Art Program as required by the MTA Art Program Policy.

**BUDGET IMPACT**

Funds for this action are available within the Board approved project budget of \$1,313,848,000. This action will increase the project's AFE from \$82,366,217 to \$82,751,684. The final forecast cost of this contract including in process Change Notices and other anticipated changes is \$82,804,500. The current status of the contract cost and forecast, including the impact of this action, is shown in Attachment 1. There is no impact to 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 reimbursement of funds for engineering services previously approved by the Board for the North Hollywood Corridor art work integration.

## **BACKGROUND**

This increase in AFE is to cover the engineering services related to the Art Program for the North Hollywood Corridor. Engineering services for the Art Program were not included in the EMC's scope of work because the original Segment 3 Full Funding Grant Agreement did not include funding for these services.

In January 1995, the MTA Board approved Consultant Change Notices (CCN) Nos. 190, 191 and 192 to allow the EMC to provide engineering services for the Art Program. These CCNs authorized the EMC to perform design, design management, construction support services and other related tasks related to the physical scope and characteristics of the Art Program for Highland/Hollywood Station, Universal City Station and North Hollywood Station. Although these CCNs were approved the AFE for the proposed work was inadvertently omitted. As a result, it is requested that AFE in the amount of \$385,467 be approved for North Hollywood Corridor Art Program. Attachment 2 provides a summary of each CCN and its associated cost.

This item was presented to the Construction Committee in March 1997. At that meeting, the Committee requested that staff provide additional information related to the EMC's and Section Designers' efforts. Attachment 3 provides a summary of the scopes of work for the EMC and the Section Designers and the costs associated with each effort.

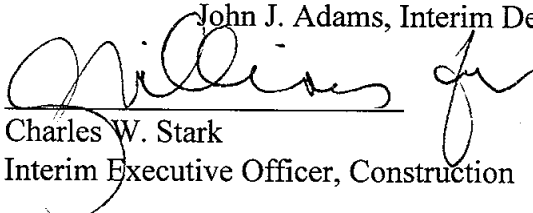
## **SMALL BUSINESS PARTICIPATION**

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 - Consultant Change Board Executive Summary
- 3 - Summary of EMC and Section Designer Scopes of Work and Costs

Prepared by: Michael Escalle, Contract Administrator  
Maya Emsden, Director, Metro Art  
John J. Adams, Interim Deputy Executive Officer, North Hollywood Corridor

  
Charles W. Stark  
Interim Executive Officer, Construction

**ATTACHMENT 1**  
**PROFESSIONAL SERVICES CONTRACT VALUE STATUS**  
R82 - METRO RED LINE - SEGMENT 3 - NORTH HOLLYWOOD

**E0070 - PARSONS-BRINKERHOFF/DMJM**  
CONTRACT WORK ORDER #4  
AUTHORIZATION FOR EXPENDITURE ADJUSTMENT

**PROJECT CUMULATIVE CWO VALUE FOR CONTRACT E0070**

1. TOTAL INITIAL CWO VALUES:	\$6,498,000
2. TOTAL PREVIOUS AMENDMENTS:	\$74,253,684
3. TOTAL CURRENT CONTRACT VALUE (1 + 2)	\$80,751,684
4. VALUE OF THIS AMENDMENT	\$0
5. PROPOSED BOARD APPROVED CONTRACT VALUE (3 + 4)	\$80,751,684
6. STAFF APPROVED CCN NTE VALUE	\$947,500
7. CCN NTE'S INCLUDED IN AMENDMENT	\$0
8. CCN NTE'S IN OUTSTANDING CCN'S (6-7)	\$947,500
9. NEW CONTRACT EXPENDITURE CEILING (5 + 8)	\$81,699,184

**AUTHORIZATION FOR EXPENDITURE STATUS : TOTAL CONTRACT E0070**

10. EXPENDED TO DATE	\$59,080,284	
11. UNEXPENDED CWO VALUE (9-10)	\$22,618,900	
12. NTE ALLOWANCE (From Table)	\$2,000,000	
13. PROPOSED AFE (5 + 12)	\$82,751,684	*
14. CURRENT AFE	\$82,366,217	
15. AFE ADJUSTMENT REQUIRED (13-14)	\$385,467	

**BUDGET STATUS : TOTAL CONTRACT E0070**

16. CURRENT CONTRACT BUDGET	\$82,657,000	
17. PROPOSED BOARD APPROVED CONTRACT VALUE	\$80,751,684	
18. OUTSTANDING CCN'S	\$4,487,446	as of 05/02/97
19. TRENDS AND CONTINGENCIES	(\$2,434,630)	
20. FORECAST FINAL COST (17 + 18 + 19)	\$82,804,500	as of 05/02/97

REVIEWED BY: *J. O. Wilkin*

\* - Allows future CCN NTE authorizations up to: \$1,052,500

NOTE: Includes Art Program (R8K) costs for Segment-3 North Hollywood \$385,467

**ATTACHMENT 1**  
**PROFESSIONAL SERVICES CONTRACT VALUE STATUS**

R82 - Metro Red Line - Segment 3 - North Hollywood

E0070 - PARSONS-BRINCKERHOFF/DMJM  
CONTRACT WORK ORDER #04  
AUTHORIZATION FOR EXPENDITURE ADJUSTMENT

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**CWO STATUS: CONTRACT WORK ORDER 4.00**

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1. INITIAL CWO VALUE:	\$5,000,000
2. PREVIOUS AMENDMENTS	\$74,253,684
3. CURRENT CWO VALUE (1 + 2)	\$79,253,684
4. VALUE OF THIS AMENDMENT	\$0
5. PROPOSED BOARD APPROVED CWO VALUE (3 + 4)	\$79,253,684
6. STAFF APPROVED CCN NTE VALUE	\$923,500
7. CCN NTE'S INCLUDED IN AMENDMENT	\$0
8. CCN NTE'S IN OUTSTANDING CCN'S (6-7)	\$923,500
9. NEW CWO EXPENDITURE CEILING (5 + 8)	\$80,177,184

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**CWO STATUS: CONTRACT WORK ORDER 46.00**

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1. INITIAL CWO VALUE:	\$1,498,000
2. PREVIOUS AMENDMENTS	\$0
3. CURRENT CWO VALUE (1 + 2)	\$1,498,000
4. VALUE OF THIS AMENDMENT	\$0
5. PROPOSED BOARD APPROVED CWO VALUE (3 + 4)	\$1,498,000
6. STAFF APPROVED CCN NTE VALUE	\$24,000
7. CCN NTE'S INCLUDED IN AMENDMENT	\$0
8. CCN NTE'S IN OUTSTANDING CCN'S (6-7)	\$24,000
9. NEW CWO EXPENDITURE CEILING (5 + 8)	\$1,522,000

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REVIEWED BY:

*O. O. Wilken*

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NOTE: Includes Art Program (R8K) costs for Segment-3 North Hollywood \$385,467



# CONSULTANT CHANGE BOARD EXECUTIVE SUMMARY

CCN#: 190.00

PAGE 1

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

CONSULTANT: PARSONS-BRINKERHOFF/DMJM (EMC)

AMENDMENT #: 5 - CWO 4.00 PROJECT R8K - MOS-3 Art Program - Construction

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<u>CCN NUMBER</u>	<u>TITLE</u>	<u>CCN VALUE</u>	\$128,859.00
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		<u>CCN HOURS</u>	530
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190.00	ART PROGRAM FOR HOLLYWOOD/HIGHLAND STATION CONTRACT C0301		
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**WHO IDENTIFIED:**

MTA - Metro Red Line Project Management.

**PERIOD OF PERFORMANCE:**

THIS PERIOD OF WORK PERFORMANCE IS FROM FEBRUARY 16, 1993 TO MAY 2000.

**WHAT:**

EMC Will perform the design, design management, construction support services and other related work tasks and sub-tasks specifically oriented to the physical scope and characteristics of the Segment - 3 Art Program.

**JUSTIFICATION:**

The Art Program was not included in the original Contract Work Order (CWO) for Metro Red Line Segment - 3 and it is the EMC's intent to submit separate Consultant Change Requests (CCRs) for the North Hollywood Extension Art Program on a per contract basis.

**COST IMPACTS:**

This work is within the current project budget. The cost code for this work is R8K.

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# CONSULTANT CHANGE BOARD EXECUTIVE SUMMARY

CCN#: 191.00

PAGE 1

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

CONSULTANT: PARSONS-BRINKERHOFF/DMJM (EMC)

AMENDMENT #: 5 - CWO 4.00 PROJECT R8K - MOS-3 Art Program - Construction

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<u>CCN NUMBER</u>	<u>TITLE</u>	<u>CCN VALUE</u>	
			\$128,304.00
		<u>CCN HOURS</u>	720
191.00	ART PROGRAM FOR UNIVERSAL CITY STATION CONTRACT C0321		

**WHO IDENTIFIED:**

MTA North Hollywood Corridor Art Program

**PERIOD OF PERFORMANCE:**

THE PERIOD OF WORK PERFORMANCE IS FROM MAY 1, 1994 TO MAY 2000.

**WHAT:**

This Consultant Change Request (CCR) is for the EMC to perform the design, design management, construction support services and other related work tasks and sub-tasks specifically oriented to the physical scope and characteristics of the Segment - 3 Art Program.

**JUSTIFICATION:**

The Art Program was not initially included in the original Contract Work Order for Metro Red Line Segment - 3 and it is the EMC's intent to submit separate Consultant Change Requests (CCRs) for the North Hollywood Extension Art Program on a per contract basis.

**COST IMPACTS:**

This work is within the current project budget. The cost code for this work is R8K.

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# CONSULTANT CHANGE BOARD EXECUTIVE SUMMARY

CCN#: 192.00

PAGE 1

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

CONSULTANT: PARSONS-BRINKERHOFF/DMJM (EMC)

AMENDMENT #: 5 - CWO 4.00 PROJECT R8K - MOS-3 Art Program - Construction

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<u>CCN NUMBER</u>	<u>TITLE</u>	<u>CCN VALUE</u>	\$128,304.00
		<u>CCN HOURS</u>	720
192.00	ART PROGRAM FOR NORTH HOLLYWOOD STATION CONTRACT C0351		

**WHO IDENTIFIED:**

MTA North Hollywood Corridor Art Program

**PERIOD OF PERFORMANCE:**

THIS PERIOD OF WORK PERFORMANCE IS FROM MAY 1, 1994 TO MAY 2000.

**WHAT:**

This Consultant Change Request (CCR) is for the EMC to perform the design, design management, construction support services and other related work tasks and sub-tasks specifically oriented to the physical scope and characteristics of the Segment - 3 Art Program.

**JUSTIFICATION:**

The Art Program was initially not included in the original Contract Work Order (CWO) for Metro Red Line Segment - 3 and it is the EMC's intent to submit separate Consultant Change Requests (CCRs) for the North Hollywood Extension Art Program on a per contract basis.

**COST IMPACTS:**

This work is within the current project budget. The cost code for this work is R8K.

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**ATTACHMENT 3**

**SUMMARY OF EMC AND SECTION DESIGNER SCOPES OF WORK AND COSTS**



## C0301 Hollywood/Highland Station

### Description of Artwork Requiring Design Support

Twenty four (24) artist-designed and fabricated aluminum light sconces, located at platform level. Requires structural support, embeds and electrical system mounted on each of six columns.

Theatrical Light Truss at entrance stairway. Consists of steel truss mounted on ceiling supporting approximately 40 light fixtures with colored and patterned insert discs (gobos) used to project images on adjacent wall surfaces, dimmer racks and computerized control console. Requires structural support and electrical system mounted in ceiling. Dimmer racks and control console to be located in Room 5215.

Fifteen (15) 25-foot plaza light poles with plasma cut aluminum sculptural element attached to lamp fixture.

### Section Designer Support During Final Design (completed)

- Provided overall layout of station and requirements of system as established.
- Determined elements of the design in collaboration with artist which became part of the integrated station design concept.
- Prepared specifications and installation drawings, plans, elevations, and details for column lighting sconces and light truss.
- Developed final design plans, specifications and calculations, and reviewed with artist .

### EMC Support During Final Design (completed)

- Informed Metro Art of design changes that would impact artist/architect collaboration.
- Coordinated discrete artwork-related drawings.
- Coordinated discrete artwork specifications.

### EMC Design Support During Construction (DSDC) (anticipated)

- Coordinate with Metro Art to assure involvement in review of all shop drawings for any elements that may directly or indirectly impact the discrete artwork.
- Review artist's engineering and shop drawings and develop attachment and embed details for electrical, mechanical and structural requirements related to the discrete artwork.
- Provide construction support services, such as guidance and technical know-how in complicated interface of discrete artwork.
- Coordinate review of material submissions with Metro Art.

### Breakdown of Artwork Related Engineering Costs

<u>Final Design</u>	<u>Budget</u>	<u>Cost Incurred</u>
Section Designer	63,000	76,000
EMC	20,000	6,000
Subtotal	83,000	82,000
<u>Design Support During Construction</u>	<u>Budget</u>	<u>Cost Incurred</u>
Section Designer	0	0
EMC	45,000	0
Subtotal	45,000	0
<b>Total</b>	<b>128,000</b>	<b>82,000</b>

## C0321 Universal City Station

### Description of Artwork Requiring Design Support

Ceramic art tile on four columns. Polystyrene die-cut letters for entry signage, requiring attachment system. Text and graphic layout for GFRC timeline wall requiring embed inserts and backing plates, anchors and expansion bolts.

### Section Designer Support During Final Design (completed)

- Provided overall layout of station and requirements of system as established.
- Determined elements of the design in collaboration with artist which became part of the integrated station design concept.
- Prepared specifications and installation drawings, plans, elevations, and details for artwork which are part of the station design finish elements.
- Developed final design plans, specifications and calculations, and reviewed with artist.

### EMC Support During Final Design (completed)

- Informed Metro Art of design changes that impact artist/architect collaboration.
- Coordinated discrete artwork-related drawings.
- Coordinated discrete artwork specifications.

### EMC Design Support During Construction (DSDC) (anticipated)

- Coordinate with Metro Art to assure involvement in review of all shop drawings for any elements that may directly or indirectly impact the discrete artwork, such as cast iron railing and wainscoting, and timeline wall.
- Review artist's shop drawings and revise attachment and embed details for structural requirements related to the timeline wall discrete artwork.
- Provide construction support services, such as guidance and technical know-how in complicated interface of discrete artwork.
- Coordinate review of material submissions with Metro Art.

### Breakdown of Artwork Related Engineering Costs

<u>Final Design</u>	<u>Budget</u>	<u>Cost Incurred</u>
Section Designer	63,000	43,000
EMC	20,000	13,000
Subtotal	83,000	56,000
<u>Design Support During Construction</u>	<u>Budget</u>	<u>Cost Incurred</u>
Section Designer	0	0
EMC	45,000	0
Subtotal	45,000	0
<b>Total</b>	<b>128,000</b>	<b>56,000</b>

## C0351 North Hollywood Station

### Description of Artwork Requiring Design Support

Three artist-designed curved ceramic tile murals located over station entry stairway. Eleven (11) circular and semi-circular ceramic tile niches located on platform and mezzanine level walls.

### Section Designer Support During Final Design (completed)

- Provided overall layout of station and requirements of system as established.
- Determined elements of the design in collaboration with artist which became part of the integrated station design concept.
- Prepared specifications and installation drawings, plans, elevations, and details for artwork which are part of the station design finish elements.
- Developed final design plans, specifications and calculations, and reviewed with artist, including tile pattern, layout and cutting.

### EMC Support During Final Design (completed)

- Informed Metro Art of design changes that impacted artist/architect collaboration.
- Coordinated discrete artwork-related drawings.
- Coordinated discrete artwork specifications.

### EMC Design Support During Construction (DSDC) (anticipated)

- Coordinate with Metro Art to assure involvement in review of all shop drawings for any elements that may directly or indirectly impact the discrete artwork.
- Coordinate review of material submissions with Metro Art.

### Breakdown of Artwork Related Engineering Costs

<u>Final Design</u>	<u>Budget</u>	<u>Cost Incurred</u>
Section Designer	63,000	62,000
EMC	20,000	10,000
Subtotal	83,000	72,000
<u>Design Support During Construction</u>	<u>Budget</u>	<u>Cost Incurred</u>
Section Designer	0	0
EMC	45,000	0
Subtotal	45,000	0
<b>Total</b>	<b>128,000</b>	<b>72,000</b>