

RESOLUTION NO. 2002 - 9

AUTHORIZING A CHANGE ORDER TO CONTRACT NO. 92114 WITH LICHTENSTEIN CONSULTING ENGINEERS FOR ENGINEERING SERVICES FOR PROJECT 20-REHABILITATION OF THE CUYAHOGA VIADUCT AND TWO TRANSIT TRACK BRIDGES AT A PRICE OF \$73,648.00 (RTA DEVELOPMENT FUND, PROJECT DEVELOPMENT AND ENGINEERING DEPARTMENT BUDGET)

WHEREAS, the Board of Trustees by Resolution No. 1993-5 authorized Contract No. 92114 in the amount of \$618,181.00 with Lichtenstein Consulting Engineers located at 445 Hutchinson Avenue, Columbus, Ohio 43235 to provide engineering services for Project 20, Rehabilitation of the Cuyahoga Viaduct and Two Transit Track Bridges; and,

WHEREAS, by a combination of General Manager's change orders and Resolutions 1994-158 and 1998-56, said contract price was increased by \$177,944.00 for a contract price of \$796,125.00; and

WHEREAS, the General Manager subsequently approved one additional change order, involving a price increase of \$50,940.00 for a total contract price of \$847,065.00; and

WHEREAS, the Authority recognizes a need to have additional design services and construction support services for Phases III and IV of this project; and

WHEREAS, Lichtenstein Consulting Engineers has offered to provide such services at a negotiated price of \$45,510.00 for Phase III to be performed in the year 2002 and a negotiated price of \$28,138.00 for Phase IV (contingent upon future funding) for a total contract increase of \$73,648.00; and

WHEREAS, the General Manager considers acceptance of the offer from Lichtenstein Consulting Engineers as negotiated, to be in the best interest of the Authority and recommends acceptance thereof.

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of the Greater Cleveland Regional Transit Authority, Cuyahoga County, Ohio:

Section 1. That the price of Contract No. 92114 with Lichtenstein Consulting Engineers is hereby recognized as eight hundred forty seven thousand sixty five & 00/100 dollars (\$847,065.00)

Section 2. That the General Manager be authorized to amend said contract to include design and construction support services for Phase III and Phase IV.

Section 3. That the price of said contract be increased by seventy three thousand six hundred forty eight & 00/100 dollars (\$73,648.00) for a total contract amount of nine hundred twenty thousand seven hundred thirteen & 00/100 dollars (\$920,713.00).

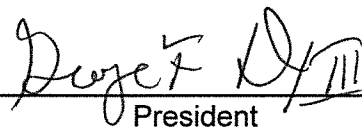
Section 4. That the cost of said amendment be payable from the RTA Development Fund, including but not limited to Capital Grant OH-23-9001 (\$62,600.80 in Federal Funds, which represents 85% of the total cost) in the amount of seventy three thousand six hundred forty eight & 00/100 dollars (\$73,648.00).

Section 5. That the General Manager be and he is reauthorized to exercise his full change order authority under GCRTA Procurement Policy, Section 1-4.2.7.2, as applied to Contract No. 92114 with Lichtenstein Consulting Engineers.

Section 6 That all other terms and conditions of said contract shall remain unchanged.

Section 7. That this resolution shall become effective immediately upon its adoption.

Adopted: January 15, 2002

  
\_\_\_\_\_  
President

Attest:

  
\_\_\_\_\_  
CEO, General Manager/Secretary-Treasurer



Greater Cleveland Regional Transit Authority  
**STAFF SUMMARY AND COMMENTS**

TITLE/DESCRIPTION: AUTHORIZING A CHANGE ORDER TO CONTRACT NO. 92114 WITH LICHTENSTEIN CONSULTING ENGINEERS FOR ENGINEERING SERVICES FOR PROJECT 20-REHABILITATION OF THE CUYAHOGA VIADUCT AND TWO TRANSIT TRACK BRIDGES AT A PRICE OF \$73,648.00 (RTA DEVELOPMENT FUND, PROJECT DEVELOPMENT AND ENGINEERING DEPARTMENT BUDGET)	Resolution No.: 2002- 9
	Date: January 7, 2002
	Initiator: Project Development and Engineering
ACTION REQUEST: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Review/Comment <input type="checkbox"/> Information Only <input type="checkbox"/> Other _____	

1.0 PURPOSE/SCOPE: This action will allow the Authority to enter into a change order with Lichtenstein Consulting Engineers to include additional design services to prepare the construction documents and construction support services for Phases III and IV for Project 20.

2.0 DESCRIPTION/JUSTIFICATION: The Consultant will provide additional design services and construction support services for Phases III and IV of the Cuyahoga Viaduct Rehabilitation. The design services will be primarily for painting the bridge's existing structural steel, any remaining structural steel repairs, completion of any remaining drainage items and applying patching/sealing to the bottom surface of the deck slab and fascia within specific spans of the bridge. The Consultant will also provide the necessary construction services required during both of the phases.

3.0 PROCUREMENT BACKGROUND: The original scope of work for this A/E contract was for design services to rehabilitate the Cuyahoga Viaduct and two transit track bridges on the Redline and joint operating area. Due to financial constraints, the Authority divided the Viaduct portion of this project into four separate phases, as follows:

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|-----------|--|
| Phase I   | Rehabilitation of the Substructure                   |
| Phase II  | Rehabilitation of the Bridge Deck                    |
| Phase III | Painting of Approximately 50% of the Viaduct's Steel |
| Phase IV  | Painting of the Remaining 50% of the Viaduct's Steel |

This change order will allow for the completion of design services for Phases III and IV to be accomplished with consistency and continuity by the original design firm.

All Affirmative Action requirements have been met. The original contract DBE goal of 18% will be maintained in this change order by the utilization of Central Engineering, Inc., 869 West Bagley Road, Berea, Ohio 44017, an Asian American owned firm for updating property

owners and utility information, drainage design, and assistance to the prime A/E in the required construction support services at a price of \$13,813.00.

4.0 POLICY IMPACT: Does not apply.

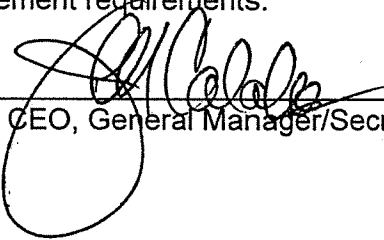
5.0 ECONOMIC IMPACT: The Engineer's Estimate for this change order was \$70,368.00. The negotiated price to perform this work was 4.7% above the Engineer's Estimate due to additional engineering hours required to prepare and finalize bid documents. The change order shall be funded in the amount of \$73,648.00 through the RTA Development Fund, including, but not limited to, Capital Grant OH-23-9001, Line Item: 15.08.01 (\$62,600.80 in Federal Funds, which represents 85% of the cost). Phase IV is included in the current CIP for planned expenditures in 2004. The execution of this phase is therefore contingent on future funds.

6.0 ALTERNATIVES: Reject this offer: Rejection of this change order would delay the engineering services for Project 20 and risk not having the bridges and viaduct available to meet the needs of the Authority and its riding public.

7.0 RECOMMENDATION: It is recommended that this request for a change order be accepted and the resolution passed authorizing the General Manager to enter into a contract change.

8.0 ATTACHMENTS: Change Order Log.

Recommended and certified as appropriate to the availability of funds, legal form and conformance with the Procurement requirements.



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CEO, General Manager/Secretary-Treasurer

# APPROVED CHANGE ORDERS

I-5

## PROJECT NO. 20 A/E SERVICES FOR THE CUYAHOGA VIADUCT

Contract # 92114

Contractor Lichtenstein Consulting Engineers

Original Contract Amount \$618,181.00

Total Change Order Amount To Date \$228,884.00

%Change to Date from Original Contract Amount 38%

ITEM NO.	NOTE No.	APPROVAL DATE	CHANGE ORDER AMOUNT	APPROVAL AUTHORITY	NEW CONTRACT AMOUNT
1. 1	1	8/31/94	\$62,000.00	General Manager	\$680,000.00
2. 2	2	10/18/94	\$ 7,129.00	General Manager	\$687,310.00
3. 3	3	10/30/95	\$37,305.00	Resolution No. 1994-158	\$724,615.00
4. 4A	4	4/21/98	\$62,695.00	General Manager	\$787,310.00
5. 5	5	5/12/98	\$ 8,815.00	Resolution No. 1998-56	\$796,125.00
6. 6	6	6/05/01	\$75,536.00	General Manager	\$847,065.00

### NOTES/CHANGE ORDER DESCRIPTION:

1. Change Order No. 1. Correct Deterioration of Structural Members
2. Change Order No. 2. Correct Deterioration of Structural Members
3. Change Order No. 3. Boring Retrieval, Sampling and Testing
4. Change Order No. 4A Divide Project into Four Phases (CO#4 issued as 4A, due to typographical errors.)
5. Change Order No. 5 Finalizes the Cost of Work Done Under CO#4A
6. Change Order No. 6 Construction Support Services for Phase II