

RESOLUTION NO. 76-97
CITY OF CENTERVILLE, OHIO

SPONSORED BY COUNCILMEMBER J.V. STONE ON THE
17th DAY OF NOVEMBER, 1997.

A RESOLUTION AUTHORIZING THE CITY MANAGER
TO EXECUTE PAYMENT FOR CHANGE ORDERS
NECESSARY FOR THE CONSTRUCTION OF THE
YANKEE STREET BRIDGE REPLACEMENT PROJECT,
FOR THE CITY OF CENTERVILLE.

WHEREAS, certain change orders for the construction of the Yankee Street
Bridge Replacement were necessary for the completion of the project; and

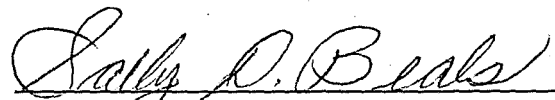
WHEREAS, the change orders have been presented to the City of Centerville for
payment by the contractor, Brumbaugh Construction, Inc.

NOW THEREFORE, THE MUNICIPALITY OF CENTERVILLE HEREBY
RESOLVES:

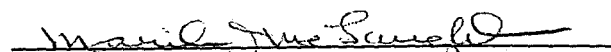
Section 1. That the City Manager is hereby authorized to execute payment for
change orders listed in Exhibit "A", attached hereto and incorporated herein, that were
necessary for the completion of the Yankee Street Bridge Replacement Project for the
City of Centerville.

Section 2. This Resolution shall become effective at the earliest date allowed
by law.

PASSED this 17th day of NOVEMBER, 1997.

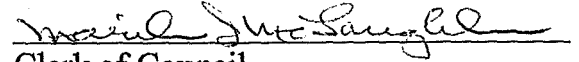

Mayor of the City of Centerville, Ohio

ATTEST:


Clerk of Council, City of Centerville, Ohio

CERTIFICATE

The undersigned, Clerk of the Council of the City of Centerville, Ohio, hereby certifies that the foregoing is a true and correct copy of Resolution Number 76-97, passed by the Council of the City of Centerville, Ohio, on the 17th day of NOVEMBER, 1997.


Clerk of Council

Approved as to form, consistency
with the Charter and Constitutional Provisions.

Department of Law
Robert N. Farquhar
Municipal Attorney



INTER-OFFICE
CORRESPONDENCE

CITY OF CENTERVILLE

TO: Greg Horn, City Manager

DATE: October 17, 1997

FROM: Norbert Hoffman, City Engineer *NH*

SUBJECT: Yankee Street Bridge Replacement Final Contract Invoice Close Out

The Brumbaugh Construction, Inc. has submitted request for final payment of the above noted project.

Comparison of final quantities to original estimates and noted changes or extras are as follows:

1. Item 203 embankment - The City ended with approximately 3000 CY of 304/asphalt material on site after the construction was complete. The quantity for embankment placed by Brumbaugh calculated from plan cross-sections by Bayer Becker was re-checked, and calculated from plan cross-sections by staff, all estimated embankment quantities are comparable. Brumbaugh claims if anything they placed more than the plan quantity (10,413 cys) of embankment. Bayer Becker's revised total for embankment was 11,498 CY as compared with staffs calculated quantity of 10,400 cys.

The question of left over 304/asphalt material is probably best rationalized by my overlooking the fact that Brumbaugh was instructed to provide 12 to 18 inches of top dirt over the entire embankment slope areas outside the future pavement areas. The estimated quantity to cover the embankment areas outside the future pavement areas with 18 inches of top dirt amounted to approximately 200 cubic yards.

Conclusion - The original quantity bid (10,413 cy) is less than the revised estimated quantity (11,496 cy) by Bayer Becker and similar to the quantity (10,400 cy) calculated by staff. Therefore Brumbaugh should be paid the original contract price of \$86,491.14 (10,413 cy x 8.306 = \$86,491.14).

2. Extra work authorized during construction (see attached summary by Brumbaugh).

Major costs were for extra work associated with:

- A. Relocation of the irrigation line items 2, 4, 5 & 6 (\$2,343). This work was done with oversight by John Miller and the golf course staff.

- B. Undercutting of poor subgrade material along the east side of Yankee Street outside the area of the box culvert or fill area. Much of the material removed was topsoil and was replaced with 304/asphalt fill material. Total costs for undercutting amounted to \$17,207.05 paid at unit bid prices.
- C. Additional excavation north of Yankee Trace Drive (entrance to section #1) amounted to \$3,880.00 paid at unit bid price for excavation.
- D. Type 6 guardrail quantity was increased by 118 LF at a cost of \$2,596.00 paid at unit bid price.
- E. In order to bring the project to a more desirable stage for maintaining traffic through the winter, additional 304 material and additional temporary pavement marking was necessary to complete asphalt base pavement and switch traffic to a more traditional flow.

NOTE: Brumbaugh Construction was not responsible for any delay of the construction schedule prior to winter weather setting in and halting construction work.

- F. \$2,075.50 to remove unused stockpiled 304 material from Great Traditions lots west of Yankee Street.

Although the total extra charges amount to \$34,834.62 there were several changes made deleting work which helped reduce the project costs. The following items were deleted or changed resulting in a savings from the original estimated cost.

- G. Total asphalt (base, intermediate and final courses) was reduced by \$3,970.00.
- H. Deletion of temporary pavement and incorporation into final pavement reduced cost by \$6,660.00.
- I. Pavement milling was eliminated which resulted in \$3,125.00 reduction.
- J. Concrete paved gutter was eliminated reducing costs by \$1,995.00.

Total savings realized in G, H, I, and J total approximately \$15,750.00.

Although other additions or deletions are shown on the final attached invoice the final invoice reflects work completed by Brumbaugh Construction, Inc. In completing the Yankee Street Bridge Replacement (Pedestrian Underpass) project. It is recommended the City approve a change order increasing the final contract amount from \$558,981.78 up to \$578,693.77 an increase of \$19,711.99 (3.53 percent increase).