



# City of North Royalton

Mayor Robert A. Stefanik

Daniel J. Collins, P.E.  
Assistant City Engineer

Amanda Demitro  
Engineering Secretary

**Mark A. Schmitzer, P.E.**  
City Engineer

## CHANGE ORDER #1

**PROJECT:** Ridge Road Culvert #183 Emergency Repairs

**CONTRACTOR:** Fabrizi Trucking & Paving Company, Inc.

**CHANGES ORDERED:** +/- Change (\$)

See attachment and memorandum +\$ 62,695.00

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**TOTAL CHANGE:** +\$ 62,695.00  
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**SUMMARY**

**DOLLARS**

Original Contract Total:	\$ 100,000.00
Net Change Previously Authorized:	\$ 0.00
Net Change, This Change Order #:	\$ 53,095.00
New Authorized Total:	\$ 162,695.00

- NOTE:
- A. The aforementioned changes, and the work affected thereby, are subject to all contract stipulations and covenants;
  - B. The rights of the Public Agency are not prejudiced; and
  - C. All claims against the Public Agency which are incidental to, or as a consequence of, the above changes are satisfied.

APPROVED:  
OWNER

APPROVED:  
CONTRACTOR

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date



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## Memorandum

**To:** Council, Mayor, and Finance Department

**From:** Mark A. Schmitzer, P.E. *MAS*  
City Engineer

**Date:** February 19, 2013

**Re:** Ridge Road Culvert # 183 Emergency Repairs  
Change Order #1 – **REVISED (2/19/2013)**  
Supplementary Information

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Please accept this explanation of the pending Change Order recommended by the Engineering Department for the additional work required to properly repair this storm sewer system:

*Original Contract Price:* \$ 72,550.00  
*Amount Authorized by Council:* \$ 100,000.00  
*Amount of Additional Work Allowed:* \$ 27,450.00

The contracted amount included replacement of 20 feet of pipe, and I asked Council to authorize up to \$100,000.00 to allow for some contingency as we were uncertain as to the extent of the damage. It has been determined that the amount of pipe to be installed will be a total length of 38 feet. The contract included a cost per linear foot for additional pipe to be installed at the 30' depth of \$3,200.00 per linear foot. Therefore, we have an additional 18 feet which equates to a price of \$57,600.00. Therefore, the contract needs to be adjusted as follows:

*Additional Pipe Work:* \$ 57,600.00  
*Additional Amount Built In to Contract:* \$ (27,450.00)  
*Total Additional for Pipe Work:* \$ 30,150.00

It has also been determined that the upstream juncture to this repair area is a 36" by 36" cast in place 4 sided concrete culvert. This does not allow for a structurally sound joint of the 42" reinforced concrete pipe we are installing to this structure. Therefore, a cost has been proposed to install a custom precast concrete vault/manhole to make this transition work, as well as provided future access to this system. The cost for this work is as follows:

*Additional Vault/Manhole Structure:* \$ 22,685.00  
*Pipe Work Additional (from above):* \$ 30,150.00  
*Total Additional Work to Original Contract:* \$ 52,835.00

Lastly, the outlet of this entire storm system is completely blocked, with only approximately the top 3" visible above ground. This outlet needs to be repaired by removal of the accumulated debris, removal and resetting of 3 pipes, and stabilization of the embankment above and around the pipes. It also requires the removal of a large cottonwood tree that is directly above the storm pipe and ready to fall. This proposed work is approximately 30' below the top of the existing slope and on property owned by both Gross Builders and Maya Realty, Ltd. (dba Michael Debs, MD). There is no existing storm sewer easement over this portion of the storm sewer system. This work is necessary to be performed in order to not endanger the repairs performed upstream, as well as not cause any additional erosion of the embankment above the storm outfall which could result in a larger blockage in the system. The Engineering Department feels the cost provided below is justified and fair and is recommending this approval as well. Official authorization will be sought from both property owners prior to commencing work, and ultimately an easement over the system will need to be granted to the City from the owners for future access and maintenance. I do not see any issues with the owners granting this easement to the City as it will relieve them of the burden we are performing. See additional cost below:

<i>Additional Outlet Repairs:</i>	\$ 9,860.00
<i>Additional Work (from above):</i>	\$ 52,835.00
<i>Final Additional Work to Original Contract:</i>	\$ 62,695.00

Therefore, the new project total cost is \$ **162,695.00**. The total Change Order being requested is for \$ 62,695.00.

\*\* End of Memorandum \*\*