

Memorandum

To: Doug Hasler
School Board Members

From: David J. Spooner *David J. Spooner*

Date: November 29, 2016

Re: Bid #1248-1 – HOCHS Third Street parking Lot - USA, Inc. - Change Order #3

Bid #1248-1 – HOCHS Parking Lot Improvements – Utility Systems of America, Inc. was approved at the School Board Meeting on May 17, 2016 with a base bid plus alternate #1, and CO #1 for a total of \$701,448.00.

Change Order #3 to this bid is for the added cost as identified in the following 13 change order items as identified in the attachments.

This is a substantial change order list, and Bill Hanson and I have reviewed each item in depth both at the time the work occurred and in summary. These costs incurred were the most effective and efficient means to complete the project in a satisfactory manner. All items were unforeseen and not in the original contract.

The additional cost is \$108,111.02 for CO#3, with a total revised contract cost including base bid alternate #1, CO#1, and CO #3 for a new contract total of \$809,559.02.

Recommendation:

It is recommended the School Board approve the change order as listed above; the additional cost is \$108,111.02 for CO#3, with a total revised contract cost including base bid alternate #1, CO#1, and CO #3 for a new contract total of \$809,559.02.

Attachments

DH

Date of Issuance: 11/28/16	Effective Date: 11/28/16
Owner: ISD 709 - Bill Hanson	Owner's Contract No.:
Contractor: Utility Systems of America (USA) – Dale Cich	Contractor's Project No.:
Engineer: Northland Consulting Engineers, LLP - David Bolf, P.E.	Engineer's Project No.: 15-063-C
Project: HOCHS Parking Lot Improvements	Contract Name:

The Contract is modified as follows upon execution of this Change Order:

Description:


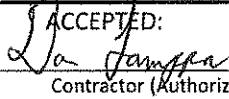
This change order adjusts the contract to include all extra work completed on the project. A summary of the description of work and the amounts are listed below:

- | | |
|---|---|
| 1) 3 rd Street Wall Lean Concrete - \$56,750.00 | 8) Window Wall Joint Connection - \$1,540.00 |
| 2) 3 rd Street Wall Over Excavation - \$4,147.50 | 9) Cleaning of Rock along 3 rd Street - \$6,950.00 |
| 3) Lake Ave. Wall Lean Concrete - \$6,500.00 | 10) Plan Review and Approval Fees - \$6,489.92 |
| 4) Rock Removal - \$1,500.00 | 11) Remove Concrete Wall Footing - \$4,000.00 |
| 5) Water Main Over Excavation - \$1,800.00 | 12) Lane Closures - \$6,733.60 |
| 6) Greenhouse Foundation Removal - \$3,825.00 | 13) Temporary Water Service - \$2,900.00 |
| 7) Tuck Point Coal Room Wall - \$4,975.00 | |

Total Cost of Extra Work: **\$108,111.02**

Attachments: See attached change order documentation from Utility Systems of America (U.S.A.).

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES
Original Contract Price: \$ 694,848.00	Original Contract Times: Substantial Completion: _____ Ready for Final Payment: _____ days or dates
Net amount of previously approved Change Orders: \$6,600.00	[Increase] [Decrease] from previously approved Change Orders No. ___ to No. ___: Substantial Completion: _____ Ready for Final Payment: _____ days
Contract Price prior to this Change Order: \$ 701,448.00	Contract Times prior to this Change Order: Substantial Completion: _____ Ready for Final Payment: _____ days or dates
Increase of this Change Order: \$ 108,111.02	Decrease of this Change Order: Substantial Completion: _____ Ready for Final Payment: _____ days or dates
Contract Price incorporating this Change Order: \$ 809,559.02	Contract Times with all approved Change Orders: Substantial Completion: _____ Ready for Final Payment: _____ days or dates

RECOMMENDED:	ACCEPTED:	ACCEPTED:
By:  Engineer	By: _____ School Board Chair (Authorized)	By:  Contractor (Authorized)
Name: David Bolf, P.E.	Name: Annie Harala	Name: Dan Lamppa
Date: 11/28/16	Date: _____	Date: 11-28-16

REVISED

Hochs Parking Lot Project
Change Orders

#001 - 3 rd Street Wall – 113.5 Yards Lean Concrete as authorized by Adam @\$500.00 Per Yard – Per Truck Tickets	\$56,750
#002 - 3 rd Street Wall – 113.5 Yards over excavation as authorized by Adam @\$35.00 Per Yard	\$4,147.50
#003 - Lake Ave. Wall - 13 Yards Lean Concrete as authorized by Adam @ \$500.00 Per Yard	\$ 6,500
#004 - Rock Removal - Rock Removal – Parking Lot as authorized by Adam 5 Yards -@\$300.00 Per Yard	\$ 1,500
#005 - Water Main Over Excavation - Due to alignment problem with water Main intersecting with walkway and other piping Inside building - as authorized by Adam Excavation – 24 Yards - @\$35.00 Per Yard	\$ 840
Backfill with granular material - 24 Yards - @\$40.00 Per Yard	\$ 960
#006 - Greenhouse Foundation Removal as authorized by Adam Excavation – 7 Hours @ \$250.00 Per Hour	\$ 1,750
Labor - 6 Hours @ \$100.00 Per Hour	\$ 600
Trucking - 7 Hours @ 125.00 Per Hour	\$ 875
Material Disposal – 5 Loads	\$ 600
#007 – Tuck Point Coal Room Wall - as authorized by Adam 3 Days – 2 Labors 3 x 8 = 24 Hours x 2 Labors = 48 Hours 48 Hours @ \$100.00 Per Hour	\$ 4,800
Materials	\$ 175
#008 - Window Wall – Joint Connection – As per agreement with architect and engineer Repair of window wall and joint connection between Garage and main school Labor – 9 Hours @\$100.00 Per Hour	\$ 900
Concrete Material	\$ 390
Dale's time – 2 Hours @ \$125.00 Per Hour	\$ 250

#009 - Clean Rock – 3 rd Street	
Vac Truck w/Operator	
9 Hours @ \$500.00 Per Hour	\$ 4,500
Labor - 2 Laborers – 8 Hours	
16 Hours @ \$100.00 Per Hour	\$ 1,600
Dale - 4 Hours @ \$125.00 Per Hour	\$ 500
Dump Fee	\$ 350
#010 - Plan Review and Approval (Not Included in Plans or Specs)	\$ 6,489.92
#011 - Remove Concrete Footing – Lower Man Hole	
Jack Hammer & Compressor	
16 Hours @ \$50.00 Per Hour	\$ 800
Labor – 2 Laborers –	
16 Hours x 2 = 32 Hours	
@ \$100.00 Per Hour	\$ 3,200
#012 - Lane Closures - 40 Days @ \$168.34 Per Day	\$ 6,733.60
#013 – Temporary Water Service	\$2,900
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Total	\$ 108,111.02



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~~REVISED~~
REVISED

#001

November 1, 2016

Adam Zwak
Northland Consulting Engineers
102 South 21st Avenue West
Duluth, MN 55806

Hochs Parking Lot Project
3rd Street Wall
Change Order

130 Yards – Lean Concrete as authorized by Adam

@\$500.00 Per Yard – Per Truck Tickets	\$65,000.00
Less - 100' x 6' x 9/12'/27 = 16.5 Yards @ \$500 = (Total Yards 113.5)	- 8,250.00
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	\$ 56,750.00



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#002

November 1, 2016

Adam Zwak
Northland Consulting Engineers
102 South 21st Avenue West
Duluth, MN 55806

Hochs Parking Lot Project
3rd Street Wall
Change Order

130 Yards Over Excavation as authorized by Adam

@\$35.00 Per Yard \$ 4,725.00

Less - 100' x 6' x 9/12/27 = 16.5 Yards
@ \$35,00 Per Yard = - 577.50

\$ 4,147.50



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#003

November 1, 2016

Adam Zwak
Northland Consulting Engineers
102 South 21st Avenue West
Duluth, MN 55806

Hochs Parking Lot Project
Lake Ave. Wall
Change Order

13 Yards – Lean Concrete as authorized by Adam

@\$500.00 Per Yard

\$6,500.00



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#004

November 1, 2016

Adam Zwak
Northland Consulting Engineers
102 South 21st Avenue West
Duluth, MN 55806

Hochs Parking Lot Project
Rock Removal – Parking Lot
Change Order

As authorized by Adam

5 Yards - @ \$300.00 Per Yard

\$1,500.00



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#005

November 1, 2016

Adam Zwak
Northland Consulting Engineers
102 South 21st Avenue West
Duluth, MN 55806

Hochs Parking Lot Project
Water Main Over Excavation
Change Order

Due to alignment problem with water main intersecting with walk way
and other piping inside building -- as authorized by Adam

Excavation - 24 Yards - @ \$35.00 Per Yard	\$ 840.00
Backfill with granular material at same location after pipe is installed - 24 Yards - @\$40.00 Per Yard	\$ 960.00
Total	<u>\$ 1,800.00</u>



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#006

November 1, 2016

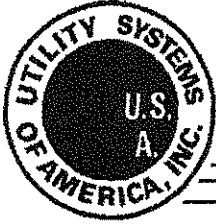
Adam Zwak
Northland Consulting Engineers
102 South 21st Avenue West
Duluth, MN 55806

Hochs Parking Lot Project
Greenhouse Foundation Removal
Change Order

As Authorized by Adam

Excavation - 7 Hours @ \$250.00 Per Hour	\$ 1,750.00
Labor - 6 Hours @ \$100.00 Per Hour	\$ 600.00
Trucking - 7 Hours @ \$125.00 Per Hour	\$ 875.00
Material Disposal - 5 Loads	\$ 600.00

Total \$ 3,825.00



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#007

November 1, 2016

Adam Zwak
Northland Consulting Engineers
102 South 21st Avenue West
Duluth, MN 55806

Hochs Parking Lot Project
Tuck Pointing Coal Room Wall
Change Order

As authorized by Adam

3 Days - 2 Laborers

3 x 8 Hours = 24 Hours x 2 Labors = 48 Hours

48 Hours @ \$100.00 Per Hour

Materials

\$ 4,800.00

\$ 175.00

Total

\$ 4975.00



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#008

November 2, 2016

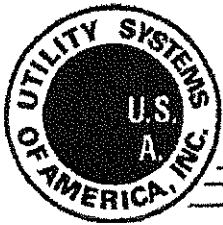
Adam Zwak
Northland Consulting Engineers
102 South 21st Avenue West
Duluth, MN 55806

RE: Hochs Parking Lot Project
Window Wall – Joint Connection
Change Order

As per agreement with architect and engineer – Adam authorized

Repair of window wall and joint connection between
Garage and main school

Labor - 9 Hours @ \$100.00 Per Hour	\$ 900.00
Concrete Material	\$ 390.00
Dale's Time – 2 Hours @\$125.00 Per Hour	\$ 250.00
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Total	\$ 1,540.00



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#009

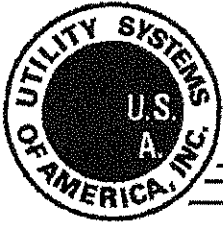
November 16, 2016

Adam Zwak
Northland Consulting Engineers
102 South 21st Avenue West
Duluth, MN 55806

RE: Hochs Parking Lot Project
Change Order

Clean Rock off of 3rd Street prior to
Pouring Lean concrete
Authorized by: Braun Engineering

Vac Truck w/operator	
9 Hours @ \$500.00 Per Hour	\$4,500
Labor – 2 Laborers – 8 Hours each	
16 Hours @\$100.00 Per Hour	\$ 1,600
Dale – 4 Hours @ \$125.00 Per Hour	\$ 500
Dump Fee –	\$ 350
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	\$ 6,950



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#010

November 16, 2016

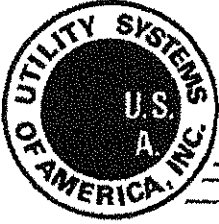
Adam Zwak
Northland Consulting Engineers
102 South 21st Avenue West
Duluth, MN 55806

RE: Hochs Parking Lot Project

Change Order
Plan Review and Approval

Plan Review and Approval
(Not included in plans or specs)

\$ 6,489.92



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#011

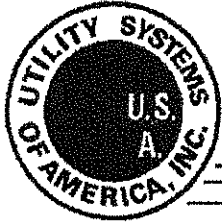
November 16, 2016

Adam Zwak
Northland Consulting Engineers
102 South 21st Avenue West
Duluth, MN 55806

RE: Hochs Parking Lot Project
Change Order
Authorized by Adam Zwak

Remove Concrete Footing on Lake Avenue
Lower Man Hole

Jack Hammer and Compressor	
16 Hours @ \$50.00 Per Hour	\$ 800
Labor – 2 Laborers	
16 Hours x 2 = 32 Hours	
@ \$100.00 Per Hour	\$ 3,200
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	\$ 4,000



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#012

November 17, 2016

Adam Zwak
Northland Consulting Engineers
102 South 21st Avenue West
Duluth, MN 55806

RE: Hochs Parking Lot Project
Lane Closure Cost
Change Order

Lane Closures - 40 Days @ \$168.34 Per Day

\$ 6,733.60



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#013

Adam Zwak
Northland Consulting Engineers
102 South 21st Avenue West
Duluth, MN 55806

RE: Hochs Parking Lot Project
Temporary Water Service

Temporary Water Service

\$ 2,900.00