

VILLAGE OF LOMBARD
REQUEST FOR BOARD OF TRUSTEES ACTION
For Inclusion on Board Agenda

 X Resolution or Ordinance (Blue) _____ Waiver of First Requested
_____ Recommendations of Boards, Commissions & Committees (Green)
_____ Other Business (Pink)

TO: PRESIDENT AND BOARD OF TRUSTEES

FROM: William T. Lichter – Village Manager

DATE: August 4, 2004 (COW) (B of T) **Date:** 8/19/04

TITLE: Lombard Hills East (Phase V) Reconstruction
Change Order No. 1

SUBMITTED BY: David A. Dratnol, P.E., Village Engineer *Das*

BACKGROUND/POLICY IMPLICATIONS:

See Memo

FISCAL IMPACT/FUNDING SOURCE:

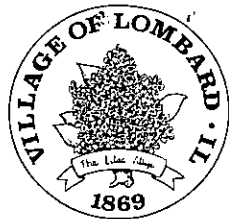
THIS CHANGE ORDER: \$66,818.20 INCREASE / Motor Fuel Tax
TOTAL CONTRACT: \$2,086,489.50
P.O. No.: 049219
HTE Project No.: 0412
HTE Acct: 7370.809450
Public Works Project Number: ST-04-07

Review (as necessary):

Village Attorney X	_____	Date _____
Finance Director X <i>AA</i>	<i>Leonard J Flood</i>	Date <i>8/10/04</i>
Village Manager X	<i>William T. Lichter</i>	Date <i>8/10/04</i>

NOTE: All materials must be submitted to and approved by the Village Manager's Office by 12:00 noon, Wednesday, prior to the Agenda Distribution.

040360



InterOffice Memo

To: William T. Lichter, Village Manager
From: David A. Dratnol, P.E., Village Engineer *DD*
Date: August 4, 2004
Subject: Lombard Hills East – Phase 5,
 Change Order No. #1

Attached please find Change Order No. 1 for this project in the amount of \$66,818.20. It represents several items as discussed below.

ADDITIONAL UNDERCUTTING ON STEWART AND BERKSHIRE (STEWART TO LOMBARD)

Stewart Avenue

During excavation of Stewart Avenue the majority of the subgrade was found to have soft, black material that required undercutting. The areas of undercutting were determined by proof rolls and the use of the cone penetrometer by Testing Service Corporation. Christopher B. Burke Engineering, Ltd. has reviewed the soil borings found in the specifications and believes that Boring Number 40 is not representative of the soils found in the subgrade on Stewart. The other 4 borings (19, 37, 38, 39) are more representative of the field conditions. Generally, they show soft materials (Q_u of 1.5 to 2.25) to a depth of 3 feet. Since the depth of the roadway is 1.08 feet, a 1.5 to 2-foot undercut would be required to build the roadway on stable soils. The depth of undercuts on Stewart averaged 1.5 to 2 feet for almost the entire length.

As a result of the field conditions, the quantity for Removal and Disposal of Unsuitable Materials and PGE, Subgrade on Stewart Avenue increased from 578 cubic yards to 1441 cubic yards.

The contractor still has to excavate Berkshire from Station 722+50 to 726+28 and the entire length of Lombard, therefore, we recommend increasing the quantities for Removal and Disposal of Unsuitable Materials and PGE, Subgrade for the additional quantity used on Stewart Avenue in the amount of 863 cubic yards, which is a net addition to the contract of \$27,616.00

ADDITIONAL SIDEWALK REMOVAL AND REPLACEMENT

The plans show the areas of sidewalk to be removed and replaced, however, after a site visit with the Resident Engineer, we determined that additional sidewalk removal and replacement was required.

Also, a new line item is being added for the colored ADA ramps now required by the Illinois Department of Transportation. The first 3 feet of sidewalk behind the curb has to be red, rather than standard gray concrete. Based on an estimated quantity of 150 square feet, the addition to the contract will be \$622.50

The estimated quantities are as follows:

Item	Plan Quantity	Estimated Quantity	Unit Cost	Net Cost
P.C.C. Sidewalk, 5", Spl.	24,151 sf	26,500 sf	\$2.45	\$5,755.05
Sidewalk Removal	25,206 sf	27,555 sf	\$0.85	\$1,996.65
Colored PCC Sidewalk Ramps, 5"	0 sf	150 sf	\$4.15	\$622.50

The net addition to the contract for sidewalk is \$8,374.20.

UNDERGROUND ITEMS

20800250 – Trench Backfill

The quantity for trench backfill, special needs to be increased from 8028 cubic yards to 9226 cubic yards. The design engineer and the resident engineer have determined that the increase in this quantity is due to the depths of the services. The designer estimated a depth of 3.5 feet for the services, but the resident engineer averaged depths of 5 to 6 feet for the services. Also, additional trench backfill was required in the cul-de-sacs and for several exploratory trenches required to locate services. This results in a net addition to the contract of \$31,747.00

Catch Basins

The catch basins installed on the project differ from the plan quantity as follows:

Item	Plan Quantity	Actual Quantity	Unit Cost	Net Cost
Catch Basins, Type D	36 each	34 each	\$1,400.00	(\$2,800.00)
Catch Basins, Type A	3 each	6 each	\$1,650.00	\$4,950.00

This results in a net addition to the contract in the amount of \$2,150.00

Inlets

The summary of quantities show 8 each of Inlets, Type A with a Type 3 frame and grate, however, Inlet # 72 on Lombard Avenue is proposed with a Type 1 Frame and Open Lid. A new line item is being added for the Inlet with a Type 1 Frame and Open Lid, and one each is being deducted from the Inlet with a Type 3 frame and grate line item found in the contract. This results in a net deduction to the contract of \$25.00.

Valve Vaults

The two proposed valve vaults at Pleasant and Lombard are shown to be installed on the existing water main. The existing water main was found to be 3.5 feet deep, therefore, the valve vault could not be installed. The underground department of the public works concurred that using valve boxes at these locations would be acceptable. A new line item is being added for the two valve boxes, and two each will be deducted from the valve vault line item found in the contract. This results in a net deduction to the contract of \$3,044.00.

This item will be presented to the Public Works Committee on August 10, 2004. Pending Committee recommendation, please present this change order to the President and Board of Trustees for their review and approval at their regular meeting on August 19, 2004. If approved, please have two signed copies returned to Engineering for further processing.

cc: File: ST-04-07

RESOLUTION
R _____ 05

A RESOLUTION AUTHORIZING A CHANGE ORDER
INVOLVING AN INCREASE IN THE DOLLAR AMOUNT OF
THE CONTRACT OF \$10,000 OR MORE

WHEREAS, pursuant to Illinois Compiled Statutes, Chapter 720, Section 5/33E-9, units of local government are required to make specific findings prior to authorizing any change order relative to a contract which would increase or decrease the dollar amount of the contract by \$10,000 or more, or would extend or shorten the time in which the contract is to be completed by thirty days or more; and

WHEREAS, staff has presented and recommended the proposed Change Order No. 1 to the contract between the Village of Lombard and R. W. Dunteman Company regarding the Lombard Hills East Phase V Project, as attached hereto as Exhibit "A" and made part hereof, to the Corporate Authorities of the Village of Lombard; and

WHEREAS, said change order attached hereto as Exhibit "A" would increase the dollar amount of the contract by \$66,818.20.

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF LOMBARD, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: That after reviewing the explanation of staff as to the necessity of and reasons for the change order attached hereto as Exhibit "A", the President and Board of Trustees find as follows:

- A. That the circumstances which necessitated said change order were not reasonably foreseeable at the time the contract was entered into.
- B. That the basis of the change order was not within the contemplation of the contract when the contract was signed.
- C. That it is in the best interests of the Village of Lombard to approve the change order in its proposed form.
- D. That to the extent that it may have been necessary to go to bid relative to the work contemplated by said change order, bidding is hereby specifically waived as to the change order work.

SECTION 2: That having made the findings set forth in Section 1 above, the President and Board of Trustees hereby approve the change order attached hereto as Exhibit "A", and direct and authorize the Village President and Village Clerk to execute said change order on behalf of the Village.

Adopted this _____ day of _____, 2004.

Ayes: _____

Nays: _____

Absent: _____

Approved this _____ day of _____, 2004.

William J. Mueller
Village President

ATTEST:

Barbara A. Johnson
Deputy Village Clerk

APPROVAL AS TO FORM:

Thomas P. Bayer
Village Attorney

VILLAGE OF LOMBARD CHANGE ORDER

PROJECT NAME: Lombard Hills East - Phase 5 PROJECT NO.: ST-04-07

LOCATION: South of Sunset Avenue, north of Pleasant,
east of Main Street, and west of Grace Street CHANGE ORDER: 1

CONTRACTOR: R.W. Dunteman Company DATE: 8/2/2004

DESCRIPTION OF CHANGE ORDER: Additional quantity for the excavation of unsuitable soils and sidewalk removal and replacement; addition of colored sidewalk for ADA sidewalk ramps; addition of underground items not included in the contract and corresponding deductions.

ORIGINAL CONTRACT AMOUNT:	[1]	<u>\$2,019,671.30</u>
TOTAL OF PREVIOUS AUTHORIZED CHANGE ORDERS:	[2]	<u>\$0.00</u>
CURRENT CONTRACT AMOUNT: (([1]+[2]))	[3]	<u>\$2,019,671.30</u>
PROPOSED CHANGE ORDER: (PENDING APPROVAL)	[4]	<u>\$66,818.20</u>
PROPOSED REVISED CONTRACT AMOUNT: (PENDING APPROVAL) (([3]+[4]))	[5]	<u>\$2,086,489.50</u>

NET OF ALL CHANGE ORDERS: (PENDING APPROVAL) (([2]+[4]))	<u>\$66,818.20</u>
TIME EXTENSION OR REDUCTION:	<u>N/A</u>
TOTAL CONTRACT TIME: (PENDING APPROVAL)	<u>N/A</u>
BUDGET ESTIMATE:	<u>\$2,552,000.00</u>
ENGINEER'S ESTIMATE:	<u>\$2,420,578.00</u>

RECOMMENDED FOR ACCEPTANCE :

<p><u>Lisa M. Harspenc</u> <u>8/5/04</u> Resident Engineer Date</p> <p><u>Tom Ballard</u> <u>8/05/04</u> Contractor Date</p> <p><u>David A. Drake</u> <u>8/5/04</u> Village Engineer Date</p> <p><u>Wesley Dunteman</u> <u>8/5/04</u> Director of Public Works Date</p> <p>_____ Asst. Director of Finance Date</p>	<p>Approved By: _____ Date</p> <p style="text-align: center;">Director of Finance</p> <p>Approved By: _____ Date</p> <p style="text-align: center;">(<\$10K or 25%) Village Manager</p> <p>Approved By: _____ Date</p> <p style="text-align: center;">(>\$10K or 25%) Village President</p> <p>Attest: _____ Date</p> <p style="text-align: center;">Village Clerk</p>
---	--

It is understood that as part of this change order that the Contractor agrees that all bonds, permits, insurance and guarantees are hereby extended to incorporate this Change Order.

NO	ITEM	CURRENT QUAN	UNIT	UNIT PRICE	REVISED QUAN	DIFFERENCE	AMOUNT
20201200	Removal and Disposal of Unsuitable Material	2064	CY	\$19.00	2927	863	\$16,397.00
	Porous Granular Embankment,						
20700420	Subgrade	2064	CY	\$13.00	2927	863	\$11,219.00
20800250	Trench Backfill, Special	8028	CY	\$26.50	9226	1198	\$31,747.00
42400430	P.C.C. Sidewalk, 5 inch, Spl	24151	SF	\$2.45	26500	2349	\$5,755.05
44000600	Sidewalk Removal	25206	SF	\$0.85	27555	2349	\$1,996.65
60200305	Catch Basins, TA, 4' Dia., T3 F&G	3.0	EACH	\$1,650.00	6	3	\$4,950.00
60235700	Inlet, TA, Type 3 F&G	8.0	EACH	\$800.00	7	(1)	(\$800.00)
60248900	Valve Vaults, TA, 5' Dia., T1F, CL	8.0	EACH	\$1,900.00	6	(2)	(\$3,800.00)
X9000001	Catch Basins, TD, 3' Dia., T3 F&G	36.0	EACH	\$1,400.00	34	(2)	(\$2,800.00)
X9100000	Inlets, TA, T1F, OL	0.0	EACH	\$775.00	1	1	\$775.00
X9100001	6" Valve Box	0.0	EACH	\$378.00	2	2	\$756.00
X9100002	Colored PCC Sidewalk Ramps, 5"	0.0	SF	\$4.15	150	150	\$622.50
TOTAL							\$66,818.20