DISTRICT 1& 4

VILLAGE OF LOMBARD REQUEST FOR BOARD OF TRUSTEES ACTION

For Inclusion on Board Agenda

X		of Boards, Commission	Waiver of First Requested s & Committees (Green)
то:	PRESIDENT AND	BOARD OF TRUSTE	ES
FROM:	Scott Niehaus, Villa	age Manager	
DATE:	April 4, 2017	(COW) (B of T)	Date: April 20, 2017
TITLE:	TIF District Lightin Change Order No. 3		
SUBMITTED BY:	David Gorman, P.E	., Assistant Director of	Public Works 1004
FISCAL IMPACT/I	e to original contract FUNDING SOURC	and a time extension for	or project completion.
\$26,825.49 INCREA			OC 805 40)
PO #: 2017-000043		53.65 (\$232,138.16 + \$2	20,823.49)
Account: 410.710.72			
Project #: ST 17-07	23.73420		
110]001 11. 01 17-07			
Village Manager X_		<u> </u>	Date

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

Distribution.



To: Scott Niehaus, Village Manager

Through: Carl S. Goldsmith, Director of Public Works

From: David Gorman, P.E. Assistant Director of Public Works 1000

Date: April 4, 2017

Subject: Contract Amendment, TIF Lighting Improvements

Change Order #3 (Final)

Attached please find Change Order No. 3 in the amount of a net increase of \$26,825.49 for five (5) Time and Material billings and a time extension establishing a revised final completion date of March 3, 2017.

Time and Material billings for the extra work are attached. During the assessment of the project the Street, Forestry and Electrical Division suspected that there were a number of faults within the electrical conduit on St. Charles Road and Main Street. These areas could not be verified until the existing wire was pulled out of the conduit.

<u>Time and Material Billing #1 (January 27, 2017)</u> \$1,856.73

<u>Time and Material Billing #2 (January 30th to February 2nd)</u> \$7,535.71

The additional work on these billings is related to steaming and extra cleaning of conduit that had excessive sediment due to numerous broken conduits. Conduits were heavily filled with sediment and debris and ice. This made it physically impossible to clean solely with compressed air gun and low pressure water hose. Therefore, extensive mechanical means, including a high pressure washer and tank were employed to pull the existing wire. The effort for rodding and cleaning exceeded the parameters of the existing pay item. Per the contract language, the contractor will be paid for excessive dirt, debris or other material when rodding and cleaning the conduit is not feasible. Work also included repairing areas of broken conduit.

Village staff is pursuing reimbursement in the amount of \$1,955.53 from MCI/Verizon for work under Time and Material Billing #2 and a previous Time and Material Billing.

Time and Material Billing #3 (February 6th and February 9th) \$3,192.60

This is related to work in the commuter parking lot on the north side of St. Charles Road just east of Fire Station #1. There proved to be no record drawings related to the wiring of the commuter parking lot lighting. However, the contractor was able to trace down wiring within the system and ultimately found a buried hand hole. Cable was spliced in the hand hole so when the area is potentially reconfigured the control panel can be relocated to a more appropriate location (in the vicinity of the existing hand hole). Given that Village staff has not had any problems with the wiring underneath the commuter lot and that the Central Reservoir project will occur in FY18/19, the decision was made not to pursue any extensive rewiring within the commuter lot.

Contract Amendment TIF Lighting Improvements Change Order #3 (Final) April 4, 2017

<u>Time and Material Billing #4 (February 21st to February 24th)</u> \$7,030.28

<u>Time and Material Billing #5 (February 27st to March 2nd)</u> \$7,210.17

The above billing is for work on the south side of St. Charles Road between Lincoln and Park Avenues. Three locations were found to have broken conduits and two locations had a junction box (former location of a light pole) which was replaced with conduit. This block of west St. Charles Road proved to be problematic because of the junction boxes (splices against Village Ordinance) and construction damage.

Concerning the time extension, the contractor required additional time for the time and material work related to the multiple conduit failures on the south side of St. Charles between Lincoln and Park Avenues related to the time and material billings from February 21st to March 2nd.

Change Order #3 will be presented to the Public Works Committee on April 11, 2017. If the committee recommends approval, please present this change order to the President and Board of Trustees for their review and approval at their regular meeting on April 20, 2017. If approved, please have two signed copies returned to Public Works for further processing.

Attachment: Thome Time & Material Billings for CO#3 (#1 - #5)

DG/RGS

RESOLUTION R

A RESOLUTION AUTHORIZING A CHANGE ORDER INVOLVING AN INCREASE/DECREASE IN THE DOLLAR AMOUNT OF THE CONTRACT OF \$10,000 OR MORE AND/OR EXTENDING/ SHORTENING THE TIME IN WHICH THE CONTRACT IS TO BE COMPLETED BY THIRTY (30) DAYS 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 (30) days or more; and

WHEREAS, staff has presented and recommended the proposed Change Order No. 3 to the contract between the Village of Lombard and Thorne Electric regarding the TIF District Lighting Improvements, as attached hereto as Exhibit "A" and made part hereof, (the "Change Order") 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 \$26,825.49, when combined with (a) previous change order(s) would increase, the total dollar amount of the contract to \$258,963.65

WHEREAS, said Change Order attached hereto as Exhibit "A" would extend the time period in which the contract is to be completed March 3, 2017;

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.

Resolution _ Page 2	Leg	istar: 170157
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.	5
and Board of	ETION 2: That having made the findings set forth in Section 1 above of Trustees hereby approve the Change Order attached hereto as Exhibit authorize the Village President and Village Clerk to execute said Change Village.	it "A", and
	s day of a roll call vote as follows:	, 2017,
Ayes:		
Nays:		
Absent:		<u>-</u>
Approved by	y me this day of	, 2017.
ATTEST:	Keith Giagnorio Village President	
Sharon Kud Village Cler		

TIF Lighting Improvements

3/31/2016

					i :		
	Current		Unit	Revised	DIFFERENCES	NCES	
Item	Quantity	Unit	Price	Quantity	Quantity	Price	<u>Description</u>
Time and Material Billing #1	0.0	L.S.	\$1,856.73	1.0	1.0	\$1,856_73	Clean and Rod Conduit
Time & Material Billing #2	0.0	L.S.	\$7,535.71	1.0	1.0	\$7,535.71	Conduit Repair with Clean and Rod Conduit
Time & Material Billing #3	0'0	L.S.	\$3,192.60	1.0	1.0	\$3,192.60	Wiring in Commuter Lot
Time and Material Billing #4	0.0	L.S.	\$7,030.28	1.0	1.0	\$7,030.28	Conduit Repair on St. Charles
Time & Material Billing #5	0.0	L.S.	\$7,210.17	1.0	1.0	\$7,210.17	\$7,210.17 Conduit Repair on St. Charles
					TOTAL AMOUNT=	\$26,825.49	

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Steamed and rinsed conduit of sediment until wire was able to move. Pulled wire out with machine 1 conductor at a time. Once all the wire was out, steamed and rinsed conduit to flush remaining debris.

1/27/17

Sean Brennan – 8 hours

Jake Stanley – 8 hours

GMC 3500 HD #63A - 8 hours

2008 Yanmar VIO45-5 Mini Excavator - 3 hours

2004 Box Truck (housed pressure washer) - 8 hours

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Steamed and rinsed conduit of sediment until wire was able to move. Pulled wire out with machine 1 conductor at a time. Once all the wire was out, steamed and rinsed conduit to flush remaining debris.

1/30/17

Sean Brennan - 4 hours

Jake Stanley - 8 hours

GMC 3500 HD #63A - 8 hours

2008 Yanmar VIO45-5 Mini Excavator - 3 hours

2004 Box Truck (housed pressure washer) - 8 hours

Repaired break at Main St. that was left open on 1/24/17 from another contractors hit.

1/30/17

Sean Brennan - 4 hours

2008 Yanmar VIO45-5 Mini Excavator – 4 hours

2" PVC SCH 40 Pipe (2' @ .55256/LF)

2 ½" PVC SCH 40 Pipe (2' @ .865/LF)

2" Coupling (1 @ .39904 ea)

Steamed and rinsed conduit of sediment until wire was able to move. Pulled wire out with machine 1 conductor at a time. Once all the wire was out, steamed and rinsed conduit to flush remaining debris.

1/31/17

Sean Brennan – 8 hours

Jake Stanley - 8 hours

GMC 3500 HD #63A - 8 hours

2008 Yanmar ViO45-5 Mini Excavator - 3 hours

2004 Box Truck (housed pressure washer) - 8 hours

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2/1/17
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Sean Brennan – 8 hours

Jake Stanley – 8 hours

GMC 3500 HD #63A - 8 hours

2008 Yanmar VIO45-5 Mini Excavator – 3 hours

2004 Box Truck (housed pressure washer) – 8 hours

2/2/17

Sean Brennan - 8 hours

Jake Stanley - 8 hours

GMC 3500 HD #63A - 8 hours

2008 Yanmar VIO45-5 Mini Excavator - 3 hours

2004 Box Truck (housed pressure washer) – 8 hours

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	ting to to county most may treat	WI													Theres	E1=-4-	ا مه		
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									Total i				Total	\$ 3,192.6 3,192.6	50				

Resident

Identified cables in Firehouse Controller; turned a circuit on, used meter to test the end of the cables to locate which circuit that cable was, labeled and temporarily spliced each one to get the lights working. Also tried to remove some bricks but they were still frozen to the ground.

2/6/17

Sean Brennan - 8 hours

Jake Stanley - 8 hours

GMC 3500 HD #63A - 8 hours

Blue/Gray Wire Nuts - 3 boxes (150 @ .2857ea)

The wires under the parking lot would not move so instead of tearing up the parking lot, we identified that the wires ran to a hand hole behind a picnic bench (not what was shown on plans). Permanently spliced wires in the hand hole since we couldn't run all the way to controller.

2/9/17

Sean Brennan - 8 hours

Jake Stanley - 8 hours

GMC 3500 HD #63A - 8 hours

Compression Joint Green (18 @ .20ea)

Compression Joint Pink (26 @ .39760ea)

Heat Shrink Cap Medium (44 @ 1.92470ea)

Heat Shrink Sealant Tape (1 roll @ \$13.6145ea)

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		PLUS			10.0%	OF	8	535.92				1	\$ 53.59	\$ 659.51				
	Total Labor													\$ 4,790.95	•			
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2013 GI	AC 2200 HD 1462	104.00	204 40	21765	- 8	5				30	3 2	5 68 T	\$ 560.70					
2005 Yenmar	VIC45-5 Mini Excevetor			- 5	5					20 20	18 3	8.27 8.48	\$ 525.40 \$ 769.80					
2005 Bobo	Dump Truck #32A at \$250 Slod Sher	-		9.5	0.5					2	18 3	5.54	71.08					
											18	- [
Total Eq	sulpment Expense										•		2,226.98					
	terial Used													ı				
	PVC 8CH 40			4 L F	Q .552:	SA/LF					\$		221					
	PVC Glue	•			nt @ 8.6						8		8.50					
		•			_						3							
		•									3							
		•									3		93					
											\$		100	1				
											- \$		4 40 70					
	total Meterial										3 3		10 71					
	ius 15% on Ital Material										3		12.32					
<u> </u>			Al	FFIDA	/IT													
	This is to certify that the mate	rials en	lered on	this forc	e accou	int bili v	vhich wa	s taken	from sto	ck is sho	wn at o	ur co:	st.					
															Thomas E	to etale	lma	
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									Sate 11 cm						1			
									Total Lab		00000			\$ 4,790.96 \$ 2,225.96				
									Total Mai	ipment Exp erials	MESTER			\$ 12.32				
									· west relati				Total	8 7,030.26				
									Total B	iii			\$	7,030.28				

Resident

South side of St. Charles Rd. between Lincoln & Park

Got to site, used locator to pin point break, removed bricks, dug down and found unmarked utilities, carefully dug around them and removed gravel into dump truck. Located break, cut and pulled wire out, repaired pipe with new PVC, dumped old gravel and returned with CA-7 to fill hole, barricaded and Lombard to return to make final patch.

2/21/17

Sean Brennan – 8 hours

Jake Stanley - 8 hours

GMC 3500 HD #63A - 8 hours

2008 Yanmar VIO45-5 Mini Excavator - 5 hours

1998 GMC Dump Truck - 5 hours

2005 Bobcat S250 Skid Steer - .5 hours

2" PVC Pipe (2' @ .55256/LF)

PVC Glue (1 QT @ 8.50ea)

2/22/17

Sean Brennan - 8 hours

Jake Stanley - 8 hours

GMC 3500 HD #63A - 8 hours

2008 Yanmar VIO45-5 Mini Excavator - 5 hours

1998 GMC Dump Truck - 5 hours

2005 Bobcat S250 Skid Steer - .5 hours

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2/23/17
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Sean Brennan – 8 hours

Jake Stanley – 8 hours

GMC 3500 HD #63A - 8 hours

2008 Yanmar VIO45-5 Mini Excavator - 5 hours

1998 GMC Dump Truck - 5 hours

2005 Bobcat S250 Skid Steer - .5 hours

Got to site, used locator to pin point break, found two locations, removed bricks and gravel, dug down and found a junction box buried. Removed junction box, cut and pulled wire out, replaced junction box with new PVC pipe, dumped old gravel and returned with CA-7 to fill hole, barricaded and Lombard to return to make final patch.

2/24/17

Sean Brennan – 6 hours

Jake Stanley – 6 hours

GMC 3500 HD #63A - 6 hours

2008 Yanmar VIO45-5 Mini Excavator - 5 hours

1998 GMC Dump Truck - 5 hours

2005 Bobcat S250 Skid Steer - .5 hours

2" PVC Pipe (2' @ .55256/LF)

THORNE ELECTRIC, INC. DuPage Auth. No. District Job No. TIF Lighting Improvements Contract No. Force account bill for Located pipe breaks and repaired on south side of St. Charles Rd. between Lincoln & Park EMPLOYEE NAME WORK CLASSIFICATION RATE OF EARNINGS | PAYROLL AMOUNT ELIQ. PAYROLL Mar-17 W TOTAL HOURS Su M FOR UNEMPLAINT TAX Ŧ Th F Sa AMOUNT AMOUNT TO DATE S.T Q.T 25-Feb 27-Feb 28-Fet 1-Mar 2-Mar 3-Mar 4-Ma 48.59 \$ 1,508.29 55.15 \$ 1,709.68 SUBTOTALS, LABOR Local 196 Fringe Benefit Fund LINECO Fund 3,215.94 \$ \$ 3,215,94 8 \$ TOTAL HOURS 8.3325 of Gross 5.0400 PER HOUR 1,069.30 312.48 Subtotals, Labor Plus 38% of — Subtotals, Labor Plus: Workmen's comp ins Plus: Workmen's comp ins Federal Bocial Security tax 3,215,94 1,125.58 4,341.62 3216.94 9.87% OF 6.62% OF 3,215,94 307.77 3,218,94 246.02 TOTAL PAYROLL ADDITIVES 10.0% OF Total Labor I hereby cartify that the above elatement is a copy of that postion of the payroll which applies to the above stated work and that the rates shown for taxes and insurance are actual coats (SIGNED EQUIPMENT EXPENSE TOTAL HOURS Mar-17 84 М 88 Th 28-Feb 27-Feb 28-Feb 1-Mar 2-Mer 3-Mai 4-Ma 2013 GMC 3500 HD 663 2008 Yanmer Vic45-5 Mini Excevetor 1998 GMC Dump Truck #32A 2008 Bobcel 8250 SMG Steer 28.59 I 28.27 I 38.49 I 35.54 I 525 40 769 50 71.08 Total Equipment Expense 8 2,255 67 Material Used 2" PVC 8CH 40 6 LF @ .55256/LF 3 32 \$ 8 \$ 8 8 \$ Subtotal Malerial 1 3.32 Plus 18% on 0.50 **Total Material AFFIDAVIT** This is to certify that the materials entered on this force account bill which was taken from stock is shown at our cost. Thorne Electric, Inc. Total Labor 4,950.00 Total Equipment Expense 2,255.67 **Total Materials** Total 7,210,17 Total Bill 7,210.17

Resident

South side of St. Charles Rd. between Lincoln & Park

Got to site, found second break location, removed bricks and gravel, dug down and found a junction box buried. Removed junction box, cut and pulled wire out, replaced junction box with new PVC pipe, dumped old gravel and returned with CA-7 to fill hole, barricaded and Lombard to return to make final patch.

2/27/17

Sean Brennan - 8 hours

Jake Stanley ~ 8 hours

GMC 3500 HD #63A - 8 hours

2008 Yanmar VIO45-5 Mini Excavator – 5 hours

1998 GMC Dump Truck – 5 hours

2005 Bobcat S250 Skid Steer - .5 hours

2" PVC Pipe (2' @ .55256/LF)

2/28/17

Sean Brennan - 8 hours

Jake Stanley – 8 hours

GMC 3500 HD #63A - 8 hours

2008 Yanmar VIO45-5 Mini Excavator - 5 hours

1998 GMC Dump Truck - 5 hours

2005 Bobcat S250 Skid Steer - .5 hours

Got to site, used locator to pin point break, removed bricks and gravel into dump truck, dug down and found conduits were not in line with each other. Had to remove more bricks and dig down further to move pipe more in line with each other. Cut and pulled wire out, bent an offset onto new PVC and repaired run, dumped old gravel and returned with CA-7 to fill hole, barricaded and Lombard to return to make final patch.

3/1/17

Sean Brennan - 8 hours

Jake Stanley - 8 hours

GMC 3500 HD #63A - 8 hours

2008 Yanmar VIO45-5 Mini Excavator - 5 hours

1998 GMC Dump Truck - 5 hours

2005 Bobcat S250 Skid Steer - .5 hours

2" PVC Pipe (2' @ .55256/LF)

Got to site, used locator to pin point break, removed bricks and gravel into dump truck, dug down and found conduits were near buffalo boxes and 4' deep instead of 36". Had to remove more bricks and dig down further to move pipe more in line with each other. Cut and pulled wire out, bent an offset onto new PVC and repaired run, dumped old gravel and returned with CA-7 to fill hole, barricaded and Lombard to return to make final patch.

3/2/17

Sean Brennan - 7 hours

Jake Stanley – 7 hours

GMC 3500 HD #63A - 7 hours

2008 Yanmar VIO45-5 Mini Excavator – 5 hours

1998 GMC Dump Truck - 5 hours

2005 Bobcat S250 Skid Steer - .5 hours

2" PVC Pipe (2' @ .55256/LF)



www.equipmentwatch.com

Rental Rate Blue Book®

April 1, 2015

On-Highway Light Duty Trucks
Miscellaneous Models

Size Class: Net Hp 300 HP & Over

Configuration for On-Highway Light Duty Trucks

Diesel

Cab Type Ton Rating Conventional

Axle Configuration

4X2

1 3/4

Horsepower

360.0

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

		Ownersh	ip Costs		Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	\$1,200.00	\$335.00	\$84.00	\$13.00	\$21.80	\$28.62
Adjustments			100			
Region (Illinois: 101.6%)	S19.20	\$5.36	\$1.34	\$0.21		
Model Year (2013: 99.4%)	(\$7.32)	(\$2.04)	(\$0.51)	(\$0.08)		
Ownership (100%)	•	•		•		
Operating (100%)						
Total:	\$1,211.88	\$338.32	\$84.83	\$13.13	\$21.80	\$28.69

Rate Element Allocation

Element	1 de de	Percentage	Value
Depreciation (ownership)	182 Tan 182	58%	\$696.00 / mo
Overhaul (ownership)		28%	\$336.00 / mo
CFC (ownership)	0.00	4%	\$48.00 / ma
Indirect (ownership)		10%	\$120.00 / mo
Fuel (operating) @ \$3.98		79%	\$17.19 / hr

Revised Date: 2nd Half 2014

VILLAGE OF LOMBARD CHANGE ORDER

PROJECT NAME:	TIF Lighting Improvements		PROJECT NO.:		ST 17-07
LOCATION:	St. Charles Road		CHANGE ORDER:		3
CONTRACTOR:	Thorne Electric Inc.		DATE:		3/31/2016
DESCRIPTION OF C	CHANGE ORDER: Five time a	nd material billings			
ORIGINAL CONTR	ACT AMOUNT:			[1]_	\$202,499.25
TOTAL OF PREVIO	OUS AUTHORIZED CHANGE OF	RDERS:		[2]	\$29,638.91
CURRENT CONTR	ACT AMOUNT: ([1]+[2])			[3]_	\$232,138.16
PROPOSED CHAN	IGE ORDER: (PENDING APPR	OVAL)		[4]_	\$26,825.49
PROPOSED REVIS	SED CONTRACT AMOUNT: (PE	NDING APPROVA	L) ([3]+[4])	[5]_	\$258,963.65
NET OF ALL CHAN	IGE ORDERS: (PENDING APPI	ROVAL) ([2]+[4])	\$56,464.40		
TIME EXTENSION	OR REDUCTION:		42 days	_	
TOTAL CONTRAC	T TIME: (PENDING APPROVAL	.)	March 3rd (Completion Date)	_	
BUDGET ESTIMAT	E:		\$200,000.00	_	
ENGINEER'S ESTI	MATE:		\$200,000.00	_	
RECOMMENDED	FOR ACCEPTANCE:	40 - 2			
Ro Sli	4-4-17	Approved By:			
Resident Engineer	Date	• • • • —	rector of Finance		Date
Shilly The Contractor	WD 4-4-17 Date	Approved By: V	illage Manager		Date
50	4-5-17				
Village Engineer	Date	Approved By: V	illage President		Date
Director of Public V	Vorks Date	Attest:Vi	llage Clerk		Date
Asst. Director of Fi	nance Date				

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.

Page 1 of 1 EN002 (6/99)

TIF Lighting Improvements

	Current		Unit	Revised	DIFFERENCES	NCES	
Item	Quantity	Unit	Price	Quantity	Quantity	Price	Description
Time and Material Billing #1	0.0	L.S.	\$1,856.73	1.0	1.0	\$1,856,73	\$1,856,73 Clean and Rod Conduit
Time & Material Billing #2	0.0	L.S.	\$7,535.71	1.0	1,0	\$7,535.71	\$7,535.71 Conduit Repair with Clean and Rod Conduit
Time & Material Billing #3	0.0	L.S.	\$3,192.60	1,0	1,0	\$3,192.60	Wiring in Commuter Lot
Time and Material Billing #4	0.0	L.S.	\$7,030.28	1.0	1.0	\$7,030,28	\$7,030,28 Conduit Repair on St. Charles
Time & Material Billing #5	0.0	L.S.	\$7,210.17	1.0	1.0	\$7,210,17	\$7,210,17 Conduit Repair on St. Charles
					TOTAL AMOUNT=	\$26,825.49	