

BILLING COST FORM

DESCRIPTION/REASON OF ACTIVITY:

The City of Las Vegas is proposing a road improvement project to widen the exiting rights-of-way on Martin Luther King Drive, from Discovery Drive to Carey Avenue. They have requested that all aerial and underground facilities in conflict with this project be relocated within the new roadway design. This project will be constructed in three major phases from Alta to McWilliams and McWilliams to Wheeler Peak by the Post Office.

Cox Communications associated cost for the 288ct-fiber temps at the intersections of: Martin Luther King and Bonanza; and Martin Luther King and Wheeler Peak in Las Vegas, Nevada will be reimbursed through CLV and RTC funds allotted for this project. The City of Las Vegas will provide a Purchase Order number for reimbursement purposes upon receiving our agreement. Cox Communications has given the City of Las Vegas a cost for all labor, material, and equipment necessary to place these fiber temps. The total cost for Cox Communications is \$34,412.09.

Cox Communications representatives who are involved in this road project have attended many meetings with CLV and other utilities to discuss and coordinate the phases in which this project will be constructed.

CITY OF LAS VEGAS

ATT: MARK SORENSEN
(Customer Name)

400 STEWART AVENUE
(Street Address)

LAS VEGAS, NEVADA 89101
(City, State, Zip)

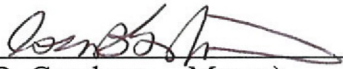
The attached documents detail both the work and final cost to complete these fiber temps requested by you or your representative.

COX COMMUNICATIONS APPROVAL:


(Henry Schwab – V.P. Network Development)

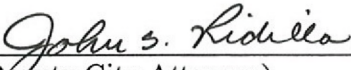
10/30/09
(Date)

CITY OF LAS VEGAS


(Oscar B. Goodman – Mayor)

1-6-2010
(Date)

Approved As to Form


(Deputy City Attorney)

11/24/09
(Date)

Attest:


(Beverly K. Bridges – City Clerk)

1/8/2010
(Date)



August 13, 2009

City of Las Vegas
400 Stewart Ave
Las Vegas, Nevada 89101
Attn: Mr. Mark Sorensen P.E.

Re: Cost associated for the 288ct fiber temp at MLK & Bonanza / MLK & Wheeler Peak in Las Vegas, Nevada, **Cox Invoice #42-08-008**.

Dear Mr. Sorensen;

After a review of your project, it was determined that a cost will be associated to place a fiber temp in order to break up the project into three phases from Alta to McWilliams and McWilliams to Wheeler Peak by the Post Office. This is to inform you that the total cost to place this fiber temp is **\$34,412.09**.

This cost includes: Materials & Contact Labor = \$ 31,332.09
In-house Labor = \$ 3,080.00
Total = \$ 34,412.09

A check made payable to Cox Communications Inc. for the amount of **\$34,412.09** is now being requested as this work has already been completed per plan. Please mail payment with a copy of this invoice to the attention of Gene D. Siegel @ Cox Communications 1700 Vegas Drive Las Vegas, Nevada 89106.

If you have any questions or comments regarding these costs, you may contact me, in the Fiber Network Projects Department at 545-1677 or on my cell phone at 210-7024.

Sincerely,

A handwritten signature in black ink, appearing to read "Gene D. Siegel". The signature is fluid and cursive, with a large loop at the end.

Gene D. Siegel
Project Planner III
Right of Way Department
Cox Communications



NOTICE TO PROCEED

Dept. #	42
Project Name	MLK Phase break / McWilliams & Wheeler P
Project Address	MLK / McWilliams & Wheeler Peak
Project Developer	City of Las Vegas
Project #	40505090000ROADIMP
Task #	FRU-05
NTP #	0
SRO #	0
Node #	0
Cox Invoice #	42-08-008
Tax Code	212
Franchise Code	City of Las Vegas
Reimbursable	YES
Contractor	Clover Cable

Project / Job Classification	
County Roadway	
Project/Forced Relocate	X
New build construction	
JPA / Make Ready	
Fiber Hit	
Fiber relocate	
Fiber network	
Maintenance / Repair	
Prewire - Postwire	
Embargo Forced Relocate	
R&R Slab	
Repair Vault / Ped	
R&R Coaxial Cable / Fiber	
Developer Forced Relocate (Billing Est. attached)	
Resident Requested Relocate (Billing Est. Attached)	

PO Authorization Details:

Contractor:	Clover Cable		
Labor PO #:		Material PO#:	
Labor PO Amt:	\$23,284.00	Material PO Amt:	\$ 3,559.56
Need-by date:		Need-by date:	
Prepared by: Project Planner	Gene Siegel - 210-7024	Date:	8/13/2009
Approved by: Dept. Supervisor		Date:	

REQUESTED COMPLETION DATE	Work complete
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PARTS PICKED UP BY:	Clover Cable
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ASBUILT	
AWAR / SWO	

CONSTRUCTION COST

CONTRACT LABOR / MATERIAL OVERHEAD	
Contractor Purch. Material	\$ -
Delta Purchased Material	\$ -
PAR Purchased Material	\$ -
Overhead for material:	\$ -
Overhead for Delta material:	\$ -
Overhead for PAR material:	\$ -
Asphalt Patch >60' ROW / NLV	\$ -
Asphalt Patch <60' ROW	\$ -
Permits & barricades:	\$ -
New construction labor:	\$ -
Trench sub-structure labor:	\$ -
JPA labor:	\$ -
Fiber labor:	\$ 23,284.00
Fiber network labor:	\$ -
Maintenance / Repair:	\$ -
Prewire - Postwire & Drop:	\$ -
TOTAL COST FOR CONTRACT LABOR:	\$ 23,284.00

MATERIAL	
Warehouse Material	\$ 3,559.56
Power Supply Cabinet material:	\$ -
Taxes for Contractor Purchased Material if applicable	\$ -
TOTAL COST FOR MATERIAL:	\$ 3,559.56

Project planner or in-house labor	
Quantity:	56
Cost per/hr:	\$ 55.00
Total:	\$ 3,080.00

GRAND TOTAL COST FOR PROJECT	\$ 29,923.56
ADMINISTRATIVE COST (delete cost if not reimbursable)	\$ 4,488.53
GRAND TOTAL W/ ADMIN COST	\$ 34,412.09

No Admin Fees - No T/E - No OT - No Night Fees Without Prior Approval - No Minimums
Any additional work must be approved in writing by Project Planner

Overhead can not exceed \$500 on any one project.

Scope of Work

MLK Phase break / McWilliams & Wheeler Peak

MLK / McWilliams & Wheeler Peak

1. The purpose of this project:

Is to place two temporary splice links from the old existing fiber to the newly built plant, so this project can be broken up into two phases.

2. The fiber/coax to be replaced is as follows: #03840365 and #0368U to existing #0368A

- ### 3. Construction requirements:

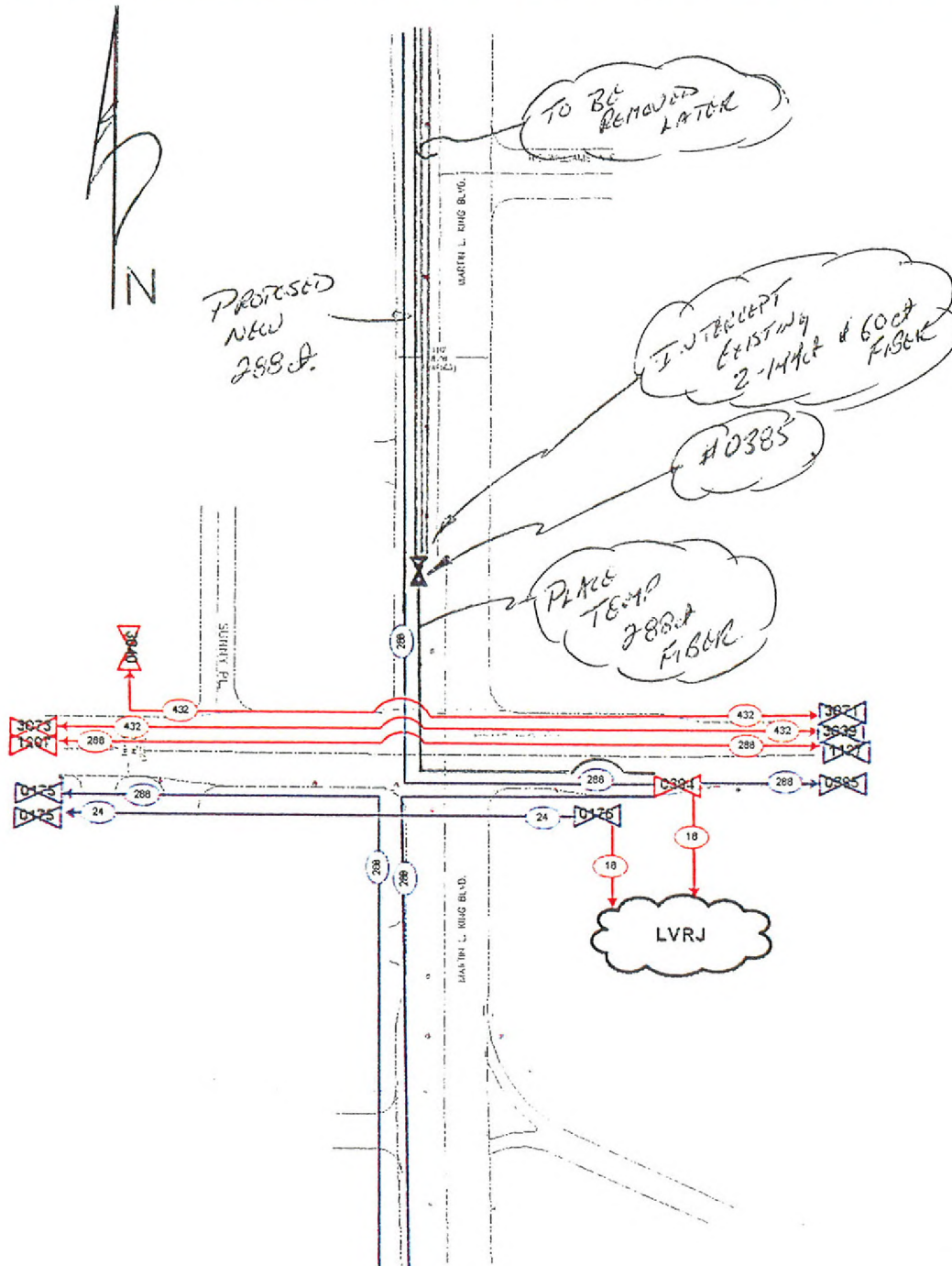
A. Install a 1200' section of 288ct from #0384 to #0365 and then splice in the temp. B. Install a 250' cable between #0368A to #0368U and then splice in the 288ct temp. Also splice in existing 60 into new underground enclosure.

4. These funds are reimbursable by the City of Las Vegas as they are requesting two phase breaks.

Contractor purchased material list:

<u>Description</u>	<u>Quantity</u>	<u>Cost</u>	<u>Total cost</u>
		\$	-
		\$	-
		\$	-
		\$	-
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		\$	-
TOTAL COST:		\$	-

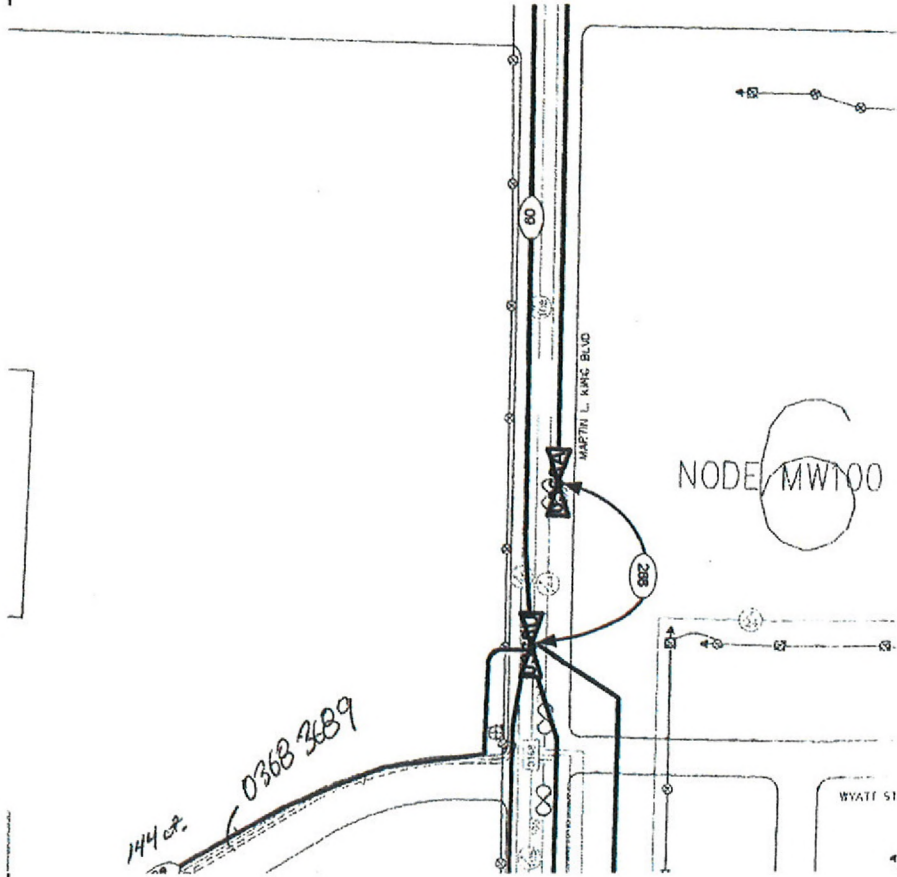
Project Drawing



Project Name: MLK Widening Phase break at McWilliams
 Project Address: MLK from Alta to McWilliams
 Project Number: 40510070000FRURFHT
 Project Task #: FRU-18



Project Drawing



Project Name:	MLK Phase break / McWilliams & Wheeler Peak
Project Address:	MLK / McWilliams & Wheeler Peak
Project Number:	40505090000ROADIMP
Project Task #:	FRU-05
Planner name:	Gene Siegel - 210-7024
Contractor:	Clover Cable



Project #:	40505090000ROADIMP
Project name:	MLK Phase break / McWilliams & Wheeler Pe
Task #:	FRU-05
Planner name:	Gene Siegel - 210-7024
Date:	8/13/2009
Contractor:	Clover Cable

FIBER SHEET

TOTAL COST FOR FIBER:				\$	23,284.00
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Description	Quantity	UOM	Cost	Total Cost
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FIBER AERIAL

Pull strand & install hardware		FT	\$ 0.25	\$ -
Overlash fiber optics cable & tag		FT	\$ 0.80	\$ -
Delash fiber optic cable & rework		FT	\$ 0.25	\$ -
Relash fiber optic cable & rework		FT	\$ 0.25	\$ -
Place fiber on reel		FT	\$ 0.20	\$ -

FIBER UNDERGROUND

Pull fiber cable & tag	1450	FT	\$ 0.80	\$ 1,160.00
Wreckout coax or fiber (pull out of conduit or remove from strand)		FT	\$ 0.20	\$ -
Place fiber on reel		FT	\$ 0.20	\$ -
Install 8 count node tail into closure & node housing		FT	\$ 0.80	\$ -
Pull tracer	850	FT	\$ 0.20	\$ 170.00
Proof duct with cable		FT	\$ 0.25	\$ -
Proof Duct without cable		FT	\$ 0.20	\$ -
Patch panel installation (rack mount)		EA	\$ 165.00	\$ -
Patch panel installation (wall mount)		EA	\$ 165.00	\$ -
Removal of inner duct in occupied conduit		FT	\$ 1.70	\$ -
Proof Asbuilt (750 FT Minimum)		FT	\$ 0.20	\$ -
Proof Asbuilt With existing cable - Rodder (750 FT Minimum)		FT	\$ 0.25	\$ -
Commercial fielding		EA	\$ 190.00	\$ -
Installation of WYE conduit (Occupied) one time charge		EA	\$ 45.00	\$ -
Installation of WYE Conduit (Unoccupied) one time charge		EA	\$ 25.00	\$ -

BID SPOT - Enter a description, unit of measure, price p/unit here for bid items

				\$ -
				\$ -
				\$ -
				\$ -

FIBER SPLICING

Re-enter existing fiber enclosure	10	EA	\$ 100.00	\$ 1,000.00
To add (1) fiber cable		EA	\$ 175.00	\$ -
Each additional fiber cable		EA	\$ 50.00	\$ -
Prepare fiber enclosure (2) fiber cables	2	EA	\$ 175.00	\$ 350.00
Upgrade - re-prep existing enclosure (2) cables		EA	\$ 200.00	\$ -
Each additional fiber cable		EA	\$ 25.00	\$ -
Express entry		EA	\$ 300.00	\$ -
Prepare & install node		EA	\$ 120.00	\$ -
Fusion splice optical fiber (1-4)		EA	\$ 70.00	\$ -
Fusion splice optical fiber (5-12)		EA	\$ 51.50	\$ -
Fusion splice optical fiber (13-48)		EA	\$ 34.00	\$ -
Fusion splice optical fiber (49-96)		EA	\$ 30.00	\$ -
Fusion splice optical fiber (97-144)		EA	\$ 28.00	\$ -
Fusion splice optical fiber (145-192)		EA	\$ 26.00	\$ -
Fusion splice optical fiber (193-240)		EA	\$ 24.00	\$ -
Fusion splice optical fiber (241-288)		EA	\$ 22.00	\$ -
Fusion splice optical fiber (289-336)		EA	\$ 20.00	\$ -
Fusion splice optical fiber (337-384)		EA	\$ 18.00	\$ -
Fusion splice optical fiber (385-432)	1212	EA	\$ 17.00	\$ 20,604.00
Lash-up fiber tails & enclosures		EA	\$ 110.00	\$ -
OTDR shot (1310/1550) outbound from facilities to termination		EA	\$ 10.00	\$ -
Power testing (1310/1550) one-way to termination		EA	\$ 20.00	\$ -



Project #:	40505090000ROADIMP
Project name:	MLK Phase break / McWilliams & Wheeler Pe
Task #:	FRU-05
Planner name:	Gene Siegel - 210-7024
Date:	8/13/2009
Contractor:	Clover Cable

FIBER SHEET

TOTAL COST FOR FIBER:				\$	23,284.00
Description	Quantity	UOM	Cost	Total Cost	
Atrica Ring Hot Cuts and OTDR Shots		EA	\$ 800.00	\$ -	
Troubleshooting splicing issues (1 man p/hr)		HR	\$ 100.00	\$ -	
Troubleshooting design issues (1 man p/hr)		HR	\$ 100.00	\$ -	
Time & Equipment (2 man crew)		HR	\$ 85.00	\$ -	
Overtime (Time & equipment, night / pre-approved)		HR	\$ 130.00	\$ -	
TOTAL				\$	23,284.00

No Admin Fees - No T/E - No OT - No Night Fees Without Prior Approval
Any additional work must be approved in writing by Project Planner

TOTAL FOR FIBER INSTALL:	\$	1,330.00
TOTAL FOR FIBER SPLICING:	\$	21,954.00
FIBER SPLICING CONTRACTOR NAME:		

- 1) Re-enter existing fiber closure - Access existing aerial or underground fiber enclosure.
- 2) To add (1) fiber cable - Add tie cable into existing aerial or underground fiber enclosure.
- 3) Each additional fiber cable - Add 2nd (or greater) tie cable into existing fiber enclosure at same time first tie cable needed.
- 4) Prepare fiber enclosure (2) fiber cables - Prep new fiber enclosure with new cables.
- 5) Each additional fiber cable - Add 3rd (or greater) cable into new fiber enclosure at same time first two cables are needed.
- 6) Upgrade - re-prep existing enclosure (2) cable - Upgrade existing splice enclosure having two cables.
- 7) Each additional fiber cable - Upgrade of enclosure with 3 (or greater) cables in the existing fiber enclosure.
- 8) Express entry - (also known as mid entry or ring cut), this includes the relabeling of existing enclosures on either side of the cut.
- 9) OTDR shots - both wavelengths in both directions.
- 10) Power testing - end to end testing, same trip as OTDR shots. All fibers to be within .5 db of each other.
- 11) Atrica Ring Hot Cut labor price consists of the following: Up to two splicing crews consisting of two men each, four splices at the Hot Cut enclosure, re-enter Hot Cut enclosure, OTDR Shots to the existing customers on both sides of the Hot Cut, relabeling of all enclosures & cans involved, and up to four hours of downtime waiting entry into all locations and/or troubleshooting time.
 Additional note: All work that falls outside this scope shall be charged as the appropriate line item amount found in this document.
- 12) Troubleshooting hourly rate consists of a one man fiber splicing crew outfitted with a truck and all necessary equipment.

See Cox Communications Construction Manual for all required specifications.



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Project name:	MLK Phase break / McWilliams & Wheel
Task #:	FRU-05
Planner name:	Gene Siegel - 210-7024
Date:	8/13/2009
Contractor:	Clover Cable

MATERIAL LIST SHEET

TOTAL COST FOR MATERIAL ORDER \$ 3,559.56

FIBER,288CT,ARIDCORE,ZWP 1JCKT NONARM,SM,NO STRIPE,COMMSCOPE	0	605-3088	FT	\$ 2.01	\$ -
CABLE, 24ct Fiber, Gel-Free, Non Armored, SMFe 0.35/0.35/0.25 dB/km, 12f/tub	0	605-2924	FT	\$ 0.21	\$ -
CABLE, 432ct Fiber, Gel-Free, Non Armored, SMFe 0.35/0.35/0.25 dB/km, 12f/tube (CORNING)	0	605-2932	FT	\$ 2.31	\$ -
FIBER, 423CT Fiber, Gel-Free, Non Armored, SMFE 0.35/0.35/0.25 DB/KM, 12F/Tube (DRAKA)	0	605-0433	FT	\$ 2.75	\$ -
CABLE, 48ct Fiber, Gel-Free, Non Armored, SMFe 0.35/0.35/0.25 dB/km, 12f/tube	0	605-2948	FT	\$ 0.32	\$ -
CABLE, 144ct Fiber, Gel-Free, Non Armored, SMFe 0.35/0.35/0.25 dB/km, 12f/tube	0	605-2944	FT	\$ 0.80	\$ -
CABLE, 72ct Fiber, Gel-Free, Non Armored, SMFe 0.35/0.35/0.25 dB/km, 12f/tube	0	605-2972	FT	\$ 0.44	\$ -
CABLE, 288ct Fiber, Gel-Free, Non Armored, SMFe 0.35/0.35/0.25 dB/km, 12f/tube	0	605-2988	FT	\$ 1.54	\$ -
FIBER,288CT,ARIDCORE,ZWP 1JCKT NONARM,SM,NO STRIPE,COMMSCOPE	1450	605-3088	FT	\$ 2.01	\$ 2,914.50
RACK, 19X24.5X18 WALL, GRAY CHATSWORTH	0	619-4287	FT	\$ 167.65	\$ -

CATEGORY 830

TAG,FBR OPTIC,W/COX LOGO & NO. ACP	0	830-2434	EA	\$ 0.63	\$ -
Wire, Tracer Single, 3000' Reel (mule Tape)	0	830-3100	FT	\$ 0.06	\$ -
TAPE,"FIBER OPTIC BURIED BELOW Cox Las Vegas,3"x1000',REEF	0	830-5066	RL	\$ 9.75	\$ -
PAINT,LT.GREEN PEDESTAL, RELIANCE	0	830-5940	EA	\$ 10.38	\$ -
PAINT,ORANGE CHALK MARKING BUDCO	0	830-6950	EA	\$ 2.93	\$ -
PAINT,FL.ORANGE MARKING,WATER- BASED,BUDCO	0	830-6960	EA	\$ 2.98	\$ -
PAINT,GRAY,ALPHA,16OZ AEROSAL F78XXA175	0	830-7887	EA	\$ 6.00	\$ -
MARKING WHISK,ORANGE	0	830-7950	EA	\$ 0.15	\$ -
MARKER,WRITE-ON ORANGE,600A SERIES,TELECRAFTER	0	830-8695	EA	\$ 0.11	\$ -
Marker, "COX COMM CATV" Orange Hardline Marker, Budco	0	830-9483	EA	\$ 1.06	\$ -

CATEGORY 840

Cable Cleaner, De-Solve it	0	840-5876	EA	\$ 8.97	\$ -
Nutdriver, 7 PC set cushion grip	0	920-1590	EA	\$ 33.60	\$ -
Scrapers, replacement center	0	920-3180	EA	\$ 4.82	\$ -
Torch, T-751, W/Trigger guard	0	920-3905	EA	\$ 63.75	\$ -
Gloves, SZ 9 Buckskin Gauntlet	0	930-2284	EA	\$ 24.50	\$ -
Gloves, Medium	0	930-2906	EA	\$ 3.00	\$ -
Gloves, Large	0	930-2907	EA	\$ 9.00	\$ -
Gloves, XL	0	930-2908	EA	\$ 3.00	\$ -
Gas Can, 2-Gallon	0	940-0650	EA	\$ 27.54	\$ -
Battery, 6V Lantern, Ray-O-Vac	0	940-8850	EA	\$ 6.80	\$ -
Mini Mag-Lite	0	940-8920	EA	\$ 13.00	\$ -
Lantern, 301 Sealed Beam, Ray-O-Vac	0	940-9010	EA	\$ 20.62	\$ -



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Task #:	FRU-05
Planner name:	Gene Siegel - 210-7024
Date:	8/13/2009
Contractor:	Clover Cable

MATERIAL LIST SHEET

TOTAL COST FOR MATERIAL ORDER					\$ 3,559.56
TOTAL AMOUNT OF WAREHOUSE MATERIAL:					\$ 3,559.56