



Invoice

Invoice Number: 70872
 Customer Number: 175501
 Invoice Date: 12/29/2015
 Invoice Due Date: 1/28/2016
 Company Number: 00292

Page 1

Customer: CITY OF FORT COLLINS-ENGINEERING AttentionL Tracy Dyer	Remit To: CITY OF FORT COLLINS 117 NORTH MASON STREET P.O. BOX 580 FORT COLLINS, CO 80522-0580
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Please Return the Enclosed Copy with your Payment

Item	Description	Charges
001	Work Order 173162 - Final Billing for Signal Work at Lemay & Magnolia	77,153.09
	Balance Due	77,153.09

Engineering Department
 PO # _____ Amt. _____
 Account # _____
 Date 1.27.16
 Approval [Signature]
 Vendor # _____
 Doc # _____ Batch # _____

*\$ 9800.00 to Lemay @ Marlberry Dale Left.
 rest to Woodward Leal Center (\$67,353.09)*

TERMS AND CONDITIONS

Payment is due within 30 days of the invoice date.
 If you have any questions, please contact saragon@fcgov.com or call 2246103.



Traffic Operations Itemized Invoice

Work Order ID	Work Order Location	Project
173162	LEMAY & MAGNOLIA	

Customer Name	Contact Name	Customer Number
ENGINEERING	Engineering: Tracy Dyer	175501

Billing Date	Start Date	Finish Date	Status	Billable Project
12/29/2015			SUB_BILL	Y

Work Order Description & Instructions

Description: **SIGNALS WFO**

Rebuild intersection of Lemay & Magnolia.

Engineering portion: \$134,773.26

Description	Labor					
	Total Hours	Regular		Overtime		Extended Cost
		Hours	Costs	Hours	Costs	
TRAFFIC EQUIPMENT OPERATOR I	172.50	162.00	\$5,609.95	11.50	\$472.86	\$6,082.81
TRAFFIC EQUIPMENT OPERATOR II	193.50	179.50	\$7,307.70	14.00	\$695.64	\$8,003.34
TRAFFIC SIGNAL TECH I	96.25	74.00	\$2,766.35	22.25	\$985.76	\$3,752.11
TRAFFIC SIGNAL TECH II	47.00	36.50	\$1,636.79	10.50	\$575.95	\$2,212.74
UTILITY WORKER- STRTS/TRAFFIC	229.50	207.50	\$3,850.08	24.50	\$600.12	\$4,450.20
Total Labor						\$24,501.20

Description	Materials		
	Quantity	Cost Per Unit	Extended Cost
#4 Spiral Rebar 30" x 14'9" 6 In. pitch	4.00	\$123.75	\$495.00
#9 Rebar 14' 9"	56.00	\$29.49	\$1,651.40
10' Aluminum Ped Pole - No Base	1.00	\$108.00	\$108.00
10' Aluminum Ped Pole - No Base - PAINTED	2.00	\$253.50	\$507.00
12" Green Arrow LED - Dialight	5.00	\$36.48	\$182.40
12" Green LED - Dialight	11.00	\$36.00	\$396.00
12" Red Arrow LED - Dialight	5.00	\$35.70	\$178.50
12" Red LED - Dialight	11.00	\$28.80	\$316.80
12" Yellow Arrow LED - Dialight	10.00	\$34.20	\$342.00
12" Yellow LED - Dialight	11.00	\$33.30	\$366.30
15' Aluminum Ped Pole - No Base	1.00	\$330.00	\$330.00
2" PVC REPAIR SLEEVE/COUPLING NO STOP	1.00	\$7.26	\$7.26
2" PVC REPAIR SLEEVE/NO STOP	1.00	\$6.77	\$6.77
2-2", 2-3" Directional Bore, per foot	100.00	\$19.20	\$1,920.00
25C 14G (Signal Wire)	695.00	\$2.36	\$1,642.98
2C 12G (Street Light Wire)	900.00	\$0.74	\$636.96
2C 18G Single Pair)	90.00	\$0.26	\$23.76
2C 8G (Duplex)	20.00	\$0.83	\$16.56
2P 18G (Pushbutton)	845.00	\$0.35	\$294.06
3/4" Band	96.00	\$1.20	\$115.20

3/4" Buckles C256	29.00	\$0.82	\$23.66
3C 18G (Terra)	1,010.00	\$0.30	\$303.00
4C 20G (Opticom)	140.00	\$0.49	\$68.88
5C 14G (Signal Wire)	582.00	\$0.47	\$272.38
7C 14G (Signal Wire)	505.00	\$0.62	\$315.12
8G Bare (Grounding)	105.00	\$0.31	\$32.76
9 x 12 Ped Button Sign Left	3.00	\$3.66	\$10.98
9 x 12 Ped Button Sign Right	1.00	\$3.66	\$3.66
Arrow Board	4.00	\$78.00	\$312.00
Asphalt Restoration	5.00	\$12.00	\$60.00
Autoscope Encore Sensor Detection Camera	4.00	\$4,560.00	\$18,240.00
Backplate - Skybrac 3 Section	9.00	\$22.01	\$198.07
Backplate - Skybrac 4 Section Louvered Black	5.00	\$44.27	\$221.34
Bag Concrete	2.00	\$4.92	\$9.84
Band It Bracket W/Bolt - DO21	6.00	\$1.86	\$11.16
Caisson rig mobilization	0.50	\$720.00	\$360.00
Caisson rig standby time (per hour)	2.00	\$300.00	\$600.00
Cat 5E (Ethernet Double Jacket)	50.00	\$0.40	\$19.80
Collar For Ped Pole Base Painted	1.00	\$66.00	\$66.00
Concrete, 4000 PSI A (A4780)	1.25	\$128.40	\$160.50
Concrete, 4000 PSI BZ (CBZ4901)	26.00	\$128.40	\$3,338.40
Conduit 2" 22 % Elbow	3.00	\$4.04	\$19.73
Conduit 2" 45% Elbow	7.00	\$1.94	\$13.61
Conduit 2" 90% Elbow	35.00	\$1.49	\$52.08
Conduit 2" Coupling	42.00	\$0.36	\$15.12
Conduit 2" PVC	548.00	\$0.72	\$394.56
Conduit 2" PVC Split Pipe	5.00	\$8.70	\$43.50
Conduit 3" 45% Elbow	1.00	\$4.70	\$4.70
Conduit 3" 90% Elbow	21.00	\$5.17	\$108.61
Conduit 3" Coupling	17.00	\$1.07	\$18.16
Conduit 3" PVC	340.00	\$1.51	\$514.08
Cones, each	20.00	\$4.80	\$96.00
Contractor Charges, Drill caisson 36" D (per foot)	30.00	\$43.20	\$1,296.00
Domed Ped Pole Cap	3.00	\$12.00	\$36.00
Domed Ped Pole Cap - PAINTED	1.00	\$15.00	\$15.00
Double Push Button Adapter	1.00	\$172.80	\$172.80
Flowfill, CDOT (FF0934)	33.00	\$84.00	\$2,772.00
Ground Rod 8 FT - 5,8"	2.00	\$15.23	\$30.46
Ground Rod Clamp	2.00	\$1.91	\$3.82
Hardware For Side of Pole Mount - W/Bandit Bracket	8.00	\$45.00	\$360.00
LED Ped Hand/Man Side By Side Module	5.00	\$103.50	\$517.50
Light and Power Charges, Remove Poles	0.50	\$1,693.06	\$846.53
Light and Power Charges, Set Pole	0.50	\$1,693.06	\$846.53
Mechanical/Bore Pits	2.00	\$360.00	\$720.00
Miscellaneous Fiber	1.00	\$1,233.00	\$1,233.00
Mounting Bracket for Terra Camera	4.00	\$72.00	\$288.00
Ped Button Station 9" X 12" Pelco	4.00	\$97.20	\$340.20
Ped Head Clamshell Empty - Left - Y Aluminum	4.00	\$144.00	\$576.00
Ped Head Clamshell Empty - Right - Y Aluminum	3.00	\$144.00	\$432.00
Ped Pole Base w/Extended Neck - Base Only - PAINTED	1.00	\$144.00	\$144.00
Pole 35 Ft Mast Arm W/15' Illuminair - CDOT Specs, Paint	1.00	\$12,084.00	\$12,084.00
Pole 45 Ft Mast Arm W/15' Illuminair - CDOT Specs, Paint	1.00	\$13,785.60	\$13,785.60
Pole 50 Ft Mast Arm W/15' Illuminair - CDOT Specs, Paint	1.00	\$14,031.60	\$14,031.60

Pole 55 Ft Mast Arm W/15' Illuminair - CDOT Specs, Paint	1.00	\$14,208.00	\$14,208.00
Pothole Crew	1.00	\$1,140.00	\$1,140.00
Pothole Crew, per day	3.00	\$1,140.00	\$3,420.00
Pothole Restoration - asphalt	5.00	\$14.40	\$72.00
Pothole Restoration - dirt	6.00	\$14.40	\$86.40
Rebar Tie, 8"	4,000.00	\$0.01	\$47.74
Rental - submersible pump	1.00	\$37.57	\$37.57
Set Steel	2.00	\$15.60	\$31.20
Sign Panel A/B	5.00	\$33.60	\$168.00
Signal Head 3 Sec 12,12,12 With Visor	11.00	\$153.60	\$1,689.60
Signal Head 4 Sec 12,12,12,12 Empty	5.00	\$208.00	\$1,041.17
Site visit/survey field conditions	1.00	\$132.00	\$132.00
Sprinkler Repair Parts	1.00	\$15.91	\$15.91
Standard 3 Sec Syk Brac w/48" Bands	10.00	\$127.20	\$1,253.52
Standard 4 Sec Sky Brac W/59" Bands 60" Pole	4.00	\$150.00	\$539.95
Streets Charges, Work Area Traffic Control	1.00	\$1,356.62	\$1,356.62
VAULT 24"X36"X18" W/LID	3.00	\$373.20	\$1,119.60
VAULT, SEC 17"X30" - WAREHOUSE	2.00	\$278.40	\$556.80
WATC - Standard	4.00	\$582.00	\$2,328.00
Wall Column Form, 12"	4.00	\$3.28	\$13.10
Wall Column Form, 24"	3.00	\$13.31	\$39.92

Total Materials

\$115,335.79

Equipment

Description	Hours	Cost Per Hour	Extended Cost
PLATFORM TRUCK 1999 I.H.	9.00	\$30.25	\$272.27
FORD F450 SUPERDUTY W/UTILITY BOX	91.50	\$14.40	\$1,317.60
FORD F550 FLAT BED TRUCK	27.00	\$30.00	\$810.00
LARGE DUMP TRUCK	23.50	\$38.40	\$902.40
2008 FORD F550 BUCKET TRUCK	36.50	\$30.25	\$1,104.25
BUCKET TRUCK	13.00	\$30.25	\$393.28
2013 CHEV SILVERADO 3500 SMALL DUMP	55.50	\$30.00	\$1,665.00
2015 FORD F-550 4x2 SUPER CAB BUCKET	16.50	\$30.25	\$499.18
UTILITY F450 TRUCK	33.50	\$12.12	\$406.02
FORKLIFT	3.50	\$0.00	\$0.00
1998 JOHN DEERE BACKHOE	61.50	\$43.80	\$2,693.70
2015 BOBCAT SKID STEER	15.00	\$48.00	\$720.00
AIR COMPRESSOR	6.50	\$12.60	\$81.90
2009 BROOKS WIRE TRAILER	2.00	\$12.12	\$24.24
TRAILER	22.50	\$4.80	\$108.00
Total Equipment			\$10,997.83

Total - Work Order #173162 \$150,834.83

Less Traffic's Portion \$16,061.57

Subtotal \$134,773.26

Less Previously Billed \$57,620.17

Total - This Billing #173162 \$77,153.09

Traffic Operations Use Only

Date Paid _____

Comments/Notes _____

125696 DC

150834.80