

JAY SHAH, Chairperson
ANDY MEISNER, Vice-Chairperson &
O.C. Treasurer
DONALD SNIDER, Secretary
JAMELE HAGE
L. BROOKS PATTERSON, O.C. Executive

AGENDA

WEDNESDAY, April 11, 2018

9:00 a.m.

Public Works Building
Facilities Management Conference Room, 1st Floor
One Public Works Drive
Waterford, MI 48328

1. Roll Call
2. Approval of Agenda – **Committee Action Required**
3. Approval of Minutes – **Committee Action Required**
4. Comments from Public
5. Animal Shelter Project (pages **1** thru **4**)
 - a) Project Work In Progress, Statement of Fund Balance, Balance Sheet (pages **1** thru **4**) – **Informational**
6. Infrastructure – IT Projects (pages **5** thru **26**)
 - a) Project Work In Progress for ***IT*** (page **5**), Project Work In Progress for ***Infrastructure*** (page **6**), Statement of Fund Balance, Balance Sheet (pages **5** thru **8**) – **Informational**
 - b) Invoice(s) for IT (page **9**) – **Committee Action Required**
 - c) Invoice(s) for Infrastructure (page **17**) – **Committee Action Required**
7. Other Business
8. Adjourn until next regular meeting on **Wednesday, May 9, 2018**



Facilities Management
PROJECT WORK IN PROGRESS
BA Animal Ctrl Pet Adoption Ct
10000002199
 (as of March 31, 2018)

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
BLDCO - Building Construction				
702000 - Salaries		0.00	13,028.87	
730352 - Construction		0.00	13,107,894.91	
773535 - Info Tech CLEMIS		0.00	200.59	
777560 - Radio Communications		0.00	3,599.06	
Building Construction TOTALS				
13,429,604.00		0.00	13,124,723.43	\$304,880.57
CONT - Contingency				
730359 - Contingency		0.00	77,560.00	
730520 - Design Fees		0.00	3,660.00	
Contingency TOTALS				
94,000.00		0.00	81,220.00	\$12,780.00
FM_CONSTR_DOCS - Construction Documents				
730520 - Design Fees		0.00	847,608.85	
Construction Documents TOTALS				
820,000.00		0.00	847,608.85	(\$27,608.85)
FM_DESIGN_DEV - Design Development				
702000 - Salaries		0.00	215.25	
Design Development TOTALS				
0.00		0.00	215.25	(\$215.25)
FM_PRELIM_PLNG - Preliminary Planning				
702000 - Salaries		0.00	77.26	
Preliminary Planning TOTALS				
0.00		0.00	77.26	(\$77.26)
FRINGE_BENEFITS - Fringe Benefits				
722000 - Fringe Benefits		0.00	8,579.58	
Fringe Benefits TOTALS				
0.00		0.00	8,579.58	(\$8,579.58)
FURNISHINGS - Furnishings				
760160 - Furniture and Fixtures		0.00	112,402.83	
Furnishings TOTALS				
105,000.00		0.00	112,402.83	(\$7,402.83)
GLB - GL Balance Sheet				
730352 - Construction		0.00	214.45	
GL Balance Sheet TOTALS				
0.00		0.00	214.45	(\$214.45)
LEGAL - Legal and Financial				
731073 - Legal Services		0.00	117,337.50	
731528 - Publishing Legal Notices		0.00	1,850.75	
793938 - Discount on Bonds		0.00	23,432.54	
Legal and Financial TOTALS				
250,000.00		0.00	142,620.79	\$107,379.21
MAT - Storeroom Materials Only				

Facilities Management
PROJECT WORK IN PROGRESS
BA Animal Ctrl Pet Adoption Ct
10000002199
 (as of March 31, 2018)

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
775754 - Maintenance Department Charges		0.00	486.08	
Storeroom Materials Only TOTALS	0.00	0.00	486.08	(\$486.08)
OWNERS_COST - OWNERS COSTS				
702000 - Salaries		0.00	832.91	
730324 - Communications		0.00	3,105.00	
730352 - Construction		8,073.50	302,619.05	
731115 - Licenses and Permits		0.00	110,435.92	
731241 - Miscellaneous		0.00	8,848.47	
731360 - Planning		0.00	106,230.93	
OWNERS COSTS TOTALS	690,396.00	8,073.50	532,072.28	\$158,323.72
TESTING - Testing Services				
731906 - Testing Services		0.00	40,168.81	
Testing Services TOTALS	61,000.00	0.00	40,168.81	\$20,831.19

Project 10000002199 - BA Animal Ctrl Pet Adoption Ct			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$15,450,000.00	\$8,073.50	\$14,890,389.61	\$559,610.39
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
655077-Accrued Interest Adjustments	\$340.53	\$25,226.61	
655385-Income from Investments	\$680.30	\$204,735.19	
697551-Issuance of Bonds	\$0.00	\$15,450,000.00	
TOTAL REVENUE	\$1,020.83	\$15,679,961.80	
REVENUE OVER/(UNDER) EXPENSES		\$789,572.19	

County of Oakland
BA Animal Control Pet Adoption
Statement of Fund Balance
For The Five Months Ended February 28, 2018
Fund 41425

Revenues:

Income from Investments	14,943.41
Accrued Interest Adjustments	(1,894.67)
	13,048.74

Expenditures:

Charges Against Project	7,851.33
Subtotal	20,900.07
Operating Transfers In	0.00
Operating Transfers Out	0.00

Fund Balance at Beginning of Year	768,672.12
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Fund Balance at February 28, 2018	\$789,572.19
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**County of Oakland
BA Animal Control Pet Adoption
Balance Sheet
March 31, 2018
Fund 41425**

ASSETS

Cash Operating	764,345.58
Accrued Interest on Investment	25,226.61
	<u>789,572.19</u>

LIABILITIES AND FUND BALANCE

Current Liabilities:

Accounts Payable	0.00
Vouchers Payable	0.00
Total Current Liabilities	<u>0.00</u>

Fund Balance	<u>789,572.19</u>
Total Liabilities and Fund Balance	<u><u>789,572.19</u></u>



Facilities Management
PROJECT WORK IN PROGRESS
BA IT Server Replacement
100000001796
 (as of March 31, 2018)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
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DATABACKUP_SYST - Data Backup System

Data Backup System TOTALS			
1,471,530.00	0.00	0.00	\$1,471,530.00

SERVERS - Servers

750170 - Other Expendable Equipment			
709,785.49	0.00	709,785.49	\$0.00
Servers TOTALS			
709,785.49	0.00	709,785.49	\$0.00

VMWARE_SERVERS - VMWare Servers

750170 - Other Expendable Equipment			
600,694.66	0.00	600,694.66	\$0.00
VMWare Servers TOTALS			
600,694.66	0.00	600,694.66	\$0.00

Project 100000001796 - BA IT Server Replacement			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$2,782,010.15	\$0.00	\$1,310,480.15	\$1,471,530.00
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
TOTAL REVENUE		0	
REVENUE OVER/(UNDER) EXPENSES		(\$1,310,480.15)	

Facilities Management
PROJECT WORK IN PROGRESS
c141 Sheriff RCCSteamTunnl Ren
10000002604
 (as of March 31, 2018)

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
FRINGE_BENEFITS - Fringe Benefits				
722000 - Fringe Benefits		0.00	251.21	
Fringe Benefits TOTALS				
	0.00	0.00	251.21	(\$251.21)
MAT - Storeroom Materials Only				
775754 - Maintenance Department Charges		0.00	181.78	
Storeroom Materials Only TOTALS				
	0.00	0.00	181.78	(\$181.78)
PROJ - Project				
702000 - Salaries		0.00	452.61	
730352 - Construction		8,029.75	1,556,864.72	
Project TOTALS				
	2,550,000.00	8,029.75	1,557,317.33	\$992,682.67

Project 10000002604 - c141 Sheriff RCCSteamTunnl Ren			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$2,550,000.00	\$8,029.75	\$1,557,750.32	\$992,249.68
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
695500-Transfers In	\$496,800.00	\$1,546,800.00	
TOTAL REVENUE	\$496,800.00	\$1,546,800.00	
REVENUE OVER/(UNDER) EXPENSES			(\$10,950.32)

County of Oakland
BA-FAC Infrastructure-IT Projects
Statement of Fund Balance
For The Six Months Ended March 31, 2018
Fund 41423

Revenues:	
Income from Investments	36,620.49
Accrued Interest Adjustments	1,105.64
	37,726.13
Expenditures:	
Charges Against Project	(1,255,517.79)
Subtotal	(1,217,791.66)
Reimbursement General	
Operating Transfers In	
Operating Transfers Out	
Fund Balance at Beginning of Year	5,673,515.20
Fund Balance at March 31, 2018	\$4,455,723.54

County of Oakland
BA-FAC Infrastructure-IT Projects
Balance Sheet
March 31, 2018
Fund 41423

ASSETS

Cash Operating	\$4,443,976.39
Accrued Interest on Investment	11,747.15
	<hr/>
	<u>\$4,455,723.54</u>

LIABILITIES AND FUND BALANCE

Current Liabilities:	
Accounts Payable	0.00
Vouchers Payable	0.00
Total Current Liabilities	<hr/> 0.00
Fund Balance	<hr/> 4,455,723.54
Total Liabilities and Fund Balance	<hr/> <u>\$4,455,723.54</u>

Handwritten initials: HC, MW

From: **Holly Conforti, Chief of Fiscal Services
Facilities Management Accounting**

Date: **April 11, 2018**

Subject: **BA FAC Infrastructure-IT project invoices to be paid by fund 41423 (IT Portion)**

Payable To	Date	Invoice #	Project	Proj #	Amount	Amount
DellEMC	12/31/2017	M5201066975	BA IT Server Replacement	1..1796		1,866.46
DellEMC	8/29/2017	5201029020	BA IT Server Replacement	1..1796		2,254.21
DellEMC	8/31/2017	5201029604	BA IT Server Replacement	1..1796		1,968.99
DellEMC	10/17/2017	5201047226	BA IT Server Replacement	1..1796		418,291.38
DellEMC	10/17/2017	5201047225	BA IT Server Replacement	1..1796		168,314.27
DellEMC	12/1/2017	M5201063384	BA IT Server Replacement	1..1796		576,052.01
DellEMC	12/1/2017	M5201066976	BA IT Server Replacement	1..1796	312,927.20	
DellEMC	12/1/2017	M5201066976	IT Fund 63600		(10,144.52)	302,782.68
Total						<u><u>\$1,471,530.00</u></u>

OC Building Authority Jay Shah, Chairperson

DELLEM EMC Corporation
 176 South Street
 Hopkinton, MA 01748
 (508) 346-0899
 EMC Tax Code: 04-2680009

EMC Sales Order NO. 70251834	EMC Sales Contact RICHARD ROSS	Payment Terms NET 60	Invoice NO. M5201066975
Contract NO.	Customer P.O. USCTY-0000290055	Due Date 11-Feb-2018	Invoice Date 13-Dec-2017

Reg # 305620 PO 0000 302554

Bill To:
 OAKLAND COUNTY PURCHASING DIVISION
 2100 PONTIAC LAKE RD
 WATERFORD MI 48328
 USA

Ship To:

OAKLAND, COUNTY OF INC
 BLDG 49W
 1200 N TELEGRAPH RD
 PONTIAC MI 48341
 USA

INVOICE

63000 1080001-152010-750170
Alldh 2/22/18

Attention of: OAKLAND, COUNTY OF INC

Customer Number/Location 1000329527	Customer Tax Code	Shipping Terms	Shipped Via	Date Shipped	Specified Date 13-Dec-2017	Deal Number 6001002078
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Item	Description	Qty Ordered	Qty Shipped	Unit Price	Extended Price	Tax
U-10GMOP4P-NF	DD9300 Solution DD 10GBE IO MOD OPTICAL SFP 4PORT UPG	2	2	933.23	1,866.46	

BA: 41423.1040801.148000.750170.FACMG.100000001796.DATABACKUP_SYST

Past Due Amounts will bear interest at rate of 1.5% per month	All Prices are in USD	Sub-Total:	1,866.46
These commodities are licensed by the US. Diversion contrary to US law is prohibited.	Remit To: EMC Corporation 4246 Collections Center Drive Chicago, IL 60693 United States	Freight	
Comments:		Tax	
		Total Due	1,866.46

DELLEMC EMC Corporation
 176 South Street
 Hopkinton, MA 01748
 (508) 346-0899
 EMC Tax Code: 04-2680009

EMC Sales Order NO.	EMC Sales Contact	Payment Terms	Invoice NO.
70244101	RICHARD ROSS	NET 30	5201029020
Contract NO	Customer P.O.	Due Date	Invoice Date
	USCTY-0000290056	28-Sep-2017	29-Aug-2017

11

Reg 305600 Po 0000302554

Bill To:
 OAKLAND COUNTY PURCHASING DIVISION
 2100 PONTIAC LAKE RD
 WATERFORD MI 48328
 USA

Ship To:

OAKLAND COUNTY
 23629 INDUSTRIAL PARK DR
 FARMINGTON HILLS MI 48335
 USA

INVOICE

Attention of: OAKLAND COUNTY

63600-1080601-152010-750170

Customer Number/Location	Customer Tax Code	Shipping Terms	Shipped Via	Date Shipped	Specified Date	Deal Number
1000329527					29-Aug-2017	6001387329

Item	Description	Qty Ordered	Qty Shipped	Unit Price	Extended Price	Tax
U-10GMOP4P-NF	DD9300 Solution	2	2	1,123.58	2,247.16	0.00
M-PREHWDD-DD1	DD 10GBE IO MOD OPTICAL SFP 4PORT UPG PREMIUM HARDWARE SUPPORT	1	1	0.00	0.00	0.00

Page 11 of 26

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 2/22/18

BA: 41423.1040801.148000.750170.FACMG.100000001796.DATABACKUP.SYST

All Prices are in USD		Sub-Total:	2,247.16
Remit To:		Freight	7.05
EMC Corporation 4246 Collections Center Drive Chicago, IL 60693 United States		Tax	0.00
		Total Due	2,254.21

Past Due Amounts will bear interest at rate of 1.5% per month
 These commodities are licensed by the US. Diversion contrary to US law is prohibited.

Comments:

DELLEMC EMC Corporation
 176 South Street
 Hopkinton, MA 01748
 (508) 346-0899
 EMC Tax Code: 04-2680009

Bill To:
 OAKLAND COUNTY PURCHASING DIVISION
 2100 PONTIAC LAKE RD
 WATERFORD MI 48328
 USA

Attention of: OAKLAND, COUNTY OF INC

INVOICE

Reg 305600

PO 0000302554

Ship To:

OAKLAND, COUNTY OF INC
 BLDG 49W
 1200 N TELEGRAPH RD
 PONTIAC MI 48341
 USA

EMC Sales Order NO.	70244255	EMC Sales Contact	RICHARD ROSS	Payment Terms	NET 30	Invoice NO.	5201029604
Contract NO		Customer P.O.	USCTY-0000290056-	Due Date	30-Sep-2017	Invoice Date	31-Aug-2017

63600 1080601-152010-750170

Customer Number/Location	1000329527	Customer Tax Code		Shipping Terms		Shipped Via		Date Shipped		Specified Date	31-Aug-2017	Deal Number	6001002078
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Item	Description	Qty Ordered	Qty Shipped	Unit Price	Extended Price	Tax
U-10GMOP4P-NF	DD9300 Solution	2	2	933.23	1,866.46	0.00
M-PREHWDD-DD1	DD 10GBE IO MOD OPTICAL SFP 4PORT UPG PREMIUM HARDWARE SUPPORT	1	1	0.00	0.00	0.00

Copy 2/22/18

BA: 41423.1040801.148000.750170.FACMG.100000001796.DATABACKUP.SYST

All Prices are in USD		Sub-Total:	1,866.46
Remit To:		Freight	102.53
EMC Corporation 4246 Collections Center Drive Chicago, IL 60693 United States		Tax	0.00
		Total Due	1,968.99

Past Due Amounts will bear interest at rate of 1.5% per month
 These commodities are licensed by the US. Diversion contrary to US law is prohibited.

Comments:

DELLEMC EMC Corporation
 176 South Street
 Hopkinton, MA 01748
 (508) 346-0899
 EMC Tax Code: 04-2680009

Bill To:
 OAKLAND COUNTY PURCHASING DIVISION
 2100 PONTIAC LAKE RD
 WATERFORD MI 48328
 USA

Ship To:
 OAKLAND, COUNTY OF INC
 BLDG 49W
 1200 N TELEGRAPH RD
 PONTIAC MI 48341
 USA

Reg 305620 Po 000302554

INVOICE

Attention of: OAKLAND, COUNTY OF INC



63600-1080601-152010-750170

Customer Number/Location 1000329527	Customer Tax Code	Shipping Terms	Shipped Via	Date Shipped	Specified Date	Deal Number
					17-Oct-2017	6001002078

Item	Description	Qty Ordered	Qty Shipped	Unit Price	Extended Price	Tax
M-PRESWDD-DD1	PREMIUM SOFTWARE SUPPORT	1	1	4,828.47	4,828.47	0.00
458-001-801	DD Boost Software Option=CB	405	405	9.93	4,021.65	0.00
M-PRESWDD-DD1	PREMIUM SOFTWARE SUPPORT	1	1	3,621.35	3,621.35	0.00
456-109-751	LICENSE BASE DD OE DD9300=IA	1	1	2,682.48	2,682.48	0.00
M-PRESWDD-DD1	PREMIUM SOFTWARE SUPPORT	1	1	1,475.36	1,475.36	0.00
456-111-330	FS 800GB 0.8TB RAW=CF	8	8	0.00	0.00	0.00
M-PRESWDD-DD1	PREMIUM SOFTWARE SUPPORT	1	1	0.00	0.00	0.00
456-111-960	ES30 3TB ACT 45TB RAW=CB	9	9	0.00	0.00	0.00
M-PRESWDD-DD1	PREMIUM SOFTWARE SUPPORT	1	1	0.00	0.00	0.00

BA: 41423-1040801-148000-750170-FACMG-100000001796-DATABACKUP-SYST

Past Due Amounts will bear interest at rate of 1.5% per month

These commodities are licensed by the US. Diversion contrary to US law is prohibited.

Comments:

All Prices are in USD		Sub-Total:	417,706.77
Remit To: EMC Corporation 4246 Collections Center Drive Chicago, IL 60693 United States		Freight	584.61
		Tax	0.00
		Total Due	418,291.38

EMC EMC Corporation
 176 South Street
 Hopkinton, MA 01748
 (508) 346-0899
 EMC Tax Code: 04-2680009

EMC Sales Order NO.	EMC Sales Contact	Payment Terms	Invoice NO.
70247700	RICHARD ROSS	NET 60	5201047225
Contract NO	Customer P.O.	Due Date	Invoice Date
	USCTY- 0000200000	16-Dec-2017	17-Oct-2017

Req # 305620 PO 0000300554

INVOICE

OAKLAND COUNTY PURCHASING DIVISION
 2100 PONTIAC LAKE RD
 WATERFORD MI 48328
 USA

Ship To:

OAKLAND, COUNTY OF INC
 BLDG 49W
 1200 N TELEGRAPH RD
 PONTIAC MI 48341
 USA

Attention of: OAKLAND, COUNTY OF INC

W. J. J. 16

63600-1080601-152010750170

Customer Number/Location	Customer Tax Code	Shipping Terms	Shipped Via	Date Shipped	Specified Date	Deal Number
1000329527					17-Oct-2017	6001002078

Item	Description	Qty Ordered	Qty Shipped	Unit Price	Extended Price	Tax
M-PRESWDD-H1	PREMIUM SOFTWARE SUPPORT (DD)	1	1	0.00	0.00	0.00
456-111-143	EMC GLR for MS Apps Enabler=CA (EF)	1	1	0.00	0.00	0.00
M-PRESWDD-M1	PREMIUM SOFTWARE SUPPORT (DD)	1	1	0.00	0.00	0.00
456-112-170	Microsoft Application Agent=CA (EF)	14	14	0.00	0.00	0.00
456-112-172	File System Agent=CA (EF)	14	14	0.00	0.00	0.00
456-112-171	Database Application Agent=CA (EF)	14	14	0.00	0.00	0.00
456-113-090	Oracle RMAN agent 10G_RESTRICTED=CA (EF)	1	1	0.00	0.00	0.00
456-113-089	Oracle RMAN agent=CA (EF)	1	1	0.00	0.00	0.00
M-ENHSWDD-M1	ENHANCED SOFTWARE SUPPORT (DD)	1	1	0.00	0.00	0.00
456-112-187	DPS for APPS 11-50TB=CC (EF)	14	14	596.17	8,346.38	0.00
M-ENHSWDD-M1	ENHANCED SOFTWARE SUPPORT (DD)	1	1	8,763.71	8,763.71	0.00
Past Due Amounts will bear interest at rate of 1.5% per month						
These commodities are licensed by the US. Diversion contrary to US law is prohibited.						
Comments:						
				Sub-Total:	168,314.27	
				Freight	0.00	
				Tax	0.00	
				Total Due	168,314.27	

All Prices are in USD		Sub-Total:	168,314.27
Remit To:		Freight	0.00
EMC Corporation 4246 Collections Center Drive Chicago, IL 60693 United States		Tax	0.00
		Total Due	168,314.27

BA: 41423.1040801.148000.750170.FACMG.10000001796.DATABACKUP_SYST

EMC EMC Corporation
 176 South Street
 Hopkinton, MA 01748
 (508) 346-0899
 EMC Tax Code: 04-2680009

EMC Sales Order NO.	EMC Sales Contact	Payment Terms	Invoice NO.
310396851	RICHARD ROSS	NET 30	M5201063384
Contract NO	Customer P.O.	Due Date	Invoice Date
	USCTY-0000200056	31-Dec-2017	01-Dec-2017

Reg # 305620 PO # 0000302554

Bill To:
 OAKLAND COUNTY PURCHASING DIVISION
 2100 PONTIAC LAKE RD
 WATERFORD MI 48328
 USA

Ship To:
 OAKLAND COUNTY
 23629 INDUSTRIAL PARK DR
 FARMINGTON HILLS MI 48335
 USA

INVOICE

Attention of: OAKLAND COUNTY

63600-1080801-152010-750170

Customer Number/Location	Customer Tax Code	Shipping Terms	Shipped Via	Date Shipped	Specified Date	Deal Number
1000329527		CIF		16-Aug-2017	11-Aug-2017	6001387329
Item	Description	Qty Ordered	Qty Shipped	Unit Price	Extended Price	Tax
M-PRESWDD-DD1	PREMIUM SOFTWARE SUPPORT	1	1	0.00	0.00	0.00

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Past Due Amounts will bear interest at rate of 1.5% per month	All Prices are in USD	Sub-Total:	575,478.28
These commodities are licensed by the US. Diversion contrary to US law is prohibited.	Remit To:	Freight	573.73
Comments:	EMC Corporation 4246 Collections Center Drive Chicago, IL 60693 United States	Tax	
		Total Due	576,052.01

BA: 41423.1040801.148000.750170.FACMG.100000001796.DATABACKUP.SYST

DELLEMC EMC Corporation
 176 South Street
 Hopkinton, MA 01748
 (508) 346-0899
 EMC Tax Code: 04-2680009

EMC Sales Order NO. 70251835	EMC Sales Contact RICHARD ROSS	Payment Terms NET 60	Invoice NO. M5201066976
Contract NO. USCTY-0000200000	Customer P.O. USCTY-0000200000	Due Date 11-Feb-2018	Invoice Date 13-Dec-2017

Req # 305620 PO # 0000 302554

Bill To:
 OAKLAND COUNTY PURCHASING DIVISION
 2100 PONTIAC LAKE RD
 WATERFORD MI 48328
 USA

Ship To:
 OAKLAND, COUNTY OF INC
 BLDG 49W
 1200 N TELEGRAPH RD
 PONTIAC MI 48341
 USA

INVOICE

Attention of: OAKLAND, COUNTY OF INC

63600-1080601-152010-750170

Customer Number/Location 1000329527	Customer Tax Code	Shipping Terms	Shipped Via	Date Shipped	Specified Date	Deal Number
					13-Dec-2017	6001002078

Item	Description	Qty Ordered	Qty Shipped	Unit Price	Extended Price	Tax
458-001-800	DD Software=CB	405	405	292.37	118,409.53	
458-001-802	DD Replication Software Option=CB	405	405	19.25	7,796.51	
458-001-801	DD Boost Software Option=CB	405	405	14.44	5,847.38	
458-001-912	DD9300 RAW SHELF CAPACITY LICENSE	1	1	0.00	0.00	
458-111-960	ES30 3TB ACT 45TB RAW=CB	9	9	0.00	0.00	

Bill to Corp

Past Due Amounts will bear interest at rate of 1.5% per month	All Prices are in USD	Sub-Total:	312,927.20
These commodities are licensed by the US. Diversion contrary to US law is prohibited.	Remit To: EMC Corporation 4246 Collections Center Drive Chicago, IL 60693 United States	Freight	
Comments: IT: 63600-1080601-152010-750170		Tax	
		Total Due	312,927.20

\$ 10,144.52

BA: 41423.1040801.148000.750170.FACMG.100000001796.DATABACKUP.SYST \$302,782.68

He man

From: **Holly Conforti, Chief of Fiscal Services
Facilities Management Accounting**

Date: **April 11, 2018**

Subject: **BA FAC Infrastructure-IT project fund invoices to be paid by fund 41423 (FAC portion)**

Payable To	Date	Invoice #	WO	Project	Proj #	Amount
George W. Auch	3/31/2018	33713	C-141	Sheriff RCC Steam Tunnel Ren	1..2604	\$149,103.44
SME	3/26/2018	83975	C-141	Sheriff RCC Steam Tunnel Ren	1..2604	\$8,986.75
					Total	<u>\$158,090.19</u>

OC Building Authority Jay Shah, Chairperson



CONTRACT PAYMENT APPROVAL

C O U N T Y M I C H I G A N - DEPARTMENT OF FACILITIES MANAGEMENT - FACILITIES PLANNING & ENGINEERING

One Public Works Drive
Waterford, MI 48341
(248) 858-0144

	PAYMENT # 5	CONTRACT # 3660	PAYMENT DATE 4/2/18
WORK ORDER # C141	PEOPLESFT PROJECT # 10000002604	PROJECT NO. & TITLE 12-086 Steam Tunnel Renovations	

RECOMMENDATIONS FOR APPROVAL

This is to certify that George W. Auch
 Is entitled to payment of One Hundred Forty Seven Thousand One Hundred Three Dollars \$ 44/100's
\$147,103.44
 In accordance with invoice 33713 dated 3/31/18

Jason Warner 4.3.18
 Oakland County Division Supervisor - Jason Warner Date
Carmelo Moyet
 Oakland County Division Project Manager - Carmelo Moyet Date
Ed Joss 4.3.18
 Oakland County Division Manager - Ed Joss Date

REMARKS		STATEMENT OF ACCOUNT	
Retainage		Original Contract	
Previously Held:	\$125,550.31	Services:	\$2,337,000.00
Previous Payments:	\$0.00	Contingencies:	\$0.00
Sub-Total:	\$125,550.31	Allowances:	\$0.00
Current Retainage to Hold:	\$12,047.19	Total Original Contract Sum:	\$2,337,000.00
Current Retainage to Pay:	\$0.00	Net Changes by Change Orders:	\$0.00
Sub-Total:	\$12,047.19	Contract Sum to Date:	\$2,337,000.00
Retainage Account Balance:	\$137,597.50	Total Contract Completed to Date	\$1,656,962.73
		Less Retainage	(\$137,597.50)
		Total Earned Less Retainage	\$1,519,365.23
		Less Previous Certificates for Payment	(\$1,370,261.79)
		Current Invoice (Project Fund):	\$149,103.44
		Current Retainage to Pay (Treasurer's Office):	\$0.00
		Total Current Payment Due:	\$149,103.44
<input checked="" type="checkbox"/> FORMAL RETAINAGE	<input type="checkbox"/> NOT FORMAL RETAINAGE	Total Balance to Finish, includes retainage: (Before Current Payment Due)	\$817,634.77

PROJECT BUDGET SUMMARY

Total Project Budget:	\$2,550,000.00
Expenditures To Date	(\$1,557,750.32)
Retainage	\$137,597.50
Total Remaining Project Budget:	\$854,652.18

Fund 41423
 Dept 1040105
 Program 148020
 Account 730352
 Oper Unit 24811
 Project # 2604
 Source Type 00002
 Category 29816

Copies: Fiscal Services, Project Manager, FE File



AUCH
George W. Auch Company
Construction Managers & General Contractors
Since 1908

735 South Paddock Street
 Pontiac, Michigan 48341-3241
 (248) 334-2000
 Fax: (248) 334-3404
 www.auchconstruction.com

Oakland County

1200 N. Telegraph

Pontiac, MI 48341

REFER TO INVOICE 33713
 INVOICE DATE 03/31/18
 CONTRACT NO. 8069-00

LOCATION

OC-SHERIFFADMIN RCC STEAMTUNNE

TERMS: NET. RECEIPT OF INVOICE

Owner's Project#/PO#/Contract#

CURRENT CONTRACT AMOUNT:	\$2,337,000.00

Total Completed & Stored to Date:	\$1,656,962.73
Less Retention -	\$137,597.50
Total Earned less Retention:	\$1,519,365.23
Less Previous Certificates for Payment:	\$1,370,261.79

AMOUNT DUE THIS INVOICE: \$149,103.44

THANK YOU

A Second Century of Building Trust

APPLICATION AND CERTIFICATE FOR PAYMENT

From: (Contractor)
 George W. Auch Company
 735 S. Paddock Street
 Pontiac, MI 48341

To: (Owner)
 Oakland County
 1200 N. Telegraph
 Pontiac, MI 48341

Invoice: 33713
 Draw 8069-10
 Invoice date: 3/31/2018
 Invoice ending date: 3/31/2018

Architect:
 Soil & Materials Engineers, Inc
 13019 Pauline Drive
 Shelby Township, MI 48315

REQUEST FOR PAYMENT:

ORIGINAL CONTRACT	\$2,337,000.00	Project:	8069-00
Net change by Change Orders.....	\$0.00		OC-SHERIFFADMIN RCC STEAMTUNNE
CONTRACT SUM TO DATE.....	\$2,337,000.00	Contract date:	
TOTAL COMPLETED AND STORED TO DATE	\$1,656,962.73	Architect:	Soil & Materials Engineers, Inc
RETAINAGE.....	\$137,597.50	Contract For:	OAKLAND COUNTY
TOTAL EARNED LESS RETAINAGE	\$1,519,365.23		OC-SHERIFF ADMIN RCC STEAM TUNNEL REPAIRS
LESS PREVIOUS CERTIFICATES FOR PAYMENT ..	\$1,370,261.79		PRE-CONSTRUCTION AND CONSTRUCTION SERVICES
CURRENT PAYMENT DUE	\$149,103.44	Project Manager:	James Munchiando
BALANCE TO FINISH.....	\$817,634.77		

I hereby certify that the work performed and the materials supplied to date, as shown on the above represent the actual value of the accomplishment under the terms of the Contract (and all authorized changes thereof) between the undersigned and the Oakland County relating to the above referenced project I also certify that the contractor has paid all amounts previously billed and paid by the owner.

CONTRACTOR: Craig Walden
 By: Craig Walden, Treasurer

Date: March 21, 2018

Subscribed and sworn to before me this 21st day of March, 2018
 Notary Public: Macomb County Brigitte E. Barnhart Brigitte E. Barnhart
 My commission expires: 3/21/2019 Acting in Oakland County

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the above application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED..... \$149,103.44
 (Attach explanation if amount certified differs from the amount applied for.)
 ARCHITECT:

By: _____ Date _____
 This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment, and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract

CONTINUATION SHEET

Project: 8069-00 / OC-SHERIFFADMIN RCC Invoice: 33713 Draw 8069-10 Period Ending Date: 3/31/2018 Page 2 of 3 Pages

Item ID	Description	Total Contract Amount	Previously Completed Work	Work Completed This Period	Presently Stored Materials	Completed And Stored To Date	% Comp	Balance To Finish	Retainage Balance
10-00	OAKLAND COUNTY								
10-01	SHERIFF ADMIN RCC STEAM								
10-02	TUNNEL								
10-03	AUCH JOB #8069 (O26779)								
10-04									
100-00	A - TUNNEL REPAIR								
100-01	RAM CONSTRUCTION SERVICE	691,367.00	366,497.56	133,502.44		500,000.00	72.3	191,367.00	50,000.00
100-02	CO #1 - BRACKETS	19,250.00	19,250.00			19,250.00	100.0		1,925.00
100-03	CO #2 - SHAFTS	73,186.00	65,135.54	8,050.46		73,186.00	100.0		7,318.80
100-04	CO #3 - ADDED RESTEEL RFI #	2,820.00		2,820.00		2,820.00	100.0		282.00
100-05	CO #3 ADD CABLE SUPPORT W	4,158.00		4,158.00		4,158.00	100.0		415.80
100-06	CO #4 REPLACE STEAM BRAC								
100-07	& TUNNEL RISERS	14,760.00		14,760.00		14,760.00	100.0		1,476.00
100-08	CO #5 QU CHANGES PER BULL	-52,948.00		-52,948.00		-52,948.00	100.0		-5,294.80
100-09									
110-00	B - MECHANICAL								
110-01	VENTCON	70,020.00	68,620.00	1,400.00		70,020.00	100.0		7,002.00
110-02	CO #1 - PAINT CURB ADAPTER	600.00		600.00		600.00	100.0		60.00
110-03	CO #4 SUMP DISCHARGE, REV								
110-04	SUBMITTAL FOR ATTACHMEN	8,129.00		8,129.00		8,129.00	100.0		812.90
110-05									
120-00	C - ELECTRICAL								
120-01	METRO ELECTRIC	736,000.00	736,000.00			736,000.00	100.0		73,600.00
120-02									
500-00	ALLOWANCES								
510-00	TUNNEL REPAIR NORTH	119,000.00						119,000.00	
510-01									
520-00	STORM PIPE BRACES								
520-01									
530-00	UTILITY FRAME BASES								
530-01									
540-00	UTILITY STRUT SUPPORTS								
540-01									
550-00	ACCESS SHAFTS								
550-01									
	SUBTOTALS	1,686,342.00	1,255,503.10	120,471.90		1,375,975.00		310,367.00	137,597.50

CONTINUATION SHEET

Project: 8069-00 / OC-SHERIFFADMIN RCC Invoice: 33713 Draw 8069-10 Period Ending Date: 3/31/2018 Page 3 of 3 Pages

Item ID	Description	Total Contract Amount	Previously Completed Work	Work Completed This Period	Presently Stored Materials	Completed And Stored To Date	% Comp	Balance To Finish	Retainage Balance
560-00	SAFETY CREW CONFINED SPA	60,000.00						60,000.00	
560-01									
570-00	ELECTRICAL FEED	26,298.00						26,298.00	
570-01									
580-00	IRRIGATION / RESTORATION	5,000.00	1,664.00			1,664.00	33.3	3,336.00	
580-01									
1000-00	PRECONSTRUCTION SERVICE:	31,000.00	31,000.00			31,000.00	100.0		
1000-01									
1010-00	GENERAL CONDITIONS	191,575.00	133,106.00	33,875.55		166,981.55	87.2	24,593.45	
1010-01									
1020-00	PERMITS	14,702.00	14,702.00			14,702.00	100.0		
1020-01									
1030-00	CONTINGENCY	227,719.00						227,719.00	
1030-01									
1040-00	OCP INSURANCE	2,000.00	720.00	780.00		1,500.00	75.0	500.00	
1040-01									
1050-00	BOND	23,569.00	15,085.00			15,085.00	64.0	8,484.00	
1050-01									
1060-00	GL INSURANCE	11,795.00	7,549.00	2,092.45		9,641.45	81.7	2,153.55	
1060-01									
1070-00	2.5% FEE	57,000.00	36,483.00	3,930.73		40,413.73	70.9	16,586.27	
Grand Totals		\$2,337,000.00	\$1,495,812.10	\$161,150.63		\$1,656,962.73	70.9	\$680,037.27	\$137,597.50

SME

BA

Project	070486.04	Restoration of Metal Utility Steam			Invoice	83975
Michael, Melessa	2/20/2018	.50	80.00	40.00		
Report proceesing						
Michael, Melessa	2/21/2018	.75	80.00	60.00		
Administrative Assistant						
DeBeliso, Tracey	2/5/2018	.25	80.00	20.00		
Outstanding rpt						
DeBeliso, Tracey	2/13/2018	.25	80.00	20.00		10.050
Outstanding rpt						
DeBeliso, Tracey	2/19/2018	.25	80.00	20.00		
Outstanding Rpt						
Totals		81.75		8,711.75		
Total Labor						8,711.75

Unit Billing

COMPRESSIVE STRENGTH- CONCRETE CORES

1/24/2018	Work Order: 18-1385	4.0 EACH @ 55.00	220.00
1/24/2018	Work Order: 18-1385	1.0 EACH @ 55.00	55.00
	Total Units		275.00

Total this Invoice \$8,986.75

Thank you for the opportunity to be of service.
Project Manager Roland Bogdani

OKDLD
4.3.18

Fund 41423
 Dept 1040105
 Program 148030
 Account 230352
 Oper Unit 24811
 Project # 2604
 Source Type 00002
 Category 29816

~~8,986.75~~
 4.2-18
 CM OK
 4.2-18
 CM OK

OKDLD
4.3.18

Terms: Invoice is due upon receipt. Amount not paid within 30 days are subject to 1.5% per month late charge. Retainers received will be applied to the final invoice.

Project	070486.04	Restoration of Metal Utility Steam			Invoice	83975
Bresler, Nicholas	2/12/2018	2.00	111.00	222.00		
Analysis of north tunnel. Project discussion.						
Bresler, Nicholas	2/14/2018	3.00	111.00	333.00		
On site for bi-weekly project meeting. Project discussion/coordination.						
Bresler, Nicholas	2/16/2018	2.00	111.00	222.00		
Project coordination. Project management.						
Bresler, Nicholas	2/20/2018	1.00	111.00	111.00		
Project discussion.						
Damerow, Kyle	2/5/2018	.50	111.00	55.50		
started writing report						
Damerow, Kyle	2/21/2018	.25	111.00	27.75		
inputted test results						
Materials Specialist						
Vorhies, Joshua	1/29/2018	1.00	93.00	93.00		
report/email, review report changes						
Vorhies, Joshua	1/31/2018	4.50	93.00	418.50		
on-site 9:45-1:15 (3.5)attended bi-weekly meeting and reviewed welds and performed UT of pipe wall report (1.0)						
Vorhies, Joshua	2/15/2018	.25	93.00	23.25		
prep-phone with Roland to discuss scope for tomorrows site visit						
Vorhies, Joshua	2/16/2018	5.75	93.00	534.75		
8:30-12:00 - (3.5)measuring area of shotcrete placement with Allen and calculating area - discuss while on site. Discussions with Carmelo and Jeff Start reviewing welds						
12:45-3:00 2.25reviewing overhead welds, discuss with welders and jeff and travis, after review discuss with carmelo and allen						
Vorhies, Joshua	2/20/2018	1.50	93.00	139.50		
discussion with roland of tunnel conditions, report						
Laboratory Technician						
Damerow, Kyle	1/31/2018	.50	93.00	46.50		
coring						
Hawley, William	2/9/2018	2.00	93.00	186.00		
cut cores with Jake and hydrostone one core out of the 4. break it and get results to Kyle D.						
Hawley, William	2/21/2018	1.50	93.00	139.50		
hydrostone measure and break shotcrete samples, update report send results to Kyle d.						
Technician II						
Conklin, Jacob	2/9/2018	3.00	75.00	225.00		
Coring						
Damerow, Kyle	1/31/2018	.50	75.00	37.50		
shotcrete PU						
Senior Administrative Assistant						
Michael, Melessa	2/7/2018	.50	80.00	40.00		
Admin Work						
Michael, Melessa	2/8/2018	1.50	80.00	120.00		
Process Reports						
Michael, Melessa	2/15/2018	.50	80.00	40.00		
REPORT / ADMIN						

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Retainers received will be applied to the final invoice.

Project	070486.04	Restoration of Metal Utility Steam			Invoice	83975
Bogdani, Roland	2/21/2018	1.25	121.00	151.25		
SCN Report 5/shotcrete results						
Bogdani, Roland	2/22/2018	2.00	121.00	242.00		
SCN Report 5						
Bogdani, Roland	2/23/2018	.50	121.00	60.50		
Review notes / E-mail correspondence with Alan Bussey						
Jablonski, Nicholas	1/29/2018	.25	121.00	30.25		
Schedule/WO						
Jablonski, Nicholas	1/30/2018	.25	121.00	30.25		
Report Review						
Jablonski, Nicholas	2/1/2018	.25	121.00	30.25		
Report Review						
Jablonski, Nicholas	2/8/2018	.25	121.00	30.25		
Finalize Reports with Melessa						
Jablonski, Nicholas	2/14/2018	.25	121.00	30.25		
Call with Roland and Schedule for JHV						
Jablonski, Nicholas	2/16/2018	.25	121.00	30.25		
Project Call with JHV - Josh Vorhies and Reschedule/Postpone Other Job for the Day						
Jablonski, Nicholas	2/20/2018	.25	121.00	30.25		
Meeting/Scheduling Follow_up with CMB/Roland and Coatings Scope with CMB						
Senior Engineer						
Thorn, Brennan	2/14/2018	.50	111.00	55.50		
revising break report, deleted field report, conversations with Kyle D, Roland B, Scott Z, exported reports						
Zielinski, Scott	1/31/2018	.25	111.00	27.75		
helping coordinate shotcrete panel pickup and testing						
Senior CAD						
Kurdi, Ghassan	2/1/2018	.50	91.00	45.50		
U21 Drafting - START NEW REV, CLEAN UP SHEETS 6 AND 7 FOR ASBUILTS, CREATE PDF FILES AND SEND TO BRET						
Staff Engineer						
Bresler, Nicholas	1/30/2018	5.00	111.00	555.00		
Project discussion/coordination. Marked up drawings to remove repair areas for CAD for RAM's asbuilt set. Tunnel structural analysis.						
Bresler, Nicholas	1/31/2018	5.50	111.00	610.50		
On site for bi-weekly coordination meeting. Review of overhead and nested repairs in south tunnel. UT (nondestructive thickness measurements) of north tunnel.						
Bresler, Nicholas	2/1/2018	5.00	111.00	555.00		
Review of UT data. Analysis of tunnel areas with section loss.						
Bresler, Nicholas	2/2/2018	1.50	111.00	166.50		
Analysis of tunnel areas with section loss.						
Bresler, Nicholas	2/5/2018	2.00	111.00	222.00		
Project discussion/Coordination. Review of UT data.						
Bresler, Nicholas	2/8/2018	3.00	111.00	333.00		
Project management and Project discussion. Tunnel Analysis.						
Bresler, Nicholas	2/9/2018	4.00	111.00	444.00		
Project discussion. Report writing.						

Terms: Invoice is due upon receipt. Amount not paid within 30 days are subject to 1.5% per month late charge.
Retainers received will be applied to the final invoice.



43980 Plymouth Oaks Blvd.
Plymouth, MI 48170-2584
Phone: 734-454-9900 Fax: 734-454-7685



INVOICE

Remit to:
SME
P.O. Box 673166
Detroit, MI 48267-3166



March 26, 2018

Invoice No: 83975

Carmelo Moyet
Facilities Engineer
Oakland County
1200 North Telegraph Road
Pontiac, MI 48341

Project 070486.04
BLANKET ORDER #3237

Restoration of Metal Utility Steam Tunnel from 32 East to 38 East

Sheriff's Admin RCC Steam Tunnel

Professional Services from January 29, 2018 to February 25, 2018

Personnel

		Hours	Rate	Amount
Senior Consultant				
Ireland, Robert	2/9/2018	.50	144.00	72.00
Review Report				
Project Engineer				
Bogdani, Roland	1/29/2018	1.00	121.00	121.00
report review/alt. overhead repair				
Bogdani, Roland	1/30/2018	1.00	121.00	121.00
alt. repair for overhead/shotcrete panel pickup and coring activities				
Bogdani, Roland	2/2/2018	1.00	121.00	121.00
review report				
Bogdani, Roland	2/5/2018	.50	121.00	60.50
shotcrete panel (coordinate coring with Kyle)				
Bogdani, Roland	2/8/2018	4.00	121.00	484.00
on-site field visit, discussion with Auch, review existing tunnel conditions				
Missing field observation reports				
Bogdani, Roland	2/12/2018	1.00	121.00	121.00
shotcrete report review/observation report				
Bogdani, Roland	2/13/2018	1.00	121.00	121.00
e-mail correspondence with Al Bussey (pending repairs at north tunnel)				
Bogdani, Roland	2/14/2018	2.50	121.00	302.50
on-site meeting, discussion with Auch				
review submittals				
shotcrete results				
Bogdani, Roland	2/20/2018	2.75	121.00	332.75
welding reports and general project correspondence				

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