

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

AGENDA

WEDNESDAY, AUGUST 8, 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 24)
 - a) Statement of Fund Balance, Balance Sheet (pages 5 thru 7) – **Informational**
 - b) Invoice(s) Project (page 8) - **Committee Action Required**
 - c) Steam Tunnel Report & Pictures (pages 19 thru 24) – **Informational**
7. Other Business
8. Adjourn until next regular meeting on **Wednesday, September 12, 2018**



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

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
BLDCO - Building Construction				
702000 - Salaries		0.00	13,079.09	
730352 - Construction		86,961.41	13,194,856.32	
773535 - Info Tech CLEMIS		0.00	200.59	
777560 - Radio Communications		0.00	3,599.06	
Building Construction TOTALS				
	13,429,604.00	86,961.41	13,211,735.06	\$217,868.94
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	8,600.75	
Fringe Benefits TOTALS				
	0.00	0.00	8,600.75	(\$8,600.75)
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 July 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		0.00	302,718.57	
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	0.00	532,171.80	\$158,224.20
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	\$86,961.41	\$14,977,521.93	\$472,478.07
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
655077-Accrued Interest Adjustments	(\$298.50)	\$25,350.46	
655385-Income from Investments	\$1,339.04	\$208,906.53	
697551-Issuance of Bonds	\$0.00	\$15,450,000.00	
TOTAL REVENUE	\$1,040.54	\$15,684,256.99	
REVENUE OVER/(UNDER) EXPENSES		\$706,735.06	

County of Oakland
BA Animal Control Pet Adoption
Statement of Fund Balance
For The Ten Months Ended July 31, 2018
Fund 41425

Revenues:

Income from Investments	19,114.75
Accrued Interest Adjustments	(1,770.82)
	17,343.93

Expenditures:

Charges Against Project	79,280.99
Subtotal	(61,937.06)
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 July 31, 2018	\$706,735.06
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**County of Oakland
BA Animal Control Pet Adoption
Balance Sheet
July 31, 2018
Fund 41425**

ASSETS

Cash Operating	681,384.60
Accrued Interest on Investment	25,350.46
	<u>706,735.06</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>706,735.06</u>
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Total Liabilities and Fund Balance	<u><u>706,735.06</u></u>
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Facilities Management
PROJECT WORK IN PROGRESS
c141 Sheriff RCCSteamTunni Ren
10000002604
 (as of July 31, 2018)

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
FRINGE_BENEFITS - Fringe Benefits				
722000 - Fringe Benefits		0.00	321.34	
Fringe Benefits TOTALS	0.00	0.00	321.34	(\$321.34)
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	558.72	
730352 - Construction		0.00	2,847,112.37	
Project TOTALS	2,550,000.00	0.00	2,847,671.09	(\$297,671.09)

Project 10000002604 - c141 Sheriff RCCSteamTunni Ren			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$2,550,000.00	\$0.00	\$2,848,174.21	(\$298,174.21)
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
695500-Transfers In	\$0.00	\$2,043,600.00	
TOTAL REVENUE	\$0.00	\$2,043,600.00	
REVENUE OVER/(UNDER) EXPENSES		(\$804,574.21)	

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

Revenues:	
Income from Investments	55,112.19
Accrued Interest Adjustments	2,173.16
	57,285.35
 Expenditures:	
Charges Against Project	(3,966,406.16)
Subtotal	(3,909,120.81)
Reimbursement General	
Operating Transfers In	
Operating Transfers Out	
Fund Balance at Beginning of Year	5,673,515.20
Fund Balance at July 31, 2018	\$1,764,394.39

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

ASSETS

Cash Operating	\$1,751,579.72
Accrued Interest on Investment	<u>12,814.67</u>
	<u><u>\$1,764,394.39</u></u>

LIABILITIES AND FUND BALANCE

Current Liabilities:	
Accounts Payable	0.00
Vouchers Payable	<u>0.00</u>
Total Current Liabilities	0.00
Fund Balance	<u>1,764,394.39</u>
Total Liabilities and Fund Balance	<u><u>\$1,764,394.39</u></u>

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

Date: **August 8, 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	6/30/2018	33988	C-141	Steam Tunnel Project 1..2604	(Paid from OC Treasurer's Acct) (Paid from Fund 41423)	\$109,463.25 \$111,642.50
						<u>\$221,105.75</u>
George W. Auch	7/15/2018	34072	C-141	Steam Tunnel Project 1..2604	(Paid from OC Treasurer's Acct) (Paid from Fund 41423)	\$0.00 \$12,665.90
						<u>\$12,665.90</u>
					Total	<u><u>\$233,771.65</u></u>

OC Building Authc 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 #	CONTRACT #	PAYMENT DATE
	8	3660	07/03/18
WORK ORDER #	PEOPLESOFT PROJECT #	PROJECT NO. & TITLE	
C141	100000002604	12-086 Steam Tunnel Project	

RECOMMENDATIONS FOR APPROVAL

This is to certify that George W. Auch
Is entitled to payment of Two Hundred Twenty One Thousand One Hundred Five Dollars & 75/100's
\$221,105.75

In accordance with invoice #33988 dated 06/30/18

Carmelo Moyet 7-11-18
Oakland County Division Project Manager-Carmelo Moyet Date Oakland County Division Supervisor-Jason Warner Date

Ed Joss 7-12-18
Oakland County Division Manager-Ed Joss Date Oakland County Building Authority-Jay Shah Date

REMARKS		STATEMENT OF ACCOUNT	
Retainage		Original Contract	
Previously Held:	\$241,023.20	Services:	\$2,337,000.00
Previous Payments:	\$0.00	Contingencies:	\$0.00
Sub-Total:	\$241,023.20	Allowances:	\$0.00
Current Retainage to Hold:	\$0.00	Total Original Contract Sum:	\$2,337,000.00
Current Retainage to Pay:	\$109,463.25	Net Changes by Change Orders:	\$719,266.00
Sub-Total:	(\$109,463.25)	Contract Sum to Date:	\$3,056,266.00
Retainage Account Balance:	\$131,559.95	Total Contract Completed to Date	\$3,008,331.20
		Less Retainage	(\$131,559.95)
		Total Earned Less Retainage	\$2,876,771.25
		Less Previous Certificates for Payment	(\$2,765,128.75)
		Current Invoice (Project Fund):	\$111,642.50
		Current Retainage to Pay (Treasure's Office):	\$109,463.25
		Total Current Payment Due:	\$221,105.75
		Total Balance to Finish, plus retainage:	\$47,934.80

Retainage Acct. 55669
 FORMAL RETAINAGE NOT FORMAL RETAINAGE

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PROJECT BUDGET SUMMARY	
Total Project Budget:	\$3,046,800.00
Expenditures To Date	(\$2,848,174.21)
Sub-Total:	\$198,625.79
Current Invoice:	\$111,642.50
Total Remaining Project Budget:	\$86,983.29

< includes Retainage Account Balance Amount

Fund 41423
Dept 1040105
Program 148020
Account 730352
Oper Unit 24811
Project # 2604
Source Type 00002
Category 29316
3130 RQ306556
10304277

Copies: Fiscal Services, Project Manager, FE File



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Oakland County
 1200 N. Telegraph
 Pontiac, MI 48341

REFER TO INVOICE 33988
 INVOICE DATE 06/30/18
 CONTRACT NO. 8069-00

LOCATION
 OC-SHERIFFADMIN RCC STEAMTUNNE

TERMS: NET. RECEIPT OF INVOICE

Owner's Project#/PO#/Contract#

CURRENT CONTRACT AMOUNT:	\$3,056,266.00

Total Completed & Stored to Date:	\$3,008,331.20
Less Retention -	\$131,559.95
Total Earned less Retention:	\$2,876,771.25
Less Previous Certificates for Payment:	\$2,529,189.67

AMOUNT DUE THIS INVOICE: \$347,581.58

THANK YOU

\$2,876,771.25 (Total Earned less Retention)
\$131,559.95 (Less Retention)

\$347,581.58 (Amount Due This Invoice)
 I have paid amount in full
 E-171. Balance to be
 submitted for Disbursement.

A Second Century of Building Trust

APPLICATION AND CERTIFICATE FOR PAYMENT

From: (Contractor) George W. Auch Company 65 University Drive Pontiac, MI 48342	To: (Owner) Oakland County 1200 N. Telegraph Pontiac, MI 48341
Invoice: 33988 Draw 8069-13 Invoice date: 6/30/2018 Period ending date: 6/30/2018	
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.....	\$719,266.00	OC-SHERIFFADMIN RCC STEAMTUNNE	
CONTRACT SUM TO DATE.....	\$3,056,266.00	Contract date:	
TOTAL COMPLETED AND STORED TO DATE	\$3,008,331.20	Architect:	Soil & Materials Engineers, Inc
RETAINAGE.....	\$131,559.95	Contract For:	OAKLAND COUNTY OC-SHERIFF ADMIN RCC STEAM TUNNEL REPAIRS PRE-CONSTRUCTION AND CONSTRUCTION SERVICES
TOTAL EARNED LESS RETAINAGE	\$2,876,771.25	Project Manager:	James Munchiando
LESS PREVIOUS CERTIFICATES FOR PAYMENT ..	\$2,529,189.67		
CURRENT PAYMENT DUE	\$347,581.58		
BALANCE TO FINISH.....	\$179,494.75		

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 thereto) 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 Craig Walden, Treasurer
 Date: June 29, 2018

State of Michigan
 County of Oakland

Subscribed and sworn to before me this 29th day of June, 2018
 Notary Public: Macomb County 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..... \$347,581.58
 (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: 33988 Draw 8069-13 Period Ending Date: 6/30/2018 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 (026779)								
10-04									
100-00	A - TUNNEL REPAIR								
100-01	RAM CONSTRUCTION SERVICE	691,367.00	691,367.00			691,367.00	100.0		34,568.35
100-02	CO #1 - BRACKETS	19,250.00	19,250.00			19,250.00	100.0		962.50
100-03	CO #2 - SHAFTS	73,186.00	73,186.00			73,186.00	100.0		3,659.30
100-04	CO #3 - ADDED RESTEEL RFI #	2,820.00	2,820.00			2,820.00	100.0		141.00
100-05	CO #3 ADD CABLE SUPPORT V	4,158.00	4,158.00			4,158.00	100.0		207.90
100-06	CO #4 REPLACE STEAM BRAC								
100-07	& TUNNEL RISERS	14,760.00	14,760.00			14,760.00	100.0		738.00
100-08	CO #5 QU CHANGES PER BULL	-52,948.00	-52,948.00			-52,948.00	100.0		-2,647.40
100-09	CO #7 ADJ UNITS & NORTH TUI	462,229.00	462,229.00			462,229.00	100.0		23,111.45
100-10	ADD'L WORK (AMEND#41)								
100-11	CO #8 PREP FOR COATING-N.T	379,033.00	379,033.00			379,033.00	100.0		18,951.65
100-12	CO #8 COATING FOR N.TUNNEL	220,967.00	220,967.00	220,967.00		220,967.00	100.0		11,048.35
100-13									
110-00	B - MECHANICAL								
110-01	VENTCON	70,020.00	70,020.00			70,020.00	100.0		3,501.00
110-02	CO #1 - PAINT CURB ADAPTER;	600.00	600.00			600.00	100.0		30.00
110-03	CO #4 SUMP DISCHARGE, REV								
110-04	SUBMITTAL FOR ATTACHMEN'	8,129.00	8,129.00			8,129.00	100.0		406.45
110-05	CO #8 ISOLATE 6" PIPE								
110-06	GUARD SOUTH TUNNEL	550.00	550.00			550.00	100.0		27.50
110-07	CO #7 ISOLATE FOR S.TUNNEL	1,078.00	1,078.00			1,078.00	100.0		53.90
110-08									
120-00	C - ELECTRICAL								
120-01	METRO ELECTRIC	736,000.00	736,000.00			736,000.00	100.0		36,800.00
120-02									
500-00	ALLOWANCES								
510-00	TUNNEL REPAIR NORTH								
510-01	MOVE \$119,000 TO NORTH TUN								
510-02									
	SUBTOTALS	2,631,199.00	2,410,232.00	220,967.00		2,631,199.00		0.00	131,559.95

CONTINUATION SHEET

Project: 8069-00 / OC-SHERIFFADMIN RCC Invoice: 33988 Draw 8069-13 Period Ending Date: 6/30/2018 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
510-03									
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									
560-00	SAFETY CREW CONFINED SPA								
560-01	MOVE \$60,000 TO NORTH TUNN								
560-02									
570-00	ELECTRICAL FEED								
570-01	MOVE \$26,268 TO NORTH TUNN								
570-02									
580-00	IRRIGATION / RESTORATION	5,000.00	1,664.00	22.00		1,686.00	33.7	3,314.00	
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	191,575.00			191,575.00	100.0		
1010-01	GC'S NORTH TUNNEL	50,000.00	9,555.00	8,240.00		17,795.00	35.6	32,205.00	
1010-02									
1020-00	PERMITS	14,702.00	14,702.00			14,702.00	100.0		
1020-01									
1030-00	CONTINGENCY	10,000.00						10,000.00	
1030-01	CONTINGENCY NORTH TUNNE								
1030-02									
1040-00	OCP INSURANCE	2,000.00	2,000.00			2,000.00	100.0		
1040-01									
1050-00	BOND	30,822.00	27,937.64	2,267.92		30,205.56	98.0	616.44	
1050-01									
1060-00	GL INSURANCE	15,425.00	13,981.06	1,135.44		15,116.50	98.0	308.50	
1060-01									
1070-00	2.5% FEE	74,543.00	67,566.17	5,485.97		73,052.14	98.0	1,490.86	
Grand Totals		\$3,056,266.00	\$2,770,212.87	\$238,118.33		\$3,008,331.20	98.4	\$47,934.80	\$131,559.95

BA



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 #	CONTRACT #	PAYMENT DATE
9	3660	07/18/18
WORK ORDER #	PEOPLESOFT PROJECT #	PROJECT NO. & TITLE
C141	10000002604	12-086 Steam Tunnel Project

RECOMMENDATIONS FOR APPROVAL

This is to certify that George W. Auch
 Is entitled to payment of Twelve Thousand Six Hundred Sixty Five Dollars & 90/100's **\$12,665.90**

In accordance with invoice #34072 dated 07/15/18
Carmelo Moyet 7/31/18

Oakland County Division Project Manager-Carmelo Moyet Date Oakland County Division Supervisor-Jason Warner Date
Ed Joss 7-31-18

Oakland County Division Manager-Ed Joss Date Oakland County Building Authority-Jay Shah Date

REMARKS	STATEMENT OF ACCOUNT
Retainage	Original Contract
Previously Held: \$241,023.20	Services: \$2,337,000.00
Previous Payments: \$109,463.25	Contingencies: \$0.00
Sub-Total: \$131,559.95	Allowances: \$0.00
Current Retainage to Hold: \$0.00	Total Original Contract Sum: \$2,337,000.00
Current Retainage to Pay: \$0.00	Net Changes by Change Orders: \$719,266.00
Sub-Total: \$0.00	Contract Sum to Date: \$3,056,266.00
Retainage Account Balance: \$131,559.95	Total Contract Completed to Date: \$3,020,997.10
<i>Retainage Acct. 55669</i>	Less Retainage: (\$131,559.95)
	Total Earned Less Retainage: \$2,889,437.15
	Less Previous Certificates for Payment: (\$2,876,771.25)
	Current Invoice (Project Fund): \$12,665.90
	Current Retainage to Pay (Treasurer's Office): \$0.00
	Total Current Payment Due: \$12,665.90
<input checked="" type="checkbox"/> FORMAL RETAINAGE <input type="checkbox"/> NOT FORMAL RETAINAGE	Total Balance to Finish, plus retainage: \$35,268.90

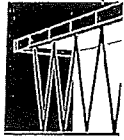
PROJECT BUDGET SUMMARY

Total Project Budget:	\$3,046,800.00
Expenditures To Date:	(\$2,959,816.71)
Sub-Total:	\$86,983.29
Current Invoice:	\$12,665.90
Total Remaining Project Budget:	\$74,317.39

< includes Retainage Account Balance Amount

Fund 41423
 Dept 1048105
 Program 148020
 Account 730352
 Oper Unit 24811
 Project # 2604
 Source Type 00002
 Category 29816
3/30 RQ 306556
PO 304272

Copies: Fiscal Services, Project Manager, FE File



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Oakland County
 1200 N. Telegraph
 Pontiac, MI 48341

REFER TO INVOICE 34072
 INVOICE DATE 07/15/18
 CONTRACT NO. 8069-00

LOCATION
 OC-SHERIFFADMIN RCC STEAMTUNNE

TERMS: NET. RECEIPT OF INVOICE

Owner's Project#/PO#/Contract#

CURRENT CONTRACT AMOUNT:	\$3,056,266.00

Total Completed & Stored to Date:	\$3,020,997.10
Less Retention -	\$131,559.95
Total Earned less Retention:	\$2,889,437.15
Less Previous Certificates for Payment:	\$2,876,771.25

AMOUNT DUE THIS INVOICE: \$12,665.90

THANK YOU

A Second Century of Building Trust

APPLICATION AND CERTIFICATE FOR PAYMENT

From: (Contractor) George W. Auch Company
 65 University Drive
 Pontiac, MI 48342

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

Invoice: 34072
 Draw 8069-14
 Invoice date: 7/15/2018
 Period ending date: 7/15/2018

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.....	\$719,266.00		OC-SHERIFFADMIN RCC STEAMTUNNE
CONTRACT SUM TO DATE.....	\$3,056,266.00	Contract date:	
TOTAL COMPLETED AND STORED TO DATE	\$3,020,997.10	Architect:	Soil & Materials Engineers, Inc
RETAINAGE.....	\$131,559.95	Contract For:	OAKLAND COUNTY OC-SHERIFF ADMIN RCC STEAM TUNNEL REPAIRS PRE-CONSTRUCTION AND CONSTRUCTION SERVICES
TOTAL EARNED LESS RETAINAGE	\$2,889,437.15	Project Manager:	James Munchlando
LESS PREVIOUS CERTIFICATES FOR PAYMENT..	\$2,876,771.25		
CURRENT PAYMENT DUE	\$12,665.90		
BALANCE TO FINISH.....	\$166,828.85		

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: G Walden
 By: Craig Walden, Treasurer

Date: July 18, 2018

Subscribed and sworn to before me this 18th day of July, 2018
 Notary Public: Macomb County 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..... \$12,665.90
 (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: 34072 Draw 8069-14 Period Ending Date: 7/15/2018 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 (026779)								
10-04									
100-00	A - TUNNEL REPAIR								
100-01	RAM CONSTRUCTION SERVICE	691,367.00	691,367.00			691,367.00	100.0		34,568.35
100-02	CO #1 - BRACKETS	19,250.00	19,250.00			19,250.00	100.0		962.50
100-03	CO #2 - SHAFTS	73,186.00	73,186.00			73,186.00	100.0		3,659.30
100-04	CO #3 - ADDED RESTEEL RFI#	2,820.00	2,820.00			2,820.00	100.0		141.00
100-05	CO #3 ADD CABLE SUPPORT V	4,158.00	4,158.00			4,158.00	100.0		207.90
100-06	CO #4 REPLACE STEAM BRAC								
100-07	& TUNNEL RISERS	14,760.00	14,760.00			14,760.00	100.0		738.00
100-08	CO #5 QU CHANGES PER BULL	-52,948.00	-52,948.00			-52,948.00	100.0		-2,647.40
100-09	CO #7 ADJ UNITS & NORTH TUI	462,229.00	462,229.00			462,229.00	100.0		23,111.45
100-10	ADD'L WORK (AMEND#41)								
100-11	CO #8 PREP FOR COATING-N.T	379,033.00	379,033.00			379,033.00	100.0		18,951.65
100-12	CO #8 COATING FOR N.TUNNEL	220,967.00	220,967.00			220,967.00	100.0		11,048.35
100-13									
110-00	B - MECHANICAL								
110-01	VENTCON	70,020.00	70,020.00			70,020.00	100.0		3,501.00
110-02	CO #1 - PAINT CURB ADAPTER	600.00	600.00			600.00	100.0		30.00
110-03	CO #4 SUMP DISCHARGE, REV								
110-04	SUBMITTAL FOR ATTACHMEN'	8,129.00	8,129.00			8,129.00	100.0		406.45
110-05	CO #6 ISOLATE 6" PIPE								
110-06	GUARD SOUTH TUNNEL	550.00	550.00			550.00	100.0		27.50
110-07	CO #7 ISOLATE FOR S.TUNNEL	1,078.00	1,078.00			1,078.00	100.0		53.90
110-08									
120-00	C - ELECTRICAL								
120-01	METRO ELECTRIC	736,000.00	736,000.00			736,000.00	100.0		36,800.00
120-02									
500-00	ALLOWANCES								
510-00	TUNNEL REPAIR NORTH								
510-01	MOVE \$119,000 TO NORTH TUN								
510-02									
	SUBTOTALS	2,631,199.00	2,631,199.00			2,631,199.00		0.00	131,559.95

CONTINUATION SHEET

Project: 8069-00 / OC-SHERIFFADMIN RCC Invoice: 34072 Draw 8069-14 Period Ending Date: 7/15/2018 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
510-03									
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									
560-00	SAFETY CREW CONFINED SPA								
560-01	MOVE \$60,000 TO NORTH TUNI								
560-02									
570-00	ELECTRICAL FEED								
570-01	MOVE \$28,288 TO NORTH TUNI								
570-02									
580-00	IRRIGATION / RESTORATION	5,000.00	1,686.00	3,314.00		5,000.00	100.0		
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	191,575.00			191,575.00	100.0		
1010-01	GC'S NORTH TUNNEL	50,000.00	17,795.00	8,144.00		25,939.00	51.9	24,061.00	
1010-02									
1020-00	PERMITS	14,702.00	14,702.00			14,702.00	100.0		
1020-01									
1030-00	CONTINGENCY	10,000.00							
1030-01	CONTINGENCY NORTH TUNNE								
1030-02									
1040-00	OCP INSURANCE	2,000.00	2,000.00			2,000.00	100.0		
1040-01									
1050-00	BOND	30,822.00	30,205.56	308.22		30,513.78	99.0	308.22	
1050-01									
1060-00	GL INSURANCE	15,425.00	15,116.50	154.25		15,270.75	99.0	154.25	
1060-01									
1070-00	2.5% FEE	74,543.00	73,052.14	745.43		73,797.57	99.0	745.43	
	Grand Totals	\$3,056,266.00	\$3,008,331.20	\$12,665.90		\$3,020,997.10	98.8	\$35,268.90	\$131,569.95

OAKLAND COUNTY EXECUTIVE
DEPARTMENT OF FACILITIES MANAGEMENT
FACILITIES PLANNING & ENGINEERING DIVISION

12-086 38E to 32E Utility Tunnel Repair

BEFORE and AFTER

Fig. 1 Before – Resource & Crisis Center Steam Tunnel, south edge of building, looking south. Electrical, communication and data cables on left side, supported by tunnel wall. Steam pipe, condensate pipe, electrical conduit on right side, supported by existing metal framing system.



Handwritten signature in blue ink.

Fig. 1 After – Resource & Crisis Center Steam Tunnel, south edge of building, looking south. Electrical, communication and data cables on left side, supported by new brackets. New tunnel coating and structural floor.

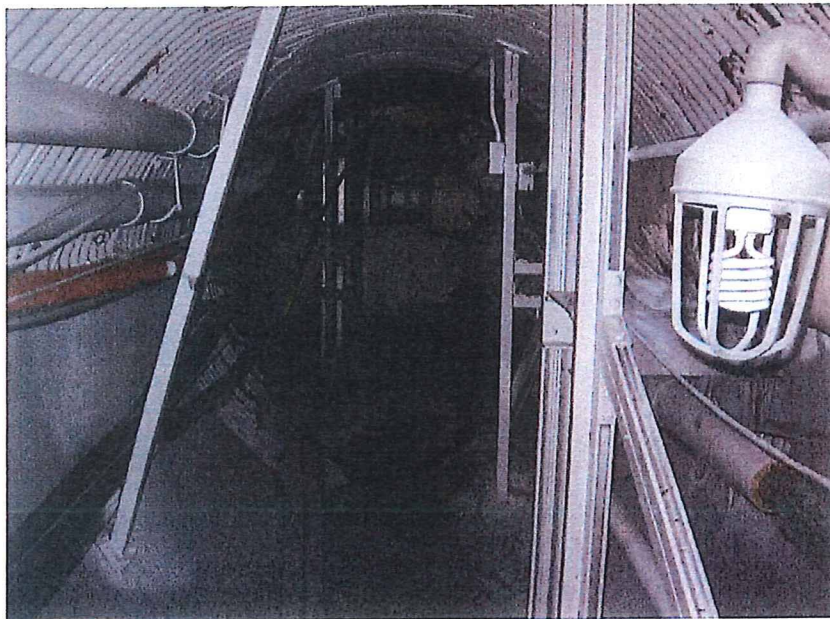


Fig. 2 Before – Resource & Crisis Center Steam Tunnel, under building, looking north. Electrical, communication and data cables on right side, supported by tunnel wall. Steam pipe, condensate pipe, electrical conduit on left side, supported by existing metal framing system.



Fig. 2 After – Resource & Crisis Center Steam Tunnel, under building, looking north. Electrical, communication and data cables on right side, supported by new brackets. New tunnel coating and structural floor.



Fig. 3 Before – Resource & Crisis Center Steam Tunnel, north of building, near creek, looking north. Electrical, communication and data cables on right side, supported by tunnel wall. Steam pipe, condensate pipe, electrical conduit on left side, supported by existing metal framing system.



Fig. 3 After – Resource & Crisis Center Steam Tunnel, north of building, near creek, looking north. Electrical, communication and data cables on right side, supported by new brackets. New tunnel coating.

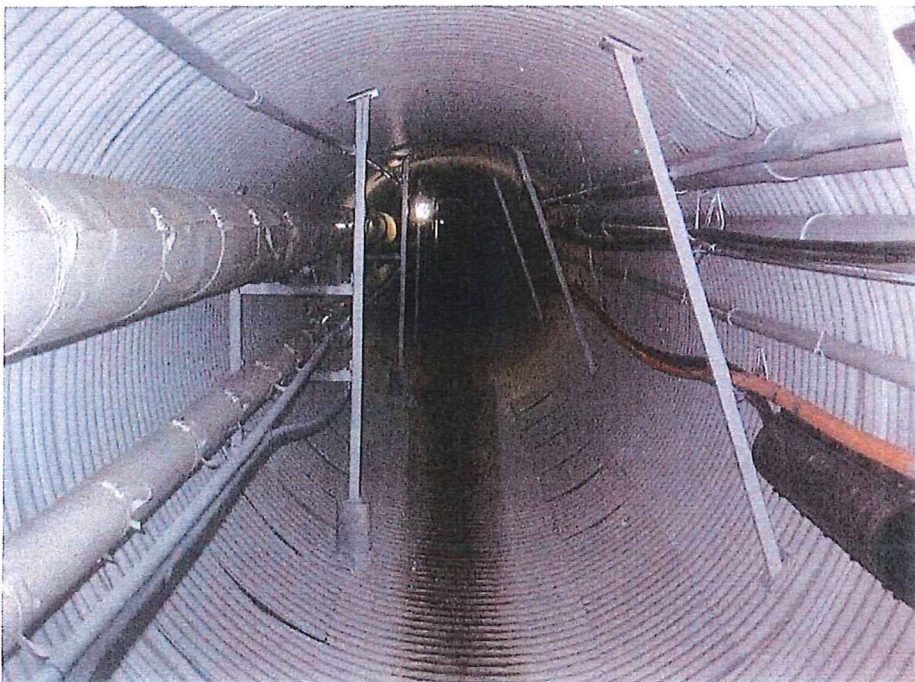


Fig. 4 Before – Sheriff Administration Steam Tunnel, north of creek, looking south. Electrical, communication and data cables on left side, supported by tunnel wall. Steam pipe, condensate pipe, electrical conduit on right side, supported by existing metal framing system.



Fig. 4 After – Sheriff Administration Steam Tunnel, north of creek, looking south. Electrical, communication and data cables on left side, supported by new brackets. New tunnel coating, exhaust fan and structural floor.



Fig. 5 Before – Sheriff Administration Steam Tunnel, north of County Center Drive, looking south. Electrical, communication and data cables on left side, supported by tunnel wall. Steam pipe, condensate pipe, electrical conduit on right side, supported by existing metal framing system.



Fig. 5 Before – Sheriff Administration Steam Tunnel, north of County Center Drive, looking south. Electrical, communication and data cables on left side, supported by new brackets. New tunnel coating and structural floor.



Fig. 6 Before – Sheriff Administration Steam Tunnel, approximately south side of building, looking south. Electrical, communication and data cables on left side, supported by tunnel wall. Steam pipe, condensate pipe, electrical conduit on right side, supported by existing metal framing system.

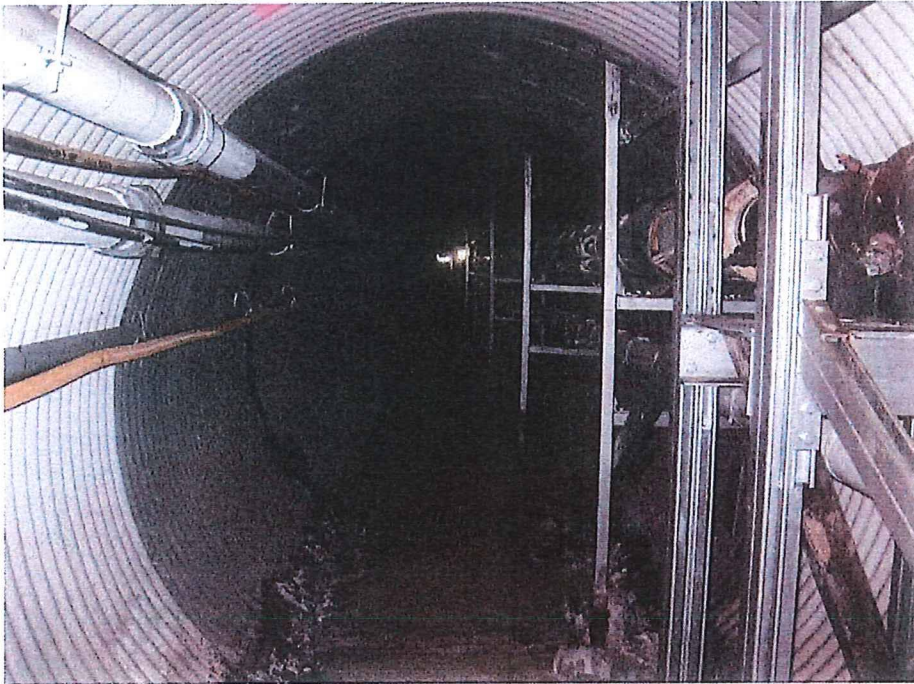


Fig. 6 After – Sheriff Administration Steam Tunnel, approximately south side of building, looking south. Electrical, communication and data cables on left side, supported by new brackets. New tunnel coating and structural floor.

