

**James River Water Authority
Board of Directors Meeting
181 Clubhouse Way
Zion Crossroads, Virginia
November 7, 2017
10:30 A.M.**

Regular Business Meeting of the James River Water Authority Board of Directors

- I. Call to Order**
- II. Adoption of Agenda**
- III. Items from the Public**
- IV. Approval of Minutes of Preceding Meeting**
 - a. October 3, 2017 – Regular Meeting
- V. Financial Report**
 - a. Bills Approval
 - i. MBP Invoice
 - ii. Hefty Wiley Invoice
 - iii. Timmons Group
- VI. Discussion/Information Items**
 - a. Corps of Engineers Permit Update
- VII. Action Items**
- VIII. Consent Agenda**
- IX. Closed Meeting**
- X. Adjournment**

The James River Water Authority Board of Directors reserves the right to amend and/or change the Agenda the day of the meeting.

BY ORDER OF:
GOODMAN B. DUKE, CHAIRMAN
BOARD OF DIRECTORS
JAMES RIVER WATER AUTHORITY

**JAMES RIVER WATER AUTHORITY
BOARD OF DIRECTORS
SPRING CREEK SPORTS CLUB
181 CLUBHOUSE WAY
ZION CROSSROADS, VIRGINIA
October 3, 2017
10:30 A.M.**

Present: Goodman Duke (Chairman), Joe Chesser (Treasurer), D.D. Watson, Mark Dunning, Steven Nichols, and Christian Goodwin

Absent: Mark Dunning

Others Present: Brendan Hefty, Legal Counsel (Hefty, Wiley, and Gore); Greg Krysiniaik (Faulconer Construction); Mike Knight (MBP Engineering), Pam Baughman (Louisa Water Authority); Doug Wylie; and Joe Hines (Timmons Group)

CALL TO ORDER

Chairman Duke called the meeting of the James River Water Authority (JRWA) Board of Directors to order at 10:30 a.m. Mr. Nichols led the Board in the Pledge of Allegiance.

ADOPTION OF AGENDA

Mr. Goodwin requested that the discussion item be revised to reflect a permit discussion regarding the Corps of Engineers permit in order to correct a typographical error. On the motion of Mr. Nichols, seconded by Mr. Goodwin, which carried by a vote of 5-0, the Board amended and approved the agenda.

APPROVAL OF MINUTES OF PRECEDING MEETING

On the motion of Mr. Nichols, seconded by Mr. Watson, which carried by a vote of 5-0, the Board approved the minutes of the September 5, 2017 meeting.

FINANCIAL REPORT

Mr. Chesser noted that the authority had \$514,657.53 available to meet obligations. He presented bills in the packet for the Board's consideration. On the motion of Mr. Nichols, seconded by Mr. Goodwin, which passed by a vote of 5-0, the payments were approved.

Mr. Chesser asked for details regarding Faulconer's services. Mr. Krysiniaik responded that they were employing Timmons to work with Fluvanna on the final approved plan set.

Mr. Watson expressed concerns that construction was not taking place yet, and Mr. Goodwin agreed, stating that the final federal permit was still pending issuance.

Mr. Duke questioned why the estimated costs associated with boring under the railroad were higher than those for boring under Route 6. Mr. Krysiniak responded that the topographical features, depth, and required materials/equipment such as thicker casing were contributory. Ms. Baughman also stated that rails can carry electrical current which may affect piping.

DISCUSSION/INFORMATION ITEMS

Discussion – Corps of Engineers Permit Update

Mr. Goodwin provided an update on the Corps of Engineers permit for the project. He stated that the Virginia Department of Health estimated that the burial permit required to complete the testing should be issued this week. This permit will allow phase 1 testing to proceed, which is important to the final permit's issuance. Discussion ensued regarding the timing of the permit.

ACTION ITEMS

(none)

CLOSED SESSION

On the motion of Mr. Goodwin, seconded by Mr. Nichols, which carried by a vote of 5-0, the Board voted to enter Closed Session at 10:54 a.m. for the purpose of discussing the following:

1. In accordance with 2.2-3711(A)(7) for consultation with legal counsel regarding the issuance of the U.S. Army Corps of Engineers' permit.

RESUMPTION OF REGULAR SESSION

On the motion of Mr. Goodwin seconded by Mr. Nichols, which carried by a vote of 5-0, the Board voted to return to regular session at 11:20 a.m.

RESOLUTION - CERTIFICATION OF CLOSED SESSION

By roll call, which carried by a vote of 5-0, the Board voted to adopt the following resolution:

WHEREAS, the James River Water Authority Board of Directors has convened a Closed Meeting pursuant to an affirmative recorded vote and in accordance with the provisions of the Virginia Freedom of Information Act; and

WHEREAS, §2.2-3712.D of the Code of Virginia requires a certification by the James River Water Authority Board of Directors that such closed meeting was conducted in conformity with the Virginia Law.

NOW, THEREFORE BE IT RESOLVED that the James River Water Authority Board of Directors does hereby certify that, to the best of each member's knowledge, (i) only public business

matters lawfully exempted from open meeting requirements by Virginia law were discussed in the closed meeting to which this certification resolution applies, and (ii) only such public business matters as were identified in the motion convening the closed meeting was heard, discussed or considered by the James River Water Authority Board of Directors.

NAME

D.D. Watson
Mark Dunning
Christian R. Goodwin
Steven M. Nichols
Goodman B. Duke
Joe Chesser

VOTE

Yes/Aye
(absent)
Yes/Aye
Yes/Aye
Yes/Aye
Yes/Aye

ADJOURNMENT

On the motion of Mr. Goodwin, seconded by Mr. Nichols, which carried by a vote of 5-0, the Board voted to adjourn the meeting at 11:13 a.m.

BY ORDER OF:

GOODMAN B. DUKE, CHAIRMAN
BOARD OF DIRECTORS
JAMES RIVER WATER AUTHORITY



October 23, 2017
 Invoice No: 507355

Remit To:
MBP
Williams Plaza 1
3040 Williams Drive, Suite 300
Fairfax, VA 22031-2215

Fluvanna, County of
 James River Water Authority
 Attn: Steve Nichols, Fluvanna Co. Administrator
 132 Main Street, P.O. Box 540
 Palmyra, VA 22963

Contract #: N/A
 Subcontract #: N/A
 Purchase Order #: N/A

Invoice Total	\$1,207.50
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Project Manager: Joseph Modica
 Project: J16223.001 James River Water Supply System

Professional Services through September 30, 2017

Professional Personnel

	Hours	Rate	Amount	
Construction Manager				
Knight, Michael	10.50	115.00	1,207.50	
Totals	10.50		1,207.50	
Total Labor				1,207.50

Contract	Current	Prior	To-Date	
Total Billings	1,207.50	21,784.09	22,991.59	
Contract Value			374,423.00	
Remaining			351,431.41	
				Total this Invoice
				<u><u>\$1,207.50</u></u>

Outstanding Invoices

Number	Date	Balance
507046	9/22/2017	1,150.00
Total		1,150.00

Billing Backup

McDonough Bolyard Peck, Inc. - LIVE

Invoice 507355 Dated 10/23/2017

Monday, October 23, 2017

5:46:04 PM

Project: J16223.001 James River Water Supply System

Professional Personnel

			Hours	Rate	Amount	
Construction Manager						
35CNMG00 - Knight, Michael	9/1/2017		2.00	115.00	230.00	
	Working in C'ville- Final draft of Monthly report for JRWA Board & Final processing of Pay App #6					
35CNMG00 - Knight, Michael	9/4/2017		.50	115.00	57.50	
	Working in C'ville- Prep for JRWA Bd Mtg					
35CNMG00 - Knight, Michael	9/5/2017		1.75	115.00	201.25	
	Working in C'ville- Attend and F/U on JRWA BD MTG					
35CNMG00 - Knight, Michael	9/6/2017		1.50	115.00	172.50	
	Working from C'ville- Site walk for Intake Structure and Pump Station					
35CNMG00 - Knight, Michael	9/19/2017		2.75	115.00	316.25	
	Working from Charlottesville-Prep, attending and F/U monthly JRWA Owners Meeting					
35CNMG00 - Knight, Michael	9/29/2017		1.00	115.00	115.00	
	Working in Charlottesville- Initiating Pay App and Monthly Report					
35CNMG00 - Knight, Michael	9/30/2017		1.00	115.00	115.00	
	worked on monthly report and pay-app					
	Totals		10.50		1,207.50	
	Total Labor					1,207.50
				Total this Project		\$1,207.50
				Total this Report		\$1,207.50



Pay Application Approval Recommendation

James River Water Project PPEA

Project Name:	James River Water Project	MBP No.:	October 29, 2017 J16223
Location:	Fluvanna County, VA	Project Owner:	JRWA
MBP CM	Michael C. Knight, P.E.	Construction Inspector	TBD
General Contractor:	Falconer Construction Company, LLC	Architect/Engineer:	Timmons Group

EXECUTIVE SUMMARY

We have reviewed Falconer Construction Company's Application and Certificate for Payment #8 (Pay App #8) as attached for the James River Water Project PPEA.

Pay App #8 appears to be a fair and accurate accounting of cost reimbursement due in accordance with conditions of the contract.

Accordingly, MBP recommends approval of Falconer's Pay App #8 as requested in the amount of \$26,220.00.

DISCUSSION

Payment requested includes \$27,600.00 from the budgeted \$281,824.00 under Line 2 of the Schedule of values for Engineering; less the standard 5% Retainage (\$1,380.00) for a total payment due of \$26,220.00. The accompanying list of Timmons Group efforts as of October 31, 2017 provides details of major items of work completed under Pay App #8.

Also, see the cumulative accounting captured in the Pay Application Approval Recommendation Register immediately following.

Please do not hesitate to call if you have questions or comments regarding this action.

Prepared By:
Michael C. Knight, P.E.

MBP Construction Manager
[804]330-4875 Office
[434]981-5437 Cell



VICINITY MAP

JAMES RIVER WATER AUTHORITY WATER PROJECT MONTHLY REPORT FOR AUGUST-SEPTEMBER 2017

PROJECT # 33927

October 3, 2017

Prepared for

James River Water Authority Board

EXECUTIVE SUMMARY

The following Executive Report is to provide the monthly status and update the progress of the James River Water Authority (JRWA) Water Project, Project #33927.

The James River Water Authority (JRWA) Board continues to provide executive leadership for all the project stakeholders, and executive oversight and direction for the interactive efforts of the JRWA, Falconer Construction Company (FCC), Timmons Group (TG), and McDonough Bolyard Peck (MBP) construction project team.

While considerable progress has been made over this past month, the Critical Path continues to be through the Cultural Resources/Archeological Site Surveys, and the associated permitting through the offices of the US Army Corps of Engineers (USACE) and the Virginia Department of Historic Resources (VDHR). We continue to wait upon the issuance of the Burial Permits to commence the final stages of the cultural resources survey process at the Intake and Pump Station locations. The “when will we start actual construction?” question continues to be tied to the completion of this work and issuance of permits from the USACE and VDHR. After three joint meetings with the USACE/VDHR and “Interested Parties” of the Indian Nations the light is beginning to shine at the end of the tunnel, but there still a considerable amount of effort remains to get to construction start. As in previous months, we continue to remain in a “ready, but waiting”, mode until the Memorandum of Agreement (MOA), and requisite Burial Permit, is adjudicated by the USACE/VDHR with the concerned Indian Nations.

On September 6, 2017 a site visit to survey the access and egress routes from primary work sites was conducted with FCC, MEB Construction, TG, CIRCA, and MBP all present. A number of locations along the route will require controlled fill, widening, tree clearing, drainage management, and possible wetlands mitigation. Timmons Group and MEB are refining work requirements and solutions to mitigate potential damage to the existing roadway and associated natural environment. The most significant areas of interest included the vertical curve at the railroad crossing, a possible wetlands impact at a wet and constricted point, a narrow crossing over an existing culvert with a significant drop off immediately adjacent to the roadway.

Significant actions and/or accomplishments over this past reporting period, or just prior, including the following.

- Continued refinements of FCC’s BASELINE Construction Schedule
- Three (3) Teleconferences between County principals and USACE/VDHR, and Indian Nations and their representatives for MOA Burial Permit Status
- Site visit on September 6, 2017 to survey access and egress routes to primary work sites, and develop solutions to ensure safe access and egress throughout the construction period

Major activities and objectives for the next reporting period include the following:

- Approval from Fluvanna County and DEQ for Site Plan and ES&C submittals
- Approval of submittal to VDH
- Continue coordination with the USACE/VDHR and Indian Tribes as appropriate
- VDHR coordinates with Indian Tribes as necessary to finalize burial permit for issuance
- Standing by and prepared to begin the “deep digs” at the Pump Station site once the Burial Permits are issued



- Refining preparations for the next “Partnering Session”

On-site activities will continue to be in a hold pattern, as we will be in wait mode until USACE/VDHR complete MOA negotiations with the Indian Nations and issue necessary burial permits for us to proceed with the deep dig surveys at the Pump Station and Intake locations.

When will we be in the actual construction phase? We are still totally dependent upon completion of the USACE/VDHR MOA, issuance of Burial Permits, and cultural resources work completion at the Pump Station and Intake sites. With the established pace of the Cultural Resources Survey Phase, continued regular dialogue between the County Principals, Faulconer Construction, USACE/VDHR and the associated Indian Tribes has proven to be essential to keep the action moving forward.

CONTRACT STATUS (Still in Pre-Construction Phase)

<u>COMPLETION DATE STATUS</u> (As of 8/29/2017)		<u>CONTRACT AMOUNT STATUS</u> (As of Application for Payment No. 6, dated 8/29/2017)	
Type of Contract:	Design/Build	Original Contract Amount:	\$7,938,731.00
Contract Execution Date(NTP):	01/03/2017	Total No/Amt Change Orders:	3/\$26,760.00
Original Completion Date:	TBD	Total Contract Amount:	\$7,965,491.00
Original Contract Duration:	TBD	Total Value of Work to Date:	\$394,160.00
Approved Time Extensions:	TBD	Retainage Held to Date:	\$19,708.00
Current Completion Date:	TBD	Value Less Retainage:	\$374,452.00
Current Contract Duration:	TBD	Balance to Finish:	\$7,591,039.00
Contract Time Used to Date:	TBD	Actual % Constr. Complete:	0.0%
Contract Time Remaining:	TBD		
% Contract Time Elapsed:	TBD		

BUDGET

Value Engineering Activities are completed and noted by FCC and TG. Once the Baseline Schedule and the Schedule of Values have been submitted, a Time versus Expenditures graph will be inserted with Scheduled and Actual Budget Expenditures plotted for comparison.

The potential budget increase estimates due to delays in construction start date provided on July 14,2017 by FCC in their Communication of Cost Increases reflects potential cost creep, across all elements of work, between \$759,667 (9.5%) and \$976,848 (12.3%). These costs are significant, and could become even more significant as FCC reports that the construction market in Central Virginia is currently observing continued market price creep. This item of interest needs to be fully adjudicated before we can initiate our final monthly BUDGET and CPM progress monitoring.

To date a total of \$374,452.00 (4.7 %) of total currently approved budget of \$7,965,461.00 has been disbursed during the Pre-Construction Phase. A total of \$19,708.00 in Retainage is also obligated against total project budget; leaving a total of \$7,591,039.00 currently available in the construction budget.

CPM SCHEDULE MONTHLY PROGRESS REPORT

A time versus percent complete graphic, with Scheduled and Actual Construction Progress plotted for comparison, will be inserted in this section once Baseline Schedule has been submitted and approved by the JRWA, and actual construction effort start date is determined. Since Construction Start is yet to be determined, no formal Baseline Schedule has been submitted by FCC for final JRWA approval. Our “Best Guess” on Construction Start Date is in the Spring-Summer of 2018.

CONSTRUCTION NARRATIVE REPORT

Our narrative remains the same. While FCC has continued to develop a probable baseline schedule and has reviewed with the JRWA, until actual start date is determined the weather considerations and external milestones cannot be loaded into the time lines. Once a definitive start date is established, the schedule will be updated and a formal BASELINE construction logic network and schedule will be submitted by FCC for review and approval.

The FCC and their subs continue to refine plans to mitigate cost creep due to unexpected long-term delays to actual construction start. This effort involves developing multiple contingency plans and ordering materials that can be safely stored. The FCC submitted their Preliminary Cost Creep Mitigation notice on July 12, 2017, and it was discussed as part of the Owner’s Meeting Agenda on July 18, 2017. The project Team continues to assess the impacts of these probable increased costs.

CURRENT CONSTRUCTION ACTIVITY

Except for the Cultural Resources activities, there has been no on-site construction activity up to this time.

SITE

Civil:

- Access/egress site survey conducted September 6, 2017

Utilities (Private Services):

- No activity

Erosion & Sedimentation:

- Awaiting approvals of submittals to Fluvanna, DEQ, and VDOT

BUILDING

Building Area (Subcontractors):

- No activity

PROPERTY ACQUISITION

All property Acquisitions and access agreements were completed in May 2017.

DESIGN PROGRESS

Design In Progress:

- 100% CDS; all divisions awaiting final Cultural Resource Survey results. No major impacts are expected at this time.

Issues for Resolution:

- No significant outstanding design issues are known.

OCTOBER 2017 FORECAST

- With the exception of on-going route access/egress mitigation and stabilization plans, no work on site is contemplated over the next reporting period. As previously stated, we must continue to wait for USACE/VDHR and Indian Nations MOA preparation and Burial Permitting action moving forward. We may want to initiate the requisite actions to complete the Threatened and Endangered Species Field Study and Wetlands Permit issuance.

SITE:

- No Activity beyond potential follow-up on route access/egress planning solutions.

BUILDING:

- No Activity

DESIGN:

- Timmons Group hoping to update 100% CDs IAW Cultural Resources Survey Results

ACTION ITEMS

NEW:

- Continued regular scheduled meetings between USACE/VDHR, Indian Tribes, and County Principals

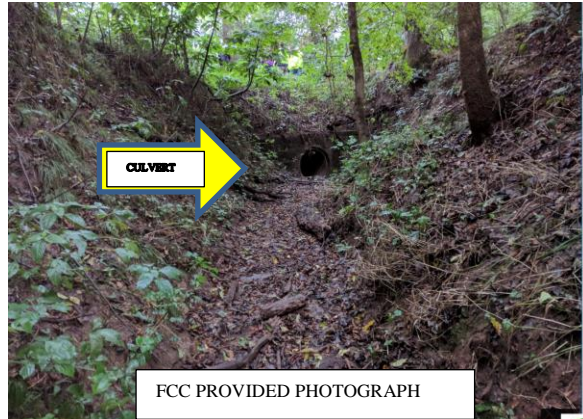
PENDING:

- USACE/VDHR and Indian Nations MOA
- Award of Burial Permits by USACE/VDHR
- Threatened and Endangered Species Field Study

RESOLVED:

- Submission of E&S and Site Plans (Waiting approvals)

PROGRESS PHOTOGRAPHS



CULVERT AT ROAD CONSTRICTION
SURVEYED ON SEPTEMBER 6, 2017 SITE WALK

Please submit any comments on content of this report to the undersigned.

Prepared By:

Signed: *Michael C Knight*
Michael Knight, PE
Construction Manager, MBP
mknight@mbpce.com
804-330-4875 Office
404-981-5437 Cell

Date: 9/30/2017



VICINITY MAP

JAMES RIVER WATER AUTHORITY WATER PROJECT MONTHLY REPORT FOR SEPTEMBER-OCTOBER 2017

PROJECT # 33927

November, 2017

Prepared for

James River Water Authority Board

EXECUTIVE SUMMARY

The following Executive Report is to provide the monthly status and update the progress of the James River Water Authority (JRWA) Water Project, Project #33927.

The James River Water Authority (JRWA) Board continues to provide executive leadership for all the project stakeholders, and executive oversight and direction for the interactive efforts of the JRWA, Falconer Construction Company (FCC), Timmons Group (TG), and McDonough Bolyard Peck (MBP) construction project team.

We had a major breakthrough this month with the issuance of the Burial Permit from the USACE and VDHR the day following the last board meeting. Falconer and the CIRCA team was on site by the following week and has been diligently pursuing the Cultural resources Investigations at the Pump Station and Lift sites adjacent to the James River.

Significant actions and/or accomplishments over this past reporting period, or just prior, including the following.

- Obtaining the Burial Permit and approvals to move forward with Cultural Resources Investigations at the Pump Station and Intake sites adjacent to the James River.
- Fluvanna County Planning Commission voted to approve the project on October 10th and staff is now working on a comment letter.
- Remainder of comments from Fluvanna County, DEQ and VDH are expected early November.
- Currently working on revisions to all three plan sets in preparation for 100% plan submittal.
- Letter response to correct the record of Mr. Labbude's site visits of 11 and 12 October prepared by Timmons group for use by the JRWA.
- Continued refinements of FCC's BASELINE Construction Schedule

Major activities and objectives for the next reporting period include the following:

- Approval from Fluvanna County and DEQ for Site Plan and ES&C submittals
- Approval of submittals to VDH
- Continue coordination with the USACE/VDHR and Indian Tribes as appropriate
- Conducting the next "Partnering Session" to refine a plan for "The Way Ahead"; scheduled for November 16, 2017.

The question of when will we be in the actual construction phase remains unknown, but we are getting closer to the target. There are a number of actions remaining that must be completed before we move into the Construction Phase of this project. These actions include, but are not necessarily limited to: 1) completion of the Cultural Resources field work; 2) filing the field survey report with the VDHE and USACE; 3) completion of the agreement(s) with the Indian Tribes; and 4) issuance of the Construction Permit from the USACE. While we are closer to the start point, "Best Guess" scenario is a Construction Start sometime this coming Spring of 2018.



CONTRACT STATUS (Still in Pre-Construction Phase)

<u>COMPLETION DATE STATUS</u> (As of 10/30/2017)		<u>CONTRACT AMOUNT STATUS</u> (As of Application for Payment No. 8, dated 10/27/2017)	
Type of Contract:	Design/Build	Original Contract Amount:	\$7,938,731.00
Contract Execution Date(NTP):	01/03/2017	Total No/Amt Change Orders:	3/\$26,760.00
Original Completion Date:	TBD	Total Contract Amount:	\$7,965,491.00
Original Contract Duration:	TBD	Total Value of Work to Date:	\$421,780.00
Approved Time Extensions:	TBD	Retainage Held to Date:	\$21,088.00
Current Completion Date:	TBD	Value Less Retainage:	\$400,672.00
Current Contract Duration:	TBD	Balance to Finish:	\$7,543,711.00
Contract Time Used to Date:	TBD	Actual % Constr. Complete:	0.0%
Contract Time Remaining:	TBD		
% Contract Time Elapsed:	TBD		

BUDGET

Value Engineering Activities are completed and noted by FCC and TG. Once the Baseline Schedule and the Schedule of Values have been submitted, a Time versus Expenditures graph will be inserted with Scheduled and Actual Budget Expenditures plotted for comparison.

The previously submitted potential budget increase estimates due to delays in construction start date provided on July 14,2017 by FCC in their Communication of Cost Increases reflects potential cost creep, across all elements of work, between \$759,667 (9.5%) and \$976,848 (12.3%). These costs are significant, and could become even more significant as FCC reports that the construction market in Central Virginia is currently observing continued market price creep. This item of interest needs to be fully adjudicated before we can initiate our final monthly BUDGET and CPM progress monitoring. This item will most likely be a key topic of discussion at the upcoming Partnering Session of November 16, 2017.

To date a total of \$400,672.00(5 %) of total currently approved budget of \$7,965,461.00 has been disbursed during the Pre-Construction Phase. A total of \$21,088.00 in Retainage is also obligated against total project budget; leaving a total of \$7,564,819.00 currently available in the construction budget.

CPM SCHEDULE MONTHLY PROGRESS REPORT

A time versus percent complete graphic, with Scheduled and Actual Construction Progress plotted for comparison, will be inserted in this section once Baseline Schedule has been submitted and approved by the JRWA, and actual construction effort start date is determined. Since Construction Start is yet to be determined, no formal Baseline Schedule has been submitted by FCC for final JRWA approval. Our “Best Guess” on Construction Start Date is in the Spring of 2018.

CONSTRUCTION NARRATIVE REPORT

Our narrative remains the same. While FCC has continued to develop a probable baseline schedule and has reviewed with the JRWA, until actual start date is determined the weather considerations and external milestones cannot be loaded into the time lines. Once a definitive start date is established, the schedule will be updated and a formal BASELINE construction logic network and schedule will be submitted by FCC for review and approval.

The FCC and their subs continue to refine plans to mitigate cost creep due to unexpected long-term delays to actual construction start. This effort involves developing multiple contingency plans and ordering materials that can be safely stored. The FCC submitted their Preliminary Cost Creep Mitigation notice on July 12, 2017, and it was discussed as part of the Owner’s Meeting Agenda on July 18, 2017. The project Team continues to assess the impacts of these probable increased costs.

CURRENT CONSTRUCTION ACTIVITY

Except for the Cultural Resources activities, there has been no on-site construction activity up to this time.

SITE

Civil:

- Access/egress site survey conducted September 6, 2017

Utilities (Private Services):

- No activity

Erosion & Sedimentation:

- Awaiting approvals of submittals to Fluvanna, DEQ, and VDOT

BUILDING

Building Area (Subcontractors):

- No activity

PROPERTY ACQUISITION

All property Acquisitions and access agreements were completed in May 2017.

DESIGN PROGRESS

Design In Progress:

- 100% CDS; all divisions awaiting final Cultural Resource Survey results. No major impacts are expected at this time.

Issues for Resolution:

- No significant outstanding design issues are known.

November 2017 FORECAST

- Our hope is that the Cultural resources site survey work will be substantially complete by the end of November. We may want to initiate the requisite actions to complete the Threatened and Endangered Species Field Study and Wetlands Permit issuance.

SITE:

- No Activity beyond Cultural Resources Survey work and potential follow-up on route access/egress planning solutions.

BUILDING:

- No Activity

DESIGN:

- Timmons Group hoping to update 100% CDs IAW Cultural Resources Survey Results

ACTION ITEMS

NEW:

- Continued regular scheduled meetings between USACE/VDHR, Indian Tribes, and County Principals.

PENDING:

- USACE/VDHR and Indian Nations MOA
- Threatened and Endangered Species Field Study
- Resolving “Cost Creep” impacts
- Refining a plan for our “Way Ahead” during the 16NOV17 Partnering Session

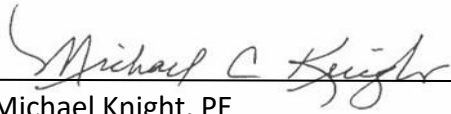
RESOLVED:

- Submission of E&S and Site Plans (Waiting final comments/approvals)

PROGRESS PHOTOGRAPHS

NO PHOTOS FOR THIS MONTH'S REPORT

Please submit any comments on content of this r

Signed: 

Michael Knight, PE
Construction Manager, MBP

mknight@mbpce.com

804-330-4875 Office

404-981-5437 Cell

HEFTY WILEY & GORE, P.C.

100 West Franklin Street, Suite 300 • Richmond, VA 23220

BILL TO

James River Water Authority
ATTN: Steven M. Nichols
P.O. Box 540
132 Main Street
Palmyra, VA 22963

INVOICE # 8931

DATE 10/25/2017

ACTIVITY	QTY	RATE	AMOUNT
Agreed monthly fee for serving as legal counsel to JRWA board for October, November, and December 2017	3	2,500.00	7,500.00

BALANCE DUE

\$7,500.00

James River Water Authority – Comprehensive Agreement

Timmons Group Efforts to Date 10/31/17; Invoice #8

Item # Description

1 Project 1: Plan Set A; Intake Structure

- Pending results of Cultural Resources Study
- Plans submitted to Fluvanna County and DEQ for Site Plan and ES&C Approval
- Plans submittal to VDH for review
- Received ES&C comments from County; waiting on remainder of comments from County, DEQ and VDH

2 Project 1: Plan Set B; Pump Station

- Pending results of Cultural Resources Study
- Plans submitted to Fluvanna County and DEQ for Site Plan and ES&C Approval
- Plans submittal to VDH for review
- Received ES&C comments from County; waiting on remainder of comments from County, DEQ and VDH

3 Project 1: Plan Set C; 24" Waterline

- Pending results of Cultural Resources Study
- Plans submitted to Fluvanna County and DEQ for Site Plan and ES&C Approval
- Plans submittal to VDH for review
- Received ES&C comments from County; waiting on remainder of comments from County, DEQ and VDH

4 Redesign & Additional Due Diligence

- Geotechnical Investigation - COMPLETE
- Topographic, Boundary and Subdivision Survey - COMPLETE
- Environmental/Wetland Delineation - COMPLETE
- Intake Permit Relocation Services – COMPLETE
 - VWP Permit Issued
 - VMRC Permit Issued
 - COE Permit will be issued upon completion of Cultural Resources Study
- Design Services – COMPLETE
- Note: Cultural Resources Study (VDHR) is outside the scope of this item.

Tasks Moved Over From Interim Agreement

5 Threatened and Endangered Species Field Study

- Needs to occur no sooner than six months prior to the start of construction

6 Railroad Crossing Permit; Prepare and Manage Permit Application

- COMPLETE

Comments:

- Fluvanna County Planning Commission voted to approve the project on October 10th and staff is now working on a comment letter.
- Remainder of comments from Fluvanna County, DEQ and VDH are expected early November.
- Currently working on revisions to all three plan sets in preparation for 100% plan submittal.

APPLICATION AND CERTIFICATE FOR PAYMENT

TO OWNER:
James River Water Authority

PROJECT:
James River Water Project PPEA

APPLICATION #: 8
PERIOD TO: 10/31/17
PROJECT NOS: 9161

Distribution to:

<input checked="" type="checkbox"/>	Owner
<input type="checkbox"/>	Const. Mgr
<input type="checkbox"/>	Architect
<input type="checkbox"/>	Contractor

FROM CONTRACTOR:
Faulconer Construction Company, Inc.
2496 Old Ivy Rd
Charlottesville, VA 22903

VIA Engineer:
N/A

CONTRACT DATE: 01/03/17

CONTRACT FOR:

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract.
Continuation Sheet is attached.

1. ORIGINAL CONTRACT SUM -----	\$	<u>7,938,731.00</u>
2. Net change by Change Orders -----	\$	<u>26,760.00</u>
3. CONTRACT SUM TO DATE (Line 1 +/- 2)	\$	<u>7,965,491.00</u>
4. TOTAL COMPLETED & STORED TO DATE-\$ (Column G on Continuation Sheet)		<u>421,760.00</u>
5. RETAINAGE:		
a. 5.0% of Completed Work (Columns D+E on Continuation Sheet)	\$	<u>21,088.00</u>
b. 5.0% of Stored Material (Column F on Continuation Sheet)	\$	<u> </u>
Total Retainage (Line 5a + 5b or Total in Column 1 of Continuation Sheet)-----	\$	<u>21,088.00</u>
6. TOTAL EARNED LESS RETAINAGE ----- (Line 4 less Line 5 Total)	\$	<u>400,672.00</u>
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)-----		
	\$	<u>374,452.00</u>
8. CURRENT PAYMENT DUE -----	\$	<u>26,220.00</u>
9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6)	\$	<u>7,564,819.00</u>

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown therein is now due.

The undersigned Contractor further certifies to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment, and subsequent Requisition to the Virginia Resources Authority, includes payments for labor or to contractors, builders or materialmen, and that such work was actually performed or such materials, supplies or equipment were actually furnished or installed in or about the Project.

CONTRACTOR (Faulconer Construction Representative):

By:  Date: 10/22/17

OWNER (JRWA/Fluvanna County Representative):

By: _____ Date: _____

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	\$26,760.00	
Total approved this Month		
TOTALS	\$26,760.00	
NET CHANGES by Change Order	\$26,760.00	

CONTINUATION SHEET

ATTACHMENT TO PAY APPLICATION

APPLICATION NUMBER: 8

PROJECT:

APPLICATION DATE: 10/27/31

James River Water Project PPEA

PERIOD TO: 31-Oct-17

ARCHITECT'S PROJECT NO: 9161

A Item No.	B Description of Work	C Scheduled Value	D Work Completed		F Materials Presently Stored (Not in D or E)	G		H Balance To Finish (C - G)	I Retainage
			From Previous Application (D + E)	This Period		Total Completed And Stored To Date (D + E + F)	% (G/C)		
1	Pre- Construction								
2	Engineering	\$ 281,824	\$ 172,500	\$ 27,600		\$ -	71%	\$ -	\$ -
3	Redesign & Additional Due Diligence	\$ 207,500	\$ 207,500			\$ 200,100		\$ 81,724	\$ 10,005
4	General Conditions	\$ 336,345				\$ 207,500	100%	\$ -	\$ 10,375
5	Mobilization	\$ 500,000				\$ -		\$ 336,345	\$ -
6	Site Access	\$ 153,620				\$ -		\$ 500,000	\$ -
7	Raw Water Intake Structure					\$ -		\$ 153,620	\$ -
8	Coffer Dam	\$ 274,861				\$ -		\$ -	\$ -
9	Intake Structure	\$ 721,811				\$ -		\$ 274,861	\$ -
10	Exc/ BF for Intake Pipe and Wetwell	\$ 349,950				\$ -		\$ 721,811	\$ -
11	Intake Pipe	\$ 132,895				\$ -		\$ 349,950	\$ -
12	24" Raw Water Main					\$ -		\$ 132,895	\$ -
13	24" RWL	\$ 844,001				\$ -		\$ -	\$ -
14	Gas Line Crossing	\$ 101,613				\$ -		\$ 844,001	\$ -
15	Rivanna Crossing	\$ 789,975				\$ -		\$ 101,613	\$ -
16	Railroad Bore	\$ 297,572				\$ -		\$ 789,975	\$ -
17	Rte. 6 Bore	\$ 53,181				\$ -		\$ 297,572	\$ -
18	ARV's/ BOV's/ Hydrants	\$ 55,272				\$ -		\$ 53,181	\$ -
19	Cathodic Protection	\$ 100,395				\$ -		\$ 55,272	\$ -
20	Raw Water Pump Station					\$ -		\$ 100,395	\$ -
21	Site Work	\$ 95,320				\$ -		\$ -	\$ -
22	Concrete	\$ 808,158				\$ -		\$ 95,320	\$ -
23	Masonry	\$ 169,868				\$ -		\$ 808,158	\$ -
24	Metals	\$ 162,661				\$ -		\$ 169,868	\$ -
25	Carpentry	\$ 2,059				\$ -		\$ 162,661	\$ -
		\$ 6,438,881	\$ 380,000	\$ 27,600	\$ -	\$ 407,600	\$ 0	\$ 2,059	\$ 20,380

CONTINUATION SHEET

ATTACHMENT TO PAY APPLICATION

APPLICATION NUMBER: 8

PROJECT:
James River Water Project PPEA

APPLICATION DATE: 10/27/31

PERIOD TO: 31-Oct-17

ARCHITECT'S PROJECT NO: 9161

A Item No.	B Description of Work	C Scheduled Value	D Work Completed		F Materials Presently Stored (Not in D or E)	G		H Balance To Finish (C - G)	I Retainage
			From Previous Application (D + E)	This Period		Total Completed And Stored To Date (D + E + F)	% (G/C)		
26	Roofing/ Ins	\$ 79,272				\$ -		\$ 79,272	\$ -
27	Doors and Windows	\$ 30,885				\$ -		\$ 30,885	\$ -
28	Finishes	\$ 33,974				\$ -		\$ 33,974	\$ -
29	Fire/ Skylights	\$ 20,590				\$ -		\$ 20,590	\$ -
30	Equipment	\$ 427,126				\$ -		\$ 427,126	\$ -
31	Mechanical	\$ 237,227				\$ -		\$ 237,227	\$ -
32	Electrical	\$ 539,920				\$ -		\$ 539,920	\$ -
33	Controls	\$ 72,065				\$ -		\$ 72,065	\$ -
34	QC Testing and Inspection	\$ 58,791				\$ -		\$ 58,791	\$ -
35						\$ -		\$ -	\$ -
36						\$ -		\$ -	\$ -
37						\$ -		\$ -	\$ -
38						\$ -		\$ -	\$ -
39						\$ -		\$ -	\$ -
40						\$ -		\$ -	\$ -
41						\$ -		\$ -	\$ -
42						\$ -		\$ -	\$ -
43						\$ -		\$ -	\$ -
44						\$ -		\$ -	\$ -
45						\$ -		\$ -	\$ -
46						\$ -		\$ -	\$ -
47						\$ -		\$ -	\$ -
48						\$ -		\$ -	\$ -
49						\$ -		\$ -	\$ -
50						\$ -		\$ -	\$ -
ORIGINAL CONTRACT TOTAL		\$ 7,938,731	\$ 380,000	\$ 27,600	\$ -	\$ 407,600	5%	\$ 7,531,131	\$ 20,380

CONTINUATION SHEET

ATTACHMENT TO PAY APPLICATION

APPLICATION NUMBER: 8

PROJECT:
James River Water Project PPEA

APPLICATION DATE: 10/27/31

PERIOD TO: 31-Oct-17

ARCHITECT'S PROJECT NO: 9161

A Item No.	B Description of Work	C Scheduled Value	D Work Completed		F Materials Presently Stored (Not In D or E)	G		H Balance To Finish (C - G)	I Retainage
			From Previous Application (D + E)	This Period		Total Completed And Stored To Date (D + E + F)	% (G/C)		
51	Change Orders								
52	CO 1 - Threatened & Endangered (Mussel Survey)	\$ 12,600				\$ -		\$ 12,600	\$ -
53	CO 2 - RR Xing Permit; Prepare & Manage Permit Application	\$ 10,500	\$ 10,500			\$ 10,500	100%	\$ -	\$ 525
54	CO 3 - CSX RR Application Review Fee	\$ 3,660	\$ 3,660			\$ 3,660	100%	\$ -	\$ 183
55						\$ -		\$ -	\$ -
56						\$ -		\$ -	\$ -
57						\$ -		\$ -	\$ -
58						\$ -		\$ -	\$ -
59						\$ -		\$ -	\$ -
60						\$ -		\$ -	\$ -
61						\$ -		\$ -	\$ -
62						\$ -		\$ -	\$ -
63						\$ -		\$ -	\$ -
64						\$ -		\$ -	\$ -
65						\$ -		\$ -	\$ -
66						\$ -		\$ -	\$ -
67						\$ -		\$ -	\$ -
68						\$ -		\$ -	\$ -
69						\$ -		\$ -	\$ -
70						\$ -		\$ -	\$ -
CHANGE ORDER TOTAL (PAGE 4)		\$ 26,760	\$ 14,160	\$ -	\$ -	\$ 14,160	53%	\$ 12,600	\$ 708
APPLICATION TOTALS		\$ 7,965,491	\$ 394,160	\$ 27,600	\$ -	\$ 421,760	5%	\$ 7,543,731	\$ 21,088