

AGENDA

MONTHLY MEETING OF THE BOARD OF DIRECTORS OF THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF CHATTANOOGA, TENNESSEE

Monday, May 4, 2026 @ 11:00 AM

1. Call meeting to order.
2. Confirmation of Meeting Advertisement and Quorum Present.
3. Minutes approval for the April 20, 2026, monthly meeting.
4. Recognition of any person wishing to address the Board.
5. Quarterly Updates of e2i2 SSO Abatement Program and MBEC Class A Power Project (Progressive Power Design Build).
6. A resolution approving Change Order No. 1 with Archer Western Construction, LLC, of Atlanta, GA, for Contract No. W-20-027-101, MBEC Class A Power Project, to increase the project by \$1,178,322.38 due to additional design and early work efforts, for a revised contract amount of \$14,568,322.38.
7. A resolution authorizing the award of a Small Business Incentive Grant to APHB Outfitters, LLC d/b/a Mountain Outfitters, in the amount of \$10,000.00. **SBI-(35)**
8. Presentation by The Bend Project by Urban Story Ventures Development Team.
9. **Other Business – Discussion Items**
10. Adjournment.



**INDUSTRIAL DEVELOPMENT BOARD
SPECIAL MONTHLY MEETING MINUTES**

John P. Franklin Sr. City Council Building

Assembly Room

Chattanooga, Tennessee

for

Monday, April 20, 2026

11:00 AM

Present were Althea Jones (Chair), Gordon Parker (Vice-Chair), Jim Floyd (Secretary), Nadia Kain (Assistant Secretary), Marcus Cade-Johnson, and David Hudson. Absent were Jimmy F. Rodgers, Jr., Melody Shekari, and Brent Goldberg.

Also Present were: Attorney for the Board, Phillip A. Noblett; Janice Gooden; Emmalyn Porter (SETDD); Weston Porter, Matt Dale, and Eleanor Liu (Finance); David Neuhoff (CBL); Helen Burns-Sharp (ATM); Charita Allen, Winston Brooks, and Kim Narramore (Economic Development); Hiren DeSai (Kalabo Paper Products); and Matt Phillips (Rise Partners).



Chairwoman Althea Jones confirmed that a quorum was present to conduct business, and the meeting was properly advertised.



MONTHLY MEETING OF MARCH 2, 2026 – MINUTES APPROVAL

On motion of Ms. Kain, seconded by Mr. Floyd, the minutes of the March 2, 2026, monthly meeting were approved as submitted.



PUBLIC COMMENTS

HELEN BURNS-SHARP, Founder Accountability for Taxpayer Money (ATM)

Ms. Sharp had a couple of requests for the Staff and the Applicant when it gets to these on the agenda. Ms. Sharp always felt the North River Access Road TIF was probably the most normal of all of the TIFs. A couple of times it has come back and rarely do TIFs, once they are approved, come back, and sure there are good reasons. Ms. Sharp would like the Staff or the Applicant to explain what this is about, and a reminder that they have come back before for things that they could mention those too.

With regard to the Northgate Mall TIF, Ms. Sharp noticed the boundary for the sales tax collection that it could have been the entire boundary of the TIF, but instead, it is basically B.J.'s and restaurants along 153 places where today the sales taxes have been collected. What was the thinking over the 20-year period this is in effect that some of the vacant properties there, when it redevelops into a town center, might become businesses that would generate sales taxes? Ms. Sharp wanted to know if someone could address why the decision to restrict it to that particular portion of the TIF boundary.

VOLKSWAGEN FINANCE REPORTS

Ms. Eleanor Liu said the first report presented is the VW Progress Report. Since the last presentation, there is no change. The percentage spent, encumbered, and contingency were at 99.0%. Overall, there are still two MOUs that will have residual amount not spent.

The second MOU went over \$215,429 not yet spent. The third MOU has \$5 million that has not been spent. With regard to the Economic Development Program Summary, the cash amount spent is about \$4.07 million. These are for the second program.

The next report TIF Summary is exactly as presented at the last meeting. We only receive the TIF payments once a year generally around this month and at the time of this report, we have not received any payments. In the July presentation, Ms. Liu will be able to present the TIF payment received this year.

The last report is the Wastewater Program Summary. Since inception until now, we have spent over \$100 million and every single penny of that we received reimbursement from the City. Cash amount is zero.

RESOLUTION

North River Access Road TIF

On motion of Mr. Parker, seconded by Mr. Hudson,

A RESOLUTION ENGAGING STIFEL, NICOLAUS & COMPANY, INCORPORATED, AS UNDERWRITERS FOR A PROPOSED TAX INCREMENT FINANCING (TIF) RELATING TO THE NORTH RIVER COMMERCE CENTER INDUSTRIAL PARK AND THE NORTH ACCESS ROAD ECONOMIC DEVELOPMENT AREA.

Ms. Charita Allen is bringing this item as it relates to the Tax Increment Financing that is going into the project and the need for the developer to secure a bond firm to assist with the Tax Increment Financing. There is a letter in the packet that is from legal counsel that represents our TIF Projects. The letter is attached to these minutes herein referenced as **Exhibit "A"**.

This is a project that came to us for an amendment to their existing Economic Impact Plan that was approved recently. It was related to the fact that when the project first came to this board, the City, and the County, it was for the development of four (4) Class-A industrial buildings. Two of those have been built. Because the original plan mandated that they could only be that type of development, at some point, the developer was getting inquiries from other projects and not able to facilitate building those projects because there were restrictions on the type of development. They came back to the authorizing bodies and basically said can we change the use type on this particular TIF. We said yes, we put some limitations around it, there are some things that they are not able to build. Ms. Allen does not recall those off the top of her head, but we did amend that and so as a result of the many other uses, we are now looking at the financing that is behind it and restructuring the financing.

Ms. Allen read into the record the memo from our legal counsel who represents all of our TIFs from Bass Berry & Sims Attorney Mark Mamantov dated April 14th regarding the engagement of Stifel, Nicolaus & Company, Incorporated as underwriter for Access Road TIF Financing. See attached memo attached to these minutes herein referenced as **Exhibit "A"**. Ms. Nadia Kain asked if this was done before where we asked to refinance TIF notes with past experiences. Attorney Noblett said this is a first. Generally, that bond board is involved on the front end with financing advice.

Mr. David Hudson asked if the Board is hiring Stifel. Ms. Allen said the Board is actually approving the engagement letter for the developer to hire. The responsibility remains with the developer but because we have public monies, we have the role in approving the selection of the particular bond agent. Attorney Noblett said that is required in this case because the Stifel group as underwriter will make sure the bonds are dealt with correctly. Ms. Kain clarified that the underwriter will be paying when the closing occurs and the developer is who will be paying those closing fees.

The motion carried.

RESOLUTION

Northgate Mall TIF

On motion of Mr. Hudson, seconded by Ms. Kain,

A RESOLUTION APPROVING AN INTERGOVERNMENTAL FINANCIAL ASSISTANCE AGREEMENT BETWEEN THE CITY OF CHATTANOOGA, TENNESSEE, AND THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF CHATTANOOGA RELATING TO THE NORTHGATE MALL REDEVELOPMENT PROJECT.

Ms. Allen said that this is an item that is related to the Intergovernmental Financial Assistance Agreement that is the plan between the City of Chattanooga and the Development Board recognizing that any sales tax generated from a particular identified area would come to the Development Board into an account and would be used for reimbursement of the infrastructure.

During the process of approving the TIF, this was an agreement that should have come to this Board that we overlooked and did not bring to this Board. Ms. Allen read the memo into the record from attorney Mark Mamantov of Bass Berry & Sims dated April 14, 2026, for the approval of the Intergovernmental Financial Agreement for the Northgate Mall Redevelopment which is attached to these minutes referenced as **Exhibit “B”**.

Ms. Allen responded to Ms. Helen Burns-Sharp’s question related to the sales tax area. The entire TIF district was identified. A portion of that TIF district will be demolished and redeveloped as the main sewer line and all underground infrastructure. We chose not to try and capture sales tax from that because that sales tax would not be predictable. You would have certain projects that would be coming on-line, certain coming off-line, to be determined when those would happen based on the phases of the construction.

What was predictable, which what is called the crescent area as below the main area for redevelopment, which is fully constructed, already on-line, already tapped into sewerage and those they chose again to identify the sales tax area and limited just to that. If the entire site, there would have been more sales tax actually going into the project, and we determined that based on the amount of the development that was necessary it proved roughly \$8.7 million as Ms. Allen recalls for that particular project and we reverse engineered sort of let’s capture the crescent area and not the entire site. That is why it is a limited area and not the full scope of the entire site. Under Exhibit “A” of the map is the sales tax. That is on-line and will continue to be on-line.

Mr. Gordon Parker asked if the Agreement was made after the City Council had passed the original approval? Ms. Allen said no, great question, they were approved at the same time. Everything went through the City at the same time. This piece was left off of the IDB side. It did not carry forward with the original agreement. Ms. Kain asked if they have a number or is that still just being formulated for what the assistance agreement is limited to or encompassed? Ms. Allen said there is a limit to the amount of the sales tax captured. For the assistance agreement, since the City Council approved, is there any kind of caps or limits?

Ms. Allen said great question. One of the things we did do with this TIF, we identified both the property tax and set with the TIF a baseline and what that says is that these taxes are already being collected and they will continue to be collected and the incremental, there is a portion that you take the debt service, there is a portion that you take schools, and then there is a portion that we maintain, and that remaining portion is what goes towards the project and infrastructure. We did the same thing with the sales tax. What we said was there is a baseline sales tax already being collected which we have identified and we are going to maintain that as we move forward with the TIF. There is a baseline of sales tax we are now capturing, and this would be the incremental everything that is over and above that would be captured and would be used towards repayment of the infrastructure. Keeping in mind that the crescent area that you will see, those businesses will benefit from the upgrade of this particular infrastructure so the first upgrades that you will see with the infrastructure are related to solidifying the foundation of that crescent.

Mr. Parker asked if the City has stepped into this before? Are they all of sudden now concerned that this redevelopment is not going to generate enough incremental revenue to cover the TIF. Why is the City having to step in and augment this? With the local sales tax. Ms. Allen said what essentially happened is on the property taxes because the property tax increment was not sufficient to cover the \$8.7 million in infrastructure, there had to be another funding source and sales tax was what was available. That is how we have done it. We also have for instance done two other TIFs, we have local sales tax will go into those other TIFs. We have one where state tax will.

Mr. Hudson asked if this is temporary or permanent in place this way. The TIF is in place for the duration of the TIF agreement for the project and then it goes away and then all the increment comes back to the City. This sales tax district will remain with the TIF all the way through? Yes, it will remain with the TIF until such time that the increment has been paid for and then all the funds will come back to the City.

Attorney Noblett said there is a reference to 240 months as the term. Mr. Parker's concern is that the development is not going to cover the TIF without the local sales tax option. Ms. Allen said that is correct and you have an asset that is declining so essentially if the mall were performing at its highest and best, we would not need to use the sales tax piece but because we have a declining asset, the property taxes have been steadily going down on the mall and that is why we are capturing that delta from the sales tax.

Mr. Hudson said as the mall is developed, that will go towards the TIF. Ms. Allen said that as the mall is redeveloped and the property taxes start going up because you have a new development in it, less of the sales tax will need to be used because you will have no other property tax coming up. But in order to put the TIF in place, you have to show the state that there are adequate revenues to reimburse for the cost of the infrastructure, and those revenues are split between two different sources right now – property tax and sales tax.

Ms. Jones said there were other examples of this. We have other TIFs that we have approved that are using sales tax to supplement property tax infrastructure. Mr. Parker asked which ones. The stadium is using sales tax and property tax, and The Bend is also proposed to use sales tax and property tax.

Ms. Kain said it is essentially this document that was in our packet when we initially approved it, it is just verifying that is the process that we are going forward with. Ms. Allen will ask legal counsel to correct her if she is wrong. The way she sees it from staff is that City Council is saying to the IDB, we have an agreement, we are sending sales tax to you, it goes into an account, and that is used for reimbursement for infrastructure on this particular project. It prevents the IDB from using the sales tax increment that comes into this fund from using it for anything other than reimbursement on this particular infrastructure project. This resolution just authorizes the Chair to be able to sign this document on behalf of the Board, but it also requires the Mayor to sign this document as well on behalf of the City.

The motion carried.

ADOPTED

RESOLUTION

On motion of Mr. Parker, seconded by Mr. Johnson,

A RESOLUTION AUTHORIZING AN AWARD OF A SMALL BUSINESS INCENTIVE GRANT TO KALABO INVESTMENTS, LLC D/B/A KALABO PAPER PRODUCTS, IN THE AMOUNT OF NINE THOUSAND ONE HUNDRED SEVENTY-FOUR DOLLARS (\$9,174.00). SBI-(34)

Mr. Winston Brooks spoke about this Small Business Incentive Grant for Kalabo Paper Products. There is a staff report which explains the Growing Small Business Incentive which has been in existence as part of this board for several years. This is the first time we have brought one forward in his two years, so he is excited to do that. See attached Staff Report attached herein by reference to these minutes as **Exhibit “C”**.

Mr. Hiren Desai spoke about Kalabo Paper Products. They started production in about March 2025. The way it came about is that Kalabo is a town where he is from and his wife came up with the idea of doing paper products which his family has examined. When he came back, up to a point, he created Kalabo and with it got someone he had known that was living paycheck to

paycheck. They created a plant in Chattanooga and fast forward a year in production they have six to seven employees as of today. The operator could not make it today because his child was sick but husband and wife living paycheck to paycheck, wife worked night shift, originally got her back working in the office at Kalabo so they could have dinner with the young kids in the evening, and they have created a small business start-up minority-owned, woman-owned business. As of today, we are supporting our own business in hospitality which products include toilet tissue, kitchen towels, restaurant, bar, and lunch napkins, with the potential to expand. One strategy they are trying to do is if we can get a janitorial supply, we feel this will take off and approach to about 20 employees. Selfishly, they live in Chattanooga. It is halfway between his home and office, but he would have been better off moving to north Georgia with the incentives that they give compared to Chattanooga, Tennessee. This is an extra incentive for how in the future you could help more jobs coming to Chattanooga.

In north Georgia we have better tax incentives, employee credits, and incentives for equipment. Ms. Kain noted that you are expecting to add 15 or more employees and currently have five to seven. This is a municipal grant set up through the IDB and was started several years ago. Right now, it is a \$2.5 million investment. It could be an additional \$2.5 million other investment with 20 employees plus. The lease space is for three years right now. He anticipates that they will continue on, but it is off of Shallowford Road on Polymer Drive. Pictures were shown in the presentation. If they expand, they can go into any type of paper products.

They are competitive with the major suppliers and manufacturers in the country. Between Cleveland and Dalton, they are delivering toilet paper. It is growing slow and steady. That is not what they intended but what they become. If we can get a janitorial supply, that would be really good to grow this business. The goal is that these funds will be used to market. The equipment took nine months to set up. They just started production in March and will stay in Chattanooga. Mr. Parker commended Mr. Desai for starting the business here.

The motion carried.

ADOPTED

**DISCUSSION CONTINUATION OF STIFEL, NICOLAUS & COMPANY
ENGAGEMENT RESOLUTION – NORTH RIVER COMMERCE CENTER**

Ms. Jones said they need to go back to the Stifel, Nicolaus & Company resolution for the North River Access Road TIF. We need to make a correction to the letter. The developer Matt Phillips is here, and Ms. Allen misspoke about relationship between the bond underwriter, IDB, and the developer. Mr. Phillips is going to clarify that.

Mr. Matt Phillips with Rise Partners spoke. The way these TIF structures work, at least theirs, they are actually the lender where they cover the public infrastructure costs. There is a series of notes in the TIF documents where the IDB is the Issuer or the Note Holder. It reflects the \$8.75 million certified public infrastructure costs that we spent as we discussed in prior meetings. The difference here now is that there is a revenue stream which will monetize those notes. Stifel, Nicolaus will go out to public market and issue a bond that refinances those notes so

that where it replaces the Note Holder, the Note Holder there will be a series of bond buyers. The cost of the issuance in the question earlier is actually paid from the par amount of the bonds down out of the issuance of the total amount.

The one thing important to clarify is the reason why we are here is because the IDB is the actual Issuer whether it is our TIF or someone else's. We cannot be the bond issuer for public dollars. That is what this body would do. The IDB is the Issuer and would have to engage with Stifel. They have had a tremendous amount of success with Stifel in this space over the years in other markets. It is very typical for the IDB to engage an underwriter whether it is this IDB or another similar entity. It is really important because one thing that was misstated in the prior presentation it sounded like they were going to be the ones to engage and the IDB needs to know about it. The IDB signs the document. Mr. Mamantov's memo speaks to that but wants to make sure that is super clear. It is correct in the document.

Attorney Noblett said the Chair will sign the document. It is also limited in what recovery the folks will actually be able to get from Stifel as well. The resolution says the appointment of Stifel on the engagement letter does not create a contract between the Board and Stifel except for the terms explicitly provided therein. The Board shall only be required to pay any compensation pursuant to the terms of the Bond Purchase Agreement that occurs. The document itself is limiting any compensation that Stifel gets in connection with this matter to 2.5% of that bond deal.

Mr. Phillips said that based on their last conversation with Mark Mamantov what the process would be is that they will go out and market this revenue stream, refinance as much as the note or notes, there are multiple notes that exist, and then prior to that transaction closing, we have to come back to this board to approve the final package. This is just engaging Stifel to start the process.

Ms. Kain said that clarifies her questions about who would be responsible for compensation and at 2.5% is the number we are looking at now and that answers our question too. We are going to be able to approve these bonds before they are issued. In the original TIF documents dated back to when we first did this project and came before this body, it was envisioned that there would be a par amount of bond issuance and that there was a net that could not exceed the amount of public infrastructure \$8.754 million. The difference between par and net is the cost issuance. It could be anything from a debt service reserve cost, or it could be a fee to pay towards Stifel and comes out of their side of the ledger and not the Board's.

OTHER BUSINESS/DISCUSSION ITEMS

There was no other business/discussion items.

There being no further business or discussion items, the meeting adjourned at 11:45 AM.

JIM FLOYD, Secretary

APPROVED:

ALTHEA R. JONES, Chair

BASS BERRY + SIMS_{PC}

1700 Riverview Tower
900 S. Gay Street
Knoxville, TN 37902
(865) 521-6200

M E M O R A N D U M

TO: Charita Allen
Winston Brooks
Phil Noblett

FROM: Mark Mamantov

DATE: April 14, 2026

RE: Engagement of Stifel, Nicolaus & Company, Incorporated as underwriter for Access Road Tax Increment Financing

The Industrial Development Board has previously approved a tax increment financing with respect to the North River Commerce Center Industrial Park in connection with the redevelopment of the North Access Road area. Because that financing was not marketable until a significant portion of the buildings in the industrial park had been completed and a predictable amount of tax increment revenues was available, the developer for the project purchased the financing on an interim basis. Now that a significant portion of the development has been completed and a predictable tax increment revenue stream exists, the developer has requested the Industrial Development Board to refinance a portion of the tax increment financing through the sale of tax increment notes to investors unrelated to the developer. This refinancing will provide a long-term fixed rate for the portion of the debt that is refinanced. The developer has requested the Industrial Development Board to approve the engagement of Stifel, Nicolaus & Company, Incorporated, as the underwriter for this refinancing. Stifel is one of the most experienced underwriting firms in the country for this type of financing. In order to comply with certain federal securities laws, Stifel has requested the Board to sign an engagement letter, the approval of which is on the Industrial Development Board's agenda. The engagement letter is preliminary and nonbinding, and any compensation payable to the underwriter would only be payable if closing occurs. However, the execution of this engagement letter would allow the underwriter to work with City staff and the developer to prepare the necessary documents for the financing and present the financing to the Industrial Development Board for consideration.

49901897.1



BASS BERRY + SIMS PC

1700 Riverview Tower
900 S. Gay Street
Knoxville, TN 37902
(865) 521-6200

M E M O R A N D U M

TO: Charita Allen
Winston Brooks
Phil Noblett

FROM: Mark Mamantov

DATE: April 14, 2026

RE: Approval of Intergovernmental Financial Assistance Agreement for Northgate Mall
Redevelopment

At the last meeting of the Industrial Development Board, the Board approved a development agreement relating to the Northgate Mall redevelopment. Pursuant to that agreement, certain incremental property tax revenues were made available to the developer as an incentive to undertake a redevelopment project. Because the incremental property tax revenues were fairly limited, the City Council agreed to supplement those revenues with a pledge of certain local option sales tax revenues of the City to be derived from the area being redeveloped. To do so, the City Council approved an Intergovernmental Financial Assistance Agreement under which the City agrees to contribute a certain amount of local option sales tax revenues to the Board to supplement the incremental property tax revenues. When the Development Agreement was approved, which was everyone's primary focus, we failed to request the Board to also approve acceptance of the Intergovernmental Financial Assistance Agreement. A proposed agenda item for Board's meeting on April 20th is approval of this Agreement. This Agreement does not commit the Board to undertake any additional commitments to the developer. It just acknowledges that the local option sales tax revenues will be received by the Board and applied as is provided in the Development Agreement.

49902094.1



Date: April 20, 2026

TO: Industrial Development Board of Chattanooga Appointed Members

FROM: Winston Brooks, Director of Economic Development and Entrepreneurship

SUBJECT: Favorable Recommendation for Growing Small Business Initiative (GSBI) Grant: Kalabo Investments, LLC d/b/a Kalabo Paper Products

RECOMMENDED ACTION:

Staff respectfully recommends the approval of a Growing Small Business Initiative (GSBI) grant in the total amount of \$9,174.00 for Kalabo Investments, LLC (d/b/a Kalabo Paper Products). The company has successfully fulfilled all program requirements, driving local economic growth by purchasing new manufacturing equipment and creating five high-quality, full-time jobs within the City of Chattanooga.

Company Profile

Kalabo Paper Products is a locally owned and operated manufacturing business established in 2024, located at 2131 Polymer Drive, Suite 107 B, Chattanooga, TN. Under the leadership of President & CEO Hiren Desai, the company manufactures premium, commercial-grade paper goods, including toilet paper, paper towels, napkins, and breakroom supplies. Kalabo supplies high-volume operations across the Southeast, including restaurants, hotels, healthcare facilities, schools, and industrial plants. The company is currently in good standing with the Tennessee Secretary of State and operates as a for-profit entity within Chattanooga city limits.

Job Creation and Economic Impact

To qualify for the GSBI grant, businesses must create a minimum of five full-time jobs (30+ hours per week) within a contiguous 18-month period. Kalabo has met these expectations. The company has over five full time employees. The company expects to add fifteen more employees.

Equipment Investment

Kalabo's workforce expansion was driven by significant investments in their local manufacturing infrastructure. To keep up with demand and scale their workforce, the company purchased and installed new manufacturing machinery at their Chattanooga warehouse. Recent documentation and site photos confirm the active installation and operation of extensive paper rolling machines, custom packaging lines, and a tissue conveyor.

Grant Breakdown

The Southeast Tennessee Development District (SETD) has reviewed Kalabo's application, verified their job creation and equipment expenditures, and certified the award amounts. The requested \$9,174.00 grant is divided into two matched categories:

Recommended Award Amount for Job Creation: \$4,587.00

Recommended Additional Award Amount for Reimbursement of Eligible Expenses (Equipment):
\$4,587.00



Total Recommended Award: \$9,174.00

Fiscal Impact

Funds will come from account NR11 Z00303 with a balance of \$92,256.02.



City of Chattanooga Wastewater Department Consent Decree Program Program Management

Project: W-20-001-201 e2i2 SSO Abatement Program (Progressive Design Build)

Date: May 4, 2026

To: City of Chattanooga Industrial Development Board

From: City of Chattanooga Wastewater Department and Jacobs Engineering Group, Inc

Subject: Quarterly Project Update

Purpose

The purpose of this update is to inform the Industrial Development Board (IDB) of project progress including:

- project background,
- work-to-date,
- contract value and paid to date,
- project schedule,
- change management and,
- upcoming board action requests.

Project Background

City of Chattanooga Project Owner: Wastewater Department

City of Chattanooga Project Manager: Dennis Malone, Assistant City Engineer

Industrial Development Board Representative: Bill Payne, City Engineer

Owner's Advisor: Jacobs Engineering Group, Inc.

Design Builder: Brasfield & Gorrie (B&G)

Documents executed & presented to IDB, to date:

- Design Build RFP – Nov 2022
- Memorandum of Understanding – April 2023
- Design Build Agreement – April 2023
- Property Lease – July 2023



Work-to-Date

Ongoing easement negotiations

The easement/property acquisitions are all complete.

Ongoing Design Efforts

Edwards/HomeServe Driveway Design

The Edwards/HomeServe easement agreement requires redesign of the access drive into the property from Lee Highway. The preliminary design is complete, and efforts are underway to gain acceptance from CDOT and the property owner.

Construction progress update:

e2i2 construction is currently trending for an on schedule and on budget completion. Overall project schedule is anticipated for completion in March 2027, on schedule. South Lee Highway EQ Station is trending towards a project substantial completion date of November 09, 2026, which is also the contractual substantial completion date for that site.

Ongoing progress includes:

- South Lee EQ Station
 - South Lee EQ tank is nearly complete. In process of filling with water for leak test
 - South Lee Pump Station and Diversion structure concrete is complete
 - McCutcheon Road access & gate are 50% complete. Avoiding Patel property and setting bollards.
 - Electrical work tracking behind schedule, however, the DB team is working to rectify so this doesn't impact completion date.
- West Check EQ Station
 - West Chick EQ Tanks are 90% complete
 - In process with TDOT to remove temporary WCEQ access to I-75 on-ramp
- Conveyance
 - South Lee Conveyance (Robin Drive) is complete
 - North Lee Conveyance is 95% complete

Contract Value & Paid to Date

Table 1 Payments to Date, through December 31, 2026

Description	Contract Value (\$)	Completed To Date (\$)	Completed (%)
Total	\$ 153,087,868.00	\$ 110,227,714.53	55.74%

The project is currently 72% complete based on contract value paid to date.





The project is currently 47% complete based on schedule completion.

The amount paid to date is skewed with respect to the schedule % complete based on several factors including: 1) NLH & SLH conveyance work is nearly 100% complete, 2) WCEQ and SLEQ costs are front loaded because of large Schedule of Value items such as earthwork, shoring, CROM tanks, large concrete pours (+150 trucks per day in some cases), and equipment such as pumps, electrical gear, generators, and odor control units. Plus, the schedule completion is based on WCEQ final completion date is approx. 6 months after SLEQ completion.

Project Schedule

Table 2 – Project Milestones

Milestone	Duration (days)	Due Date	Actual
Phase 1 (60% Design + GMP)	365	7/24/2024	8/19/2024
Phase 2 NTP Issued	1	08/30/2024	08/30/2024
Final Design Completion	270	05/27/2025	05/03/2025
Phase 2 Construction Mobilization	1	01/06/2025	01/06/2025
South Lee Hwy Substantial Completion	600	08/29/2026	On Schedule
South Lee Hwy Final Completion	60	10/28/2026	On Schedule
Phase 2 (Full Project) Substantial Completion	810	03/26/2027	On Schedule
Phase 2 (Full Project) Final Completion	60	05/26/2027	On Schedule

Change Management

See Attachment 1.

Upcoming Board Action Requests

None at this time.

Attachments

1. Brasfield & Gorrie Construction Update – March 2026

March 2026 Monthly Status Report

**e2i2 SSO Abatement Program
Phase 1 - South Lee Hwy and
West Chickamauga EQ Stations
03.31.2026**



**BRASFIELD
& GORRIE**



Jacobs





- Section 1** | Progress Summary
- Section 2** | Upcoming Work
- Section 3** | Schedule Status Summary
- Section 4** | Safety Status Summary
- Section 5** | Quality Status Summary
- Section 6** | Contract Amount Status Summary
- Section 7** | Action Items/Key Decisions Needed
- Section 8** | Requests for Information
- Section 9** | Submittals

Attachments

- A. Schedules
 - 8-Week Look-Ahead Project Schedule – 03.24.26
 - Remaining Project Schedule – 03.24.26
 - Weather Log
- B. Owner Contingency CRF Log
- C. Design-Builder Contingency Log
- D. RFI Log
- E. Submittal Log
- F. March 2026 Progress Photos



SECTION 1

PROGRESS SUMMARY

COMPLETED / ONGOING ACTIVITIES IN MARCH

WEST CHICKAMAUGA EQUALIZATION STATION:

- Poured remaining Pump Station Wet Well and Valve Vault Walls
- Poured Part 2 of Pump Station Baffle Wall
- Continued Part 2 of Pump Station Baffle Wall
- Continued installation of 48" gravity line and manholes from Diversion Structure to Pump Station
- Continued installation of site ductbank
- Continued interior plumbing and electrical rough-in of electrical building
- EPB has switched the cell tower over to the new incoming power feed
- Continued exterior brick masonry work at the Electrical Building
- Crom completed the East EQ Tank Dome pours
- Wrapping and prestress of the West EQ Tank has started
- Began removal of West EQ Tank dome formwork and shoring

SOUTH LEE HWY EQUALIZATION STATION:

- Poured Pump Station Valve Vault walls
- Poured interior housekeeping pads and exterior equipment pads at the Electrical Building
- Continued structural backfill around Pump Station/Diversion Structure
- Continued ductbank installation from West Electrical Building to the Pump Station
- Completed 24" force main along St. Stephens Pl, through discharge flow meter vault and tied into Pump Station
- Continued fiber ductbank installation along St. Stephens Pl
- Continued installation of Electrical and HVAC equipment
- Regrading of McCutcheon Stormwater Pond is ongoing
- Electrical equipment installation continued inside East Electrical Building
- Completed wrapping and prestressing of EQ Tank
- Completed covercoat on EQ Tank
- Continued 24" force main and ductbank installation along HomeServe
- Continued SLEQ Tank Site Access Road undercut and backfill

NORTH LEE HIGHWAY CONVEYANCE IMPROVEMENTS:

- Continued installation of 18" relief sewer north of Lee Hwy near Friar Branch crossing
- Repaved Lee Hwy

SOUTH LEE HIGHWAY CONVEYANCE IMPROVEMENTS:

- Reinstallation of 24" line was completed
- Performed repaving



SECTION 2

UPCOMING WORK

UPCOMING ACTIVITIES IN APRIL

WEST CHICKAMAUGA EQUALIZATION STATION:

- FRP remaining Pump Station Elevated Slab
- Begin final water test of Pump Station
- Continue structural backfill for Diversion Structure
- Continue structural backfill for Pump Station
- Complete 48" gravity line installation and backfill from Diversion Structure to Pump Station
- Begin 60" interceptor sewer manhole WC-20 installation (Tank Drain Return)
- Complete masonry work at the Electrical Building
- Complete wrapping and prestressing of the West EQ Tank
- Begin nighttime prestressing operations at the East EQ Tank
- Continue installation of site ductbank
- Begin electrical equipment install in Electrical Building
- Install ceiling inside Electrical Building

SOUTH LEE HWY EQUALIZATION STATION:

- Continue regrading of McCutcheon Stormwater Pond
- Continue structural backfill around Pump Station/Diversion Structure
- Complete installation of offsite ductbank
- Pressure test the 24" force main
- Continue SLEQ East Electrical Building Electrical Equipment install
- Complete SLEQ West Electrical Building GVAC equipment installation
- Continue Pump Station site electrical duct bank installation
- Continue Tank Site electrical duct bank installation
- Continue undercut and backfill of EQ Tank Site Access Road
- Install 30" RCP lines for SLEQ Tank Site Access Road

NORTH LEE HIGHWAY CONVEYANCE IMPROVEMENTS:

- Complete installation of 18" and 24" relief sewer
- Perform CIPP initial inspection

SOUTH LEE HIGHWAY CONVEYANCE IMPROVEMENTS:

- Complete landscaping and punch list items



SECTION 3

SCHEDULE STATUS SUMMARY-KEY PROJECT MILESTONES

Description	Target Date	Completed Date
Design Milestones		
95% Set Design Issue	February 5, 2025	Complete
Final Design Completion – 100% Issued for Construction	April 30, 2025 (Actual)	Complete
South Lee Hwy EQ Station		
Phase 2 Construction Mobilization	January 6, 2025 (Actual)	Complete
Substantial Completion	November 9, 2026	Tracking
Final Completion	January 8, 2027	Tracking
Original Calendar Days of Contract = 733	Remaining Calendar Days = 283 Days	61.39% Complete**
West Chickamauga EQ Station		
Phase 2 Construction Mobilization	January 6, 2025 (Actual)	Complete
Substantial Completion	June 7, 2027	Tracking
Final Completion	August 6, 2027	Tracking
Original Calendar Days of Contract = 943 Days	Remaining Calendar Days = 493 Days	47.72% Complete**

**See below schedule and cost impacts for additional information

SCHEDULE NARRATIVE

Summary Status:

Attached is the March 2026 Schedule with a data date of “03/24/26”. e2i2 Phase 2 is currently trending for an early project completion of March 19, 2027. South Lee Highway EQ Station is trending towards a final completion date of December 22, 2026. As mentioned during the March 2026 monthly progress meeting, this completion date is later than our previously planned scheduled completion date. Since the March 2026 monthly meeting, we have held several schedule coordination meetings and revised crew flows to improve the enclosed 3/24/2026 schedule. We will review our updated schedule at the next monthly progress meeting. For clarification, the eight (8) excess adverse weather workdays incurred and documented during the months of April and May 2025 have been incorporated into the Project Schedule.



Longest Path:

The longest path to Phase 2 Completion currently runs through the construction of the pump station at the West Chickamauga EQ Station.

The longest path to the South Lee Highway EQ Station Completion milestone currently runs through the installation of site ductbank at the South Lee Hwy EQ Station tank site.

Risks/Challenges/Delays:

Current risks for the project include:

1. Maintaining the current schedule for tank & pump station construction at both sites
2. Delays in equipment deliveries, notably electrical equipment, large valves, and odor control equipment

POTENTIAL SCHEDULE & COST IMPACTS

Any cost change notifications are documented to Jacobs and will be summarized during the monthly progress meeting. See Section 6 and attachments for Owner Contingency, Allowances and Design-Builder Contingency logs and updates.

Other Significant Potential Schedule and Cost Events Include:

1. South Lee EQ Station Permanent Access Route, Design and Acquisition – The South Lee Hwy EQ Station East Site permanent access design is complete. We have received TDEC ARAP and USACE NWP 58 approval. LDO and SWPPP permit applications have been submitted and approved. Construction costs will be submitted soon.

2. Additional Adverse Weather Day Request – In October, there were 5 adverse weather workdays. The contract includes 4 October adverse weather workdays. B&G requested 1 additional contract workday for the excess adverse October weather workday. B&G will include this additional request contract workday in the next CRF.



SECTION 4 SAFETY STATUS SUMMARY

Safety Item	Description		
Subcontractors Onsite	Contractor	No.	Tasks
	Greenrise	1	Weekly Erosion control checks.
	JDS	11	Finish SL conveyance work and continue NL conveyance work.
	Lawson Electric	18	Site ductbank and rough-in is ongoing at both SLEQ and WCEQ sites
	G&P Masonry	7	Completed installation of exterior brick at SLEQ West Electrical Building. Ongoing installation of exterior brick at WCEQ Electrical Building
	Bama Reinforcing	3	Continued installation of rebar at WCEQ Pump Station
	Crom	48	At SLEQ, wrapping and prestressing of EQ Tank was completed. At WCEQ, continued wrapping and prestressing West EQ Tank. Completed pouring of East EQ Tank dome
	T.S. Raulston	2	Completed plumbing rough-in at SLEQ West and HVAC/plumbing equipment. Continued WCEQ Electrical Building plumbing & HVAC rough-in
Upcoming Safety Risks During April 2026	<ol style="list-style-type: none"> 1. FRP WCEQ Pump Station elevated slab 2. FRP WCEQ East EQ Tank dome 3. Wrapping and prestressing of West Chickamauga EQ Tanks 4. Installation of ductbank at SLEQ Tank Site and Pump Station 5. 48" gravity line and 60" interceptor sewer installation 6. Wrecking formwork from WCEQ Pump Station elevated slab 		
Monthly Safety Statistics/Information for March 2026	<ol style="list-style-type: none"> 1. 40 new employees were orientated this month 2. 6 minor incidents during this month. *** Incident reports are available upon request.		

SECTION 5 QUALITY STATUS SUMMARY

Description



West Chickamauga EQ Station
<ul style="list-style-type: none"> • Twice weekly erosion control inspections. • Monitor structure layout and elevations. • Monitor yard pipe installation layout and elevations. • Monitor Structural Rebar and Concrete placement. • Pressure Testing of completed Yard Piping. • Geotechnical Inspections and Concrete Sampling and Testing.
South Lee Hwy EQ Station
<ul style="list-style-type: none"> • Twice weekly erosion control inspections. • Monitor structure layout and elevations. • Monitor yard pipe installation layout and elevations. • Geotechnical Inspections and Concrete Sampling and Testing. • Pressure Testing of completed Yard Piping. • Monitor Structural Rebar and Concrete placement.

SECTION 6

CONTRACT AMOUNT STATUS SUMMARY

See attached Contingency Logs for additional details.

Item	Amount
Owner Contingency - Original	\$4,521,887
Less CRF 1 through CRF 4	\$57,912
Owner Contingency - Remaining	\$4,463,975
Design-Builder Contingency - Original	\$4,710,459
Less DBC-1 through DBC-10	\$112,789
Design-Builder Contingency - Remaining	\$4,597,670
Original Contract Amount	\$153,087,868
	Forecasted Amount
Forecasted Contract Amount	\$153,087,868



SECTION 7

ACTION ITEMS/KEY DECISIONS NEEDED

Item	Description	Resp.

SECTION 8

REQUESTS FOR INFORMATION

- See attached RFI Log.

SECTION 9

SUBMITTALS

- See attached Submittal Log.

E2i2 - Responsibility	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2026					
							Mar	Apr	May	Jun	Jul	
e2i2 SSO Abatement Program - S. Lee Hwy and W. Chickamauga EQ - 2026-03-24 Update												
Summary Schedule												
	SUMM1040	South Lee Highway EQ Station	674	06-Jan-25 A	22-Dec-26	-43						
	SUMM1050	West Chickamauga EQ Station	844	06-Jan-25 A	19-Mar-27	80						
	SUMM1070	North Lee Highway Conveyance Improvements	526	20-Mar-25 A	08-Dec-26	120						
	SUMM1060	South Lee Highway Conveyance Improvements	522	03-Apr-25 A	08-Dec-26	120						
	SUMM1047	South Lee Highway East Electrical Building	282	25-Jul-25 A	04-Sep-26	-35						
	SUMM1043	South Lee Highway West Electrical Building	237	29-Jul-25 A	07-Jul-26	15						07-Jul-26
	SUMM1053	West Chickamauga Electrical Building	240	02-Oct-25 A	17-Sep-26	54						
Milestones												
	M1060	OVERALL ONSITE DURATION TO SUBSTANTIAL	785	06-Jan-25 A	18-Jan-27	80						
	M1070	OVERALL ONSITE SOUTH LEE HIGHWAY DURATION TO SUBSTANTIAL	600	06-Jan-25 A	23-Oct-26	-43						
Owner Deliverables												
OWNER	OWN1056	Owner Acquire Permanent Access / Easements - SLEQ Tank Site City Church	181	08-Aug-24 A	24-Mar-26	32		24-Mar-26				
Phase 1 (Preconstruction Phase)												
Phase 2 (Final Design & Construction Phase)												
Construction												
South Lee Highway EQ Station												
South Lee EQ - West Site												
West Site Work & Retaining Walls												
B&G	LEE1350	Fine Grade, Base, & Concrete Paving & Sidewalks / Pads / Steps	20	11-May-26	16-Jun-26	0			11-May-26			16-Jun-26
Pump Station & Diversion Structure												
Civil												
B&G	LEE9700	Finish Backfill Pump Station Site - South Lee Highway Pump Station & Diversion Structure - West Site Pink	3	18-Mar-26 A	30-Mar-26	-6						30-Mar-26
B&G	LEE9830	Finish Backfill Pump Station Site - South Lee Highway Pump Station & Diversion Structure - West Site Green	3	27-Mar-26	01-Apr-26	-6						01-Apr-26
Structural												
PAINT	LEE2150	Painting & Coatings - South Lee Highway Pump Station & Diversion Structure - West Site	15	02-Mar-26 A	30-Mar-26	18						30-Mar-26
B&G	LEE2490	Install Grating Supports - South Lee Highway Pump Station Valve Vault	5	29-Apr-26	08-May-26	45			29-Apr-26			08-May-26
Process Mechanical												
B&G	LEE2450	Valve Vault Piping / Valves - South Lee Highway Pump Station & Diversion Structure - West Site	15	01-Apr-26	28-Apr-26	18			01-Apr-26			28-Apr-26
B&G	LEE9940	Pump Base, Discharge Pipe, & Guiderail Installation - South Lee Highway Pump Station - West Site	5	29-Apr-26	08-May-26	18			29-Apr-26			08-May-26
B&G	LEE2400	Pump & Cable Installation - South Lee Highway Pump Station & Diversion Structure - West Site	2	11-May-26	12-May-26	18						11-May-26
B&G	LEE9950	Gate Installation - South Lee Highway Pump Station & Diversion Structure - West Site	10	14-May-26	02-Jun-26	18						14-May-26
Electrical												

E2i2 - Responsibility	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2026							
							Mar	Apr	May	Jun	Jul			
LAWSON	LEE2143	Electrical Equipment Install - South Lee Highway Pump Station & Diversion Structure - West Site	7	11-May-26	21-May-26	21			11-May-26		21-May-26			
LAWSON	LEE9930	Terminate Pump Power & Control Wires - South Lee Highway Pump Station & Diversion Structure - West Site	3	14-May-26	18-May-26	47			14-May-26		18-May-26			
West Electrical Bldg														
Civil / Structural / Architectural														
	LEE5231	ATS Canopy Install - West Electrical Building	5	24-Mar-26	01-Apr-26	39	Mar-26		01-Apr-26					
	LEE5201	Install Doors - West Electrical Building	3	04-May-26	06-May-26	16			04-May-26		06-May-26			
PAINT	LEE5191	Final Coat - West Electrical Building	5	08-May-26	15-May-26	16			08-May-26		15-May-26			
Electrical														
LAWSON	LEE5152	Install Electrical Equipment - West Electrical Building	5	10-Mar-26 A	06-Apr-26	18			06-Apr-26					
LAWSON	LEE5162	Internal Pull / Terminate Power & Control Wire - West Electrical Building	11	07-Apr-26	24-Apr-26	18	07-Apr-26			24-Apr-26				
LAWSON	LEE5172	Electrical Wire & Equipment Testing - West Electrical Building	11	07-Apr-26	24-Apr-26	18	07-Apr-26			24-Apr-26				
LAWSON	LEE5212	VFD Pull Box Installation - West Electrical Building	1	17-Apr-26	17-Apr-26	38			17-Apr-26		17-Apr-26			
LAWSON	LEE5182	Install PLC and Terminate Wire - West Electrical Building	5	22-Apr-26	29-Apr-26	16			22-Apr-26		29-Apr-26			
Plumbing / HVAC														
HVAC/PL	LEE5156	Install HVAC Equipment - West Electrical Building	10	09-Mar-26 A	02-Apr-26	30			02-Apr-26					
HVAC/PL	LEE5166	Install HVAC Refrigerant & Condensate Piping - West Electrical Building	3	09-Mar-26 A	02-Apr-26	33			02-Apr-26					
West Generator														
LAWSON	LEE5740	Install Generator - West Generator	5	29-Apr-26	08-May-26	11			29-Apr-26		08-May-26			
LAWSON	LEE5753	Pull & Terminate Wire - West Generator	5	11-May-26	18-May-26	11			11-May-26		18-May-26			
Pump Station & Diversion Structure Odor Control														
B&G	LEE6010	Excavation & Grading - Pump Station & Diversion Odor Control - West Site	2	23-Apr-26	24-Apr-26	21			23-Apr-26		24-Apr-26			
B&G	LEE6020	In & Under Rough-In - Pump Station & Diversion Odor Control - West Site	5	28-Apr-26	06-May-26	21			28-Apr-26		06-May-26			
B&G	LEE6030	SOG & Tank Pad - Pump Station & Diversion Odor Control - West Site	10	08-May-26	26-May-26	21			08-May-26		26-May-26			
Pump Station Discharge Meter Vault														
B&G	LEE9230	Meter Installation - Pump Station Discharge Meter Vault - West Site	3	24-Mar-26 A	27-Mar-26	15	Mar-26 A		27-Mar-26					
LAWSON	LEE9243	Electrical Equipment Install - Pump Station Discharge Meter Vault - West Site	5	30-Mar-26	07-Apr-26	63	30-Mar-26		07-Apr-26					
PAINT	LEE9240	Paint & Coatings - Pump Station Discharge Meter Vault - West Site	4	30-Mar-26	06-Apr-26	69	30-Mar-26		06-Apr-26					
LAWSON	LEE9247	Pull & Terminate - Pump Station Discharge Meter Vault - West Site	5	08-Apr-26	16-Apr-26	63	08-Apr-26		16-Apr-26					
South Lee EQ - East Site														
East Site Work														
B&G	LEE1137	Revise Site Grading for Permanent SLEQ East Site Access - East Site	30	06-Jan-26 A	10-Apr-26	32			10-Apr-26					
B&G	LEE9570	Temporary Construction Road & Twin 48" RCP Installation Part 2	10	24-Mar-26	10-Apr-26	24	Mar-26		10-Apr-26					
B&G	LEE10220	Misc Electrical Rack Pads - East Site	3	20-Apr-26	23-Apr-26	2			20-Apr-26		23-Apr-26			
B&G	LEE1140	Fine Grade, Base, & Paving - East Site	20	15-May-26	22-Jun-26	7			15-May-26		22-Jun-26			
10MG EQ Tank														
CROM	LEE4890	Tank Accessories Install (Crom 4 Work Days) - 10 MG EQ Tank - East Site	5	24-Mar-26	01-Apr-26	-13	Mar-26		01-Apr-26					
CROM	LEE4875	Covercoat Cure - 10 MG EQ Tank - East Site	14	24-Mar-26	06-Apr-26	-36	Mar-26		06-Apr-26					
B&G	LEE4910	Water Test Tank - 10 MG EQ Tank - East Site	25	07-Apr-26	01-May-26	-30	07-Apr-26		01-May-26					

E2i2 - Responsibility	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2026					
							Mar	Apr	May	Jun	Jul	
CROM	LEE4900	Exterior Coatings Application & Demobilize (Crom 12 Work Days) - 10 MG EQ Tank - East Site	13	14-Apr-26	08-May-26	-19		14-Apr-26	08-May-26			
B&G	LEE4140	Exterior Process Pipe & Equipment Installation - 10 MG EQ Tank - East Site	15	11-May-26	08-Jun-26	-19			11-May-26	08-Jun-26		
East Electrical Bldg												
Civil / Structural / Architectural												
PAINT	LEE9360	Final Coat - East Electrical Bldg	5	16-Apr-26	23-Apr-26	19		16-Apr-26	23-Apr-26			
	LEE9370	Install Doors - East Electrical Bldg	3	24-Apr-26	29-Apr-26	19		24-Apr-26	29-Apr-26			
Electrical												
LAWSON	LEE9380	Install Electrical Equipment - East Electrical Bldg	7	24-Mar-26	06-Apr-26	16	Mar-26	06-Apr-26				
LAWSON	LEE9390	Pull / Terminate Power & Control Wire - East Electrical Bldg	3	07-Apr-26	10-Apr-26	19		07-Apr-26	10-Apr-26			
LAWSON	LEE9400	Electrical Wire & Equipment Testing - East Electrical Bldg	5	07-Apr-26	14-Apr-26	19		07-Apr-26	14-Apr-26			
LAWSON	LEE9650	Install PLC Panel and Terminate Wire - East Electrical Bldg	7	22-Apr-26	05-May-26	32		22-Apr-26	05-May-26			
East Generator												
LAWSON	LEE9200	In & Under / Rough-In - East Generator - East Site (Red)	5	07-Apr-26	14-Apr-26	-27		07-Apr-26	14-Apr-26			
B&G	LEE9160	Foundation/Base Slab - East Generator - East Site	5	16-Apr-26	23-Apr-26	6		16-Apr-26	23-Apr-26			
LAWSON	LEE9170	Install Generator - East Generator - East Site	5	24-Apr-26	05-May-26	6		24-Apr-26	05-May-26			
LAWSON	LEE9181	Pull & Terminate Wire - East Generator - East Site	5	06-May-26	14-May-26	9			06-May-26	14-May-26		
LAWSON	LEE9201	Cat/ ASCO Pre-Energization Inspection - East Generator - East Site	1	15-May-26	15-May-26	9			15-May-26	15-May-26		
EQ Tank Odor Control												
B&G	LEE6120	In & Under Rough-In - EQ Tank Odor Control - East Site	5	24-Mar-26	01-Apr-26	-20	Mar-26	01-Apr-26				
LAWSON	LEE6157	Pull & Terminate Wire - EQ Tank Odor Control - East Site	4	24-Mar-26	30-Mar-26	60	Mar-26	30-Mar-26				
LAWSON	LEE9770	In & Under Rough-In - EQ Tank Odor Control - East Site (Red)	5	07-Apr-26	14-Apr-26	-27		07-Apr-26	14-Apr-26			
B&G	LEE6130	Structural Concrete - EQ Tank Odor Control - East Site	10	16-Apr-26	05-May-26	3		16-Apr-26	05-May-26			
B&G	LEE6140	Process Equipment & Odor Control Pipe Installation - EQ Tank Odor Control - East Site	15	11-May-26	08-Jun-26	1			11-May-26	08-Jun-26		
EQ Tank Inlet Valve Vault												
PAINT	LEE7140	Paint Pipe & Valves - EQ Tank Inlet Valve Vault	3	24-Mar-26	27-Mar-26	16	Mar-26	27-Mar-26				
EQ Tank Drain Valve Vault												
B&G	LEE9460	Valve Installation - Tank Vaults - EQ Tank Drain Valve Vault	3	17-Apr-26	22-Apr-26	-1		17-Apr-26	22-Apr-26			
PAINT	LEE9490	Paint Pipe & Valves - EQ Tank Drain Valve Vault	3	23-Apr-26	28-Apr-26	-1		23-Apr-26	28-Apr-26			
EQ Tank Return Meter Vault												
B&G	LEE9520	Meter Installation - Tank Vaults - EQ Tank Return Meter Vault	3	24-Mar-26	27-Mar-26	14	Mar-26	27-Mar-26				
PAINT	LEE9530	Paint Piping - EQ Tank Return Meter Vault	3	30-Mar-26	02-Apr-26	53	30-Mar-26	02-Apr-26				
Yard Pipe												
B&G	LEE7535	24" FM Homeserve to Tanksite Tie-in	10	15-Dec-25 A	26-Mar-26	-27		26-Mar-26				
B&G	LEE7620	Install 30" Sanitary Line (220 LF)	7	09-Mar-26 A	30-Mar-26	14		30-Mar-26				
B&G	LEE9550	Install PVC Odor Control Drains West Site	2	24-Mar-26	26-Mar-26	-6	Mar-26	26-Mar-26				
B&G	LEE7700	Install 2" Potable Water to Electrical Bldg & 4" Irrigation Post Hydrant West Site	2	27-Mar-26	30-Mar-26	8	Mar-26	30-Mar-26				
B&G	LEE7690	Install 2" PVC Meter Vault Sump Pump Discharge Drains West Site	1	01-Apr-26	01-Apr-26	14	01-Apr-26	01-Apr-26				
	LEE7760	Finish 6" Fire and 4" Irrigation Service Lines to TAW East Site	5	01-Apr-26	08-Apr-26	20	01-Apr-26	08-Apr-26				
B&G	LEE9760	Install Storm Drain Inlet and 18" RCP- West Site	5	02-Apr-26	10-Apr-26	14	02-Apr-26	10-Apr-26				

E2i2 - Responsibility	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2026				
							Mar	Apr	May	Jun	Jul
B&G	LEE7740	Install Post Hydrants / Yard Hydrants / Hose Racks (3 EA) - East Site	5	10-Apr-26	17-Apr-26	20	10-Apr-26	17-Apr-26			
	LEE7780	TAW Inspections and Tie-ins	5	10-Apr-26	17-Apr-26	225	10-Apr-26	17-Apr-26			
B&G	LEE7710	Install PVC Odor Control Drains East Site	2	06-May-26	08-May-26	7		06-May-26	08-May-26		
B&G	LEE7720	Install 4" DIP Drain @ Tank Return Meter Vault (21 LF)	1	11-May-26	11-May-26	7		11-May-26	11-May-26		
B&G	LEE9560	Install 3" PVC Vault Drains East Site	2	12-May-26	14-May-26	7		12-May-26	14-May-26		
Ductbank											
West Site											
LAWSON	LEE9710	South Lee Pump Station On-Site Ductbank - Brown	7	21-Mar-26 A	30-Mar-26	0	26 A	30-Mar-26			
LAWSON	LEE9720	South Lee Pump Station On-Site Ductbank - Yellow	7	21-Mar-26 A	01-Apr-26	0	26 A	01-Apr-26			
LAWSON	LEE7920	South Lee Pump Station On-Site Ductbank - Aqua	5	01-Apr-26	08-Apr-26	11	01-Apr-26	08-Apr-26			
LAWSON	LEE9730	South Lee Pump Station On-Site Ductbank - Orange	12	01-Apr-26	22-Apr-26	0	01-Apr-26	22-Apr-26			
LAWSON	LEE9750	South Lee Pump Station On-Site Ductbank - Red	3	23-Apr-26	28-Apr-26	0		23-Apr-26	28-Apr-26		
LAWSON	LEE9740	South Lee Pump Station On-Site Ductbank - Magenta	5	29-Apr-26	08-May-26	0		29-Apr-26	08-May-26		
LAWSON	LEE9840	Offsite Ductbank West Site - St.Stephens Part 3 - Blue	5	29-Apr-26	08-May-26	27		29-Apr-26	08-May-26		
	LEE9850	Pull & Terminate Fiber from West Site to East Site	3	11-May-26	14-May-26	27		11-May-26	14-May-26		
LAWSON	LEE10200	Install Pole Bases and Tie-In Ductbank	5	11-May-26	18-May-26	30		11-May-26	18-May-26		
East Site											
LAWSON	LEE9690	Offsite Ductbank East Site - Homeserve to East Site Tie-in Part 2	7	24-Mar-26	06-Apr-26	-27	Mar-26	06-Apr-26			
LAWSON	LEE7940	South Lee Tank Site On-Site Ductbank and Site Lighting - Blue	2	16-Apr-26	17-Apr-26	-27		16-Apr-26	17-Apr-26		
LAWSON	LEE9780	South Lee Tank Site On-Site Ductbank and Site Lighting - Yellow	2	20-Apr-26	22-Apr-26	-27		20-Apr-26	22-Apr-26		
LAWSON	LEE9820	South Lee Tank Site On-Site Ductbank and Site Lighting - Black	1	20-Apr-26	20-Apr-26	19		20-Apr-26	20-Apr-26		
LAWSON	LEE9790	South Lee Tank Site On-Site Ductbank and Site Lighting - Aqua	10	23-Apr-26	12-May-26	-27		23-Apr-26	12-May-26		
LAWSON	LEE9800	South Lee Tank Site On-Site Ductbank and Site Lighting - Orange	10	14-May-26	02-Jun-26	-27		14-May-26	02-Jun-26		
Ductbank Wire											
West Site											
LAWSON	LEE10000	Pull & Terminate Site Wire from Electrical Building to Transformer	3	24-Apr-26	29-Apr-26	11		24-Apr-26	29-Apr-26		
West Chickamauga											
Pump Station											
B&G	WC2159	Cure Valve Vault Walls - West Chickamauga Pump Station	7	12-Mar-26 A	24-Mar-26	142		24-Mar-26			
B&G	WC2128	Install Shoring & FRP Elevated Slabs - West Chickamauga Pump Station	20	23-Mar-26 A	29-Apr-26	38	26 A	29-Apr-26			
PAINT	WC2150	Painting & Coatings - West Chickamauga Pump Station	15	24-Mar-26	20-Apr-26	72	Mar-26	20-Apr-26			
LAWSON	WC2141	Rough-In Top Slab Conduit	10	07-Apr-26	23-Apr-26	41	07-Apr-26	23-Apr-26			
B&G	WC2168	Cure Elevated Slab - West Chickamauga Pump Station	7	30-Apr-26	06-May-26	78		30-Apr-26	06-May-26		
B&G	WC2135	Water Test Structure - West Chickamauga Pump Station	10	08-May-26	26-May-26	39		08-May-26	26-May-26		
Diversion Structure											
B&G	WC3130	Install Gates & Process Pipe - West Chickamauga Diversion Structure	25	24-Mar-26	11-May-26	97	Mar-26	11-May-26			
LAWSON	WC3143	Electrical Equipment Install - West Chickamauga Diversion Structure	5	12-May-26	20-May-26	97		12-May-26	20-May-26		
15MG EQ Tank #1											
CROM	WC4860	Prestress (Crom 6 Work Days) - 15MG EQ Tank #1	12	04-Mar-26 A	02-Apr-26	82		02-Apr-26			
CROM	WC4880	Dome Form Removal (Crom 12 Work Days) - 15MG EQ Tank #1	10	24-Mar-26 A	10-Apr-26	82	26 A	10-Apr-26			
CROM	WC4870	Covercoat (Crom 20 Work Days) - 15MG EQ Tank #1	0	06-Apr-26	06-Apr-26	82	06-Apr-26	06-Apr-26			

E2i2 - Responsibility	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2026				
							Mar	Apr	May	Jun	Jul
CROM	WC4890	Tank Accessories Install (Crom 4 Work Days) - 15MG EQ Tank #1	4	06-Apr-26	10-Apr-26	82	06-Apr-26	10-Apr-26			
CROM	WC4900	Exterior Coatings Application & Demobilize (Crom 22 Work Days) - 15MG EQ Tank #1	29	06-Apr-26	28-May-26	82	06-Apr-26	28-May-26			
CROM	WC4875	Covercoat Cure - 15MG EQ Tank #1	14	06-Apr-26	19-Apr-26	224	06-Apr-26	19-Apr-26			
B&G	WC4895	Water Test Tank - 15 MG EQ Tank #1	35	20-Apr-26	24-May-26	224		20-Apr-26	24-May-26		
15MG EQ Tank #2											
CROM	WC9200	Prestress (Crom 6 Work Days) - 15MG EQ Tank #2	16	24-Mar-26	22-Apr-26	78	Mar-26	22-Apr-26			
CROM	WC9220	Dome Form Removal (Crom 12 Work Days) - 15MG EQ Tank #2	17	07-Apr-26	08-May-26	90	07-Apr-26	08-May-26			
CROM	WC9210	Covercoat (Crom 20 Work Days) - 15MG EQ Tank #2	8	23-Apr-26	08-May-26	82		23-Apr-26	08-May-26		
CROM	WC9250	Covercoat Cure - 15MG EQ Tank #2	14	09-May-26	22-May-26	156		09-May-26	22-May-26		
CROM	WC9230	Tank Accessories Install (Crom 4 Work Days) - 15MG EQ Tank #2	4	11-May-26	15-May-26	90		11-May-26	15-May-26		
Electrical Bldg											
Civil / Structural / Architectural											
PAINT	WC9710	Interior Finishes, Prime and First Coat - West Chickamauga Electrical Bldg	15	24-Mar-26	20-Apr-26	44	Mar-26	20-Apr-26			
ROOF	WC10110	Install Standing Seam Roofing - West Chickamauga Electrical Bldg	10	24-Mar-26	10-Apr-26	49	Mar-26	10-Apr-26			
PAINT	WC9540	Final Coat - West Chickamauga Electrical Bldg	10	22-Apr-26	11-May-26	79		22-Apr-26	11-May-26		
	WC10090	ATS Canopy Install	5	22-Apr-26	29-Apr-26	219		22-Apr-26	29-Apr-26		
Electrical											
	WC10100	Install ATS - West Chickamauga Electrical Bldg	5	13-Apr-26	20-Apr-26	54		13-Apr-26	20-Apr-26		
LAWSON	WC9560	Install Electrical Equipment - West Chickamauga Electrical Bldg	10	22-Apr-26	11-May-26	44		22-Apr-26	11-May-26		
LAWSON	WC10120	Install PLC and Terminate Wire - West Chickamauga Electrical Bldg	15	05-May-26	02-Jun-26	121		05-May-26	02-Jun-26		
LAWSON	WC9570	Pull / Terminate Power & Control Wire - West Chickamauga Electrical Bldg	20	12-May-26	18-Jun-26	44		12-May-26	18-Jun-26		
EQ Tank #1 Odor Control											
B&G	WC9620	Excavation & Grading - EQ Tank #1 Odor Control	3	23-Apr-26	28-Apr-26	78		23-Apr-26	28-Apr-26		
B&G	WC9625	In & Under / Rough-In - EQ Tank #1 Odor Control	10	29-Apr-26	18-May-26	78		29-Apr-26	18-May-26		
EQ Tank #2 Odor Control											
B&G	WC9680	Excavation & Grading - EQ Tank #2 Odor Control	3	24-Mar-26	27-Mar-26	91	Mar-26	27-Mar-26			
B&G	WC9730	In & Under / Rough-In - EQ Tank #2 Odor Control	10	30-Mar-26	16-Apr-26	114	30-Mar-26	16-Apr-26			
Tank Flow Distribution Valve Vault											
B&G	WC9280	Valve Installation - Tank Flow Distribution Valve Vault	3	24-Mar-26	27-Mar-26	83	Mar-26	27-Mar-26			
PAINT	WC9360	Paint Pipe & Valves - Tank Flow Distribution Valve Vault	3	30-Mar-26	02-Apr-26	129	30-Mar-26	02-Apr-26			
LAWSON	WC9293	Electrical / I&C Equipment Install - Tank Flow Distribution Valve Vault	5	06-Apr-26	13-Apr-26	129	06-Apr-26	13-Apr-26			
LAWSON	WC9297	Pull & Terminate Wire - Tank Flow Distribution Valve Vault	5	14-Apr-26	22-Apr-26	129		14-Apr-26	22-Apr-26		
EQ Tank #1 Tank Drain Valve Vault											
B&G	WC9760	Piping / Meter / Valve Installation - EQ Tank #1 Tank Drain Valve Vault	3	30-Mar-26	02-Apr-26	83	30-Mar-26	02-Apr-26			
PAINT	WC9770	Paint Pipe & Valves - EQ Tank #1 Tank Drain Valve Vault	3	06-Apr-26	08-Apr-26	150	06-Apr-26	08-Apr-26			
B&G	WC9790	Miscellaneous Metals - EQ Tank #1 Tank Drain Valve Vault	3	10-Apr-26	14-Apr-26	150		10-Apr-26	14-Apr-26		
LAWSON	WC9773	Electrical / I&C Equipment Install - EQ Tank #1 Tank Drain Valve Vault	5	16-Apr-26	23-Apr-26	150		16-Apr-26	23-Apr-26		
LAWSON	WC9777	Pull & Terminate Wire - EQ Tank #1 Tank Drain Valve Vault	5	24-Apr-26	05-May-26	150		24-Apr-26	05-May-26		
EQ Tank #2 Tank Drain Valve Vault											
B&G	WC9830	Piping / Meter / Valve Installation - EQ Tank #2 Tank Drain Valve Vault	3	06-Apr-26	08-Apr-26	83	06-Apr-26	08-Apr-26			

E2i2 - Responsibility	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2026					
							Mar	Apr	May	Jun	Jul	
PAINT	WC9840	Paint Pipe & Valves - EQ Tank #2 Tank Drain Valve Vault	3	10-Apr-26	14-Apr-26	147		10-Apr-26	14-Apr-26			
B&G	WC9860	Miscellaneous Metals - EQ Tank #2 Tank Drain Valve Vault	3	16-Apr-26	20-Apr-26	147		16-Apr-26	20-Apr-26			
LAWSON	WC9843	Electrical / I&C Equipment Install - EQ Tank #2 Tank Drain Valve Vault	5	22-Apr-26	29-Apr-26	147		22-Apr-26	29-Apr-26			
LAWSON	WC9847	Pull & Terminate Wire - EQ Tank #2 Tank Drain Valve Vault	5	04-May-26	11-May-26	147		04-May-26	11-May-26			
Yard Pipe												
B&G	WC7660	Install 48" DIP Sanitary Line (343 LF)	10	13-Mar-26 A	27-Mar-26	77		27-Mar-26				
B&G	WC7760	Install 6" PVC Odor Control Drains (708 LF)	7	30-Mar-26	10-Apr-26	99	30-Mar-26	10-Apr-26				
B&G	WC9960	Install 6" DIP Fire Line (1,280 LF) - Part 3 - South	5	30-Mar-26	07-Apr-26	83	30-Mar-26	07-Apr-26				
B&G	WC9970	Install 4" DIP Washdown Water Line (2,561 LF) - Part 3 - South	10	30-Mar-26	16-Apr-26	77	30-Mar-26	16-Apr-26				
B&G	WC9980	Install 2" PEX Potable Water Line (1,345 LF) - Part 3 - South	10	30-Mar-26	16-Apr-26	79	30-Mar-26	16-Apr-26				
B&G	WC10150	Install 30" DIP Tank Overflow and Drain 5/12 (192 LF) MH 20 to MH 21	15	02-Apr-26	29-Apr-26	97	02-Apr-26	29-Apr-26				
B&G	WC7780	Install Fire Hydrant (1 EA)	1	08-Apr-26	08-Apr-26	83	08-Apr-26	08-Apr-26				
B&G	WC7770	Install Post Hydrants (5 EA)	2	17-Apr-26	20-Apr-26	77		17-Apr-26	20-Apr-26			
B&G	WC10170	Install 60" DIP Sanitary Line (105 LF) Diversion to MH WC-2 & WC-3	10	04-May-26	20-May-26	97		04-May-26	20-May-26			
Ductbank												
LAWSON	WC7920	East Tank Ductbank (Blue) - West Chickamauga	25	17-Feb-26 A	30-Mar-26	98		30-Mar-26				
LAWSON	WC7918	West Tank Ductbank (Purple)- West Chickamauga	15	06-Apr-26	04-May-26	96	06-Apr-26	04-May-26				
LAWSON	WC7921	Distribution Valve Vault Ductbank (Light Red)- West Chickamauga	15	23-Apr-26	21-May-26	86		23-Apr-26	21-May-26			
Conveyance Piping System Improvements												
South Lee Hwy Conveyance												
JDS	CONV2217	SLH Conveyance B&G / Engineer Punchlist - 6872 Robin Drive - SLH	12	30-Dec-25 A	24-Mar-26	153		24-Mar-26				
North Lee Hwy Conveyance												
JDS	CONV10010	Lay 18" DI from MH#7 to MH#14 - NLH	30	13-Feb-26 A	08-Apr-26	55		08-Apr-26				
JDS	CONV10020	Lay 18" DI from MH#14 to MHC015 and Replace 18" to 24" from MHC015 to MHD0009 - NLH	15	10-Apr-26	08-May-26	55	10-Apr-26	08-May-26				
JDS	CONV3110	NLH Relief Sewer Restoration & Planting - NLH	10	11-May-26	27-May-26	79		11-May-26	27-May-26			
JDS	CONV3111	Site Prep for SLH Rehabilitation - NLH	5	11-May-26	18-May-26	55		11-May-26	18-May-26			
B&G	CONV1152	NLH Restoration Preconstruction Photos & Videos	1	11-May-26	11-May-26	55		11-May-26	11-May-26			
JDS	CONV1162	Cure MH Inverts	28	12-May-26	08-Jun-26	113		12-May-26	08-Jun-26			
GCU	CONV3112	Mob, Bypass Pump, Flush Lines & CCTV for North Lee Hwy Conveyance Rehabilitation - NLH	10	19-May-26	02-Jun-26	75		19-May-26	02-Jun-26			

E212 - Responsibility	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2026												2027						
							Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	
e2i2 SSO Abatement Program - S. Lee Hwy and W. Chickamauga EQ - 2026-03-24 Update																									
Summary Schedule																									
	SUMM1040	South Lee Highway EQ Station	674	06-Jan-25 A	22-Dec-26	-43													22-Dec-26						
	SUMM1050	West Chickamauga EQ Station	844	06-Jan-25 A	19-Mar-27	80													19-Mar-27						
	SUMM1070	North Lee Highway Conveyance Improvements	526	20-Mar-25 A	08-Dec-26	120													08-Dec-26						
	SUMM1060	South Lee Highway Conveyance Improvements	522	03-Apr-25 A	08-Dec-26	120													08-Dec-26						
	SUMM1047	South Lee Highway East Electrical Building	282	25-Jul-25 A	04-Sep-26	-35													04-Sep-26						
	SUMM1043	South Lee Highway West Electrical Building	237	29-Jul-25 A	07-Jul-26	15													07-Jul-26						
	SUMM1053	West Chickamauga Electrical Building	240	02-Oct-25 A	17-Sep-26	54													17-Sep-26						
Milestones																									
	M1060	OVERALL ONSITE DURATION TO SUBSTANTIAL	785	06-Jan-25 A	18-Jan-27	80													18-Jan-27						
	M1070	OVERALL ONSITE SOUTH LEE HIGHWAY DURATION TO SUBSTANTIAL	600	06-Jan-25 A	23-Oct-26	-43													23-Oct-26						
	BGM1020	South Lee Highway Substantial Completion - 600 Days after Mobilization + 8 Work Days (13 Calendar Days) - 9/11/26	0		23-Oct-26*	-43													◆ 23-Oct-26*						
	BGM1030	South Lee Highway Final Completion - 60 Days after Substantial + 8 Work Days (13 Calendar Days)- 11/10/26	0		22-Dec-26*	-43													◆ 22-Dec-26*						
	BGM1040	Phase 2 Substantial Completion - 810 Days after Mobilization + 8 Work Days (13 Calendar Days) - 4/9/27	0		18-Jan-27*	80													◆ 18-Jan-27*						
	E19999	Phase 2 Final Completion - 60 Days after Substantial + 8 Work Days (13 Calendar Days) - 6/8/27	0		19-Mar-27*	80													◆ 19-Mar-27*						
Owner Deliverables																									
OWNER	OWN1056	Owner Acquire Permanent Access / Easements - SLEQ Tank Site City Church	181	08-Aug-24 A	24-Mar-26	32													24-Mar-26						
Phase 1 (Preconstruction Phase)																									
Phase 2 (Final Design & Construction Phase)																									
Construction																									
South Lee Highway EQ Station																									
South Lee EQ - West Site																									
West Site Work & Retaining Walls																									
B&G	LEE1350	Fine Grade, Base, & Concrete Paving & Sidewalks / Pads / Steps	20	11-May-26	16-Jun-26	0													11-May-26 16-Jun-26						
LAWSON	LEE10190	Install Light Poles and Fixtures	5	20-May-26	27-May-26	30													20-May-26 27-May-26						
B&G	LEE1355	Fine Grade Site & Topsoil	10	18-Jun-26	08-Jul-26	0													18-Jun-26 08-Jul-26						
LU	LEE1357	Permanent Fence & Gates	10	10-Jul-26	28-Jul-26	0													10-Jul-26 28-Jul-26						
ES	LEE1360	Final Grassing - West Site	10	29-Jul-26	14-Aug-26	0													29-Jul-26 14-Aug-26						
Pump Station & Diversion Structure																									
Civil																									
B&G	LEE9700	Finish Backfill Pump Station Site- South Lee Highway Pump Station & Diversion Structure - West Site Pink	3	18-Mar-26 A	30-Mar-26	-6	18-Mar-26 A												30-Mar-26						
B&G	LEE9830	Finish Backfill Pump Station Site- South Lee Highway Pump Station & Diversion Structure - West Site Green	3	27-Mar-26	01-Apr-26	-6	27-Mar-26												01-Apr-26						
Structural																									
PAINT	LEE2150	Painting & Coatings - South Lee Highway Pump Station & Diversion Structure - West Site	15	02-Mar-26 A	30-Mar-26	18	02-Mar-26 A												30-Mar-26						
B&G	LEE2490	Install Grating Supports - South Lee Highway Pump Station Valve Vault	5	29-Apr-26	08-May-26	45	29-Apr-26												08-May-26						
	LEE9960	Pour Grout Inverts - South Lee Highway Pump Station	5	03-Jun-26	10-Jun-26	18	03-Jun-26												10-Jun-26						
Process Mechanical																									
B&G	LEE2450	Valve Vault Piping / Valves - South Lee Highway Pump Station & Diversion Structure - West Site	15	01-Apr-26	28-Apr-26	18	01-Apr-26												28-Apr-26						
B&G	LEE9940	Pump Base, Discharge Pipe, & Guiderail Installation - South Lee Highway Pump Station - West Site	5	29-Apr-26	08-May-26	18	29-Apr-26												08-May-26						

Record of Climatological Observations

These data are quality controlled and may not be identical to the original observations.

Current Location: Elev: 669 ft. Lat: 35.0336° N Lon: 85.2004° W
 Station: **CHATTANOOGA AIRPORT, TN US USW00013882**

Generated on 04/14/2026

Observation Time Temperature: Unknown Observation Time Precipitation: 2400

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"						
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth			
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag				Snow, Ice Pellets, Hail, Ice on Ground (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2026	03	01	79	41		0.00		0.0		0.0									
2026	03	02	69	49		0.00	T			0.0									
2026	03	03	67	53		0.00				0.0									
2026	03	04	76	55		0.00				0.0									
2026	03	05	81	53		0.02				0.0									
2026	03	06	83	53		0.00				0.0									
2026	03	07	79	57		0.24				0.0									
2026	03	08	70	56		0.00	T			0.0									
2026	03	09	79	52		0.45				0.0									
2026	03	10	78	60		0.09				0.0									
2026	03	11	81	62		0.58				0.0									
2026	03	12	62	39		0.94				0.0									
2026	03	13	70	33		0.00				0.0									
2026	03	14	77	41		0.00				0.0									
2026	03	15	76	47		0.00				0.0									
2026	03	16	69	32		0.96		T		0.0									
2026	03	17	45	27		0.00				0.0									
2026	03	18	52	32		0.00	T			0.0									
2026	03	19	72	34		0.00				0.0									
2026	03	20	80	40		0.00				0.0									
2026	03	21	87	54		0.00				0.0									
2026	03	22	87	61		0.00				0.0									
2026	03	23	74	51		0.00				0.0									
2026	03	24	72	48		0.00				0.0									
2026	03	25	70	52		0.00				0.0									
2026	03	26	81	51		0.00				0.0									
2026	03	27	81	51		0.00	T			0.0									
2026	03	28	63	40		0.00				0.0									
2026	03	29	70	36		0.00				0.0									
2026	03	30	73	60		0.00				0.0									
2026	03	31	83	61		0.00				0.0									
Summary			74	48		3.28		0.0											

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCEI's quality control tests. "At Obs." = Temperature at time of observation

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.



e2i2 Weather Tracking

Allowable Adverse Weather Calendar Days	Allowable Adverse Weather Work Days	Month	2025			2026			2027		
			Actual Work Inclement Days	Excess Inclement Weather Work Days	Notes	Actual Work Inclement Days	Excess Inclement Weather Work Days	Notes	Actual Work Inclement Days	Excess Inclement Weather Work Days	Notes
7	5	January	4	0		3	0				
9	6	February	3	0		4	0				
9	7	March	4	0		6	0				
8	6	April	8	2			0				
7	5	May	11	6			0				
9	7	June	6	0			0				
8	5	July	3	0			0				
8	6	August	4	0			0				
4	3	September	3	0			0				
6	4	October	5	1			0				
6	4	November	4	0			0				
8	5	December	5	0			0				
89	63	Totals	60	9		13	0		0	0	

	A - Total Number of Excess Inclement Weather Days	9
	B - Total Number of Days Applied To Date	8
	C - Total Number of Outstanding Rain Days (A-B)	1

Applied Days

e2i2 Detailed Weather Tracking Log		
Date	Precipitation (in)	Comments
3/1/2025	0	
3/2/2025	0	
3/3/2025	0	
3/4/2025	0	
3/5/2025	0	
3/6/2025	0	
3/7/2025	0.24	Rain
3/8/2025	0	
3/9/2025	0.45	Rain
3/10/2025	0.9	Rain
3/11/2025	0.58	Rain
3/12/2025	0.94	Rain
3/13/2025	0	
3/14/2025	0	
3/15/2025	0	
3/16/2025	0.96	Rain
3/17/2025	0	
3/18/2025	0	
3/19/2025	0	
3/20/2025	0	
3/21/2025	0	
3/22/2025	0	
3/23/2025	0	
3/24/2025	0	
3/25/2025	0	
3/26/2025	0	
3/27/2025	0	
3/28/2025	0	
3/29/2025	0	
3/30/2025	0	
3/31/2025	0	

7 Allowable Adverse Weather Work Days
6 # of Actual Adverse Weather Work Days
0 Additional Adverse Weather Work Days

Adverse Weather Day Conditions

1. Precipitation (rain, snow, or ice) in excess of 0.1".
 Precipitation > 0.10"



CITY OF CHATTANOOGA
WASTEWATER DEPARTMENT

455 Moccasin Bend Road
Chattanooga, TN 37405

OWNER CONTINGENCY CHANGE REQUEST FORM (CRF) LOG

<u>Contract No.:</u>	W-20-001-201	<u>Owner's Agent :</u>	Jacobs / Justin Bolender
<u>Project Name:</u>	e2i2 SSO Abatement Program Phase 1 - South Lee Hwy and West Chickamauga	<u>Program Manager:</u>	
<u>PPM No.:</u>	C10495	<u>Design Builder :</u>	Brasfield & Gorrie
		<u>PO No.:</u>	PUR132518

CRF #	Brief Description	Release Date	Contractor Return Date	OC Cost (A)	Owner Contingency Amount Remaining	Pay App Item 6200 Ph 2 Ins & Bonds (B)	Pay App Item 6400 DB General Conditions (C)	Pay App Item 6500 DB Fee (D)	Total CRF Cost (A+B+C+D)	Approved Total CRF Cost	Approved Date
	ORIGINAL OWNER CONTINGENCY AMOUNT				\$ 4,521,887.00						
0	Phase 1 CO 6 - Delete COR 27 Pavement Evaluation	12/5/2024	12/5/2024	\$ (12,571.00)	\$ 4,534,458.00		\$ (1,257.00)	\$ (1,194.00)	\$ (15,022.00)	\$ (15,022.00)	12/6/2024
1	OC 1 Add Design I-75 Construction Access to WCEQ Site	12/9/2024	12/9/2024	\$ 19,260.00	\$ 4,515,198.00	\$ 539.00	\$ 1,980.00	\$ 1,881.00	\$ 23,660.00	\$ 23,660.00	2/19/2025
2	OC 2 Update NLH Cultural Resource Rpt for Rev NLH Alignment	12/9/2024	12/9/2024	\$ 3,091.00	\$ 4,512,107.00	\$ 87.00	\$ 318.00	\$ 302.00	\$ 3,798.00	\$ 3,798.00	2/19/2025
3	OC 3 Revise NLH Alignment & Easement Exhibits	12/9/2024	12/9/2024	\$ 25,466.00	\$ 4,486,641.00	\$ 713.00	\$ 2,618.00	\$ 2,487.00	\$ 31,284.00	\$ 31,284.00	2/19/2025
4	OC 4 Redesign SLEQ McCutcheon Rd Pond Grading	12/9/2024	12/9/2024	\$ 23,070.00	\$ 4,463,571.00	\$ 646.00	\$ 2,372.00	\$ 2,253.00	\$ 28,341.00	\$ 28,341.00	2/19/2025
5	OC 5 NLH ROW Deed Research & WCEQ Plat Correction	12/9/2024	12/9/2024	\$ 9,577.00	\$ 4,453,994.00	\$ 268.00	\$ 985.00	\$ 935.00	\$ 11,765.00	\$ 11,765.00	2/19/2025
6	OC 6 Add HDPE Lined Sanitary Manholes & Rainstopper Inserts	3/17/2025	3/17/2025	\$ 455,472.00	\$ 3,998,522.00	\$ 12,753.00	\$ 46,823.00	\$ 44,481.00	\$ 559,529.00	\$ 559,529.00	5/12/2025
7	OC 7 Add VBIO Polyethylene Encasement for DIP	3/17/2025	3/17/2025	\$ 76,523.00	\$ 3,921,999.00	\$ 2,143.00	\$ 7,867.00	\$ 7,473.00	\$ 94,006.00	\$ 94,006.00	5/12/2025
8	OC 8 Hazardous Material Abatement, Demolition and Disposal	5/15/2025	5/15/2025	\$ 18,610.00	\$ 3,903,389.00	\$ 521.00	\$ 1,913.00	\$ 1,817.00	\$ 22,861.00	\$ 22,861.00	6/2/2025
9	OC 9 Time Lapse Camera Installation & EarthCam Service	5/15/2025	5/15/2025	\$ 13,590.00	\$ 3,889,799.00	\$ 381.00	\$ 1,397.00	\$ 1,327.00	\$ 16,695.00	\$ 16,695.00	6/2/2025
10	OC 10 Design SLEQ East & WCEQ TAW Water Main Extns	8/26/2025	9/5/2025	\$ 9,202.00	\$ 3,880,597.00	\$ 258.00	\$ 946.00	\$ 899.00	\$ 11,305.00	\$ 11,305.00	10/2/2025
11	OC 11 Church of God Easement Documents	8/26/2025	9/5/2025	\$ 3,638.00	\$ 3,876,959.00	\$ 102.00	\$ 374.00	\$ 355.00	\$ 4,469.00	\$ 4,469.00	10/2/2025
12	OC 12 Revise SLH Relief Sewer Alignment	8/26/2025	9/5/2025	\$ 171,004.00	\$ 3,705,955.00	\$ 4,788.00	\$ 17,579.00	\$ 16,700.00	\$ 210,071.00	\$ 210,071.00	10/2/2025
13	OC 13 Redesign SLEQ East Site Permanent Access	8/26/2025	9/5/2025	\$ 83,126.00	\$ 3,622,829.00	\$ 2,328.00	\$ 8,545.00	\$ 8,118.00	\$ 102,117.00	\$ 102,117.00	10/2/2025
14	OC 14 Revise NLH Relief Sewer Alignment	8/26/2025	9/5/2025	\$ 469,173.00	\$ 3,153,656.00	\$ 13,137.00	\$ 48,231.00	\$ 45,819.00	\$ 576,360.00	\$ 576,360.00	10/2/2025
15	OC 15 McCutcheon Stormwater Pond Cleaning	8/26/2025	9/5/2025	\$ 342,270.00	\$ 2,811,386.00	\$ 9,584.00	\$ 35,185.00	\$ 33,426.00	\$ 420,465.00	\$ 420,465.00	10/2/2025
16	OC 16 WCEQ Tank Fndn & Base Slab Design Optimization	8/26/2025	9/5/2025	\$ (1,652,589.00)	\$ 4,463,975.00	\$ (46,272.00)	\$ (169,886.00)	\$ (161,392.00)	\$ (2,030,139.00)	\$ (2,030,139.00)	10/2/2025
17	OC 17 Lee Hwy Church of God Retracement Survey	12/17/2025	12/17/2025	\$ 8,025.00	\$ 4,455,950.00	\$ 225.00	\$ 825.00	\$ 784.00	\$ 9,859.00	\$ 9,859.00	
18	OC 18 HomeServe Driveway Entrance Design	12/17/2025	12/17/2025	\$ 23,540.00	\$ 4,432,410.00	\$ 659.00	\$ 2,420.00	\$ 2,299.00	\$ 28,918.00	\$ 28,918.00	
19											
	TOTALS			\$ 89,477.00	\$ 4,432,410.00	\$ 2,860.00	\$ 9,235.00	\$ 8,770.00	\$ 110,342.00	\$ 110,342.00	

Design-Builder Contingency Log
e2i2 SSO Abatement Program Phase 1 - South Lee Hwy and West Chickamauga EQ Stations
Owner Contract No. W-20-001-201

Design-Builder Contingency Item	GS COR #	Action/Description of Change	ORIGINATION		
			Design-Builder Contingency Amount Notice Provided to City - Jacobs	Design-Builder Contingency Amount Notified	Total DBC Amount including Ins & Bonds, GCs & Fee for Total DBC CRF Cost
		Original Phase 2 Design-Builder Contingency		\$4,710,459	
DBC-1	32	Revise the WCEQ Greenway Access Road Design & Drainage for 15' No-Cut Zone and Add Trench Details for Levee Utility Crossings	12/9/24	\$15,515	\$19,059
DBC-2	36	Perform Scour Analysis and Report per TDOT Request for Greenway Lowering Permit Approval	11/18/24 & 12/9/24	\$17,120	\$21,031
DBC-3	37	Design revisions to incorporate the Sewer Hydraulic Model final results and recommendations	5/29/25	\$12,919	\$15,871
DBC-4	39	On-Call Surveying During Construction	8/25/25 12/18/25	\$32,100	\$39,434
DBC-5	40	Addnl RPR Services for 2024 WCEQ Enabling Work	5/29/25	\$4,762	\$5,850
DBC-6	46	Additional LDO Permit Preparation, Submittals, Support for NLH Tree Clearing and 6 Building Permits	5/29/25	\$5,618	\$6,902
DBC-7	47	Perform Structural Evaluation of SLEQ Diversion & Pump Station and WCEQ Pump Station to Determine Acceptable Water Elevation for Hydraulic "Insurance" Leak Test Before Concrete Roof Slab is Constructed	5/29/25	\$1,750	\$2,150
DBC-8	48	Additional Crayfish Sweep & Agency Coordination for SLEQ Tree Clearing on Wysong Property	8/26/25	\$4,815	\$5,915
DBC-9	44	7 Field Trips to Perform As-Built Survey of Buried Utilities (using B&G installed PVC Standpipes)	8/26/25	\$14,445	\$17,745
DBC-10	49	Phase 1 ESA for City Church Property for SLEQ East Site Access	10/30/25	\$3,745	\$4,601
		DC Contingency Total Used To Date		\$112,789	
		Current DB Contingency Subtotal		\$4,597,670	



Monthly Report - RFI's to Date

Closed RFI's to Date

RFIs

RFI #	Subject	Location	Status	Ball In Court	Due Date
84	Pump Station Valve Vault Float Switch Relocaiton		Closed		03/19/2026
82	FRP Tower Supports W14x22 change to W14x30		Closed		03/11/2026
83	Odor Control Structural Pad Control Joints		Closed		03/11/2026
81	Heat Trace & Insulation		Closed		03/06/2026
80	WCEQ West Tank Odor Control FRP Middle Tower Support Removal	WCEQ Station	Closed		02/26/2026
79	WCEQ Pump Station Discharge Valve Vault Trench		Closed		02/16/2026
78	Discontinued Specified Pump and Proposed Alternate		Closed		02/06/2026
75	SLEQ and WCEQ Outdoor HVAC Unit Equipment Pads		Closed		01/29/2026
76	Comment 42 of e2i2 - Confirmation of 90% Comments in 100% Plans		Closed		01/29/2026
77	Cast in Place Anti-Flotation ring design for prefabricated vaults and manholes	WCEQ Station	Closed		01/29/2026
74	Updated I/O List		Closed		01/28/2026
73	Pump Stands Deletion		Closed		01/27/2026
72	Stilling Well Perforations		Closed		01/26/2026
71	SLEQ and WCEQ Outdoor HVAC Unit Equipment Pad Elevations		Closed		01/23/2026
69	Standard Odor Control Pad Layout		Closed		01/19/2026
70	WC Pump Station Air Intake Change		Closed		01/19/2026
66	Pipe Trench Check Dams		Closed		01/06/2026
67	WCEQ 4 Inch Dismantling Joint	WCEQ Station	Closed		01/06/2026
65	I/O List Tag ID Discrepancies		Closed		12/22/2025
63	West Chickamauga Final Dome Layouts		Closed		12/19/2025
64	Backflow Preventer Hot Box Power Sources		Closed		12/19/2025
60	ATS Equipment Pad Elevation		Closed		12/05/2025
61	Input/Output Tag ID Correction		Closed		12/05/2025

RFI #	Subject	Location	Status	Ball In Court	Due Date
62	Electrical Building Temperature Monitoring		Closed		12/05/2025
59	SLEQ FM ARV Configuration		Closed		11/18/2025
58	WCEQ Pump Discharge Flow Meter Vault Clarifications	WCEQ Station	Closed		10/31/2025
56	WCEQ Pump Station Valve Vault Footing Elevation	WCEQ Station	Closed		10/29/2025
57	Ductbank Clearance below Electrical Building		Closed		10/29/2025
55	WCEQ 1-1/4" Condensate Pipe Routing	WCEQ Station	Closed		10/28/2025
54	Joint Sealants		Closed		10/24/2025
52	10 43 00 Emergency and Specialties		Closed		10/22/2025
53	WCEQ Pump Station Baffle Floor Opening Length		Closed		10/22/2025
51	South Lee Pump Station Electrical Rack Relocation	SLEQ Station	Closed		10/21/2025
50	SLEQ West Electrical Building Door Relocation	SLEQ Station	Closed		10/20/2025
49	Fire Rating for Electrical Buildings		Closed		10/17/2025
48	West Chickamauga EQ Station Drawing MP210		Closed		10/16/2025
47	SLEQ Revised Drawings		Closed		10/10/2025
45	WCEQ Electrical Building Slab Thickness		Closed		10/03/2025
46	SLEQ West Electrical Bldg DP-9301 Ductbank Conduit	SLEQ Station	Closed		10/03/2025
44	WCEQ Needed Coordinates	WCEQ Station	Closed		09/26/2025
43	SLEQ East Electrical Building Slab Control Joint	SLEQ Station	Closed		09/25/2025
42	RFI 038 WCEQ Discharge Flow Meter Vault Stairs	WCEQ Station	Closed		09/18/2025
39	SLEQ East Electrical Building Double Door Relocation	SLEQ Station	Closed		09/15/2025
41	Electrical Building Structural / Architectural Brick Ledge Drawing Difference	SLEQ Station	Closed		09/15/2025
37	Conduit Wall and Slab Penetrations		Closed		09/08/2025
36	SLEQ and WCEQ Pump Station ARV Wall Sleeve Layout		Closed		09/04/2025
35	Pump Station Header Pipe Detail Question		Closed		08/29/2025
34	South Lee Hwy Pump Station EQ Pump Conduit Routing	SLEQ Station	Closed		08/28/2025
33	WCEQ Supplemental Grading Sheets		Closed		08/15/2025

RFI #	Subject	Location	Status	Ball In Court	Due Date
31	WCEQ 24" Odor Control Ductile Iron Pipe Lining	WCEQ Station	Closed		08/13/2025
30	Motor Rated Switches for Flow Meters		Closed		08/12/2025
26	SLEQ East Electrical Building Air Gap		Closed		08/11/2025
27	SLEQ Pump Station Closure Retaining Wall		Closed		08/11/2025
28	Pipe Pressure Testing		Closed		08/11/2025
29	Fire Vault Continuous Footing Reinforcement		Closed		08/11/2025
25	WC Interceptor Sewer Actual Elevations		Closed		08/08/2025
24	WCEQ East EQ Tank Drain Pipe		Closed		07/31/2025
22	Vapor Barrier Install Location Clarification		Closed		07/21/2025
23	SLEQ Tank Flow Fill Slab & Curb Detail		Closed		07/21/2025
21	Hydrophilic Strip Waterstop		Closed		07/04/2025
20	SLEQ and WCEQ Electrical Building CMU Control Joint Layout		Closed		07/03/2025
19	WCEQ - Backflow Preventer Clarification	WCEQ Station	Closed		06/30/2025
18	Site CCTV Camera Locations		Closed		06/26/2025
16	WCEQ and SLEQ Elec Building Trap Primers		Closed		06/23/2025
17	Plug Valve Material Substitution		Closed		06/23/2025
15	West Chickamauga EQ Station Electrical Building Emergency Egress Lighting	WCEQ Station	Closed		06/13/2025
14	Generator Pad Details		Closed		06/12/2025
13	SLEQ and WCEQ Canopies	SLEQ Station	Closed		06/09/2025
12	SLEQ Pump Station Rebar and Hole Openings	SLEQ Station	Closed		06/05/2025
11	Tank Piping Drawing Discrepancies		Closed		06/02/2025
10	SLEQ and WCEQ Canopy Size	SLEQ Station	Closed		05/26/2025
9	WCEQ Prestressed Concrete Tank Clarifications		Closed		05/19/2025
5	SLEQ Submersible Level Transducer and Trench Conflict and SLEQ & WCEQ Trench Enlargement	SLEQ Station	Closed		05/14/2025
6	WCEQ and SLEQ Electrical Building Concrete Questions and Clarifications	WCEQ Station	Closed		05/14/2025
7	Pipe Trench Detail Clarifications		Closed		05/14/2025

RFI #	Subject	Location	Status	Ball In Court	Due Date
8	48" Wall Pipe Dimensional Clarification		Closed		05/14/2025
4	WCEQ and SLEQ Pump Station Footer and Rebar Detail Clarification		Closed		05/13/2025
3	WCEQ CARV Discharge Line	WCEQ Station	Closed		05/09/2025
2	WCEQ and SLEQ Electrical Building Architectural/Structural Questions and Clarifications	WCEQ Station	Closed		05/08/2025
1	SLEQ and WCEQ Rebar/Concrete Questions and Clarifications	WCEQ Station	Closed		04/22/2025

Monthly Report - Submittals to Date

Closed Submittals to Date

Submittals

Spec Section Number	Number	Title	Status	Date Returned By Approver
01 33 23	01 33 23 004	WCEQ Station I-75 Retaining Wall C2 - Delegated Design	Approved/No Exceptions	08/13/2025
01 33 23	01 33 23-001	SLEQ Permanent Retaining Walls	Approved as Noted / Exceptions Noted	04/18/2025
01 33 23	01 33 23-002	WCEQ Greenway Permanent Retaining Wall	Approved as Noted / Exceptions Noted	04/18/2025
01 33 23	01 33 23-003	Fire Service Vaults	Approved as Noted / Exceptions Noted	07/30/2025
01 32 33	01 33 23-005	SLEQ Pump Station Guardrail	Approved as Noted / Exceptions Noted	11/18/2025
01 58 00	01 58 00-001	Project Sign	Approved as Noted / Exceptions Noted	02/12/2025
03 30 00	03 30 00-001	Concrete Mix Designs	Approved as Noted / Exceptions Noted	04/24/2025
03 30 00	03 30 00-002	Pipe Encasement Reinforcing Steel	Approved as Noted / Exceptions Noted	04/17/2025
03 30 00	03 30 00-003	Concrete Accessories	Approved/No Exceptions	05/01/2025
03 30 00	03 30 00-004	SLEQ Pump Station Wet Well and Diversion Structure Base Slab Rebar	Approved as Noted / Exceptions Noted	05/12/2025
03 30 00	03 30 00-005	West Chickamauga EQ Station Flow Distribution Vault Rebar	Approved as Noted / Exceptions Noted	06/04/2025
03 30 00	03 30 00-006	West Chickamauga EQ Station Pump Station Base Slab Rebar	Approved as Noted / Exceptions Noted	08/26/2025
03 30 00	03 30 00-007	SLEQ Pump Station Wet Well and Diversion Structure Wall Rebar	Approved/No Exceptions	06/05/2025
03 30 00	03 30 00-008	SLEQ Electrical Building Foundation Rebar	Approved/No Exceptions	06/12/2025
03 30 00	03 30 00-009	Hydrophilic Strip Waterstop	Approved/No Exceptions	07/03/2025
03 30 00	03 30 00-010	WCEQ Diversion Structure Base Slab Rebar	Approved as Noted / Exceptions Noted	07/15/2025
03 30 00	03 30 00-011	West Chickamauga EQ Station Diversion Structure Wall Rebar	Approved/No Exceptions	08/12/2025



Spec Section Number	Number	Title	Status	Date Returned By Approver
03 30 00	03 30 00-012	5000 PSI Air-Entrained Concrete Mix Design Change	Approved/No Exceptions	07/24/2025
03 30 00	03 30 00-013	SLEQ Pump Station Elevated Slab, Valve Vault SOG/Walls, Electrical Building CMU Walls, and Odor Control Rebar	Approved/No Exceptions	08/04/2025
03 30 00	03 30 00-014	West Chickamauga Diversion Structure Elevated Slab Rebar	Approved as Noted / Exceptions Noted	10/30/2025
03 30 00	03 30 00-015	SLEQ Generator Pads and Pump Station Valve Vault Concrete Pipe Supports Rebar	Approved/No Exceptions	08/12/2025
03 30 00	03 30 00-016	Dayton Superior A58 Taper Tie Hole Plug	Revise & Resubmit	08/13/2025
03 30 00	03 30 00-017	800 PSI Flowable Fill Mix Design and Break Data	Approved as Noted / Exceptions Noted	08/13/2025
03 30 00	03 30 00-018	Sika X-Plug Taper Tie Hole Plug	Approved/No Exceptions	08/26/2025
03 30 00	03 30 00-019	SLEQ Pump Station Shoring and Wall Forms Signed and Sealed Drawings	For Record	08/26/2025
03 30 00	03 30 00-020	West Chickamauga Pump Station Wall Rebar	Approved as Noted / Exceptions Noted	09/16/2025
03 30 00	03 30 00-021	SLEQ and WCEQ Elec Building Concrete Pads & SLEQ Pump Station Retaining Wall Rebar	Approved/No Exceptions	10/08/2025
03 30 00	03 30 00-022	WCEQ Electrical Building CMU Rebar	Approved/No Exceptions	10/09/2025
03 30 00	03 30 00-023	WCEQ Pump Station Valve Vault and Baffle Wall Rebar	Approved as Noted / Exceptions Noted	11/10/2025
03 30 00	03 30 00-024	West Chickamauga Electrical Building Rebar	Approved as Noted / Exceptions Noted	10/07/2025
03 30 00	03 30 00-025	West Chickamauga Pump Station Elevated Slab Rebar	Approved as Noted / Exceptions Noted	11/18/2025
03 30 00	03 30 00-026	Concrete Crack Injection Material for Water Holding Structures	Approved as Noted / Exceptions Noted	11/18/2025
03 30 00	03 30 00-027	WCEQ Generator Pad Rebar	Approved/No Exceptions	11/18/2025
04 26 13	04 26 13-001	WCEQ and SLEQ Electrical Building Masonry Veneer, CMU Block and Dampproofing	Approved/No Exceptions	05/20/2025
05 31 00	05 31 00-001	Steel Deck Shop Drawings and Product Data	Approved/No Exceptions	03/18/2025
05 44 00	05 44 00-001	SLEQ and WCEQ Electrical Building Cold-Formed Metal Trusses	Approved/No Exceptions	07/14/2025
05 44 00	05 44 00-002	SLEQ and WCEQ Electrical Building Cold-Formed Metal Trusses Calculations	Approved/No Exceptions	07/03/2025
05 50 00	05 50 00-001	Pump Station and Diversion Structure Access Hatches	Approved/No Exceptions	04/17/2025
05 50 00	05 50 00-002	SLEQ and WCEQ Misc Metals	Approved as Noted / Exceptions	05/12/2025

Spec Section Number	Number	Title	Status	Date Returned By Approver
			Noted	
06 10 00	06 10 00-001	WCEQ and SLEQ Electrical Building Rough Carpentry and Below Grade Foundation Insulation	Approved/No Exceptions	05/27/2025
07 13 00	07 13 00-001	WCEQ and SLEQ Electrical Building Sheet Waterproofing	Approved/No Exceptions	08/14/2025
07 21 00	07 21 00-001	WCEQ and SLEQ Electrical Building Cavity Wall Insulation	Approved/No Exceptions	05/13/2025
07 41 13	07 41 13-001	WCEQ and SLEQ Electrical Building Metal Roofing	Approved/No Exceptions	10/09/2025
07 92 00	07 92 00-001	WCEQ and SLEQ Joint Sealants	Approved as Noted / Exceptions Noted	12/08/2025
08 16 13	08 16 13-001	Fiberglass Doors and Hardware Shop Drawings and Product Data	Approved as Noted / Exceptions Noted	04/15/2025
08 16 13	08 16 13-002	Revised Fiberglass Doors, Frames and Hardware	Approved as Noted / Exceptions Noted	07/31/2025
08 71 11	08 16 13-003	Fiberglass Door Cylinder Hardware	Approved as Noted / Exceptions Noted	10/03/2025
09 98 50	09 98 50-001	WCEQ and SLEQ Painting	Revise & Resubmit	05/23/2025
09 98 50	09 98 50-002	Painting and Interior Coatings	Approved/No Exceptions	06/20/2025
10 28 00	10 28 00-001	WCEQ and SLEQ Toilet Accessories, Fire Extinguishers, Mirrors and First Aid Accessories	Approved/No Exceptions	11/20/2025
10 73 16	10 73 16-001	WCEQ and SLEQ Electrical Building Canopies	Approved as Noted / Exceptions Noted	08/14/2025
22 07 00	22 07 00-001	WCEQ and SLEQ Cold and Hot Water Piping Insulation and Aluminum Jacketing	Approved/No Exceptions	11/20/2025
22 07 00	22 07 00-002	WCEQ and SLEQ HVAC Insulation and Jacketing	Approved/No Exceptions	12/17/2025
22 11 16	22 11 16-001	WCEQ and SLEQ Domestic Water Piping, Fixtures and Accessories	Approved/No Exceptions	05/23/2025
22 11 16	22 11 19-002	Domestic Water Piping Specialties, Plumbing Fixtures and Electric Domestic Water Heaters	Approved/No Exceptions	12/15/2025
22 13 16	22 13 16-001	WCEQ and SLEQ Under and Above Ground Sanitary and Vent Piping	Approved/No Exceptions	05/12/2025
23 05 00	23 05 00-001	HVAC Refrigerant, Condensation Piping and Hangers	Approved/No Exceptions	11/26/2025
23 81 23	23 81 23-001	WCEQ and SLEQ Precision Air Conditioners	Approved as Noted / Exceptions Noted	04/23/2025
23 81 23	23 81 23-002	SLEQ and WCEQ Liebert Precision AC Units	Approved/No Exceptions	03/25/2026
23 81 26	23 81 26-001	WCEQ and SLEQ Electrical Building Split System Air Conditioners	Approved as Noted / Exceptions Noted	05/23/2025

Spec Section Number	Number	Title	Status	Date Returned By Approver
23 81 26	23 81 26-002	SLEQ and WCEQ Electrical Building Split System Units O&M	Approved/No Exceptions	03/25/2026
23 82 39.19	23 82 39-001	WCEQ and SLEQ Wall Unit Heaters and Exhaust Fans	Approved as Noted / Exceptions Noted	07/07/2025
23 82 39.19	23 82 39.19-002	SLEQ and WCEQ Exhaust Fan & Unit Heaters O&M	Approved/No Exceptions	03/25/2026
26 05 19	26 05 19-001	Low-Voltage Power Conductors and Cables	Revise & Resubmit	09/18/2025
26 05 19	26 05 19-001	Low-Voltage Power Conductors and Cables Resubmittal	Approved/No Exceptions	01/21/2026
26 05 26	26 05 26-001	Product Data for Grounding and Bonding for Electrical Systems	Revise & Resubmit	10/15/2025
26 05 26	26 05 26-001	Grounding and Bonding for Electrical Systems Resubmittal	Approved as Noted / Exceptions Noted	11/25/2025
26 05 29	26 05 29-001	Hangers and Supports for Electrical Systems	Approved as Noted / Exceptions Noted	09/18/2025
26 05 43	26 05 43-001	Underground Ducts and Raceways for Electrical Systems	Approved as Noted / Exceptions Noted	06/05/2025
26 05 43	26 05 43-002	Handholes	Approved/No Exceptions	08/21/2025
26 09 23	26 09 23-001	Lighting Contactors and Disconnects	Revise & Resubmit	10/27/2025
26 09 23	26 09 23-001	Lighting Contactors Resubmittal	Approved as Noted / Exceptions Noted	12/15/2025
26 24 16	26 24 16-001	South Lee Hwy East Electrical Building Main Distribution Panel	Revise & Resubmit	09/04/2025
26 24 16	26 24 16-001	Main Distribution Panel SLEQ East Elec. Building Updated Submittal	Approved as Noted / Exceptions Noted	09/19/2025
26 24 16	26 24 16-003	Panelboards and Transformers	Approved as Noted / Exceptions Noted	09/08/2025
26 24 19	26 24 19-001	Motor Control Centers	Approved as Noted / Exceptions Noted	04/02/2025
26 24 19	26 24 19-002	Motor Control Centers	Approved as Noted / Exceptions Noted	07/07/2025
26 27 26	26 27 26-001	Wiring Devices	Approved as Noted / Exceptions Noted	10/24/2025
26 28 16	26 28 16-001	Electrical Disconnects Resubmittal	Approved as Noted / Exceptions Noted	12/05/2025
26 29 23	26 29 23-001	Variable Frequency Drives	Revise & Resubmit	05/12/2025

Spec Section Number	Number	Title	Status	Date Returned By Approver
26 29 23	26 29 23-001A	Variable Frequency Drives Resubmittal	Approved as Noted / Exceptions Noted	07/24/2025
26 32 13	26 32 13-001	South Lee EQ Station 600 kW Custom Generator Enclosure	Approved as Noted / Exceptions Noted	02/25/2025
26 32 13	26 32 13-002	South Lee EQ Pump Station 600 kW Generator and Automatic Transfer Switch	Approved as Noted / Exceptions Noted	03/14/2025
26 32 13	26 32 13-002	600kW Generator and 800A ATS Resubmittal for Record	Approved/No Exceptions	08/11/2025
26 32 13	26 32 13-003	South Lee EQ Station 100kW Generator and Transfer Switch	Approved as Noted / Exceptions Noted	03/17/2025
26 32 13	26 32 13-003A	100kW Generator and 400A ATS Resubmittal for Record	Approved as Noted / Exceptions Noted	08/12/2025
26 32 13	26 32 13-004	800 kW Generator and Custom Enclosure	Approved as Noted / Exceptions Noted	04/16/2025
26 32 13	26 32 13-006	600 kW Generator O&M Manual	Approved/No Exceptions	03/18/2026
26 32 13	26 32 13-007	800kW Generator O&M Manual	Approved/No Exceptions	03/18/2026
26 36 00	26 36 00-001	1200A Automatic Transfer Switch	Approved as Noted / Exceptions Noted	04/21/2025
26 41 13	26 41 13-001	Lightning Protection for Structures UPDATED	Revise & Resubmit	03/04/2026
26 51 00	26 51 00-001	Interior and Exterior Lighting	Revise & Resubmit	12/15/2025
26 51 00	26 51 00-001	Interior and Exterior Lighting Resubmittal	Approved as Noted / Exceptions Noted	01/07/2026
28 46 21.11	28 46 21.11-001	Addressable Fire-Alarm Systems	Revise & Resubmit	01/06/2026
31 23 00	31 23 00-001	Aggregate Gradation and Filter Fabric	Approved/No Exceptions	05/09/2025
32 11 23	32 11 23-001	Crushed Aggregate Base	Approved/No Exceptions	04/18/2025
32 12 16	32 12 16-001	Asphalt Paving	Approved/No Exceptions	03/19/2026
32 13 13	32 13 13-001	SLEQ Concrete Paving	Approved/No Exceptions	12/18/2025
32 31 26	32 31 26 -002	32 31 26 002 Resubmittal	Approved/No Exceptions	05/27/2025
32 31 26	32 31 26-001	Permanent Fencing and Gates	Revise & Resubmit	03/14/2025
33 01 30.73	33 01 30.73-001	Shop Drawings for Cured-In-Place Pipe	Revise & Resubmit	05/27/2025

Spec Section Number	Number	Title	Status	Date Returned By Approver
33 01 30.73	33 01 30.73-002	Shop Drawings for Cured-In-Place Pipe	Approved/No Exceptions	08/20/2025
33 01 30.73	33 01 30.73.003	Cured in Place Pipe	Approved as Noted / Exceptions Noted	08/25/2025
33 05 23.06	33 05 23.06-001	Product Data for Boring and Casing for Utility Lines	Approved as Noted / Exceptions Noted	
33 11 00	33 11 00-001	Product Data for Water Utility Distribution Piping	Approved/No Exceptions	03/04/2025
33 12 17	33 12 17-001	Product Data for Valves and Hydrants	Approved as Noted / Exceptions Noted	08/08/2025
33 31 13	33 31 13.001	WCEQ 10inch, 24inch & 30" Drain Yard Pipe	Approved as Noted / Exceptions Noted	04/14/2025
33 34 00	33 34 00-002	South Lee EQ Station 24-Inch FM & 18-Inch TDR Yard Pipe	Approved as Noted / Exceptions Noted	04/04/2025
33 34 00	33 34 00-003	WCEQ 24-inch FM, 60-inch & 48-inch Sewer Yard Pipe	Approved as Noted / Exceptions Noted	04/14/2025
33 36 32	33 36 32-001	West Chick - Crom Tank Shop Drawings and Qualifications	Revise & Resubmit	05/12/2025
33 36 32	33 36 32-001	West Chick - Crom Tank Shop Drawings and Qualifications	For Record	07/24/2025
33 36 32	33 36 32-002	SLEQ Prestressed Concrete Tank	Revise & Resubmit	05/23/2025
33 36 32	33 36 32-002	SLEQ Prestressed Concrete Tank	Approved as Noted / Exceptions Noted	10/29/2025
33 36 32	33 36 32-005	Alternative Pre-Stressed Concrete Tank Floor Mix Design	For Record	07/25/2025
33 39 13	33 39 13-001	Shop Drawings for Manholes	Approved/No Exceptions	05/07/2025
33 39 13	33 39 13-004	South Lee Hwy Conveyance MH Invert Coatings	Approved/No Exceptions	11/12/2025
33 40 00	33 40 00-001	Storm Drainage Utilities	Approved/No Exceptions	03/07/2025
40 05 23.33	40 05 23.33-001	Product Data and Shop Drawings for Process Check Valves	Approved as Noted / Exceptions Noted	02/24/2025
40 05 23.33	40 05 23.33-002	Product Data/ Shop Drawings - ARV & Plug Valves	Approved as Noted / Exceptions Noted	03/11/2025
40 05 23.33	40 05 23.33-005	Valve Tags	Approved as Noted / Exceptions Noted	12/17/2025
40 23 00	40 23 00-001	Product Data for Process Piping and Accessories	Approved as Noted / Exceptions Noted	03/28/2025

Spec Section Number	Number	Title	Status	Date Returned By Approver
40 23 00	40 23 00-002	Process Piping Wall Sleeves and Link Seals	Approved as Noted / Exceptions Noted	04/17/2025
40 23 00	40 23 00-003	DIP Product Data	Approved/No Exceptions	01/07/2026
40 23 00	40 23 00-004	DIP - 4" Irrigation, 6" Fire, 6" Sewer Line at WC	Approved as Noted / Exceptions Noted	04/18/2025
40 23 00	40 23 00-005	SLEQ and WCEQ Dismantling Joints, Tapping Sleeves/Saddles and Pipe Supports	Approved as Noted / Exceptions Noted	06/05/2025
40 23 00	40 23 00-008	S&S Pipe Support Drawings and Calculations	Approved/No Exceptions	03/25/2026
40 61 96	40 61 96-001	PLC/RTU Submittal	Revise & Resubmit	12/17/2025
40 71 00	40 71 00-001	Product Data for Electromagnetic Flow Meters	Approved as Noted / Exceptions Noted	07/10/2025
40 72 00	40 72 00-001	Product Data for Float Switches	Approved as Noted / Exceptions Noted	06/25/2025
40 72 00	40 72 00-002	Submersible Pressure Transducers for Level Measurement	Revise & Resubmit	06/26/2025
40 72 00	40 72 00-002	Submersible Pressure Transducer Resubmittal	Approved as Noted / Exceptions Noted	10/15/2025
40 72 00	40 72 00-002	Submersible Pressure Transducer BD300 Display Resubmittal	Approved/No Exceptions	11/24/2025
40 72 00	40 72 00-003	Rosemount Radar Level Sensors	Approved as Noted / Exceptions Noted	09/15/2025
40 72 00	40 72 00-004	Vega Radar Level Sensors	Revise & Resubmit	09/15/2025
40 72 00	40 72 00-004	Vega Radar Level Sensors Resubmittal	Approved/No Exceptions	03/10/2026
40 72 00	40 72 00-005	Local Display Enclosure Substitution	Approved/No Exceptions	03/26/2026
40 73 00	40 73 00-001	Pressure Transmitters	Approved as Noted / Exceptions Noted	12/31/2025
40 73 00	40 73 00-002	Pressure Gauges	Approved as Noted / Exceptions Noted	01/23/2026
40 74 00	40 74 00-001	Temperature and Humidity Measurement Instruments	Approved as Noted / Exceptions Noted	10/07/2025
44 31 16	44 31 16-002	Product Data and Shop Drawings for Odor Control Equipment - South Lee Only	Approved as Noted / Exceptions Noted	12/18/2025
44 42 00	44 42 00-001	Shop Drawings, Product Data, Engineering Calculations for Hydraulic Gates and Aluminum Stop Logs	Revise & Resubmit	03/14/2025

Spec Section Number	Number	Title	Status	Date Returned By Approver
44 42 00	44 42 00-001	Slide Gates and Stop Logs	Approved as Noted / Exceptions Noted	04/14/2025
44 42 56.01	44 42 56.01-001	Product Data for Submersible Wastewater Pumps	Approved as Noted / Exceptions Noted	02/24/2025
23 31 16	233116-001	FRP Expansion Joints	Approved as Noted / Exceptions Noted	02/23/2026
33 01 30.83	330130.83-002	33 01 30.83 002 Subsurface Manhole Rehabilitation	Approved as Noted / Exceptions Noted	09/03/2025
33 05 23.06	330523.06	33 05 23.06-002 - Bore and Casing - Grout Mix	Approved/No Exceptions	10/13/2025
33 36 32	333632-001	West Chick - Crom Tank Shop Drawings and Qualifications	Approved as Noted / Exceptions Noted	10/29/2025
33 36 32	333662-003	Tank Concrete Mix Design	For Record	07/25/2025
33 36 32	333662-004	SLEQ Tank Concrete Mix Design	For Record	07/25/2025
33 39 13	333913	SLH & NLH Conveyance Manhole Submittal by JDS	Approved as Noted / Exceptions Noted	05/09/2025
40 05 23.33	400523.33-003	Air Relief Valves	Approved as Noted / Exceptions Noted	05/28/2025
40 23 00	402300-007	WCEQ Pump Station Flanged DIP	Approved/No Exceptions	03/18/2026
44 31 16	443116-001	Odor Control Fan & Motor	Approved as Noted / Exceptions Noted	09/10/2025
44 31 16	443116-005	Odor Control Equipment Electrical & Control Panel	Approved as Noted / Exceptions Noted	02/19/2026
44 31 16	443116.01-003	Product Data and Shop Drawings for Odor Control Equipment - West Chickamauga Only	Approved as Noted / Exceptions Noted	12/19/2025
44 42 56.01	444256.01-002	South Lee Submersible Pump Factory Testing	Approved/No Exceptions	05/21/2025
44 42 56.01	444256.01-003	Drain Pump Factory Tests	Approved/No Exceptions	10/15/2025
44 42 56.01	444256.01-004	West Chickamauga Submersible Pump Factory Testing	Approved/No Exceptions	07/18/2025
44 42 56.01	444256.01-005	Pump Monitoring Panels	Approved as Noted / Exceptions Noted	01/26/2026
33 39 13	444256.01-006	Sanitary Sewer Manholes & Prefabricated Vaults(Anti-Flotation Calculations)	Approved/No Exceptions	10/02/2025
44 42 56.01	444256.01-006	Pump Monitoring Panel ATS	Approved/No Exceptions	02/11/2026

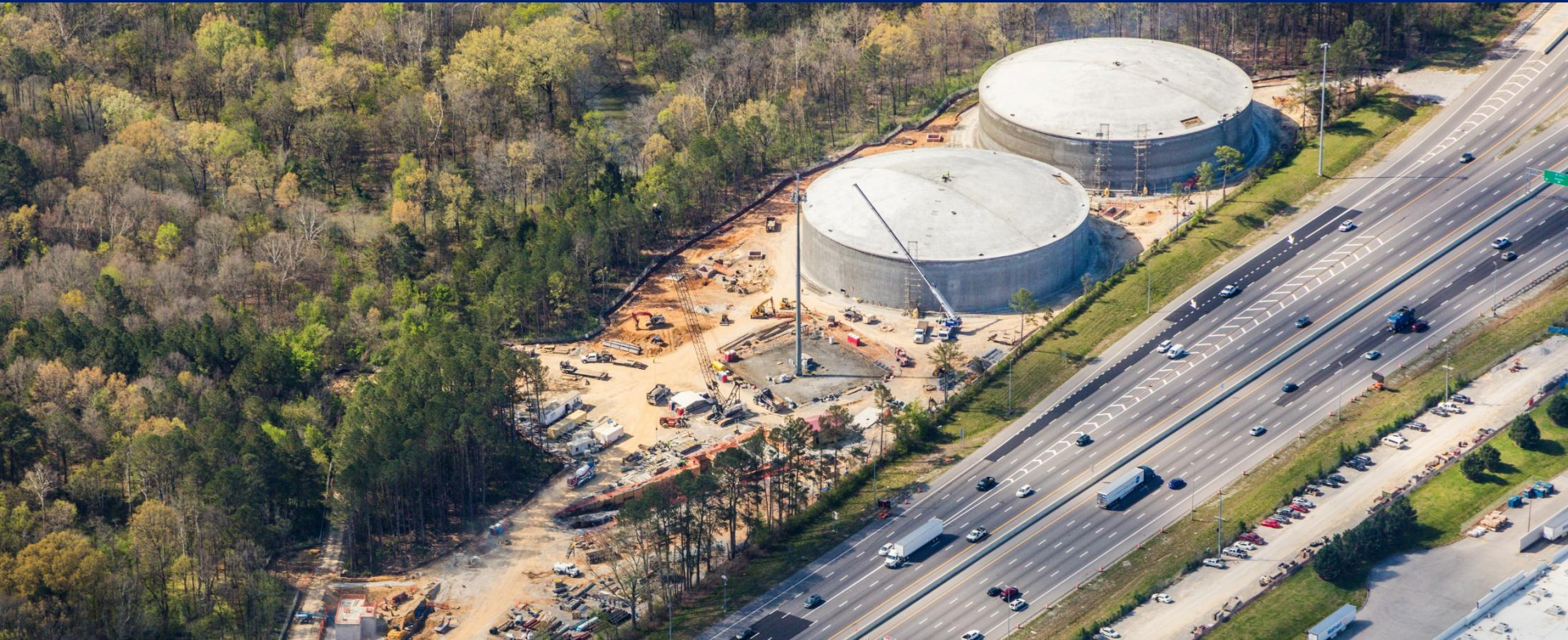
e2i2 Monthly Progress Update

March 2026



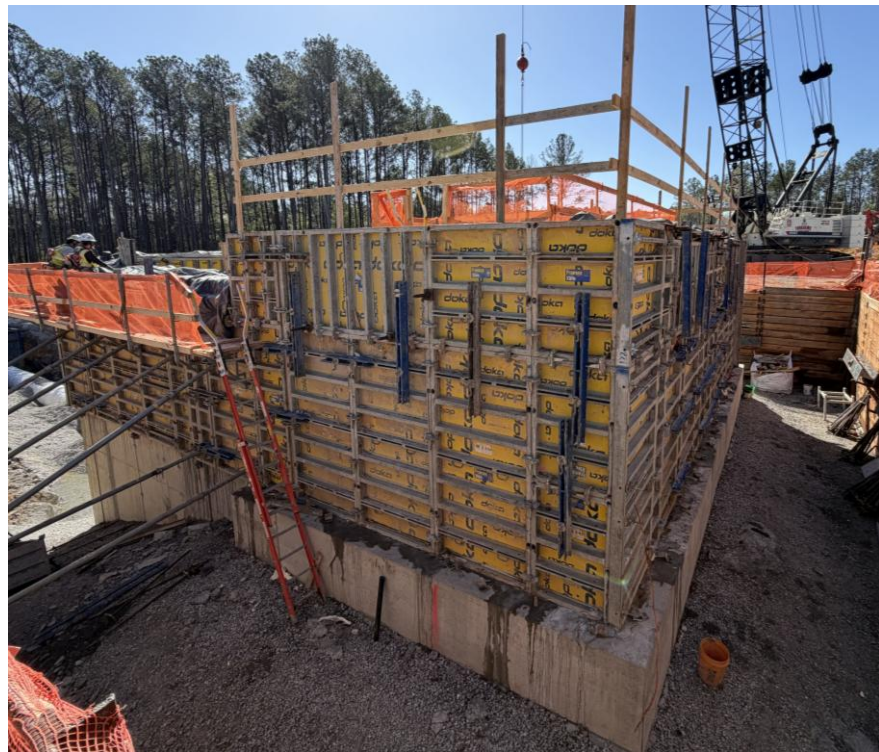
West Chickamauga EQ Station

March 2026



WCEQ Wet Well and Valve Vault Walls

March 2026



WCEQ 48" Gravity Line

March 2026



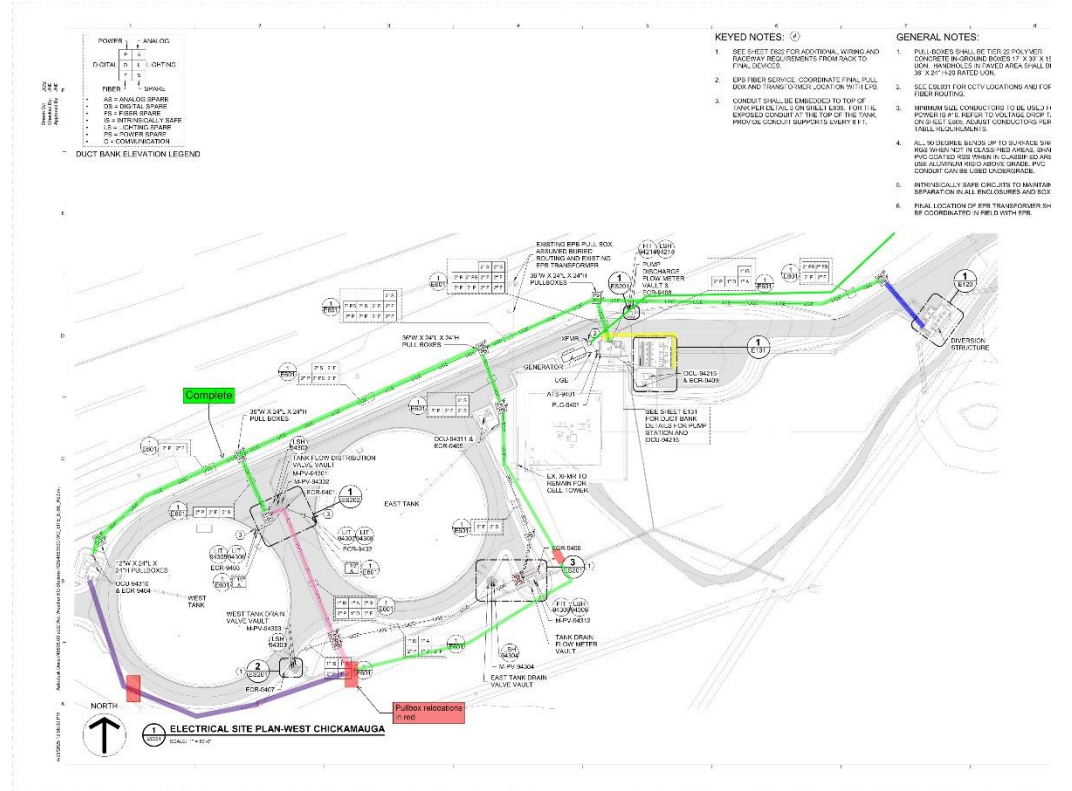
West Chickamauga EQ Tanks

March 2026



WCEQ Site Duct Bank

March 2026



West Chickamauga Electrical Building

March 2026



South Lee Hwy Pump Station

March 2026



SLEQ Pump Station Valve Vault Walls

March 2026



SLEQ West Electrical Building

March 2026



SLEQ Pump Station Site Ductbank

March 2026



SLEQ 24" FM Install – Pump Station

March 2026



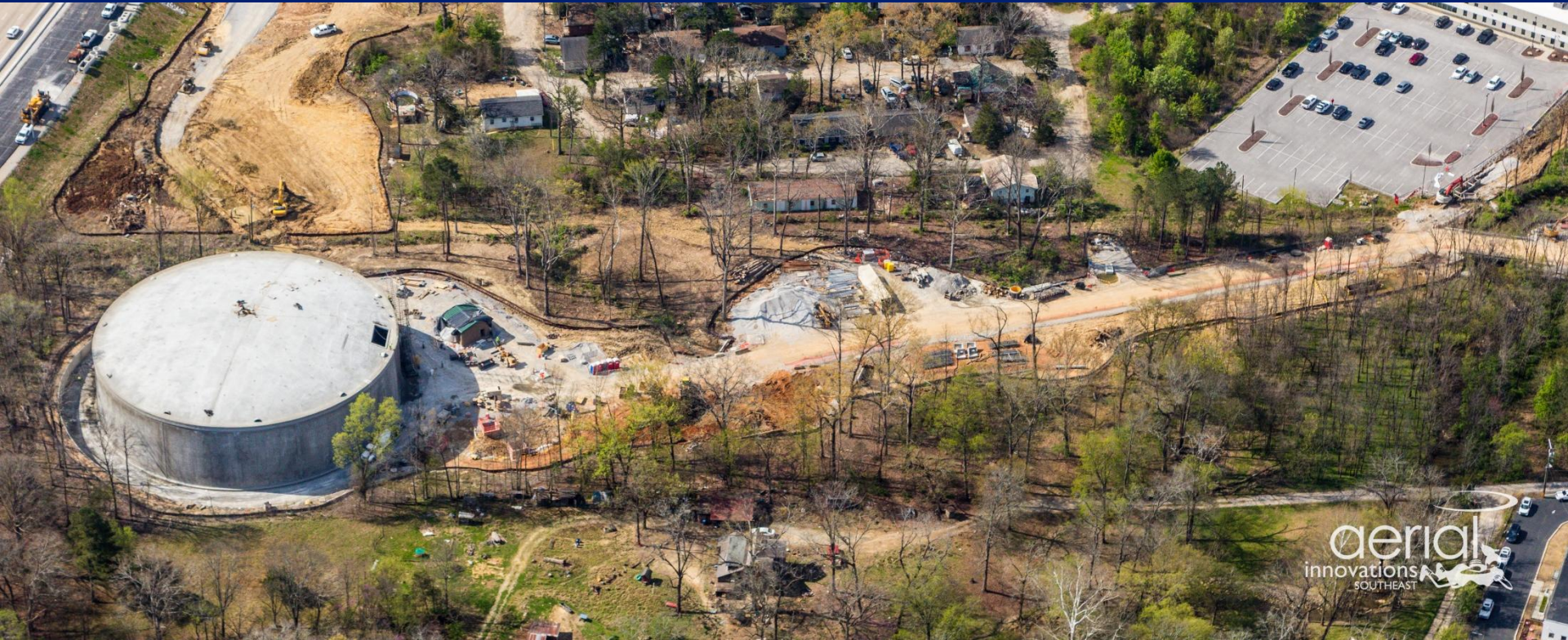
SLEQ St. Stephens 24" FM & Ductbank

March 2026



South Lee Hwy Tank Site

March 2026



SLEQ 24" FM Install – Tank Site

March 2026



South Lee Hwy EQ Tank

March 2026

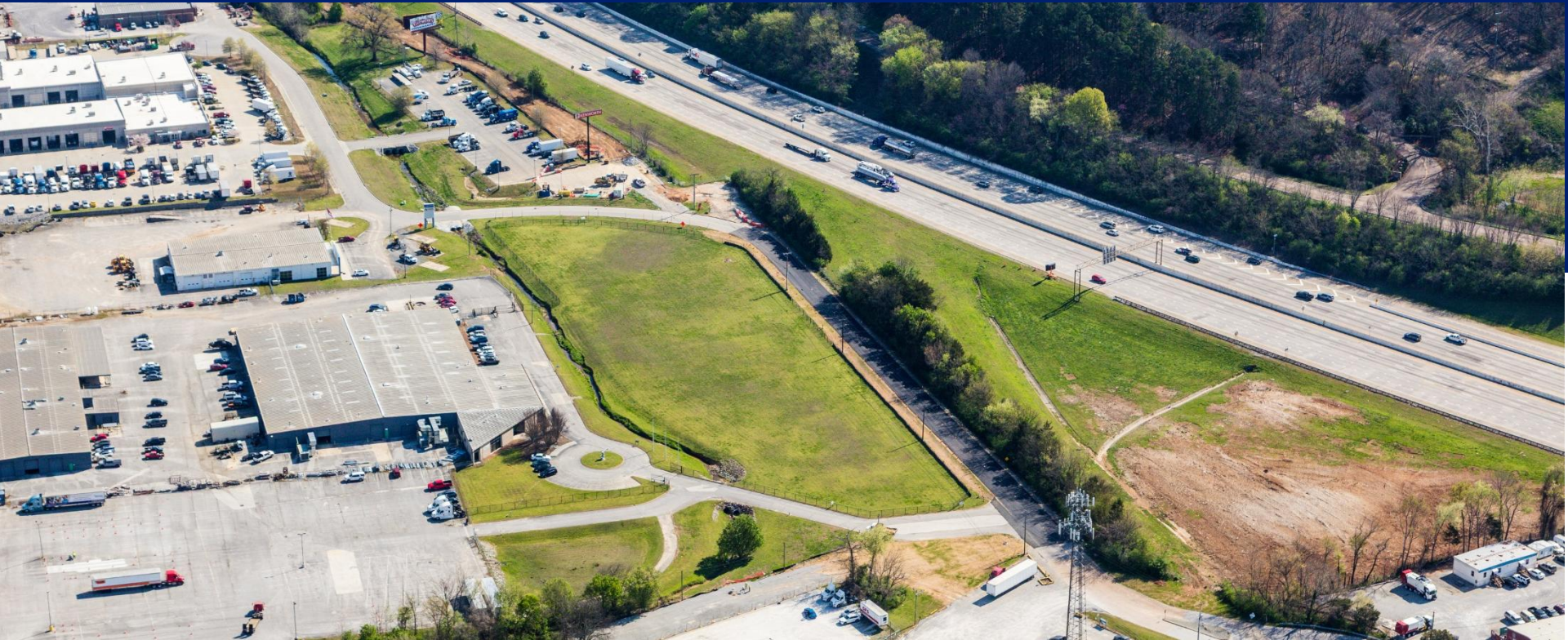


South Lee Hwy Access Road

March 2026



North Lee Hwy Conveyance





City of Chattanooga Wastewater Department Consent Decree Program Program Management

Project: W-20-027-101 MBEC Class A POWER (Progressive Design Build)

Date: May 4, 2026

To: City of Chattanooga Industrial Development Board

From: City of Chattanooga Wastewater Department & Jacobs Engineering Group, Inc.

Subject: Quarterly Project Update No. 04

Purpose

The purpose of this update is to inform the Industrial Development Board (IDB) of project progress including:

- Project background
- work-to-date,
- contract value and paid to date,
- project schedule,
- change management and,
- upcoming board action requests.

Project Background

City of Chattanooga Project Owner: Wastewater Department

City of Chattanooga Project Manager: Alan Ogle, Assistant Director of Engineering, Wastewater Department

Industrial Development Board Representative: Bill Payne, City Engineer

Design Build Team:

- Contractor/Lead: Archer Western
 - Design Team: Stantec, Barge Design Solutions, Derryberry Public Relations

Owner's Advisor: Jacobs Engineering Group, Inc.

Documents executed through IDB:

- Design Build Request for Proposal – April 2024
 - Awarded to Archer Western Design Build Team
- Design Build Agreement – March 2025
- Design Build Phase 1 Notice To Proceed- April 4, 2025





Work-to-Date

The following are highlights of work performed during this quarter:

- Basis of Design Report (BODR) Deliverable received 1/30/26
- BODR Workshop held 2/18/26
- RFP released by DB team to select blower equipment vendor
- IFAS equipment vendor RFP scheduled for release in May 2026
- Change Order 1 (CO 1) in process for approval for additional. CO 1 includes:
 - Phase 1 additional design: flow & loads, alternatives analysis & re-issue of BODR
 - Early works design for Filter Press Building demolition and preparation for ancillary projects (Thermal Dryer and Linear Generators)
- Separation of “Liquids” and “Solids” scope into two parallel tracks:
 - Liquids scope includes upgrades to the secondary treatment including demolition of the high purity oxygen process and addition of Integrated Fixed Film Activated Sludge (IFAS) process to address nutrient removal and improve treatment efficiency.
 - Solids scope includes replacement of anaerobic digester complex, dewatering building and preparation for Class A dryer.
- Next milestones:
 - 30% design documents scheduled for completion in June 2026
 - 60% design documents scheduled for completion in September 2026
 - Guaranteed Maximum Price (GMP), based on 60% design documents, scheduled for completion in November 2026.

Contract Value & Paid to Date

Table 1 Payments to Date, through March 31, 2026

Description	Contract Value (\$)	Completed To Date (\$)	Completed (%)
Total	\$ 13,390,000	\$ 4,158,304.46	31.1%

- The current Phase 1 Design Build contract goes through the 60% design and acceptance of the GMP.
- The project is currently 31.1% complete based on contract value paid to date.
- The project is currently 55% complete based on schedule completion.

Project Schedule

- The project notice to proceed was issued April 4, 2025.
- Phase 1 (through 60% Design and Guaranteed Maximum Price) is contractually due NTP+16 Months.
- Phase 2 substantial completion is NTP+51 Months. Final Completion of Phase 2 services





- The schedule has been delayed by approximately eight (8) months due to evaluation of alternatives, budget consideration challenges and delay of the BODR due to Solids scope considerations.
- It is anticipated that this schedule erosion will impact the Phase 1 completion date. The dates below are based on the current schedule but subject to change

Table 2 – Project Milestones

Milestone	Contractual Duration (Months)	Contractual Due Date	Anticipated Duration (Months)	Anticipated Due Date
Phase 1 (60% Design + GMP)	16	8/3/2026	20	2/4/2027
Phase 2 Substantial Completion	51	7/3/2029	51	10/2/2030
Final Completion of Phase 2 Services	52	8/2/2029	52	11/29/2030

Change Management

- CO 1 for additional design services and early works design – considered for approval at 5/4/26 IDB meeting.

Upcoming Board Action Requests

- CO for adding critical equipment vendors to team to address schedule concerns. Vendors including blowers and IFAS equipment suppliers – anticipated in summer 2026.
- CO for GMP for Early works site preparation - anticipated in late 2026
- CO for Total Project Phase 2 GMP – anticipated in early 2027

RESOLUTION

A RESOLUTION APPROVING CHANGE ORDER NO. 1 WITH ARCHER WESTERN CONSTRUCTION, LLC, OF ATLANTA, GA, FOR CONTRACT NO. W-20-027-101, MBEC CLASS A POWER PROJECT, TO INCREASE THE PROJECT BY ONE MILLION ONE HUNDRED SEVENTY-EIGHT THOUSAND THREE HUNDRED TWENTY-TWO AND 38/100 DOLLARS (\$1,178,322.38) DUE TO ADDITIONAL DESIGN AND EARLY WORK EFFORTS, FOR A REVISED CONTRACT AMOUNT OF FOURTEEN MILLION FIVE HUNDRED SIXTY-EIGHT THOUSAND THREE HUNDRED TWENTY-TWO AND 38/100 DOLLARS (\$14,568,322.38).

BE IT RESOLVED, that the Industrial Development Board of the City of Chattanooga is hereby approving Change Order No. 1 with Archer Western Construction, LLC, of Atlanta, GA, for Contract No. W-20-027-101, MBEC Class A Power Project, to increase the project by \$1,178,322.38 due to additional design and early work efforts, for a revised contract amount of \$14,568,322.38.

ADOPTED: May 4, 2026

THE INDUSTRIAL DEVELOPMENT
BOARD OF THE CITY OF CHATTANOOGA

Attest:

ALTHEA R. JONES, Chair

JIM FLOYD, Secretary



Design-Build Change Order Form

For use with DBIA Document No. 535 *Standard Form of General Conditions of Contract Between Owner and Design-Builder* and in accordance with Article 6.7 of the General Conditions of Contract.

Change Order Number: 01	Change Order Effective Date: May 4, 2026 (date when executed by both parties)
Project: MBEC Class A POWER Project – Contract No. W- 20-027-101	Design-Builder's Project No: 224189 Date of Agreement: March 10, 2025
Owner: Industrial Development Board of the City of Chattanooga	Design-Builder: Archer Western Construction, LLC

Scope of the Change: This Design Build Change Order incorporates Professional Services Change Order 1 (attached) into the Agreement. This includes incorporating Project Change Items (PCIs) 1 and 2 into the scope of work under this Agreement. The scope, clarifications and terms of each PCI apply.

Original Contract Price: \$ 13,390,000.00
 Net Change by Previous Change Order No(s): NA to: NA \$ 0.00
 This Change Order Increase/Decrease (attach breakdown): \$ 1,178,322.38
 New Contract Price: \$ 14,568,322.38


Original Contract Completion Date: August 4, 2026
 Adjustments by Change Order No(s) to: 0 (calendar days)
 This Change Order Contract Time Increase/Decrease: 112 (calendar days)
 Revised Phase 1 Completion Date: **November 24, 2026**

By executing this Change Order, Owner and Design-Builder agree to modify the Agreement's Scope of Work, Contract Price and Contract Time as stated above. Upon execution, this Change Order becomes a Contract Document issued in accordance with DBIA Document No. 535, *Standard Form of General Conditions of Contract Between Owner and Design-Builder*, (2022 Edition).

OWNER:

By: _____
 Printed Name: William C. Payne
 Title: City Engineer, Authorized Signatory of the IDB
 Date: _____

DESIGN-BUILDER:

By: 
DocuSigned by: 722c21e0-8a50-00c8a21f4b9...
 Printed Name: David Walker
 Title: Sr. Vice President
 Date: _____

Contract No.		W-20-027-101	
Project Name:		MBEC Class A POWER Project	
Design Builder:		Archer Western Construction, LLC	
	Brief Description	Change Order Amount	TOTALS
Executed Contract			\$ 13,390,000.00
DBIA Change Order 1	Executes Professional Services Change Order 1	\$ 1,178,322.38	\$ 1,178,322.38
DBIA Change Order 2			\$ -
DBIA Change Order 3			\$ -
DBIA Change Order 4			\$ -
DBIA Change Order 5			\$ -
Revised Contract Amount		\$ 1,178,322.38	\$ 14,568,322.38



**CITY OF CHATTANOOGA
WASTEWATER DEPARTMENT**

455 Moccasin Bend Road
Chattanooga, TN 37405

PROFESSIONAL SERVICES CHANGE ORDER

Contract No.:	<u>W-20-027-101</u>	Change Request No.:	<u>1</u>		
Project Name:	<u>MBEC Class A POWER Project</u>	Date Issued:	<u>4/22/2026</u>		
Design Builder:	<u>Archer Western</u>	Purchase Order No.:	<u>PUR148613</u>		
Requested By:	<u>Jason Ray</u>	City PPM No.:	<u>C10161</u>		
Original Contract Completion Date	<u>8/4/2026</u>	WIFIA Loan No. <u>N21106TN</u>	Original Contract Amount	\$ <u>13,390,000.00</u>	
Amended Contract Completion	<u>N/A</u>		Net Change by Previous COs	\$ <u>0.00</u>	
Additional Time on this CO	<u>112 days</u>		Contract Amount Prior to this CO	\$ <u>13,390,000.00</u>	
NEW CONTRACT COMPLETION DATE			<u>11/24/2026</u>	NEW CONTRACT AMOUNT	\$ <u>14,568,322.38</u>

Brief Summary of Changes (Additional pages included)

This change order reflects work summarized in the attached Project Change Items (PCI) 001 and 002. PCI 001 is already completed work which includes additional alternatives analysis, flows and loads analysis, re-work (~25%) and new design (~75%) of the BODR including a four month delay including additional project management, 16 additional progress meetings, and internal QA/QC review. The Early Works Design (PCI 002) includes design of utility relocations and extensions for Dryer and Linear Generator projects, design for demolition of Filter Press Building, site survey and permitting, preparation of RFP documents and GMP. The subtasks of PCI 002 (shown below as Task 10 supplemental services & in attached PCI 002) are anticipated but may not be needed depending on input from vendors, once they are under contract. As such, the city will provide written confirmation when allowable to proceed with each subtask, see list in PCI 002 attached.

Revised Scope Description/Details

Task No.	Description	Current Fee	Billed to Date	Additional Fee	Revised Fee
Basic Services:					
Task 1	Phase 1 Project Management	\$ 1,379,084.90	\$ 954,807.80	\$ 129,980.00	\$ 1,509,064.90
Task 2	Phase 1 Meetings	\$ 1,445,626.00	\$ 737,496.37	\$ 113,989.72	\$ 1,559,615.72
Task 3	Surveying, Mapping and Utility Locates	\$ 303,272.00	\$ 146,218.91		\$ 303,272.00
Task 4	Geotechnical, Hydrogeological, and Environmental Evalua	\$ 196,348.00	\$ 98,104.95		\$ 196,348.00
Task 5	Permitting and Approvals	\$ 100,532.00	\$ 12,521.00		\$ 100,532.00
Task 6	Alternatives Analysis and Project Definition	\$ 871,324.10	\$ 871,324.10	\$ 103,085.00	\$ 974,409.10
Task 7	Design through 60 Percent	\$ 7,163,063.00	\$ 847,637.34	\$ 233,333.50	\$ 7,396,396.50
Task 8	Cost Estimating, Scheduling and Constructability Reviews	\$ 1,141,800.00	\$ 73,039.55		\$ 1,141,800.00
Task 9	Guaranteed Maximum Price and Proposal	\$ 788,950.00	\$ -		\$ 788,950.00
	<i>Basic Services Subtotal</i>	\$ 13,390,000.00	\$ 3,741,150.02	\$ 580,388.22	\$ 13,970,388.22
Supplemental Services:					
Task 10	Supplemental Services - Early Works			\$ 597,934.16	\$ 597,934.16
	<i>Supplemental Services Subtotal</i>	\$ -	\$ -	\$ 597,934.16	\$ 597,934.16
	TOTAL CONTRACT AMOUNT	\$ 13,390,000.00	\$ 3,741,150.02	\$ 1,178,322.38	\$ 14,568,322.38

Contractor Acknowledgement:

- | | | |
|--|--|------------------------|
| <input type="checkbox"/> No Change in Contract Amount is required. | <input checked="" type="checkbox"/> A Change in Contract Amount is required. | \$ 1,178,322.38 |
| <input type="checkbox"/> No Change in Contract Time is required. | <input checked="" type="checkbox"/> A Change in Contract Time is required. | 112 days |

APPROVALS

PROGRAM MANAGER	DESIGN BUILDER
Signed by: 23-Apr-2026 29DFA17A31F64F4...	Signed by: 23-Apr-2026 8A50D0C8A21F4B9...
CITY PROJECT MANAGER	DIRECTOR OF ENGINEERING OR DESIGNEE, WASTEWATER DEPARTMENT
Signed by: 23-Apr-2026 8F4A7E92489442C...	Signed by: 23-Apr-2026 952E7A946B3B4D2...
	ADMINISTRATOR, WASTEWATER DEPARTMENT
	Signed by: 23-Apr-2026 CCBFBA7053F44F5...

Change Log

Contract No. W-20-027-101
 Project Name: MBEC Class A POWER
 Engineer: Archer Western Construction

Bid/OPCC

1. CHANGE - BUDGET

Contract	Description	Task 1	Task 2	Task 3	Task 4	Task 5	Task 6	Task 7	Task 8	Task 9	Task 10	Task 11	TOTALS
TO		\$ 1,379,085	\$ 1,445,626	\$ 303,272	\$ 196,348	\$ 100,532	\$ 871,324	\$ 7,163,063	\$ 1,141,800	\$ 788,950	\$ -		\$ 13,390,000
CO#1		\$ 129,980	\$ 113,990				\$ 103,085	\$ 233,334			\$ 597,934		\$ 1,178,322
CO#2													\$ -
CO#3													\$ -
CO#4													\$ -
CO#5													\$ -
Final Contract Amount		\$ 1,509,065	\$ 1,559,616	\$ 303,272	\$ 196,348	\$ 100,532	\$ 974,409	\$ 7,396,397	\$ 1,141,800	\$ 788,950	\$ 597,934	\$ -	\$ 14,568,322
Net Contract Changes		\$ 129,980	\$ 113,990	\$ -	\$ -	\$ -	\$ 103,085	\$ 233,334	\$ -	\$ -	\$ 597,934	\$ -	\$ 1,178,322
Billed to Date		\$ 954,807.80	\$ 737,496.37	\$ 146,218.91	\$ 98,104.95	\$ 12,521.00	\$ 871,324.10	\$ 847,637.34	\$ 73,039.55				\$ 3,741,150.02
Remaining in Contract		\$ 554,257.10	\$ 822,119.35	\$ 157,053.09	\$ 98,243.05	\$ 88,011.00	\$ 103,085.00	\$ 6,548,759.16	\$ 1,068,760.45	\$ 788,950.00	\$ 597,934.16	\$ -	\$ 10,827,172.36

2. CHANGE - CONTRACT TIME

Contract	Description	Contract Time - Days											TOTALS	Days	Months	NTP Date	Completion Date
		Task 1	Task 2	Task 3	Task 4	Task 5	Task 6	Task 7	Task 8	Task 9	Task 10	Task 11					
TO													487	487		4/4/2025	8/4/2026
CO#1								112					112	112			11/24/2026
CO#2													0				
CO#3													0				
CO#4													0				
CO#5													0				
TOTALS		0	0	0	0	0	0	112	0	0	0	0	112	599	0		



Prepared for: City of Chattanooga
Project Title: Moccasin Bend Environmental Campus Class A, P.O.W.E.R.
Subject: PCI #001 – Design Services Scope Reconciliation

04/20/2026

Mr. Alan Ogle,

Archer Western hereby submits this Request for Additional Compensation to the City of Chattanooga in connection with changes to the Phase 1 scope resulting from City-directed scope reconciliation and associated revisions to the Basis of Design Report (BODR).

These efforts represent work beyond the originally defined Phase 1 scope and have required additional level of effort to support the Project. The primary elements of this additional works include:

1. Expanded Alternatives Analysis evaluations
2. Development of the Flow and Loads Memorandum
3. Revision to the BODR related to solids handling scope

As a result of the above, Archer Western has also experienced impacts to the Phase 1 schedule and is requesting an extension of one hundred twelve (112) calendar days to complete the preconstruction services.

In keeping with the collaborative approach established for this Project, Archer Western has reduced the applicable fee from the contracted 9% to 5% for the work associated with this request.

Archer Western requests a change order in accordance with General Conditions Article 9 entitled “Changes to the Contract Price and Time” from the Agreement Between the Owner and Progressive Design Builder, Contract No. W-20-027.

The cost for the additional work is **Five Hundred Eighty Thousand, Three Hundred Thirty-eight Dollars and Twenty-two Cents (\$580,338.22)**

Should you have any questions or require additional information, please do not hesitate to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read 'J Ray'.

Jason Ray
Program Manager

PCI #: 001

Work Item #: _____ Sheet 1 Of 1

DATE OF WORK: _____

CONTRACTOR: Archer Western

DESCRIPTION OF WORK: _____

Design Services Scope Reconciliation

DESCRIPTION	Unit of Msr.	QTY.	MATERIAL		MANHOURS		LABOR		EQUIPMENT		SUB-CONTRACT		OTHER DIRECT COST		TOTAL														
			UNIT	EXT.	UNIT	EXT.	RATE	EXT.	UP	EXT	UP	EXT	UP	EXT															
Labor																													
						0.00		\$ -		\$0					\$ -														
						0.00		\$ -		\$0					\$ -														
						0.00		\$ -		\$0					\$ -														
SUBTOTAL LABOR															\$ -														
Equipment / Materials/ Subcontract/ Other Direct Cost																													
Stantec PCN 001- Alt. Analysis	LS	1.00		\$ -						\$ -	\$ 35,240.00	\$ 35,240.00		\$ -	\$ 35,240.00														
Stantec PCN 002- Flows & Loads	LS	1.00		\$ -						\$ -	\$ 67,845.00	\$ 67,845.00		\$ -	\$ 67,845.00														
Stantec PCN 003 - BODR Rework	LS	1.00		\$ -						\$ -	\$440,426.00	\$440,426.00		\$ -	\$ 440,426.00														
				\$ -						\$ -		\$ -		\$ -	\$ -														
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				\$ -						\$ -		\$ -		\$ -	\$ -														
Safety Supplies at 3% of Labor	LS	1.00	\$ -	\$ -						\$ -		\$ -		\$ -	\$ -														
Small Tools at 5% of Labor	LS	1.00	\$ -	\$ -						\$ -		\$ -		\$ -	\$ -														
SUBTOTAL EQUIPMENT, MATERIALS, SUB-CONTRACT AND OTHER DIRECT COST															\$ 543,511.00														
SUBTOTAL 1															\$ 543,511.00														
TAX @ 9.25%			\$ -												\$ -														
LABOR BURDEN @ 40%							\$ -								\$ -														
SUBTOTAL 2			\$ -		0.00		\$ -		\$ -		\$ 508,271.00		\$ -		\$ 543,511.00														
<table border="0" style="width: 100%;"> <tr> <td style="width: 30%;"></td> <td style="width: 70%;">FEE (5%) (Archer Western agrees to 5% markup on this PCI only, the contractual 9% markup applies on others)</td> <td style="text-align: right;">\$ 27,175.55</td> </tr> <tr> <td></td> <td>GENERAL CONDITIONS (11.5%) (Phase 2 Only)</td> <td style="text-align: right;">\$ -</td> </tr> <tr> <td></td> <td>SUBTOTAL COST</td> <td style="text-align: right;">\$ 570,686.55</td> </tr> <tr> <td></td> <td>INSURANCE (1.7%)</td> <td style="text-align: right;">\$ 9,701.67</td> </tr> <tr> <td></td> <td>GRAND TOTAL</td> <td style="text-align: right;">\$ 580,388.22</td> </tr> </table>																FEE (5%) (Archer Western agrees to 5% markup on this PCI only, the contractual 9% markup applies on others)	\$ 27,175.55		GENERAL CONDITIONS (11.5%) (Phase 2 Only)	\$ -		SUBTOTAL COST	\$ 570,686.55		INSURANCE (1.7%)	\$ 9,701.67		GRAND TOTAL	\$ 580,388.22
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	GRAND TOTAL	\$ 580,388.22																											

**Moccasin Bend Environmental Camplus Class
A P.O.W.E.R Project**

Project Changes can be authorised using this form or by other similar correspondence. In either case, best practice, enter key information into Project Change Log.

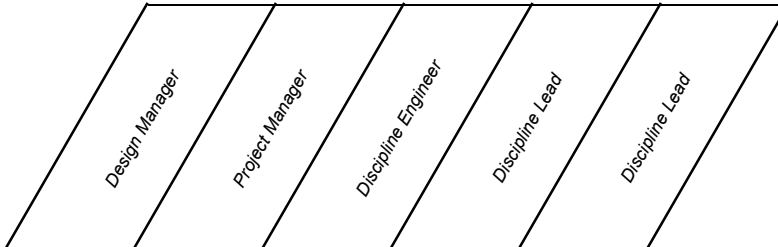
Project Name:	MBEC Class A POWER	Project No:	175677249
Client:	Archer Western	Client Contact Name / Phone:	Josh Vigneault
Project Manager:	Becky Hachenburg	Change Generated By:	
Creation Date:	15/04/2026	PCN No:	001 – R1

Required Change to Project Scope:	<p>Section 1.2.3 of the RFP describes the project scope which identifies aeration system conversion, MABR, and THP. Section 1.2.4 of the RFP encourages alternative approaches and an “openness to exploring different strategies driven by a desire to find the most efficient and sustainable methods for replacing the current secondary treatment aeration system, resolving nitrification issues, achieving Class A biosolids, enhancing Green Energy output, and addressing various other aspects of City’s wastewater treatment process.”</p> <p>For our fee proposal in response to the RFP and as presented in Archer Western’s RFP response, Stantec based its Alternatives Evaluation scope and fee upon THP + MAD as the selected solids alternative (i.e. no further solids technology analyses required and 2 THP + MAD site layout alternatives) and three (3) liquids alternative analyses (e.g. MABR, IFAS, and Rehab UNOX with sidestream treatment), including life cycle cost comparison. See Archer Western’s RFP response pages 4-6 and 4-8, respectively.</p> <p>At the project kick off meeting the City stated they weren’t fully confident with THP as the solids alternative and wanted to explore other technologies including a dryer and contracted hauling services. The City was also interested in MOB for the liquids process. The result of this is that the project team, for Task 6, worked up a total of five (5) solids technology alternatives (all additional from approved budget) and four (4) liquids technology alternatives (one additional to approved budget) in addition to digester upgrades and sidestream treatment resulting in nine (9) cost packages.</p> <p>These additional technology alternatives required more effort from the project team to prepare and present. Status of the alternative evaluated is listed below.</p>
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<i>ES- 1: Summary of Shortlisted Technology Alternatives</i>	
Alternative	NOTES
L0 VPSA / Rehab UNOX	<i>Eliminated after cost estimating due to inability to increase process capacity and substantial cost savings compared L1, L2, and L3.</i>
L1 MABR	<i>Progressed to capital costing and qualitative scoring.</i>
L2 IFAS	<i>Progressed to capital costing and qualitative scoring. Selected as most favorable solution.</i>
L3 Mobile Biofilm Carrier	<i>Progressed to capital costing and qualitative scoring.</i>
L4 Membrane Bioreactors	<i>Eliminated prior to cost estimating due to cost and complexity.</i>
L5 Sidestream Treatment	<i>Not a standalone solution – included when paired with a Solids alternative that significantly increased sidestream nitrogen return loads.</i>
S0 Rehab existing mesophilic digesters	<i>Not a standalone solution. Digester rehab required for all alternatives that involve using existing six digesters for long-term stabilization.</i>
S1 THP pre-treatment with intensified MAD	<i>Paired with S0 and L5 due to reliance on existing digesters and estimated increase in nitrogen loads returned to mainstream. L5 ultimately deemed avoidable and removed from LCA.</i>
S2 Batch Thermophilic (TPAD)	<i>Eliminated prior to cost estimating due to energy intensity and operational complexity.</i>
S3 MAD + Blending sludge flows + Thermal Drying	<i>Eliminated prior to LCA due to high capital cost.</i>
S4 MAD + Composting	<i>Eliminated prior to cost estimating due to siting constraints and inability to address project goals of enhancing biogas production.</i>
S5 MAD + Contracted Service	<i>Paired with S0 due to reliance on existing six digesters for long-term stabilization.</i>
Additional Deliverables (if any):	More alternatives presented within the Alternatives Evaluation TM.
Proposed Adjustment to Fees:	Additional fees for the added alternatives evaluations total to \$35,240.00, bringing the task total from \$620,146 to \$655,386.
Proposed Adjustment to Time:	
Other Requirements:	
Reviewed and approved by PMCL or Authorised Signatory (SAM):	Date: Click or tap to enter a date.
Authorised by Client: (name & signature)	Date: Click or tap to enter a date.
Received by Stantec:	Date: Click or tap to enter a date.



FEE ESTIMATE - PCN-001 MBEC Class A POWER



Name	Stephens, Nicole	Hachenburg, Becky	Dillavou, Jack	Zhang, Bo	Kabouris, John
Project Billing Rate	\$230.00	\$290.00	\$200.00	\$275.00	\$275.00
Total Units	42.00	12.00	39.00	12.00	40.00
Fee	\$9,660.00	\$3,480.00	\$7,800.00	\$3,300.00	\$11,000.00

Project Summary	Hours	Labor	Expense	Subs	Total
Fixed Fee	145.00	35,240.00	0.00	0.00	\$35,240.00
Time & Material	0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	145.00	35,240.00	0.00	0.00	\$35,240.00

WBS Code	Task Name	Units				
1	Additional Liquids Alternatives (L3 from Alternatives Evaluation TM)	4.00	4.00	9.00	12.00	
2	Additional 5 Solids Technology Alternatives (S1-S5 from Alternatives Evaluation TM)	38.00	8.00	30.00	40.00	

Task Type	Hours	Labor	Expense	Subs	Total
Time & Material	29.00	\$7,180.00	\$0.00	\$0.00	\$7,180.00
Time & Material	116.00	\$28,060.00	\$0.00	\$0.00	\$28,060.00

SOLIDS TREATMENT

Our team understands that the biosolids portion of this project will help the City make significant strides toward achieving system-wide green energy and sustainability goals. At the same time, the City needs to address aging equipment and improve biosolids end product quality. Several specific improvements were identified in the Request for Proposals. Our team is intimately familiar with site specific nuances of implementing the proposed thermal hydrolysis process, having performed pilot testing of thermal hydrolysis on-site at the MBEC. We also have an unmatched bioenergy resume globally as Stantec has been responsible for numerous major THP projects both in the US and in Europe, including similar design-build work at the Morris Forman facility in Louisville, KY. Our team partner, Barge Design Solutions, brings local expertise with extensive biosolids experience in the state of Tennessee, including projects at Nashville's Central Wastewater Treatment Plant and the M.C. Stiles Treatment Facility in Memphis.

The improvements outlined in the RFP and the conceptual design detailed in the Clear Chattanooga Energy Audit Report provide a baseline for our approach. These base recommendations prioritize the use of existing infrastructure. The sections following provide several considerations implementing THP+MAD and relevant support systems at the MBEC, including design recommendations and concepts that seek to improve overall operability and performance.

- 1. Raw sludge pumping:** the MBEC recently invested in upgrades to gravity thickener sludge pumps, therefore significant upgrades are not expected. The existing pump capacity will be evaluated against selected planning criteria to ensure they are sufficiently sized to convey sludge as solids loads increase.
- 2. Sludge blending and transfer:** thickened sludge from each station will be combined into a new or retrofitted sludge blending tank. The existing sludge storage tank is available for retrofit, however the MBEC may benefit from a new blending wet well that can be configured to accept imported organics in the future.
- 3. Sludge screening:** The proposed baseline configuration involves installing new sludge screen presses in Centrifuge Building 1. A new building and the filter press building will also be considered as alternatives.
- 4. Pre-dewatering:** Screen sludge will be conveyed to a new pre-dewatering system. The existing dewatering facility will be evaluated for potential retrofit to pre-dewatering. A new building and the filter press building will also be considered.
- 5. Thermal Hydrolysis:** The baseline configuration includes a single Cambi B6x4 THP system with a redundant pulper and flash tank (2P2F). There are several siting options to evaluate as THP does not require a building but sufficient space is needed to reasonably locate steam generation and sludge cooling near THP.

Focusing Our Resources on Getting THP Right

The Archer Western | Stantec team has been invested in this Class A POWER project since our involvement on the Moccasin Bend THP Pilot Study and Business Case Evaluation completed in 2020. That project used research to understand the limits of intensified anaerobic digestion and identify site-specific nuisances for the MBEC. While our study made a defensible and data-driven case for THP+MAD, evolving priorities within the City of Chattanooga understandably led to continued questions on whether THP is the best solution for the MBEC.

Our team understands that there are other technological approaches to addressing the MBECs operational needs and achieving Class A quality and energy recovery goals. Our highly qualified team stands ready to identify and evaluate the feasibility of other technology alternatives if the City so chooses. However, after continuously assessing alternative solutions over the last four years, the Archer Western | Stantec team is confident that THP+MAD is the most favorable, and even opportunistic, approach to producing Class A quality biosolids while maximizing energy recovery potential at the MBEC. As such, we believe our resources are best spent tailoring the THP+MAP system to the MBEC and its O&M staff in the Preliminary Engineering phase.



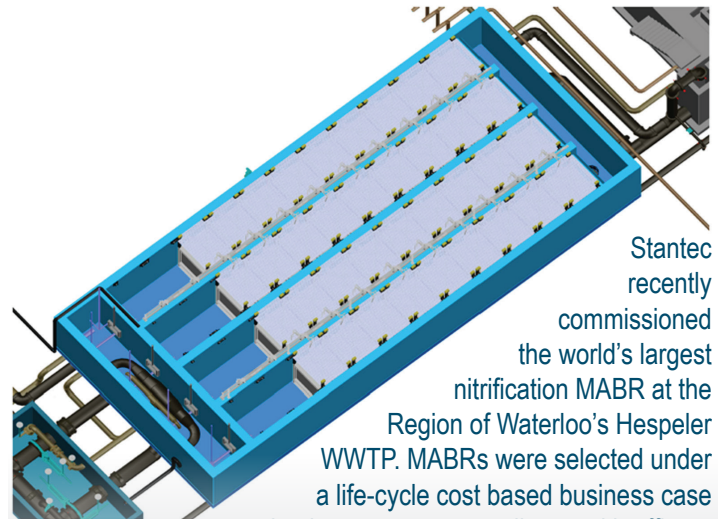
- 6. Anaerobic digesters:** The existing digestion facility will be reconfigured to operate all six digesters in parallel in a mesophilic mode. Capacity evaluations and sludge projections will be used to determine if digester expansion is required to meet future demands. The existing digesters will be rehabilitated following an extensive condition assessment with hydrolyzed sludge operation in mind. To simplify operations, a new mixing system such as pump mixing will be considered and the covers may be replaced with a combination of floating gas-holder and fixed covers.
- 7. Gas handling:** Existing gas compression and mixing equipment will be removed. Gas safety equipment will be replaced and upgraded to meet current codes. Gas flares will be moved to an acceptable location.
- 8. Final dewatering:** Final dewatering may remain in Centrifuge Building No. 2 with potential minor upgrades and/ or expansion to include a third centrifuge if necessary. Alternative locations such as the filter press building or a new final dewatering facility will also be considered.

Alternative Technical Concepts

INNOVATING THE FUTURE OF AN ENVIRONMENTAL CAMPUS

The Class A POWER Project is so much more than an infrastructure project. The work performed under this project will cast a vision for the Moccasin Bend Environmental Campus that extends well into its resource recovery future. Our Team will leave you with not only infrastructure improvements that achieve your liquid and solids treatment goals, but a dynamic road map for addressing anticipated challenges such as changing nutrient limits and emerging contaminants. Our goal is to implement solutions that lead to options in the future and minimize the addition of stranded assets. As we work with you to select aeration improvements and a nitrification approach, we will do so with future capacity and nutrient removal needs in mind. As we narrow in on an optimal site layout for THP and digester rehab scope, we will ensure provisions are in place to allow for various biogas utilization strategies, organic imports, and advanced solids processing.

Regardless of the technologies employed, we envision improvements that embody the spirit of an environmental campus. The industry-leading technologies the MBEC is looking to implement can put the facility on the map as a place of interest and education. These solutions will set the standard for City-wide efficiency, innovation, and sustainability, turning a facility that processes the City's waste into a local icon. But iconic and industry leading doesn't have to mean unaffordable. The Alternative Technical Concepts discussed below were developed with life-cycle cost and time savings in mind.



Stantec recently commissioned the world's largest nitrification MABR at the Region of Waterloo's Hespeler WWTP. MABRs were selected under a life-cycle cost based business case evaluation to ensure compliance with effluent ammonia limits under cold weather conditions.

ALTERNATIVE NITRIFICATION APPROACHES

A comprehensive alternatives evaluation is required to ensure all feasible technological solutions have been considered and promote innovative, tailored solutions to achieving the project goals on time and on schedule. Our team will conduct a life-cycle cost comparison of up to three liquid stream treatment alternatives. Each alternative will be holistically developed as an integrated solution that includes improvements to the aeration system, UNOX system, and/or centrate equalization and sidestream treatment. The ultimate solution may include one or a combination the alternatives detailed in the table (Table 4.3) on the next page.

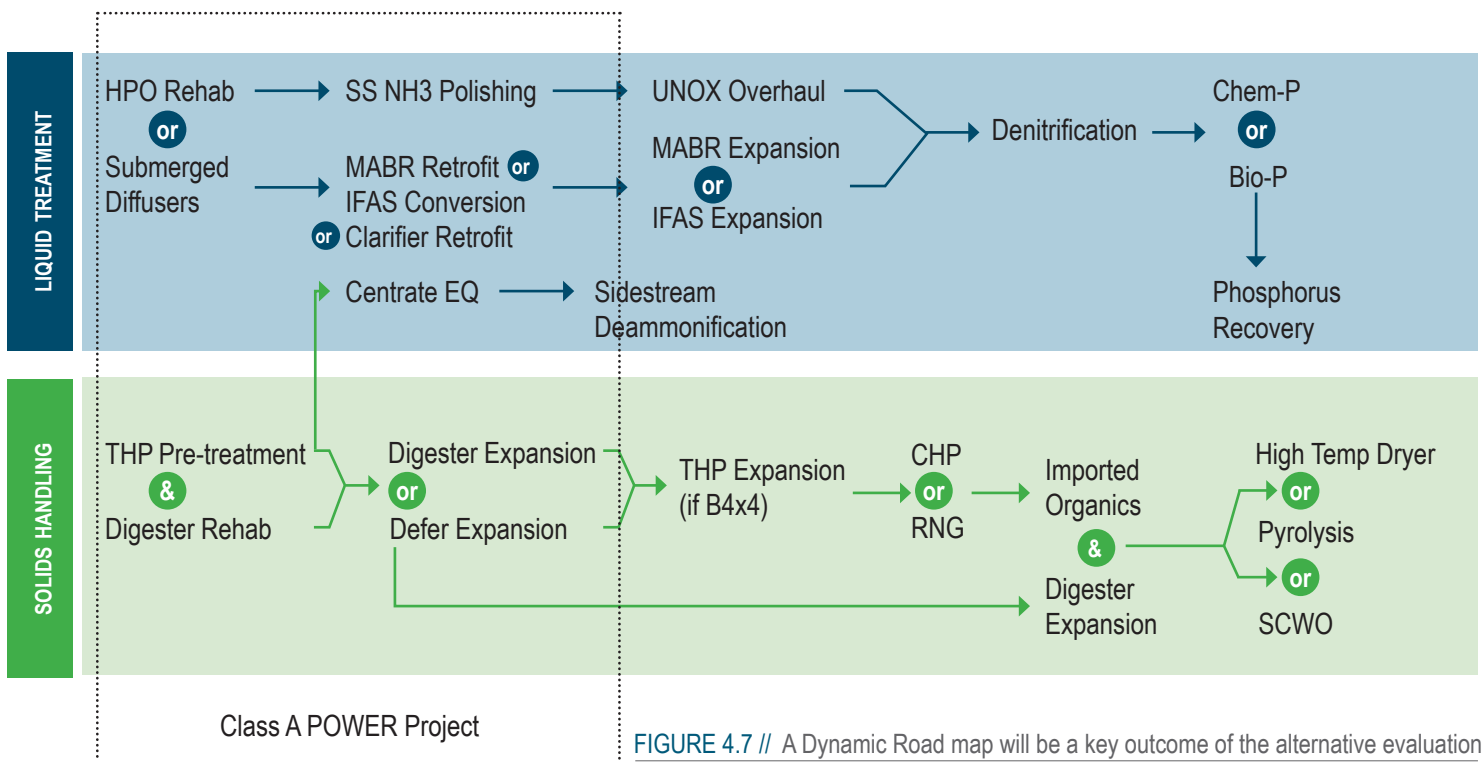


FIGURE 4.7 // A Dynamic Road map will be a key outcome of the alternative evaluation

Project Changes can be authorised using this form or by other similar correspondence. In either case, best practice, enter key information into Project Change Log.

Project Name:	MBEC Class A POWER	Project No:	175677249
Client:	Archer Western	Client Contact Name / Phone:	Jason Ray
Project Manager:	Becky Hachenburg	Change Generated By:	Matt Newhart
Creation Date:	04/20/2026	PCN No:	002-R1

Required Change to Project Scope:	<p>Stantec, at the request of the City of Chattanooga (City) and in support of Archer Western (AW) has identified the need for further clarification of critical design data necessary for the Moccasin Bend Environment Campus (MBEC) Class A POWER project. The Request for Proposal (dated April 2024) provides, within Section 1.2.5 <i>Project Design Criteria</i>, a summary of flows and loads projections which provided project time horizon, peaks and average flows, air requirements, bio-solids requirements, and the described use of membraned aerated bio-reactor (MABR). These criteria are described as being confirmed by the Owner’s Advisor.</p> <p>While advancing the alternatives analysis from April 4, 2025 to March 20, 2026, the Archer Western/Stantec team was requested to validate and provide additional design criteria. These include values for solids and contaminants load not initially provided in the Request for Proposal (RFP).</p> <p>Working in an openness and willingness to explore the best design data sets for the project, Stantec and Archer Western have prepared a flows and load TM for the project with the Alternatives Evaluation and updated with the BODR.</p>	
Additional Deliverables (if any):	Flow and Loads Memorandum, September 24, 2025 and updated March 18, 2026	
Proposed Adjustment to Fees:	Our fees for this additional effort total to \$67,845.00 to be applied to Task 6.	
Proposed Adjustment to Time:		
Other Requirements:		
Reviewed and approved by PMCL or Authorised Signatory (SAM):		Date: Click or tap to enter a date.
Authorised by Client: (name & signature)		Date: Click or tap to enter a date.
Received by Stantec:		Date: Click or tap to enter a date.



FEE ESTIMATE - PCN-002 MBEC Class A POWER

	<i>Design Manager</i>	<i>Project Manager</i>	<i>Design Manager</i>	<i>Discipline Lead (QA/QC)</i>	<i>Discipline Engineer</i>	<i>Discipline Lead</i>	<i>Discipline Lead</i>							
Name	Stephens, Nicole	Hachenburg, Becky	Newhart, Matt	Machado, Chris	Dillavou, Jack	Zhang, Bo	Kabouris, John							
Project Billing Rate	\$230.00	\$290.00	\$230.00	\$275.00	\$200.00	\$275.00	\$275.00		Project Summary	Hours	Labor	Expense	Subs	Total
Total Units	44.00	22.00	4.00	7.00	72.00	64.00	60.00		Fixed Fee	273.00	67,845.00	0.00	0.00	\$67,845.00
Fee	\$10,120.00	\$6,380.00	\$920.00	\$1,925.00	\$14,400.00	\$17,600.00	\$16,500.00		Time & Material	0.00	\$0.00	\$0.00	\$0.00	\$0.00
									Total	273.00	67,845.00	0.00	0.00	67,845.00

WBS Code	Task Name	Units							Task Type	Hours	Labor	Expense	Subs	Total
1	Additional Data Analysis	24.00	6.00			40.00	40.00	40.00	Fixed Fee	150.00	\$37,260.00	\$0.00	\$0.00	\$37,260.00
2	Quality Review Calcs	4.00	6.00		4.00	2.00	4.00	4.00	Fixed Fee	24.00	\$6,360.00	\$0.00	\$0.00	\$6,360.00
3	Flows and Loads TM	16.00	10.00	4.00	3.00	30.00	20.00	16.00	Fixed Fee	99.00	\$24,225.00	\$0.00	\$0.00	\$24,225.00

Project Name:	MBEC Class A POWER	Project No:	175677249
Client:	Archer Western	Client Contact Name / Phone:	Jason Ray
Project Manager:	Becky Hachenburg	Change Generated By:	City of Chattanooga
Creation Date:	15/04/2026	PCN:	BODR_PCN003R3

<p>Required Change to Project Scope:</p>	<p><u>Changed Project Solids Process Recommendations</u></p> <p>Following the conclusion of Task 6, the recommendations for the project moving into BODR included IFAS, THP, and minor rehabilitation of the existing digesters. Per Section 7.1 from the scope of work, the recommendations from Task 6 were to form the basis of BODR development. The Stantec team proceeded to develop a BODR for submittal on October 10, 2025, but was notified by the City of Chattanooga on October 6, 2025, that they no longer wanted to proceed with THP for the solids process and instead wanted to look at up to four new anaerobic digesters. As this change was communicated the week the draft BODR was to be submitted, significant BODR re-work and schedule delay have resulted. The additional effort is split approximately 25% for re-work to the BODR and 75% for new work due to the additional scope.</p> <p>The revised project scope includes IFAS, four new anaerobic digesters located in the area of the existing filter press building, no THP or rehab of existing digesters, and a new final dewatering facility. The existing centrifuge equipment from CB2 will be relocated to the new digester complex building.</p> <p>This change requires additional hydraulic and process analyses, equipment resizing, multiple iterations of conceptual layout workshopped with the City, and significant re-writing of the draft BODR. The City indicated the D/B team could proceed with the updated BODR scope during progress meetings on 12/8/25 and 12/15/25.</p> <p>Changes to the recommended project elements from the recommendations resulting from the Alternatives Evaluation generally include:</p> <ol style="list-style-type: none"> 1. Revisit the solids alternative analysis and develop seven (7) new options and interim cost estimates. 2. Remove all future THP design considerations and redesign digestion, thickening, and dewatering systems accordingly 3. Defer WAS Thickening design to future work, revising BODR to account for revised thickened solids target and size building for future WAS thickening 4. Remove rehabilitation and conversion of the existing digester complex to secondary and/or pre-dewatering storage, and redesign the final dewatering process flow 5. Remove gas conditioning 6. Revise digester design to four (4) new mesophilic anaerobic digesters with an adjacent equipment building 7. Add dewatering centrifuges, relocated from CB2, in the new equipment building, including conveyance equipment to the contracted dryer system 8. Add chemical dosing, process monitoring, and pump improvements to the existing gravity thickening system. 9. Revise the approach for re-aeration to remove the re-aeration basin and replace it with an inline system. 10. Repeat internal QA/QC review process for draft BODR submittal. 11. Additional BODR Alternatives Evaluation Workshop (held on October 21, 2025).
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	<p>12. Additional project management and project meetings resulting in the increase to the overall project schedule of 112 days, increasing overall project duration from 20 to 24 months.</p>																														
<p>Additional Deliverables (if any):</p>	<ul style="list-style-type: none"> • Revised Draft BODR • Presentation materials and minutes for BODR Alternatives Evaluation Workshop • Meeting minutes/presentations 																														
<p>Proposed Adjustment to Fees: <i>(suggest including overall agreed Total)</i></p>	<p>Our fees for additional Design/Engineering effort:</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 60%;">Activity</th> <th style="width: 20%;">Estimate Basis</th> <th style="width: 20%;">Fees</th> </tr> </thead> <tbody> <tr> <td>Additional Design Activities related to BODR revisions (Task 7)</td> <td>Actuals</td> <td>\$208,330.00</td> </tr> <tr> <td>BODR ITR (Task 7)</td> <td>Actuals</td> <td>\$25,003.50</td> </tr> <tr> <td>1 Specialty Meeting – 2nd BODR Workshop (Task 2)</td> <td>Actuals</td> <td>\$21,602.50</td> </tr> <tr> <td>13 Additional Weekly Progress Meetings (Task 2)</td> <td>Projected – Reduced from Orig Budget</td> <td>\$41,330.00</td> </tr> <tr> <td>3 Additional Monthly Progress Meetings (Task 2)</td> <td>Projected – Reduced from Orig Budget</td> <td>\$14,180.00</td> </tr> <tr> <td>112 days of Additional Project Management (Task 1)</td> <td>Projected – Reduced from Orig Budget</td> <td>\$129,980.00</td> </tr> <tr> <td></td> <td>PCN Total</td> <td>\$440,426.00</td> </tr> </tbody> </table>	Activity	Estimate Basis	Fees	Additional Design Activities related to BODR revisions (Task 7)	Actuals	\$208,330.00	BODR ITR (Task 7)	Actuals	\$25,003.50	1 Specialty Meeting – 2 nd BODR Workshop (Task 2)	Actuals	\$21,602.50	13 Additional Weekly Progress Meetings (Task 2)	Projected – Reduced from Orig Budget	\$41,330.00	3 Additional Monthly Progress Meetings (Task 2)	Projected – Reduced from Orig Budget	\$14,180.00	112 days of Additional Project Management (Task 1)	Projected – Reduced from Orig Budget	\$129,980.00		PCN Total	\$440,426.00						
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<p>Proposed Adjustment to Time:</p>	<p>An additional one hundred twelve (112) calendar days from the City of Chattanooga’s release for the updated BODR (with allowance for the end-of-year holidays).</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr style="background-color: #FFD700;"> <th colspan="3">ORIGINAL SCHEDULE</th> </tr> <tr style="background-color: #FFD700;"> <th style="width: 60%;">Activity Name</th> <th style="width: 20%;">START</th> <th style="width: 20%;">FINISH</th> </tr> </thead> <tbody> <tr> <td>SUBMIT DRAFT BODR TO CITY</td> <td></td> <td>10/10/25</td> </tr> <tr> <td>CITY REVIEW BODR AND COMMENT</td> <td>10/13/25</td> <td>10/31/25</td> </tr> <tr> <td>FINALIZE FINAL BODR</td> <td>11/3/25</td> <td>11/21/25</td> </tr> <tr> <td>FINAL BODR QA/QC</td> <td>11/24/25</td> <td>12/5/25</td> </tr> <tr> <td>SUBMIT FINAL BODR TO CITY</td> <td>12/8/25</td> <td>12/23/25</td> </tr> <tr style="background-color: #90EE90;"> <th colspan="3">PROPOSED SCHEDULE</th> </tr> <tr style="background-color: #90EE90;"> <th style="width: 60%;">Activity Name</th> <th style="width: 20%;">START</th> <th style="width: 20%;">FINISH</th> </tr> <tr> <td>SUBMIT DRAFT BODR TO CITY</td> <td></td> <td>1/30/26</td> </tr> </tbody> </table>	ORIGINAL SCHEDULE			Activity Name	START	FINISH	SUBMIT DRAFT BODR TO CITY		10/10/25	CITY REVIEW BODR AND COMMENT	10/13/25	10/31/25	FINALIZE FINAL BODR	11/3/25	11/21/25	FINAL BODR QA/QC	11/24/25	12/5/25	SUBMIT FINAL BODR TO CITY	12/8/25	12/23/25	PROPOSED SCHEDULE			Activity Name	START	FINISH	SUBMIT DRAFT BODR TO CITY		1/30/26
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	CITY REVIEW BODR AND COMMENT	2/2/26	2/20/26
	SUBMIT FINAL BODR TO CITY	2/23/26	3/20/26
	COMMENCE 30% DESIGN/SUBMIT DRAFT 30% DESIGN TO CITY	2/23/26	5/8/26
Other Requirements:			
Reviewed and approved by PM:			
Authorized by Archer Western: (name & signature)			
Received by Stantec:			



Prepared for: City of Chattanooga
Project Title: Moccasin Bend Environmental Campus Class A, P.O.W.E.R.
Subject: PCI #002 – Early Works Design Services

04/20/2026

Mr. Alan Ogle,

Archer Western hereby submits the enclosed pricing for additional Phase 1 services associated with advancing the early works sitework scope requested by the City of Chattanooga. The services included in this proposal represent additional design, evaluation, coordination, and permitting efforts beyond the originally defined Phase 1 scope and are further detailed in the attached documentation. The following tasks are included as enabling components to support development of the Early Works scope for Owner consideration:

Task Code	Task Name	Total Cost by Task
1	Filter Press Building Material Evaluation	\$30,984.70
2	West Overhead Electrical Line Relocation – Circuits A&B	\$38,558.97
3	East Overhead Electrical Line Relocation – Circuits A&C	\$36,161.00
4	North Recycle Pump Station Power	\$17,900.85
5	Plant Electrical Single Line Diagram Development	\$48,732.46
6	Utility Corridor and Utility Locate Survey	\$66,896.53
7	Utility Design for Dryer and LGen	\$150,603.02
8	Filter Press Building Utility Demolition	\$41,138.70
9	Design Demolition Plans for Filter Press Building	\$4,280.39
10	Coordination with LGen and Dryer Vendors	\$30,546.03
11	City of Chattanooga Land Disturbance Permit	\$31,315.66
12	GMP Development and Support	\$100,815.84

Each task is supplemental and will only be executed as a subtask at the approval and direction of the Owner.

In accordance with the Agreement and the General Conditions governing changes in the Work, Archer Western requests an equitable adjustment to the Phase 1 Contract Price to account for this additional scope.

Upon further definition and alignment of the Early Works scope, Archer Western will coordinate with the City to develop a separate Work Authorization or Amendment for execution of any approved Early Work Package.

The cost for the additional work is **Five Hundred Ninety-seven Thousand, Nine Hundred Thirty-four Dollars and Sixteen Cents (\$597,934.16)**

Should you have any questions or require additional information, please do not hesitate to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "J Ray". The signature is fluid and cursive, with the first letter "J" being large and the "Ray" part written in a more compact, connected style.

Jason Ray
Program Manager

PCI #: 002

Work Item #: _____ Sheet 1 Of 1

DATE OF WORK: _____

CONTRACTOR: Archer Western

DESCRIPTION OF WORK: Early Works Design Services

DESCRIPTION	Unit of Msr.	QTY.	MATERIAL		MANHOURS		LABOR		EQUIPMENT		SUB-CONTRACT		OTHER DIRECT COST		TOTAL
			UNIT	EXT.	UNIT	EXT.	RATE	EXT.	UP	EXT	UP	EXT	UP	EXT	
Labor															
						0.00		\$ -		\$0					\$ -
Lead Estimator	EA	1			70	70.00	\$197.00	\$ 13,790.00		\$0					\$ 13,790.00
Estimator	EA	3			100	300.00	\$174.00	\$ 52,200.00		\$0					\$ 52,200.00
						0.00		\$ -		\$0					\$ -
						0.00		\$ -		\$0					\$ -
						0.00		\$ -		\$0					\$ -
SUBTOTAL LABOR															\$ 65,990.00
Equipment / Materials/ Subcontract/ Other Direct Cost															
Stantec Early Works Design	LS	1.00		\$ -						\$ -	\$448,403.76	\$448,403.76		\$ -	\$ 448,403.76
Potholing Services	LS	1.00		\$ -						\$ -	\$ 20,000.00	\$ 20,000.00		\$ -	\$ 20,000.00
District Scheduling - Subcontractor	LS	1.00		\$ -						\$ -	\$ 5,000.00	\$ 5,000.00		\$ -	\$ 5,000.00
				\$ -						\$ -	\$ -	\$ -		\$ -	\$ -
				\$ -						\$ -	\$ -	\$ -		\$ -	\$ -
Safety Supplies at 3% of Labor	LS	0.00	\$ -	\$ -						\$ -	\$ -	\$ -		\$ -	\$ -
Small Tools at 5% of Labor	LS	0.00	\$ -	\$ -						\$ -	\$ -	\$ -		\$ -	\$ -
SUBTOTAL EQUIPMENT, MATERIALS, SUB-CONTRACT AND OTHER DIRECT COST															\$ 473,403.76
SUBTOTAL 1															\$ 539,393.76
TAX @ 9.25%			\$ -												
LABOR BURDEN @ 40%			\$ -												
SUBTOTAL 2			\$ -												
			370.00												
			\$ 65,990.00												
			\$ -												
			\$473,403.76												
			\$ -												
			\$ 539,393.76												
			FEE (9%)												
			\$ 48,545.44												
			GENERAL CONDITIONS (11.5%) - PHASE 2 ONLY												
			\$ -												
			SUBTOTAL COST												
			\$ 587,939.20												
			INSURANCE (1.7%)												
			\$ 9,994.97												
			GRAND TOTAL												
			\$ 597,934.16												

Moccasin Bend Environmental Camplus Class A
P.O.W.E.R Project

Project Name:	MBEC Class A POWER	Project No:	175677249
Client:	Archer Western	Client Contact Name / Phone:	Josh Vigneault /Jason Ray
Project Manager:	Becky Hachenburg	Change Generated By:	Matt Newhart
Creation Date:	2/13/2026	PCN:	Early Works PCN004
Revision Date:	3/19/2026 4/17/2026		

Required Change to Project Scope:

During development and planning for the Class A Power Project (Project) it has been identified by Archer Western (AW), Stantec, and the City of Chattanooga that several utilities within the limits of the Project would need to be rerouted. The scope definition, as currently outlined in the Basis of Design Report (BODR), also requires demolition of the existing Filter Press Building (FPB) to allow installation of the anaerobic digesters. The City of Chattanooga has elected to procure sludge-drying equipment and electrical generation equipment, which must be installed prior to the Class A Power Project’s design and installation being completed. The proposed equipment locations may conflict with the existing overhead powerlines.

To address the need for early works described above, this PCN has been developed to provide the following:

Task 1 – Filter Press Building (FPB) Materials Assessment

The demolition of the FPB building will require an assessment of the FPB materials of construction for hazardous materials. These materials potentially include Lead, asbestos, and Polychlorinated biphenyls (PCBs). Stantec will visit the site, conduct sampling, and provide an assessment report for the FPB building. This effort includes the following:

- Single mobilization for 2 staff from Nashville, TN, for sampling and assessing the building
- Up to 100 samples of the FPB materials

Task 2 – Overhead Electrical Line Relocation: 12.5 KV Circuits A and B West of Existing Filter Press Building

This task consists of re-directing the existing 12.5 KV overhead powerline (OHL) into below grade duct banks from a pole adjacent to the existing Electrical Power Board of Chattanooga (EPB) substation to a pole located between Centrifuge Building 2 and the Operations Building. The OHL relocations are described on the figure below.



This task assumes that no connections to the EPBs vacuum fault interrupters at the substation will be made

Task 3 – Overhead Electrical Line Relocation: 12.5 KV Circuits A and C East of Existing Filter Press Building and reallocated Vacon area

This task consists of re-directing the existing 12.5 KV overhead powerline (OHL) into below grade duct banks from a pole adjacent to the existing warehouse building to a pole located near the existing digestors. The OHL relocation near the warehouse is described on the preceding figure in Task 2. This task assumes that no connections to the EPBs vacuum fault interrupters at the substation will be made.

Task 4 – New Electrical Feed to the North Recycle Pump Station

This task will re-route the electrical feeds to the existing North Recycle Pump Station or new electrical feed for this pump station. This pump station is currently fed from the FPB which is slated for demolition.

Task 5 - Single Line Electrical Diagram

To support the relocation efforts, it has been identified that a primary single-line diagram (SLD) may not be available from the facility; to support electrical relocations and future project needs, the development of a primary SLD is included in this PCN. The SLD will be focused on the 12.5KV system.

Task 6 – Utility Corridor and Utility Locate Survey

The survey task will consist of the following activities:

The design team will prepare a topographical survey for the area shown in Fig. 1: Survey Limits Area 1. Contours will be shown at 1-foot intervals, with spot shots at approximately 50-foot intervals.

The design team will locate visible evidence of utilities and note invert elevations, pipe sizes, and pipe material for accessible sanitary and storm drainage structures. Utilities will be shown based on locations provided by plant staff and available mapping from record drawings. Up to 55 hours of field time has been included for the topographical survey shown in the extents below. This is based on a 2-person survey crew with mobilization and on-site activities for approximately 3 days.



Figure 1: Survey Limits Area 1

The design team will also survey utilities located via pothole by the Design Builder. Up to 40 hours of time is included in the scope of the project for utility pothole locating services which provides for travel and onsite activities for a 2-person survey crew for 2 days.

The Filter Press Building (FPB) area has been previously surveyed. The previous survey will be merged into the additional survey described above.

Task 7 – Utility Design

The utility design task will consist of the following activities:

- Update site layout drawings to show known utilities in the area, identify utilities in conflict with proposed future structures, and review with Stantec for concurrence and limits of demolition.
- Develop layout for relocation of utilities to avoid future structures. This will include relocation of the existing leachate line from the lime stabilization area to a new drain connection.
- Obtain utility requirement information from City to service new equipment provided under separate City contracts (including dryer and linear generator).
- Develop layout for new utilities to future City-provided equipment, including natural gas, biosolids gas reroute currently serving the FPB, communication conduit, potable water, drain (storm and plant), and a leachate line from City-procured linear generator gas scrubber unit. Profiles for gravity flow lines will be included. Sizing of all utility lines and confirmation of available source pressure/flow/capacity will be by others.
- Develop plan and profile design drawings for the gravity thickener supernatant effluent lines (2 total) and one thickener sludge force main from Thickener Pump Station No. 1 to route to east plant access road collection drain.

The following assumptions are applicable to the above scope of services:

- The design team will prepare approximately 26 drawing sheets associated with the Utility Design Work.
- The design team will complete the design of pipelines to convey biogas but assumes that compression or scrubbing of biogas, if needed, will be provided by others.
- The biosolids runoff basin is scoped to be demolished with underground utilities reconnected to drain. Basin redesign or replacement is not included in the design's team scope.

Task 8 – Filter Press Building (FPB) Utility Demolition and Removal

The design team will coordinate design for demolition of utilities associated with the FPB. The existing FPB is to be demolished (design by others). As part of this scope, the design team will show disconnection and isolation of identified utilities serving the building starting 10 feet outside the perimeter of the FPB that will be abandoned with the demolition of the building. Up to 15 individual utility connections are included in the scope of this project.

Task 9 – Design Demolition Plans for the Filter Press Building

Demolition of Filter Press Building will be indicated on site plans, internal building demolition details is by others. The design team will only create a general demolition specification.

Task 10 – Coordination with Linear Generator and Dryer Vendors.

The design team will coordinate with linear generator and dryer vendors to share information related to the design of site utilities. The design team will prepare for, attend, and support with note preparation for up to six meetings.

Task 11 – City of Chattanooga Land Disturbance Permit

The design team will develop and coordinate one land disturbance permit with the City of Chattanooga Land Development Office for early works overhead electrical modifications, utility design for linear generator and dryer, and FPB Demolition only.

The following assumptions are applicable to the above scope of services:

- The design team will submit one land disturbance permit application at final design of all of the following areas: site electrical modifications in Tasks 2 and 3 performed by Stantec, utility design as described in Task 7, and FPB Demolition as described in Task 8 and Task 9 by Stantec.
- All other permits required will be included as part of the GMP for Phase 2

	<ul style="list-style-type: none"> • The design team will respond to one round of permit comments received from the regulatory agency. • All permit application and review fees will be the responsibility of the City. <p>Task 12 – GMP Development</p> <p>This task provides for technical support to the GMP estimating, technical input to the RFP, and response reviews associated with the GMP development for the early works effort.</p> <p>KEY ASSUMPTIONS:</p> <ul style="list-style-type: none"> • Structural foundations are not required for the drying equipment and the relocated waste handling area • A 60% design package and IFC package will be provided; A 30% package or review is not included in this PCN. • Specs will be provided as notes on the design sheets for electrical design • Relocation of utilities for the oil and grease system (Greasezilla) is not required for early works (anticipated in a future package) • 12KV OHLs within the MBEC boundary are owned by the City • Coordination, with the local power utility is limited to 2 onsite meetings • Abatement and/or decontamination of the FPB is not within the scope of this PCN
Deliverables	<p>TASK 1 BUILDING ASSESSMENT</p> <ul style="list-style-type: none"> • Sampling Results • Confidential Regulated Building Materials Survey <p>TASK 2,3,4,5 ELECTRICAL RELOCATIONS</p> <ul style="list-style-type: none"> • Up to fifteen (15) sheets (routing and splicing details) • Up to Five (5) sheets of single line diagrams (SLD) • 60% draft submittal package • 60% design review meeting summary • Responses to Client’s comments, and revisions to final design documents • Final signed and sealed submittal package <p>TASK 6 SURVEY</p> <ul style="list-style-type: none"> • Updated survey model space file (.dwg format) <p>TASK 7 UTILITIES</p> <ul style="list-style-type: none"> • Updated survey model space file (.dwg format) • 60% draft submittal package • 60% design review meeting comments, comment responses, and revisions to final design documents • Final signed/sealed construction package <p>TASK 8 FILTER PRESS UTILITY DEMOLITION AND REMOVAL</p> <ul style="list-style-type: none"> • Updated survey model space file (.dwg format) • 60% draft submittal package • Final signed/sealed construction package <p>TASK 9 – DESIGN DEMOLITION PLANS FOR THE FILTER PRESS BUILDING</p> <ul style="list-style-type: none"> • Building demolition indicated on site plans <p>TASK 10 - LINEAR GENERATOR AND DRYER VENDORS COORDINATION</p> <ul style="list-style-type: none"> • Meeting minute notes

	<p>TASK 11 – CITY OF CHATTANOOGA LAND DISTURBANCE PERMIT</p> <p>The following deliverables will be provided as part of this task:</p> <ul style="list-style-type: none"> One City of Chattanooga Land Disturbance Office Permit Application 																																																						
<p>Proposed Adjustment to Fees:</p>	<p>This PCN requests:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Task Code</th> <th style="width: 70%;">Task Name</th> <th style="width: 20%;">Fixed Price Fee</th> </tr> </thead> <tbody> <tr><td>1</td><td>Filter Press Bldg Material Evaluation</td><td>\$27,951.16</td></tr> <tr><td>2</td><td>West OHL Relocate Circuits A,B</td><td>\$34,783.88</td></tr> <tr><td>3</td><td>East OHL Relocate Circuits A,C</td><td>\$32,620.68</td></tr> <tr><td>4</td><td>Recycle Pump Station Power</td><td>\$16,148.28</td></tr> <tr><td>5</td><td>Plant Electrical Single Line Diagram Development</td><td>\$43,961.34</td></tr> <tr><td>6</td><td>Utility Corridor and Utility Locate Survey</td><td>\$40,347.06</td></tr> <tr><td>7</td><td>Utility Design for Dryer and LGen</td><td>\$135,858.32</td></tr> <tr><td>8</td><td>Filter Press Building (FPB) Utility Demolition</td><td>\$37,111.04</td></tr> <tr><td>9</td><td>Design Demolition Plans for the Filter Press Building</td><td>\$3,861.32</td></tr> <tr><td>10</td><td>Coordination with Linear Generator and Dryer Vendors</td><td>\$27,555.44</td></tr> <tr><td>11</td><td>City of Chattanooga Land Disturbance Permit</td><td>\$28,249.72</td></tr> <tr><td>12</td><td>GMP Support</td><td>\$19,955.52</td></tr> <tr><td></td><td>TOTAL</td><td>\$448,403.76</td></tr> </tbody> </table> <p><small>*see breakdown attached, including Barge’s proposal dated 4/17/2026</small></p>			Task Code	Task Name	Fixed Price Fee	1	Filter Press Bldg Material Evaluation	\$27,951.16	2	West OHL Relocate Circuits A,B	\$34,783.88	3	East OHL Relocate Circuits A,C	\$32,620.68	4	Recycle Pump Station Power	\$16,148.28	5	Plant Electrical Single Line Diagram Development	\$43,961.34	6	Utility Corridor and Utility Locate Survey	\$40,347.06	7	Utility Design for Dryer and LGen	\$135,858.32	8	Filter Press Building (FPB) Utility Demolition	\$37,111.04	9	Design Demolition Plans for the Filter Press Building	\$3,861.32	10	Coordination with Linear Generator and Dryer Vendors	\$27,555.44	11	City of Chattanooga Land Disturbance Permit	\$28,249.72	12	GMP Support	\$19,955.52		TOTAL	\$448,403.76										
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 FEE ESTIMATE - MBEC Class A POWER (PCN004)

	Project Manager	Design Manager	Design Manager	Discipline Designer	Discipline Engineer	Discipline Lead	Discipline Designer	Discipline Designer	Discipline Designer	Discipline Lead	Discipline Designer	Discipline Designer	BIM Manager	Project Controls	Project Admin	Project Admin	Travel Expense	Lab	Barge
Name	Hachenburg, Becky	Stephens, Nicole	Newhart, Matt	Dillavou, Jack	Morse, Boyd	Desai, Saurabh	Choudhari, Vineet	Patil, Jitendra	Shah, Parit	Malcolm, Richard	Wilson, Anna	Van Egtern, Trenton	Martin, Adam	Albright, Tim	Franks, Trent	La, Jimmy			
Project Billing Rate	\$313.66	\$248.77	\$248.77	\$162.24	\$216.32	\$297.44	\$162.24	\$162.24	\$162.24	\$297.44	\$162.24	\$286.62	\$216.32	\$162.24	\$162.24	\$1.00	\$1.00	\$1.00	
Total Units	58	38	114	40	78	156	115	95	80	8.5	34	34	16	12.5	4.5	4.5	4,075	8,200	241,000
Fee	\$18,192.28	\$9,453.26	\$28,359.78	\$6,489.60	\$16,872.96	\$46,400.64	\$18,657.60	\$15,412.80	\$12,979.20	\$2,528.24	\$5,516.16	\$5,516.16	\$4,585.92	\$2,704.00	\$730.08	\$730.08	\$4,075.00	\$8,200.00	\$241,000.00

Project Summary	Hours	Labor	Expense	Subs	Total
Fixed Fee	888	\$195,128.76	\$4,075.00	\$249,200.00	\$448,403.76

Task Code	Task Name	Units																	
1	Filter Press Bids Material Evaluation	2		12	2					8.5	34	34		1	0.5	0.5	1,875	8,200	
2	West OHL Relocate Circuits A,B	2		16	2	30	22	55	35				4	0.5	0.5	0.5	800		
3	East OHL Relocate Circuits A,C	2		16	2	20	22	45	45				4	0.5	0.5	0.5	800		
4	Recycle Pump Station Power	2		8	2	10	16	15	15				4	0.5	0.5	0.5			
5	Plant Electrical Single Line Diagram Development	2		10	2	8	80			80			4	0.5	0.5	0.5	600		
6	Utility Corridor Survey	4		2	2								0	0.5	0.5	0.5			38,000
7	Utility Design for Dryer and Legn	6	12	8	6								4	0.5	0.5	0.5			127,000
8	Filter Press Building (FPB) Utility Demolition	6	4	8	6									0.5	0.5	0.5			31,000
9	Design Demolition Plans for the Filter Press Building	2		8	6									0.5	0.5	0.5			
10	Coordination with Linear Generator and Dryer Vendors	10	6	6	4		6												19,000
11	City of Chattanooga Land Disturbance Permit	4		4															26,000
12	GMP Support	16	16	16	6	10	10							4					

Task Type	Hours	Labor	Expense	Subs	Total
Fixed Fee	94.5	\$17,876.16	\$1,875.00	\$8,200.00	\$27,951.16
Fixed Fee	167.5	\$33,983.88	\$900.00	\$0.00	\$34,783.88
Fixed Fee	157.5	\$31,820.68	\$800.00	\$0.00	\$32,620.68
Fixed Fee	73.5	\$16,148.28	\$0.00	\$0.00	\$16,148.28
Fixed Fee	187.5	\$43,361.34	\$600.00	\$0.00	\$43,961.34
Fixed Fee	9.5	\$2,347.06	\$0.00	\$38,000.00	\$40,347.06
Fixed Fee	37	\$8,858.32	\$0.00	\$127,000.00	\$135,858.32
Fixed Fee	25.5	\$6,111.04	\$0.00	\$31,000.00	\$37,111.04
Fixed Fee	17.5	\$3,861.32	\$0.00	\$0.00	\$3,861.32
Fixed Fee	32	\$8,555.44	\$0.00	\$19,000.00	\$27,555.44
Fixed Fee	8	\$2,249.72	\$0.00	\$26,000.00	\$28,249.72
Fixed Fee	78	\$19,955.52	\$0.00	\$0.00	\$19,955.52

Barge Design Solutions, Inc. (Barge) will provide the following additional scope of services for Stantec Consulting Services, Inc. (Stantec) for Archer Western (Design Builder) for the MBEC Phase I - Early Works Civil Design Package, in accordance with the Professional Services Agreement (Agreement) dated **March 27, 2025**. The scope of work is presented in the following elements:

- I. Project Description
- II. Scope of Services
- III. Project Schedule
- IV. Compensation
- V. Additional Services

I. Project Description

Stantec has asked Barge to support in the development of an early works package for pipeline design of utilities, civil site work, and permitting work associated with new equipment installation under the direction of the City of Chattanooga (City).

II. Scope of Services

The scope of services is summarized in the following major tasks:

Task 1 – Filter Press Building Materials Assessment (**STANTEC only**)

Task 2 – Relocation of Existing 12.5 KV Overhead Powerline (**STANTEC only**)

Task 3 – Relocation of Overhead Powerline C (**STANTEC only**)

Task 4 – New Electrical Feed to the North Pump Station (**STANTEC only**)

Task 5 – Site-wide Single Line Electrical Diagram (**STANTEC only**)

Task 6 – Utility Corridor Survey

Task 7 – Utility Design

Task 8 – Filter Press Building (FPB) Utility Demolition and Removal

Task 9 – Design Demolition Plans for the Filter Press Building (**STANTEC only**)

Task 10 – Linear Generator and Dryer Vendors Coordination

Task 11 – City of Chattanooga Land Disturbance Permit

The following sections provide a description of the purpose, activities, and deliverables anticipated for each of the tasks.

Task 1 – Filter Press Building Materials Assessment

This is a Stantec based activity. Barge will have no activities associated with this task.

Task 2 – Relocation of Existing 12.5 KV Overhead Powerline

This is a Stantec based activity. Barge will have no activities associated with this task.

Task 3 – Relocation of Overhead Powerline C

This is a Stantec based activity. Barge will have no activities associated with this task.

Task 4 – New Electrical Feed to the North Pump Station

This is a Stantec based activity. Barge will have no activities associated with this task.

Task 5 – Site-wide Single Line Electrical Diagram

This is a Stantec based activity. Barge will have no activities associated with this task.

Task 6 – Utility Corridor Survey

The survey task will consist of the following activities:

- Barge will prepare a topographical survey for the area shown in Fig. 1: Survey Limits Area 1.
- Contours will be shown at 1-foot intervals, with spot shots at approximately 50-foot intervals.
- Barge will locate visible evidence of utilities and note invert elevations, pipe sizes, and pipe material for accessible sanitary and storm drainage structures.
- Utilities will be shown based on locations provided by plant staff and available mapping from record drawings. Up to 55 hours of field time has been included for the topographical survey shown in the extents below.
- Barge will field survey pipelines and items potholed by Design Builder. Up to 40 hours of time is included in the scope of the project for pothole locating services.
- The Filter Press Building (FPB) area has been previously surveyed. The previous survey will be merged into the additional survey described above.



Figure 1: Survey Limits Area 1

Deliverables:

The following deliverables will be provided as part of this task:

- Updated survey model space file (.dwg format)

Task 7 – Utility Design

The utility design task will consist of the following activities:

- Update site layout drawings to show known utilities in the area, identify utilities in conflict with proposed future structures, and review with Stantec for concurrence and limits of demolition.
- Develop layout for relocation of utilities to avoid future structures. This will include relocation of the existing leachate line from the lime stabilization area to a new drain connection.
- Obtain utility requirement information from City to service new equipment provided under separate City contracts (including dryer and linear generator).
- Develop layout for new utilities to future City-provided equipment, including natural gas, biosolids gas reroute currently serving the FPB, communication conduit, potable water, drain (storm and plant), and a leachate line from City-procured linear generator

gas scrubber unit. Profiles for gravity flow lines will be included. Sizing of all utility lines and confirmation of available source pressure/flow/capacity will be by others.

- Develop plan and profile design drawings for the gravity thickener supernatant effluent lines (2 total) and one thickener sludge forcemain from Thickener Pump Station No. 1 to route to east plant access road collection drain.

Deliverables:

The following deliverables will be provided as part of this task:

- Updated survey model space file (.dwg format)
- 60% draft submittal package
- 60% design review meeting comments, comment responses, and revisions to final design documents
- Final signed/sealed construction package

Assumptions:

The following assumptions are applicable to the above scope of services:

- Barge will prepare approximately 26 drawing sheets associated with the Utility Design Work.
- Barge will complete the design of pipelines to convey biogas but assumes that compression or scrubbing of biogas, if needed, will be provided by others.
- The biosolids runoff basin is scoped to be demolished with underground utilities reconnected to drain. Basin redesign or replacement is not included in the Barge scope.

Task 8 – Filter Press Building (FPB) Utility Demolition and Removal

Barge will coordinate design for demolition of utilities associated with the FPB. The existing FPB is to be demolished (design by others). As part of this scope, Barge will show disconnection and isolation of identified utilities serving the building starting 10 feet outside the perimeter of the FPB that will be abandoned with the demolition of the building. Up to 15 individual utility connections are included in the scope of this project.

Deliverables:

The following deliverables will be provided as part of this task:

- Updated survey model space file (.dwg format)

- 60% draft submittal package
- Final signed/sealed construction package

Assumptions:

The following assumptions are applicable to the above scope of services:

- Barge will indicate demolition of Filter Press Building on site plans, internal building demolition details including assessment of hazardous conditions and materials is by Stantec or others. Barge will create a general demolition specification, but a detailed report of hazardous conditions will be referenced and prepared by Stantec or others.

Task 9 – Design Demolition Plans for the Filter Press Building

This is a Stantec based activity. Barge will have no activities associated with this task.

Task 10 – Linear Generator and Dryer Vendors Coordination

Barge will coordinate with linear generator and dryer vendors to share information related to the design of site utilities. Barge will prepare for, attend, and support with note preparation for up to six in-person meetings.

Deliverables:

The following deliverables will be provided as part of this task:

- Meeting minute notes

Task 11 – City of Chattanooga Land Disturbance Permit

Barge will develop and coordinate one land disturbance permit associated with City of Chattanooga Land Development Office for early works overhead electrical modifications, utility design for linear generator and dryer, and FPB Demolition only.

Deliverables:

The following deliverables will be provided as part of this task:

- One City of Chattanooga Land Disturbance Office Permit Application

Assumptions:

The following assumptions are applicable to the above scope of services:

- Barge will submit one land disturbance permit application at final design of all of the following areas: site electrical modifications in Tasks 2 and 3 performed by Stantec, utility design as described in Task 7, and FPB Demolition as described in Task 8 and Task 9 by Stantec.
- Barge will respond to one round of permit comments received from the regulatory agency.
- All permit application and review fees will be the responsibility of the City.
- All other permits required will be included as part of the GMP for Phase 2.

III. Project Schedule

The preliminary project schedule is shown below. Permitting assumed a total of 3 months for approval.

Tasks	Duration (months)
Task 6 – Utility Corridor Survey	2
Task 7 – Utility Design	3
Task 8 – Filter Press Building (FPB) utility demolition and removal	1
Task 10 – Linear Generator and Dryer Vendors Coordination	2
Task 11 – City of Chattanooga Land Disturbance Permit	3

Barge and Stantec are aware that many factors outside Barge’s control may affect Barge’s ability to complete the services to be provided under this Scope of Services. Barge will perform these services with reasonable diligence and expediency, consistent with sound professional practices.

IV. Compensation

Stantec agrees to pay Barge a Lump Sum Fee as listed in the table below to complete the scope of work as defined in the tasks above. Barge will submit monthly invoices based on percent of work completed to date. The project status will be summarized monthly in our progress report and invoice submittal. Tasks shown below are subject to authorization as directed by the client.

Fee Summary Table

Tasks	Fee Type	Fee Amount
Task 6 – Utility Corridor Survey	Lump Sum	\$38,000.00
Task 7 – Utility Design	Lump Sum	\$127,000.00
Task 8 – Filter Press Building (FPB) Utility Demolition and Removal	Lump Sum	\$31,000.00
Task 10 – Linear Generator and Dryer Vendors Coordination	Lump Sum	\$19,000.00
Task 11 – City of Chattanooga Land Disturbance Permit	Lump Sum	\$26,000.00
TOTAL		\$241,000.00

V. Additional Services

Additional engineering support services, including but not limited to the items listed below, can be provided upon request and approval of detailed scope and fee by Stantec.

- Services for making revisions to drawings and specifications made necessary by the acceptance of substitute materials or equipment other than “or-equal” items proposed by the Design Builder; and services after the award of the Contract(s) for evaluation and determining the acceptability of substitutions proposed by the Design Builder.
- Wetland delineation and all future wetland modification permit applications preparation are not provided under this contract but can be performed as an additional service.
- Services resulting from significant changes in the scope, extent, or character of the portions of the Project designed or specified by Engineer or its design requirements including, but not limited to, changes in size, complexity, schedule, character of construction, or method of financing; design changes initiated by Stantec after Stantec's acceptance of this proposal; and revising previously accepted studies, reports, drawings, specifications, or contract documents when such revisions are required by changes in laws and regulations enacted subsequent to the Effective Date of this Agreement or are due to any other causes beyond Engineer 's control.

- Involvement with and responding to a formal Value Engineering review conducted by a third party. Revisions of design, drawings, and specifications arising from the formal third-party Value Engineering review which cause changes in the general scope, extent, or character of the Project, including but not limited to changes in size, complexity, Stantec's schedule, character of construction, or method of financing.
- Providing any type of property or boundary surveys, preparing legal descriptions, or related engineering services or assistance needed for the transfer of interest in real property or acquisition of easements and rights-of-way; providing construction surveys and staking to enable Design Builder to perform its work; and providing other special field surveys.
- Resident Project Representative work and construction administration is not provided under this contract but can be performed as an additional service.

RESOLUTION

A RESOLUTION AUTHORIZING AN AWARD OF A SMALL BUSINESS INCENTIVE GRANT TO APHB OUTFITTERS, LLC D/B/A MOUNTAIN OUTFITTERS, IN THE AMOUNT OF TEN THOUSAND DOLLARS (\$10,000.00).

BE IT RESOLVED, that the Industrial Development Board be and is hereby authorizing an award of a Small Business Incentive Grant to APHB Outfitters, LLC d/b/a Mountain Outfitters, in the amount of \$10,000.00.

ADOPTED: May 4, 2026

THE INDUSTRIAL DEVELOPMENT
BOARD OF THE CITY OF CHATTANOOGA

Attest:

ALTHEA R. JONES, *Chair*

JIM FLOYD, *Secretary*

SBI-(35)



INDUSTRIAL DEVELOPMENT BOARD

RESOLUTION REQUEST FORM

Date Prepared: April 22, 2026
Department: Econ Dev
Agenda Date: May 4, 2026

Preparer: Winston Brooks

Brief Description of Purpose for Resolution:

A RESOLUTION AUTHORIZING THE AWARD OF SMALL BUSINESS INCENTIVE GRANTS TO APHB OUTFITTERS, LLC D/B/A MOUNTAIN OUTFITTERS IN THE AMOUNT OF \$10,000.00.

Notes:

Amount (If Any):

\$10,000

Name Approved by Designated Official/ Administrator:

PLEASE SEND COMPLETED FORM TO: pnoblett@chattanooga.gov and mmanalla@chattanooga.gov

FOR USE BY OCA OFFICE FOR BOARD PURPOSES ONLY
FORM - 10/17/2025



Industrial Development Board Company Summary

Incentive Type:

Growing Small Business Incentive

Company Name:

APHB Outfitters, LLC d/b/a Mountain Outfitters

Physical Address:	3001 Broad Street, Chattanooga, TN 37408
Mailing Address:	3001 Broad Street, Chattanooga, TN 37408
Phone Number:	864-706-1575
Federal Tax ID Number:	994875412353
Web Address (URL):	https://themountainoutfitters.com
Corporate Structure:	Limited Liability Company
Primary Industry:	Retail
SETD Recommendation for Approval?	Yes
Recommended Award Amount for Job Creation:	\$9,684.00
Recommended Additional Award Amount for Reimbursement of Eligible Expenses:	\$316.00
Recommended Total Award Amount?	\$10,000.00

Date: May 4, 2026

TO: Industrial Development Board of Chattanooga Appointed Members

FROM: Winston Brooks, Director of Economic Development and Entrepreneurship

SUBJECT: Recommendation for Approval of Growing Small Business Incentive Grant for APHB Outfitters, LLC d/b/a Mountain Outfitters

Recommended Action:

Staff recommends the approval of a \$10,000.00 Growing Small Business Incentive grant for APHB Outfitters, LLC, operating locally as Mountain Outfitters. The applicant has demonstrated local job growth and is in full compliance with all city and state requirements, resulting in an official recommendation for approval by SETD.

Company Profile

Mountain Outfitters is a for-profit retail business providing essential clothing, shoes, and gear. The business operates out of a commercial storefront located at 3001 Broad Street, Chattanooga, TN 37408. The entity is a registered Tennessee Limited Liability Company (LLC) managed by its owners, Haynes Burnett and Anne Porcher Burnett.

Grant Breakdown

The recommended total award amount of \$10,000.00 is structured to support both the company's workforce expansion and business costs. The grant funds are allocated as follows:
\$9,684.00 for Job Creation
\$316.00 for the Reimbursement of Eligible Expenses.

Job Creation Impact

Mountain Outfitters aligns with the goals of the Growing Small Business Incentive. The business maintains a small footprint with fewer than 100 total full-time jobs across all locations combined. On the date of their first qualified hire, March 19, 2025, the company had just 5 employees. Over the 18-month period beginning on that start date, Mountain Outfitters successfully created 17 new jobs.

Compliance and Standing

Staff has verified that Mountain Outfitters meets all necessary municipal and state criteria to receive this grant: Licensing & Registration: The company is fully registered to conduct business in Tennessee and maintains an active status with an initial filing date of May 23, 2024.

Tax Compliance: All ad valorem taxes and business taxes have been paid in full. Furthermore, the company holds active City of Chattanooga and Hamilton County Standard Business Tax Licenses, valid through May 2026.

Good Standing: The LLC holds a "Good" standing across all administrative, registered agent, and revenue requirements.

Recommendation

Given the clear demonstration of job creation—adding 17 new employees to the local economy—and their flawless compliance record, staff strongly supports this application. We recommend that the Industrial Development Board approve the full \$10,000.00 grant package to reward and further encourage Mountain Outfitters' positive economic impact within the City of Chattanooga.

Fiscal Impact

Funds will come from account NR11 Z00303 with a balance of \$83,082.02.

SMALL BUSINESS INCENTIVE GRANT AGREEMENT

This Small Business Incentive Grant Agreement ("Agreement") is entered by and between the City of Chattanooga Industrial Development Board ("Grantor") and **APHB Outfitters, LLC d/b/a Mountain Outfitters**, a Tennessee LLC with an address at **3001 Broad Street, Chattanooga, TN 37408** ("Business").

The purpose of the City of Chattanooga Small Business Incentive Grant Program ("Program") is to support economic development in the City of Chattanooga, Tennessee by incentivizing small businesses, as defined in the Chattanooga City Code, to create more jobs. The Program incentives will be in the form of various specified monetary awards (the "Award") that local small businesses will receive from the Grantor. The source of funding for this Program comes from the City of Chattanooga Industrial Development Board.

The total amount of the Award under this Agreement is Ten Thousand and 00/100 (**\$10,000.00**) in recognition of the Business' creation of seventeen (**17**) full time jobs in the previous eighteen (18) months prior to application.

2. ACKNOWLEDGEMENT OF BUSINESS OBLIGATIONS. Business hereby acknowledges and agrees that: (a) this Award is made in reliance on Business' representations, warranties, covenants and agreements made herein and in their application submitted to the City of Chattanooga ECD, and that (b) upon any violation or breach of any such representation, warranty, covenant or agreement (including, without limitation, Business' failure or refusal to complete and submit the Application within the time period specified herein), Business shall be subject to any and all remedies listed in Section 8, including repayment of the full Award to Grantor, as well as any amounts the Grantor determines Business received under the Program, all as further provided herein.

3. CONDITIONS TO PAYMENT OF FUNDS; PAYMENT TERMS. The Business must complete and sign this Agreement and IRS W-9 form and submit these items along with the following documents: the application that the Business submitted when applying to the Program, the spreadsheet containing the number of new jobs that were created and the corresponding salaries, state and local business licenses, certificate of existence, and photos from the site visit ("Verifying Information"), as provided in the Program requirements. If you are unable to complete an IRS W-9 form with an EIN (not your social security number) because you are a sole- proprietor, please also submit Schedule C of IRS form 1040.

Disbursements of the Award will be made upon Grantor's receipt and review of an executed original of this Agreement together with copies of all Verifying Information from the Business. Upon Grantor's confirmation of all required documentation and determination of Award, the Award shall be tendered in the form of a paper check that will be sent to the Business via certified mail or can be picked up in person from the City of Chattanooga ECD Office.

4. BUSINESS' REPRESENTATIONS AND WARRANTIES. Business represents and warrants to Grantor as follows:

a. *Authority and validity of obligations.* Business has full right and authority to enter into this Agreement. The person signing this Agreement has full authority to sign this Agreement on behalf of the Business, and obligate the Business to the performance of each and all of the obligations under the Agreement.

b. *Compliance with Laws.* To the best of its knowledge, information, and belief after reasonable due diligence and investigation to determine the accuracy of this representation, Business represents that it is in compliance with the requirements of all federal, state and local laws, rules and regulations applicable to or pertaining to the operations of Business.

c. *Application.* All statements and information contained in this Agreement, the application or any other form or document submitted by Business in connection with the Program are true, complete and correct, as of the date hereof.

d. *Size of Business.* The Business employed 100 or fewer persons either at the time of the application or as of the date of this Agreement.

5. COVENANTS OF BUSINESS. The Business covenants that:

a. *Performance Obligations.* Business shall comply with all terms and conditions of this Agreement. Business shall promptly provide Grantor with written notice of any changes that would materially impact compliance with the covenants contained herein.

b. *Repayment Obligations.* Upon (i) the occurrence of an unremedied Event of Default (as described in Section 6) or (ii) a determination by Grantor that the Award was granted to the Business in contravention of the federal or state rules or regulations for the Program, the Business shall promptly repay the Award and/or such Program amounts determined by the Grantor to be due and payable.

c. *Required Reports.* During the Term of this Agreement, the Business shall provide the Grantor with such reports as requested by the Grantor to assist in evaluation of the Program's effectiveness and to determine compliance with this Agreement.

d. *Verification of Award Use, Maintenance of Records.* Business shall maintain all records, documentation and other evidence pertaining to this Agreement for no less than five (5) years after the date the Award is deposited in Business' account.

e. *Inspection and Audit.* Business shall permit the Grantor and its duly authorized representatives to visit

and inspect any of the Business's properties, books, accounts and financial records related to the purposes of the Award, and to discuss the affairs, finances and accounts with, and to be advised as to the same by, its officers, and independent public accountants.

f. *Compliance with Laws.* Business will comply in all material respects with the requirements of all applicable federal, state and local laws, rules, and regulations.

g. *Indemnification.* Business agrees to indemnify,

defend and hold harmless the Grantor, and their respective departments, divisions, agencies, sections, commissions, officers, employees and agents, from and against all losses, liabilities, penalties, fines, damages and claims, and all related costs and expenses (including reasonable attorneys' fees and disbursements and costs of investigation, litigation, settlement, judgments, interest and penalties), arising from or in connection with any of the following: (i) any claim, demand, action, citation or legal proceeding arising out of or resulting from the Award; (ii) any claim, demand, action, citation or legal proceeding arising out of or resulting from a breach by Business of any representation or warranty made by the Business in this Agreement; (iii) any claim, demand, action, citation or legal proceeding which results from an act or omission of Business or any of their agents in its or their capacity as an employer of a person; and (iv) any claim, demand, action, citation or legal or administrative proceeding arising out of or resulting from Business' breach of the terms and covenants set forth herein.

6. EVENTS OF DEFAULT. Any one or more of the following shall constitute an event of default (an "Event of Default") hereunder:

a. *Noncompliance with Agreement.* Business' default in the observance or performance of any provision of this Agreement;

b. *Material Misrepresentation.* Any representation or warranty made in this Agreement, the Certification or in any other form or document furnished by the Business pursuant to this Agreement, or in connection with the Program, proves untrue, inaccurate or incomplete in any material manner as determined in the sole discretion of the Grantor;

7. REMEDIES UPON DEFAULT. If, after notice of default and opportunity to cure (if any), there remains an unremedied Event of Default, the Grantor may, at its sole discretion, take any or all of the following actions:

a. Terminate this Agreement and all of the obligations of Grantor under this Agreement on the date stated in such notice,

b. Declare the total amount of Award funds disbursed to Business, or any portion thereof, in an amount determined by the Grantor to be forthwith due and payable, including any and all fees, charges and other amounts payable under this Agreement. The total amount due shall be and become immediately due and payable without further demand, presentment, protest or notice of any kind.

c. Pursue and/or exercise any other right or remedy that Grantor may have, whether at law or in equity.

8. SUSPENSION AND TERMINATION. The Grantor may suspend or terminate this Agreement in whole

or in part, for cause, when the Business has failed in whole or in part to meet its commitments and obligations as outlined in this Agreement. Termination for cause may be considered an Event of Default.

9. GOVERNING LAW. This Agreement and the rights and duties of the parties hereto shall be governed by, and construed in accordance with the internal laws of the State of Tennessee without regard to principles of conflicts of laws.

10. NOTICES. All notices hereunder shall be in writing and shall be given to the relevant party at its address or e-mail address as set forth in the signature block on the last page of this Agreement.

11. HEADINGS. Section headings used in this Agreement are for convenience of reference only and are not a part of this Agreement for any other purpose.

12. WAIVERS. No waiver by the Grantor of any default hereunder shall operate as a waiver of any other default or of the same default on any future occasion. No delay on the part of the Grantor in exercising any right or remedy hereunder shall operate as a waiver thereof. No single or partial exercise of any right or remedy by Grantor shall preclude future exercise thereof or the exercise of any other right or remedy.

13. SURVIVAL OF REPRESENTATIONS. All representations and warranties made herein or in any other Agreement document or in certificates given pursuant hereto or thereto shall survive the execution and delivery of this Agreement and the other Agreement documents and shall continue in full force and effect with respect to the date as of which they were made until all of Business's obligations or liabilities under this Agreement have been satisfied.

14. NON-ASSIGNMENT. This Agreement may not be assigned by Business without prior written consent of the Grantor.

15. MISCELLANEOUS.

a. *Effective Date.* The Effective Date of this Agreement shall be the date upon which the Agreement is signed by the Grantor's authorized signatory and the above representations and warranties shall be deemed to be ongoing during the Term of this Agreement.

b. *Contract Documents.* The resolution authorizing the Award and the application along with supporting documentation shall be attached hereto, and incorporated herein, as **Exhibit A**.

16. INTEGRATION. This Agreement represents the entire and integrated agreement between Grantor and Business. This Agreement may only be modified by a written amendment signed by authorized representatives of both the Grantor and Business.

The Parties to this Agreement have read and understood the terms herein. By signing below, each party affirms that he or she is an authorized signatory on behalf of the contracting entity and has the authority to enter into this legally binding agreement on its behalf. The Parties agree to be bound by the terms set forth herein.

GRANTOR

Grantor's Authorized Representative Signature

Printed Name

Title

Date ("Effective Date")

BUSINESS

Entity's Name

Business' Authorized Representative Signature
(CEO, President, Officer, etc.)

Printed Name

Title

Date

Contact Information for Notice and

Communications: **GRANTOR**

Industrial Development Board of the City of
Chattanooga
Attn: Winston Brooks
101 E. 11th Street, 3rd Floor
Chattanooga, TN 37402
(423) 643-7353
wbrooks1@chattanooga.gov

With a copy to:
CITY OF CHATTANOOGA
OFFICE OF THE CITY ATTORNEY
100 EAST 11TH STREET, SUITE 200
CHATTANOOGA, TN 37402
(423) 643-8250

BUSINESS

Mountain Outfitters
Attn: Haynes and Anne Burnett
3001 Broad Street
Chattanooga, TN 37408
Cell: (864) 706-1575
Email: aporcherburnett@gmail.com