

COAL CITY
VILLAGE BOARD MEETING
Wednesday, February 8, 2023
7:00 P.M.

AGENDA

1. Call Meeting to Order
2. Pledge of Allegiance
3. Approval of Minutes January 25, 2023
4. Approval of Warrant List
5. Public Comment
6. Adoption of Annual Zoning Map
7. Authorization of payment # 3 to D Construction for Waste Water Treatment Plant Improvements for \$233,158.70
8. Authorize entering into the Grundy County Multimodal Multijurisdictional Transportation Master Plan
9. Authorize Mayor Halliday to enter into Professional Service Agreement with Ann L. Schneider & Associates, LLC

10.Support the Proposal for the Placement of Electric Vehicle Chargers
Proposed by the Carbon Solutions Group

11.Update on Well #3 Improvements and Possible Increase for Maximum
Expenditure

12.Report of Mayor

13.Report of Trustees S. Beach
 T. Bradley
 D. Spesia
 D. Greggain
 R. Bradley
 D. Togliatti

14.Report of Village Clerk

15.Report of Village Attorney

16.Report of Village Engineer

17.Report of Village Chief of Police

18.Report of Village Administrator

19.Adjourn

MEMO

TO: Mayor Halliday and the Board of Trustees

FROM: Matthew T. Fritz
Village Administrator

MEETING

DATE: February 8, 2023

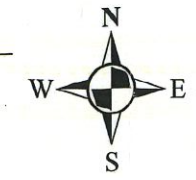
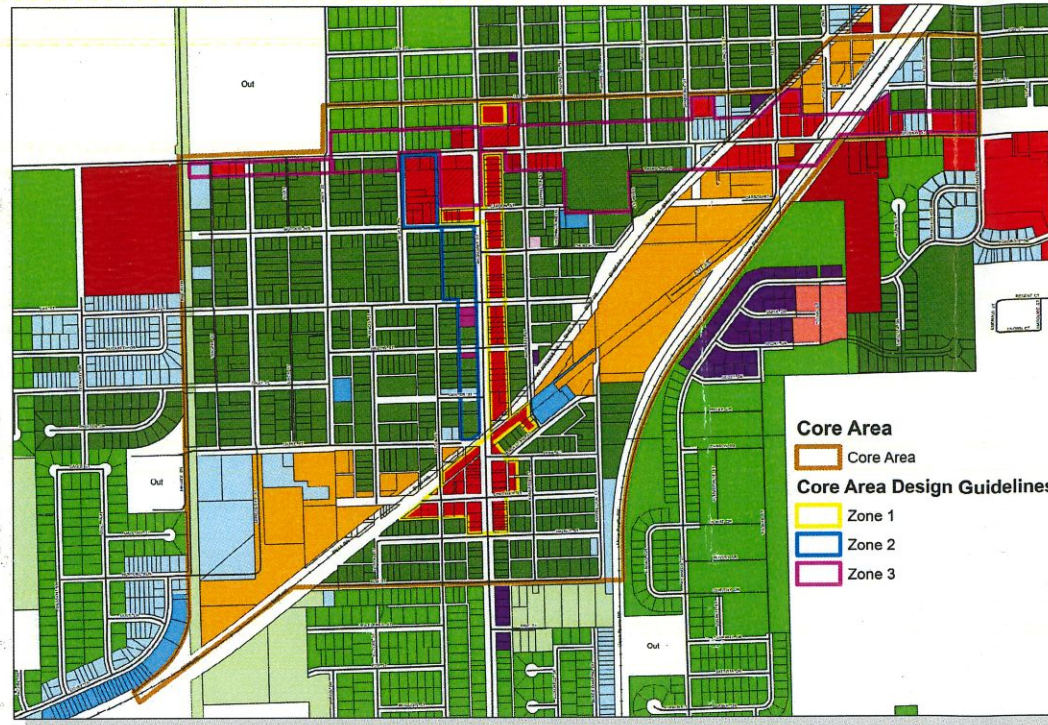
RE: ANNUAL ZONING MAP REVIEW

Each year, the Village adopts an Annual Zoning Map to comply with State statute to ensure a review occurs at least each year during the first quarter. As the last zoning map was adopted changes and amendments were being made related to a few orphan parcel near the east side of the McCoy Marina parcels.

The map was reviewed by the Planning & Zoning Board at its last meeting after Kyle found two parcels to be included within the Village upon annexation and be provided with their C-5 zoning.

Recommendation:

Adopt the 2023 Annual Zoning Map.



Village of Coal City, Illinois
 Zoning Map 2022

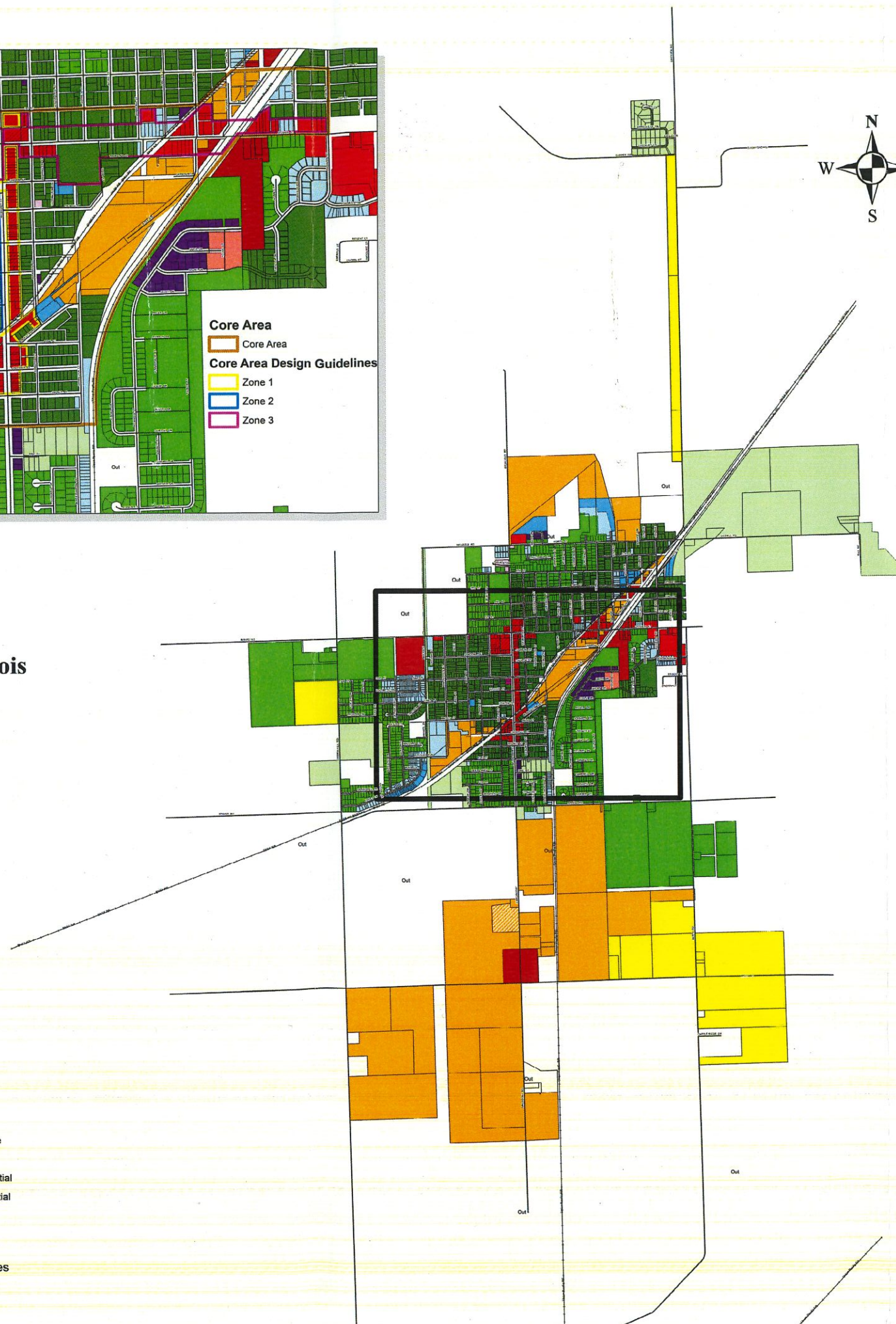
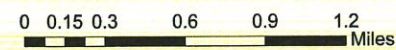
Village Trustees

Sarah Beach, David Spesia, Dave Togliatti
 Ross Bradley, Dan Greggain, Tim Bradley

Terry Halliday Mayor
 Matthew Fritz Administrator
 Chris Harscim Chief of Police
 Pamela Noffsinger Village Clerk

Coal City Zoning Classes

- A-1: Agricultural
- C-1: Convenience Commercial
- C-2: Neighborhood Commercial
- C-3: Community Commercial
- C-4: Downtown Commercial
- C-5: Highway Commercial
- I1: Industrial
- O1: Local Office
- O2: Office Park
- RA-1: Attached Residential
- RB: Residence Business
- RM-1: Low Density Multi Family Residential
- RM-2: High Density Multi Family Residential
- RM-3: High Density Multi Family Mobile Home
- RS-1: Low Density Single Family Residential
- RS-2: Medium Density Single Family Residential
- RS-3: Medium to High Single Family Residential
- MU-1 Mixed Use per Ordinance



MEMO

TO: Mayor Halliday and the Board of Trustees

FROM: Matthew T. Fritz
Village Administrator

MEETING

DATE: February 8, 2023

RE: PAY REQUEST #3 FOR THE SANITARY MODERNIZATION PROJECT

Attached is a recommendation from Chamlin Engineering for the next payment to D Construction for work completed to date at the Sanitary Treatment Plant. This payment will bring their totaled paid to date upwards to 67% of the total project bid of \$1.8 million. Due to the utilization of the sanitary plant modernization project proceeds for additional expenses above those provide for its designed engineering project, below is the projected utilization of funds prior to any fund balance being allocated for items to come up to include any change orders.

Project Total Proceeds/ Remaining Balance	Vendor Payments	
\$2,300,000		
	Previous Chamlin Payments	\$136,904
	Previous D Construction Pays	970,332
\$1,192,764		
	Current Chamlin Payment (warrant list)	\$15,937
	Current D Construction Pay	\$233,159
\$943,668		
	Future Chamlin Project payments	\$11,009
	Future D Construction Pays	\$596,509
\$336,150		
	Other Related Projects	
	Clarifier Arm Repair	\$79,000
	Underground Piping Replacement	\$48,000
	Utility Paving Sections	\$100,000
<u>\$109,150</u>		

Recommendation:

Authorize a payment to D Construction for Pay Request #3 totaling \$233,158.70 for work completed on the Sanitary Modernization Project.



221 West Washington Street • Morris, IL 60450
Phone 815.942.1402 • Fax 815.942.1471
morris@chamlin.com • www.chamlin.com

January 23, 2023

Mayor Terry Halliday
Village of Coal City
515 South Broadway
Coal City, IL 60416

SUBJECT: Village of Coal City
WWTP Improvements 2021

Pay Request #3

Dear Mayor Terry Halliday:

Chamlin & Associates has reviewed and inspected the work by D Construction, Inc. All work performed has been completed in general compliance with Village standards and contract requirements.

Original Contract Amount:	\$	1,800,000.00
Completed Amount:	\$	1,258,240.70
Previous Payments:	\$	962,168.00
5% Retention	\$	62,914.00
	\$	<u>233,158.70</u>

Chamlin & Associates, Inc. at this time recommends a payment in the amount of \$233,158.70 be made to D Construction, Inc.

Sincerely,

Ryan E. Hansen

Enclosure

REH/hp

Project # 5843.01

APPLICATION AND CERTIFICATION FOR PAYMENT

AIA DOCUMENT G702

PAGE ONE OF

PAGES

TO Owner: Village of Coal City
 515 S Broadway St
 Coal City, IL 60416

PROJECT: Coal City WWTP
 Address: 830 N Broadway St
 Coal City, IL

APPLICATION NO 3

Distribution to:

<input checked="" type="checkbox"/>	OWNER
<input checked="" type="checkbox"/>	ENGINEER
<input type="checkbox"/>	CONTRACTOR
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	

PERIOD TO: 11/30/2022

FROM CONTRACTOR:
 D Construction
 1488 S Broadway St
 Coal City, IL 60416

VIA Engineer:

Chamlin & Associates
 4152 Progress Blvd
 Peru, IL 61354

D PROJECT NO: 22-00024

CONTRACT DATE:

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract Continuation Sheet, AIA Document G703, is attached.

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

1. ORIGINAL CONTRACT SUM \$ 1,800,000.00
2. Net change by Change Orders \$ 0.00
3. CONTRACT SUM TO DATE (Line 1 ± 2) \$ 1,800,000.00
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703) \$ 1,258,240.70
5. RETAINAGE:
 - a. 5 % of Completed Work \$ 62,914.00
(Column D + E on G703)
 - b. 5 % of Stored Material \$ _____
(Column F on G703)
 Total Retainage (Lines 5a + 5b or Total in Column I of G703) \$ 62,914.00
6. TOTAL EARNED LESS RETAINAGE \$ 62,914.00
(Line 4 Less Line 5 Total) \$ 1,195,326.70
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate) \$ 962,168.00
8. CURRENT PAYMENT DUE \$ 233,158.70
9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6) \$ 604,673.30

CONTRACTOR:

By: _____ Date: _____

State of: Illinois County of: Grundy
 Subscribed and sworn to before me this _____ day of _____
 Notary Public:
 My Commission expires: _____

ENGINEER'S CERTIFICATE FOR PAYMENT

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

AMOUNT CERTIFIED\$ 233,158.70

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)
 ENGINEER:

By: Ryan Hansen Date: 1-23-2023

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

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	\$0.00	\$0.00
Total approved this Month	\$0.00	\$0.00
TOTALS	\$0.00	\$0.00
NET CHANGES by Change Order	\$0.00	

MEMO

TO: Mayor Halliday and the Board of Trustees

FROM: Matthew T. Fritz
Village Administrator

MEETING

DATE: February 8, 2023

RE: ADOPTION OF GRUNDY COUNTY TRANSPORTATION IGA

During 2022, communities within Grundy County, including the county itself began working on a master transportation study for the county that would prioritize projects across all of the governmental entities that make up Grundy County. At the beginning, Will County Governmental League (WCGL) provided seed funding to assist Grundy County with hiring professional services in order to manage and go after the engineering services contract necessary to create the master plan.

This plan will assist in competing for State and Federal funding sources when they request projects in order to determine the strongest projects to receive infrastructure funding. The State of Illinois provided funding for the master planning of the county and a Request for Qualifications (RFQ) was issued in order to determine the best engineering firm to provide necessary services to complete the Grundy County Transportation Plan. After conducting interviews and the remainder of the qualified basis selection process, the steering committee selected CDM Smith, which had successfully provided Will County with its Freight Transportation and County Master Plan in the past.

Although the State of Illinois funding stops at \$320,000, the total services and professional service time in order to leave all of the governmental entities with the best work product, which is something form which additional funds may be sought, the total additional amount for participating municipalities has crept up to \$105,658. Of this total local participation, the cost to Coal City will be \$8,404.

This agreement is being adopted at this time by all other participating agencies as well. The end product will assist with prioritizing major transportation investment within Grundy County; locally, these priorities will assist with stating the need for certain improvements when competing for funds within transportation improvement plans and other available funding sources.

Recommendation:

Authorize Mayor Halliday to enter into the Multimodal Multijurisdictional Grundy Transportation Master Plan Funding Agreement Requiring a Contribution of \$8,404.

**INTERGOVERNMENTAL AGREEMENT BETWEEN THE COUNTY OF GRUNDY,
VILLAGE OF CHANNAHON, VILLAGE OF COAL CITY, VILLAGE OF DIAMOND,
VILLAGE OF DWIGHT, VILLAGE OF MAZON, VILLAGE OF MINOOKA, AND THE
CITY OF MORRIS RELATED TO THE MULTIMODAL MULTIJURISDICTIONAL
TRANSPORTATION MASTER PLAN**

WHEREAS, the County of Grundy (“COUNTY”) is a body corporate and politic;
and

WHEREAS, the Village of Channahon (“CHANNAHON”) is an Illinois municipal corporation situated in Grundy and Will County under and by virtue of the Constitution and the laws of the State of Illinois; and

WHEREAS, the Village of Coal City (“COAL CITY”) is an Illinois municipal corporation situated in Grundy County under and by virtue of the Constitution and the laws of the State of Illinois; and

WHEREAS, the Village of Diamond (“DIAMOND”) is an Illinois municipal corporation situated in Grundy and Will County under and by virtue of the Constitution and the laws of the State of Illinois; and

WHEREAS, the Village of Dwight (“DWIGHT”) is an Illinois municipal corporation situated in Grundy and Livingston County under and by virtue of the Constitution and the laws of the State of Illinois; and

WHEREAS, the Village of Mazon (“MAZON”) is an Illinois municipal corporation situated in Grundy County under and by virtue of the Constitution and the laws of the State of Illinois; and

WHEREAS, the Village of Minooka (“MINOOKA”) is an Illinois municipal corporation situated in Grundy, Will, and Kendall County under and by virtue of the Constitution and the laws of the State of Illinois; and

WHEREAS, the City of Morris (“MORRIS”) is an Illinois municipal corporation situated in Grundy County under and by virtue of the Constitution and the laws of the State of Illinois; and

WHEREAS, Article VII, Section 10 of the Constitution of the State of Illinois of 1970 provides that units of local government may contract or otherwise associate among themselves to obtain or share services and to exercise, combine or transfer any power or function in any manner not prohibited by law or by ordinance; and

WHEREAS, CHANNAHON, COAL CITY, DIAMOND, DWIGHT, MAZON, MINOOKA, MORRIS and the COUNTY are public agencies within the meaning of the Illinois Intergovernmental Cooperation Act, 5 ILCS 220/1 *et seq.*; and

WHEREAS, the COUNTY is poised to experience rapid growth from the expansion of industrial development:

WHEREAS, it has been determined that it is necessary to create a Multimodal Multijurisdictional Transportation Master Plan to identify the transportation needs for the current level of commerce and population and for the future buildout potential identified in coordination with area stakeholders, (herein referred to as the "PROJECT");

WHEREAS, the planning level estimate of the PROJECT is \$400,000;

WHEREAS, The Illinois Department of Transportation has committed to funding 80% of the PROJECT to be \$320,000, through statewide planning and research funds;

WHEREAS, CHANNAHON, COAL CITY, DIAMOND, DWIGHT, MAZON, MINOOKA, MORRIS and the COUNTY are responsible for the other 20% of the PROJECT not to exceed \$105,648. ;

WHEREAS, CHANNAHON, COAL CITY, DIAMOND, DWIGHT, MAZON, MINOOKA, MORRIS and the COUNTY desire to enter into this intergovernmental agreement to set forth their respective obligations relative to the PROJECT and to promote their mutual interests and cooperation on all matters that pertain to the government and affairs of the Parties.

NOW, THEREFORE, in consideration of the mutual promises, obligations and undertakings set forth herein, CHANNAHON, COAL CITY, DIAMOND, DWIGHT, MAZON, MINOOKA, MORRIS, and the COUNTY (herein collectively referred to as "PARTIES"), agree as follows:

SECTION 1: INCORPORATION OF RECITALS

The above recitals are incorporated into this Agreement as if fully set forth herein.

SECTION 2: FUNDING BREAKDOWN

Each of the PARTIES agrees to contribute to the cost of the PROJECT as follows:

- a) CHANNAHON agrees to pay \$6,272.44 of the PROJECT.
- b) COAL CITY agrees to pay \$8,404.00 of the PROJECT.
- c) DIAMOND agrees to pay \$3,972.80 of the PROJECT.
- d) DWIGHT agrees to pay \$3,254.64 of the PROJECT.
- e) MAZON agrees to pay \$1,550.92 of the PROJECT.
- f) MINOOKA agrees to pay \$13,752.00 of the PROJECT.

- g) MORRIS agrees to pay \$19,864.00 of the PROJECT
- h) COUNTY agrees to pay \$48,576.50 of the PROJECT.

The PARTIES shall pay 90% of their respective estimated payments within 45 days of full execution of the Agreement. Additional costs resulting from scope of service overruns may, upon unanimous approval of all PARTIES, be shared at 45% to the COUNTY with the remaining 55% to be split proportionally between CHANNAHON, COAL CITY, DIAMOND, DWIGHT, MAZON, MINOOKA, and MORRIS on a cost per resident basis (number of residents in each municipality to be determined based upon the 2020 federal decennial census). Upon completion of the project, the COUNTY shall invoice CHANNAHON, COAL CITY, DIAMOND, DWIGHT, MAZON, MINOOKA, and MORRIS for the remainder of the amount due to be calculated based on the costs set forth above, with amount to be paid within 45 days of invoice. All payments shall be sent to the Grundy County Highway Department at the address set forth below.

Additional work requested by an individual municipality, as well as any project overruns incurred in connection with the same, are the sole responsibilities of the specific municipality that requested the work and shall be approved and paid for by a separate agreement which shall be filed as an addendum to this agreement.

SECTION 3: PROJECT OVERSIGHT

The COUNTY agrees to oversee and manage the completion of the PROJECT.

SECTION 4: MISCELLANEOUS PROVISIONS

1. That each party warrants and represents to the other party and agrees that (1) THIS AGREEMENT is executed duly authorized agents or officers of such party and that all such agents and officers have executed the same in accordance with the lawful authority vested in them pursuant to all applicable and substantive requirements; (2) THIS AGREEMENT is binding and valid and will be specifically enforceable against each party; and, (3) THIS AGREEMENT does not violate any presently existing provisions of law nor any applicable order, writ, injunction or decree of any court or government department, commission, board, bureau, agency or instrumentality applicable to such party.
2. That THIS AGREEMENT shall be deemed to take effect as of the date on which the duly authorized agents of the last of parties hereto to execute THIS AGREEMENT affix their signatures.
3. This document shall be the final embodiment of THIS AGREEMENT by and between the PARTIES. No oral changes or modifications for THIS AGREEMENT

shall be permitted or allowed. Changes or modifications to THIS AGREEMENT shall be made only in writing and upon the necessary and proper signature of the PARTIES.

4. In the event a court of competent jurisdiction holds any provisions of THIS AGREEMENT invalid or unenforceable, such holding(s) shall not invalidate or render unenforceable any other provision hereto.
5. THIS AGREEMENT shall be binding upon and inure to the benefits of the parties hereto, their successors and assigns.
6. Venue for enforcement of the agreement shall be in the courts of the Thirteenth Judicial Circuit, Grundy County, Illinois.
7. Any notices under THIS AGREEMENT shall be sent as follows:

If to the County:

Grundy County Engineer
Grundy County Highway Department
245 N IL Route 47
Morris, IL 60450

Grundy County State's Attorney
Attention: Civil Division
111 E Washington Street
Morris, IL 60450

If to the Village of Channahon:

Attention: _____

Village Attorney: _____

If to the Village of Coal City:

Attention: _____

Village Attorney: _____

If to the Village of Diamond:

Attention: _____

Village Attorney: _____

If to the Village of Dwight:

Attention: _____

Village Attorney: _____

If to the Village of Mazon:

Attention: _____

Village Attorney: _____

If to the Village of Minooka:

Attention: _____

Village Attorney: _____

If to the City of Morris:

Attention: _____

City Attorney: _____

- 8. The PARTIES agree that each shall be responsible to notify the other of any changes in notification procedures.
- 9. THIS AGREEMENT may be executed in one or more counterparts, each of which will be deemed an original, but all of which will constitute one instrument.
- 10. The term of THIS AGREEMENT shall be for a period of three (3) years upon passage and approval of each of the duly authorized governmental bodies and execution thereby.

Dated at Grundy County, Illinois this _____ day of _____, 2023.

COUNTY OF GRUNDY

ATTEST

Grundy County Board Chairman

Grundy County Clerk

Dated at Channahon, Illinois, this _____ day of _____, 2023.

VILLAGE OF CHANNAHON

ATTEST

Mayor

Village Clerk

Dated at Coal City, Illinois, this _____ day of _____, 2023.

VILLAGE OF COAL CITY

ATTEST

Mayor

Village Clerk

Dated at Diamond, Illinois, this _____ day of _____, 2023.

VILLAGE OF DIAMOND

ATTEST

Mayor

Village Clerk

Dated at Dwight, Illinois, this _____ day of _____, 2023.

VILLAGE OF DWIGHT

ATTEST

Mayor

Village Clerk

Dated at Mazon, Illinois, this _____ day of _____, 2023.

VILLAGE OF MAZON

ATTEST

Mayor

Village Clerk

Dated at Minooka, Illinois, this _____ day of _____, 2023.

VILLAGE OF MINOOKA

ATTEST

Mayor

Village Clerk

Dated at Morris, Illinois, this _____ day of _____, 2023.

CITY OF MORRIS

ATTEST

Mayor

City Clerk

MEMO

TO: Mayor Halliday and the Board of Trustees

FROM: Matthew T. Fritz
Village Administrator

MEETING

DATE: February 8, 2023

**RE: ANN L. SCHNEIDER & ASSOC. PROFESSIONAL SERVICES
CONTRACT FOR BRIDGE BUNDLING CAPABILITY**

During the summer of 2022, the federal Department of Transportation (DOT) allocated new infrastructure spending specifically for the replacement of bridges in need of repair due to their current condition and past ratings. Due to the total amount of funding, DOT is looking to spend money on larger project bypassing many local bridge projects, i.e. those which do not reach \$1 million in capital spending. Although the Coal City bridge structures did not look to qualify for the federal dollars, there are two funding capabilities for which it looks as though hiring professional service consulting from Ann Schneider looks to be a wise investment.

There is a federal provision that allows the bundling of different bridge projects in order to get federal funds for all projects list within the bundle. To date, Schneider has been working with IDOT and DOT to widely define the bundling concept to allow more entities to compete for the available funds. Coal City has two qualifying structures – the bridge at Valerio as well as the bridge on N. Broadway.

The N. Broadway Bridge was planned for special project MFT funds and the Valerio Bridge was to be replaced with Will County CDBG funds (via annual competition for grant proceeds). However, the new DOT funding source looks to be the most viable means of gaining the dollars necessary for these projects. In addition to the bundling, the conversation with Schneider has revealed the federal priority for pedestrian and bicycle connectivity through these pathways as well. Providing additional access to the N. Broadway project is beneficial for the future and it will increase the total cost of project to break through the funding threshold and qualify for DOT funds. This project is due for application in June.

Ms. Schneider has experienced much success in her leadership of Will County infrastructure proposals as well as gaining funds for planning in Grundy County. Her participation will hopefully prove to be a small investment compared to the total funds gained in the much needed replacement of these structure within the Village.

Recommendation:

Authorize Mayor Halliday to enter into a professional service contract with Ann L. Schneider & Associates to prepare and compete for IDOT & DOT Bridge building capital.

Coal City Bundled Bridge Replacement Project

Grant Strategy and Writing Proposal

Ann L. Schneider & Associates, LLC



February 1, 2023



Purpose

Coal City is seeking to enter into a professional services contract that would assist Coal City and Grundy County in applying for federal funding opportunities. The purpose is to upgrade the N. Broadway bridge with a pedestrian walkway bundled with the replacement of the Valerio bridge with a new structure on nearby right-of-way.

Services to be Provided:

Ann L. Schneider and Associates propose to offer the following services to Coal City:

Prepare a USDOT Bridge Investment Program Grant Application

Prepare the requisite grant narrative and grant application forms.

The City will be responsible for:

1. Providing necessary documentation for bridge condition, funding commitments, and other data as required in the NOFO
2. Registering in Sam.gov
3. Obtaining a Uniform Entity Identifier (UEI)
4. Identifying an Authorized Organization Representative (AOR) in Grants.gov
5. Setting up a workspace in Grants.gov.

The AOR will have to submit the completed application materials.

Estimated Hours: 50

Provide Application Advocacy Materials

- Prepare a one-page project summary to use with stakeholders.
- Prepare a draft letter of support that can be customized by key stakeholders.
- Develop a list of stakeholders to provide letters of support.
- Conduct outreach with members of Congress, IDOT and state legislators to obtain letters of support.

The City will be responsible for coordinating local letters of support.

Estimated Hours: 2

Develop additional funding strategies



Review other applicable grant programs and make recommendations in collaboration with City officials.

Estimated Hours: 2

Price Proposal

Services will be delivered for \$200 per hour with a total cost not to exceed \$10,800. The proposed hourly rate is fully loaded and includes expenses, except for extraordinary expenses. Expenses for out-of-state travel will be billed at cost. Any other extraordinary expenses will be billed *only after approved by both parties*.

If you agree, I look forward to working on this exciting Project with you.

Sincerely,

Ann L. Schneider, President

Ann L. Schneider and Associates LLC
17843 Lebanon Cemetery Rd.
Petersburg, IL 62675
217-622-0693
AnnSchneider100@gmail.com

MEMO

TO: Mayor Halliday and the Board of Trustees

FROM: Matthew T. Fritz
Village Administrator

MEETING

DATE: February 8, 2023

RE: ELECTRIC VEHICLE PARTNERSHIP & INSTALLATION

There are a number of incentive programs that exist to promote the installation of electric vehicle (EV) charging stations within certain portions of Illinois. Attached is a proposal from the Carbon Solutions Group, which has created an incentives integration team in order to pair available funding with the companies which supply and install EV charging stations with host partners (both private and public). The incentives being managed are two applicable programs within the CEJA legislation, a federal 30c Investment Tax Credit, and the distribution of the Volkswagen Environmental Mitigation Trust proceeds.

This policy proposal shall allow DirtRoad to develop and install two selected public sites within Coal City – 160 & 634 S. Broadway, to host subscription and instant charging customers enabling them with the capability to recharge their EV while shopping within downtown Coal City. This model allows the capital to be recouped by the investment group while Coal City hosts the development at no cost. After the stations exceed the utilization model to ensure proper return on investment for DirtRoad, Coal City shall be provided additional profits made available within the profit sharing form additional usage.

This evening's consideration is to provide support to advance this concept to the next step; there is no legal binding contract at this time. Carbon Solutions Group has evaluated the Coal City market and believes these two locations to be good hosts for the private/public partnership to bring this technology to Coal City. Should the Board decide it wishes to advance, their engineering team will communicate with ComEd and determine the specific improvements necessary to host the EV charging at these two sites and decide upon a specific installation location at these two sites.

Please note, although there is a cost savings guarantee within the typical model, Carbon Solutions has assured no risk for Coal City due to the available incentives. The proposed contract will reflect this as opposed to requiring Coal City to share in any losses should the location not generate as much revenues as projected.

Recommendation:

Support the Carbon Solutions Group EV Charging Solution to host two EV Charging Stations within Coal City.

Cover Letter

Carbon Solutions Group (CSG) is excited to share our DirtRoad Community Electric Vehicle Charging solution with the Village of Coal City. The DirtRoad platform is designed to accelerate equitable access to electric vehicle adoption.

The included proposal covers all aspects of the infrastructure required for Coal City. We are proud to support your transportation electrification initiatives. Highlights of our enclosed proposal include:

- **Zero-capital-cost, Turnkey Infrastructure** furnished under a partnership with DirtRoad
- **Field-proven Stations and DirtRoad O&M** ensure reliability, durability, and industry-leading station uptime
- **Deeply Discounted Subscriptions** for everyone in the community to accelerate equitable electric vehicle adoption
- **DirtRoad Network and Customized Dashboard** provide lower operating costs, an information security guarantee, and 24/7 network status monitoring

With our expertise in developing, operating, and owning community-based charging networks, the village will gain a clear pathway to advancing transportation electrification. We look forward to reviewing this proposal with you and becoming your long-term EV infrastructure partner.

Sincerely,

Kory Trapp

VP EV Infrastructure Project Development
Carbon Solutions Group
ktrapp@carbonsolutionsgroup.com M: 858.354.6273

carbon
SOLUTIONS GROUP™
DRIVING DECARBONIZATION

Carbon Solutions Group

Carbon Solutions Group (CSG) was founded in Chicago, Illinois, in 2006. CSG consists of three principal groups: **DirtRoad**, **ESG Services**, and **Solar REC (SREC) Aggregation**. CSG prides itself on the corporate and municipal partnerships across the U.S. that it has fostered over nearly two decades in operation.

- **DirtRoad** — A developer, owner, and operator of charging networks on behalf of public and private sector customers. DirtRoad's specialized, in-house teams of electrical engineers and project developers focus on charging infrastructure deployment nationwide. DirtRoad currently has over 500 projects under development.
- **ESG Services** — CSG is one of the largest marketers and providers of renewable energy certificates (RECs) and carbon offsets in the U.S., serving large C&I and utility customers. CSG has contracts in place with virtually all load-serving entities and has transacted over 150 million MWhs during the past five years.
- **SREC Aggregation** — Originally launched in Illinois, the business contracts solar RECs from residential and C&I system owners across the U.S. CSG's SREC business currently serves over 15,000 customers in DC, MD, OH, MI, IN, IL, PA, VA, WV, OR, WA, and CA.

The DirtRoad Platform

CSG's community charging platform, DirtRoad, envisions linked vehicle electrification projects throughout a community that enables people and automotons alike to charge at home, at work, and at public charging hubs. DirtRoad Partnerships bring electric-vehicle charging amenities to cities, counties, campuses, and commercial properties with zero risk, no capital investment, and long-term revenue potential.

Benefits to Partner

- Eliminate the capital cost and technical risk of developing a charging network
- Turnkey infrastructure development with O&M provided by DirtRoad
- Industry-leading partnership model allows Partner to share in project's success
- Flexible, off-balance-sheet model enables the development of almost any site
- Comprehensive site analysis and planning for optimal infrastructure deployment
- Partner benefits from DirtRoad's specialized engineering team's cost efficiency
- Customized network provides lower operating cost and discounted subscriptions
- DirtRoad works with Partner's to enlist subscribers from the local community
- Attract unique electric vehicle drivers and create new marketing opportunities
- Partner keeps 100% of all indirect revenues derived from drivers' dwell-time

carbon
SOLUTIONS GROUP™
DRIVING DECARBONIZATION

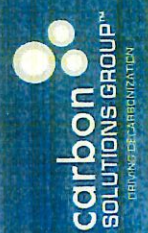
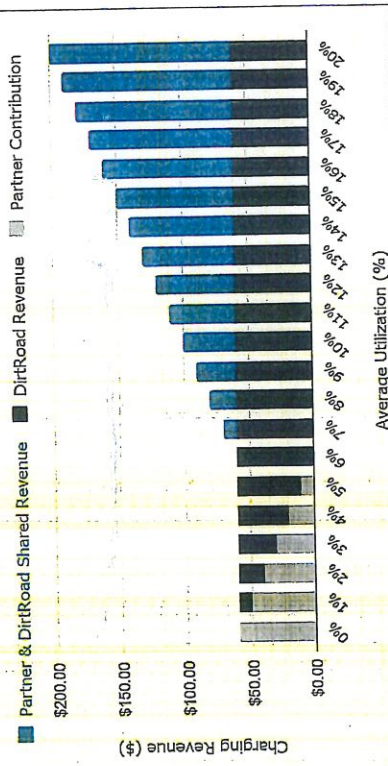
DirtRoad Partnership Model

DirtRoad and Partner work together to create a cost-effective and sustainable network by engaging subscribers from within the organization and community.

Deal Structure

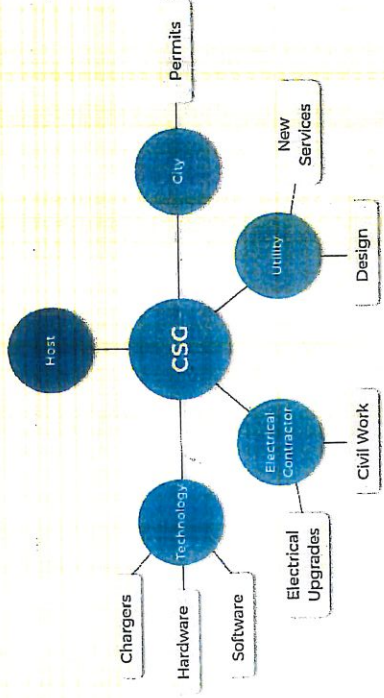
- DirtRoad's develops the projects on behalf of the Partner at its sole cost and passes on cost savings from DirtRoad's specialized, in-house engineering
- DirtRoad applies for available rebates and tax incentives to reduce the capital cost
- DirtRoad establishes a utilization threshold based on the project's net capital cost
- DirtRoad and Partner work together to enlist subscribers from fleet operators, employees, and the local community to establish base charging demand
- DirtRoad provides turnkey O&M throughout the term and passes on operating cost savings from DirtRoad's in-house digital Network solution
- If or when the annual utilization rate is below the threshold, the Partner contributes a fee for unused charging
- If or when the utilization rate is above the threshold, the Partner receives a share of revenue rather than contributing to the project's operating expenses
- The Partner's operating expense contributions would not total more than what it would cost the Partner to develop the project(s) on their own

Example Project Revenue Contribution and Share



Scope of Work

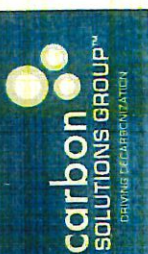
The Partner will gain a like-minded partner in DirtRoad and a clear pathway to developing sustainable infrastructure. DirtRoad will interface with all stakeholders, and the Partner will achieve a turnkey solution that includes the EVSE hardware and software, engineering, permitting, construction, and O&M management.



Proposed Chargers per Location

DirtRoad proposes an initial scope of 02 x 100 kW (or similar) DCFC charging stations at the proposed locations indicated below. DirtRoad will future-proof the installations as practicable and add additional stations upon request as demand increases.

Site #	EV Charging Locations	L2 Ports	DCFC Ports
1	160 S. Broadway, Coal City, IL		Min 1 station
2	634 Broadway, Coal City, IL		Min 1 station



DirtRoad Network & Mobile Application

The Partner would benefit from DirtRoad's complete in-house digital platform with a full suite of network features with unparalleled customizability. In addition, the DirtRoad Network enables far lower network expenses and operating costs and, by extension, lower rates for the Partner's community drivers.

In-house OCPP Server

DirtRoad's in-house OCPP server underpins the entire platform:

- Standard communication protocol for all networked stations
- Secure customer and transaction data storage and management
- A full array of pricing and notification alternatives
- Network interoperability capability:
 - DirtRoad drivers to locate and charge at other-network stations
 - Drivers using other apps to locate and charge at DirtRoad stations
- Future vehicle-to-grid capabilities for grid resiliency and energy storage

Custom Dashboards & API Integration

DirtRoad will create a custom dashboard for your organization, including integration with customer APIs:

- Real-time viewing of charger status, history, revenue generation, usage, emissions reduction metrics
- Fleet management tools and integration with fleet telematics software using available telematics APIs

DirtRoad Mobile App

Currently in beta version, the DirtRoad App provides a technologically advanced, easy-to-use, and personalized link between drivers and the community with a full complement of features:

- Subscription options for deeply discounted charging
- Scheduled and remote start-stop charging for energy cost management
- Real-time status and usage history, and a lot more to come including OCPP 2.0 bidirectional capability



ABB Terra 124 UL DC Fast Charging Station

ABB's Terra all-in-one DC fast chargers offer power up to 180 kW, with convenient charging times for every EV – including those with HV batteries.

ABB's Terra DC Fast chargers from 90 kW to 180 kW are designed for the most compact, reliable and future-proof demands. In addition to a range of power selections, Terra chargers can be configured with CCS and CHAdeMO connector cables in single or dual outlet format. Cable management, payment enablement and connectivity choices also offer owners, operators, and site hosts options tailored to the needs of every charging site, from public to fleet needs.

Additionally, Terra chargers can meet the needs of high voltage BEVs up to 920V, making these systems fully compatible with all current and future EVs. ABB has designed the models with power-sharing technology, which is capable of charging two vehicles at the same time. Simultaneous charging can deliver higher utilization for every charging asset, a major key to public and fleet electrification success.

Charging Time

EV drivers would obtain **300 miles of range per hour** with the 100 kW DCFC stations.

Charging Time (Approx Time for 80% Charge)

DCFC 100 kW

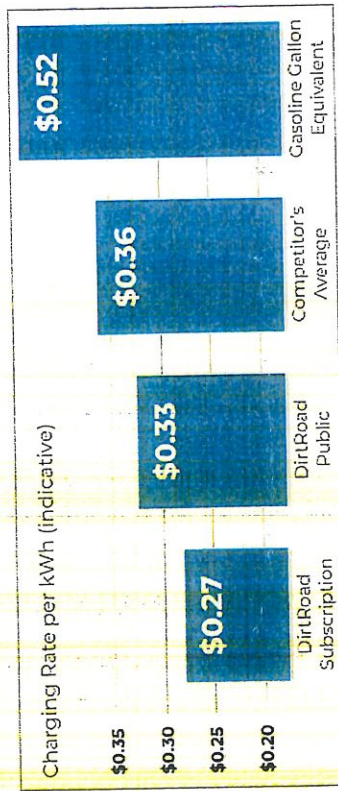
45-60 minutes

Community Engagement

DirtRoad wants to work with the Partner to let community members know about their new charging amenities and to encourage electric vehicle adoption. DirtRoad will create digital marketing campaigns to promote the DirtRoad - Partner stations as well as precise, easy-to-understand information surrounding this revolutionary procurement.

DirtRoad Subscriptions

DirtRoad will offer the Partner's community members steeply discounted charging subscriptions. DirtRoad subscription options cover the needs of all drivers, from those that rely on public charging to those that only need the occasional top-up.



Together with DirtRoad, the Partner will gain current and future demand for DirtRoad charging, including from existing fleets contracted to the network. The Partner and DirtRoad will drive the leading electric vehicle charging experience in the community.



Project Timeline

DirtRoad will complete the design and engineering work shortly after finalizing the license agreement with the Partner. Our EV infrastructure design and engineering expertise allow us to get it right the first time, saving time during the Utility Design and Permitting phases. Once the charging stations arrive on-site, civil works and installation are completed in short order.

Our standard implementation timeline is as follows.

Phase	Weeks
License Agreement	2 - 8
Draft Design & Engineering	2 - 4
Utility Design	12 - 24
Permitting	8 - 12
Construction	2 - 4
Testing & Commissioning	1 - 2
Software Integration	1 - 2
Start to Completion	28 - 56 weeks

Project Commitment

With our knowledge and expertise in developing, owning, and operating electric vehicle charging infrastructure, we are determined to solidify Westchester as the premier electric vehicle charging destination with an unmatched customer experience.

We look forward to reviewing this offer with you at your earliest convenience.

Sincerely,

Kory Trapp

VP EV Infrastructure Project Development



Appendix A.

DirtRoad's Community Charging Model

DirtRoad's community-based approach to electric vehicle charging infrastructure development would benefit the Partner's community both in cost and convenience. Along with low charging rates at the Partner's DirtRoad stations, electric vehicle drivers help DirtRoad to create more public charging amenities in their community. The following pillars summarize the core tenets of DirtRoad and the cascading benefits to the Partner.

Project Development

- Assess fleet, public, workplace, and home charging needs
- Design, engineer, and develop projects with inhouse expertise
- Enter into long term contracts and future proof installations
- Hire local contractors for civil and electrical works

Operations & Maintenance

- DirtRoad App to incentivize and influence driver behavior
- DirtRoad subscriptions for lowest fleet and public charging rates
- Network interoperability for increased flexibility and lowest rates
- Local O&M partners for quick response and guaranteed uptime

Optimization

- Customized DirtRoad Fleet Module for each fleet owner
- Leverage public and ride-share fleets for faster DCFC deployment
- DirtRoad Platform orchestrated response to price signals (TOU rates)
- Vehicle-to-Grid (V2G) capability for grid resiliency and peak shaving

Other Benefits

- Equitable opportunity for electric vehicle adoption
- Lower charging costs for everyone in the community
- Increased grid stability allows more renewable energy and less CO2
- Cleaner air, lower noise levels, improved public health outcomes

Illinois Electric Vehicle Charging Incentive Qualification

30C - Investment Tax Credit

EV charging stations must be located in an "eligible census tract":

- Poverty rate of at least 20 percent, or
- Median family income for such tract does not exceed 80 percent of the applicable statewide median family income or metropolitan area median family income, or
- Not urban area

Resource: [Low Income Qualification Map](#) - use wrench tool on right panel to search locations

CEJA - Equity Investment Eligibility (R3)

R3 grants fund programs in Illinois communities that have been harmed by violence, excessive incarceration, and economic disinvestment. R3 grants fund programs in five areas: Civil Legal Aid, Economic Development, Reentry, Violence Prevention, and Youth Development.

Resource: [R3 Map](#)

CEJA - Environmental Justice Communities - Illinois Solar for All

Identifying environmental justice communities is important for Illinois Solar for All because a quarter of all program incentives are targeted to projects that are in or serving environmental justice communities. One goal of the Illinois Solar for All program is to allocate 25% of funding toward environmental justice communities.

Resource: [Illinois Solar for All Map](#)

Illinois Volkswagen Environmental Mitigation Trust Agreement (DCFC only)

An applicant must submit an application for at least one charging station (with a minimum of two standalone chargers) at a charging station location in each of at least two different priority areas. (Applications with at least one charging station at a charging station location in each of the three priority areas will be prioritized for review and funding).

- Priority Area 1: Cook, DuPage, Kane, Lake, McHenry, and Will counties, Oswego Township in Kendall County and Aux Sable and Goose Lake townships in Grundy County
- Priority Area 2: Madison, Monroe, and St. Clair counties
- Priority Area 3: Champaign, DeKalb, LaSalle, McLean, Peoria, Sangamon, and Winnebago counties

Key Requirements

- Additional points will be given to a charging station at a charging station location in an area of EJ concern.
- There can be no existing charging stations at or within the applicant's proposed charging station location.
- The charging station and charging station location must be publicly accessible public 24 hours a day, 7 days a week without access restrictions.
- Each charging station location must have lighting from dusk to dawn to ensure ease of use of the charging station and to ensure security.
- Municipalities are eligible 100% grant funding for eligible costs, but cannot apply directly (are not eligible applicants; required to partner with a third-party owner-operator)

Resource: [VW Funding Opportunity - IL - VW EJ Areas](#)



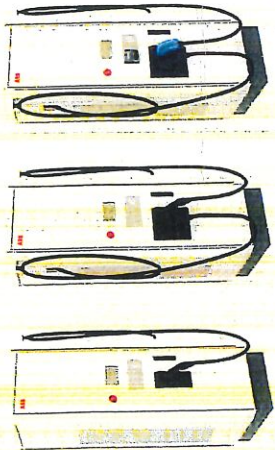
PRODUCT LEAFLET

Electric Vehicle Infrastructure

Terra 94/124/184 UL DC Fast Charging Station

ABB's Terra all-in-one DC fast chargers offer power up to 180 kW, with convenient charging times for every EV – including those with HV batteries.

The compact, modular design makes it perfect for retail, highway or fleet use, with power sharing to further optimize utilization. All Terra chargers feature connectivity for remote services and OCPP enablement.



Flexible configuration

ABB's Terra DC Fast chargers from 90 kW to 180 kW are designed for the most compact, reliable and future-proof demands. In addition to a range of power selections, Terra chargers can be configured with CCS and CHAdeMO connector cables. In single or dual outlet format. Cable management, payment enablement and connectivity choices also offer owners, operators and site hosts options tailored to the needs of every charging site, from public to fleet needs.

The most reliable, scalable choice

ABB's Terra chargers offer redundant power architecture for the highest uptime in the EV Infrastructure Industry. Additionally, Terra chargers

can meet the needs of high voltage BEVs up to 920V, making these systems fully compatible with all current and future EVs. With a host of configuration options, Terra DC fast chargers are ready to support EV market growth over time.

Power sharing for high utilization

Enabling every business model is critical for EV charging infrastructure. With this goal in mind, ABB has designed the Terra 124 and Terra 184 models with power sharing technology, which is capable of charging two vehicles at the same time. Simultaneous charging can deliver higher utilization for every charging asset, a major key to public and fleet electrification success.



Terra 94
one EV
up to **90 kW**



Terra 124
one EV
up to **120 kW**



Terra 124
two EVs
each up to **60 kW**



Terra 184
one EV
up to **180 kW**



Terra 184
two EVs
each up to **90 kW**

Key features

- A compact, all-in-one charger from 90 kW to 180 kW
- Terra 124 and Terra 184 can fast-charge two vehicles at the same time
- Parallel power module topology with automatic fallover offers high uptime through redundancy
- Delivers output power continuously and reliably over its lifetime
- Flexible configurations include CCS-single, CCS-dual and CCS+CHAdeMO-dual outlets
- Up to 920 VDC for every passenger or fleet EV
- Bright, daylight readable touchscreen display with graphic visualization of charging session
- High short circuit current rating
- EMC Class B certified for safe use at fuel stations, retail centers, offices, and residential-adjacent sites
- Design enables ADA compliant installations
- RFID authorization modes
- Always connected, enabling remote services, updates and upgrades
- Robust all-weather powder-coated stainless steel enclosure
- Quick and easy installation as well as serviceability

Optional features

- Reliable cable management system available as ordered or field upgrade
- Customizable user interface
- Integrated payment terminal
- Web tools for statistics and PIN access management
- Integration with OCPP networks, payment platforms and energy management
- Autocharge and ISO 15118 enabled

Why charging operators and fleets prefer ABB

- ABB offers the most advanced, safe and reliable EV infrastructure and grid connected technologies
- ABB Connected Services enable every business and remote services model
- ABB's decade of EV charging experience and close cooperation with EV OEMs, networks and fleets

Specifications	Terra 94	Terra 124	Terra 184
Electrical			
Maximum output power	90 kW	120 kW or 60 kW x 2	180 kW or 90 kW x 2
AC input voltage	3-phase: L1, L2, L3, 6/10/16 (no neutral)	480V / 277 VAC +/- 10% (60 Hz)	
AC input connection	1.15 A, 96kVA	1.5 A, 128 kVA	2.30 A, 192 kVA
Nominal input current and input power rating	150 A	200 A	300 A
Recommended upstream circuit breaker(s)		> 0.9B	
Power Factor*		< 0%	
Current THD*		65 kA	
Short-circuit current rating			95%
DC output voltage		CCS-1: 150-320 VDC; CHAdeMO: 150-500 VDC	
DC output current		CCS-1: 200 A; CHAdeMO: 200 A	
Efficiency*			
Interface and Control			
Charging protocols		CCS1 and CHAdeMO 1.2	
User interface		7" high brightness full color touchscreen display	
RFID system		ISO/IEC 14443A/B, ISO/IEC 15393, Felica™, NFC reader mode, Mifare, Cayman, (option, Legic)	
Network connection		GSM/3G/4G modem; 10/100 Base-T Ethernet	
Communication		OCPP 1.6 Core and Smart Charging Profiles; Autocharge	
Supported languages		English (others available on request)	
Environment			
Operating temperature		-35 °C to 65 °C / -31 °F to +131 °F	
(de-rating characteristics apply at extreme temperatures)		-30 °C to -70 °C / -22 °F to -158 °C (dry environment)	
Recommended storage		IP54, NEMA 3R; indoor and outdoor rated	
Protection		5% to 95% non-condensing	
Humidity			
Altitude		2000 m (6560 ft)	
General			
Charge cable		6 m (19.6 ft)	
Dimensions (H x W x D)		1300 x 565 x 860 mm / 74.8 x 22.2 x 34.6 in	
Weight		350 kg / 775 lbs	395 kg / 870 lbs
Compliance and safety		UL2202, CSA No. 107.1-16; UL 2231-1, UL 2231-2, CSA STD C22.2 No. 107.1; NEC Article 625, EN 61851, EN 62196; CHAdeMO 1.2; DIN 70121, ISO 15118; IEC 61000-6-3; EMC Class B, FCC Part 15	

*Data shown at nominal output power

ABB Terra "all-in-one" chargers are offered from up to 180 kW.

The Terra 184 and Terra 124 can charge two vehicles at the same time.

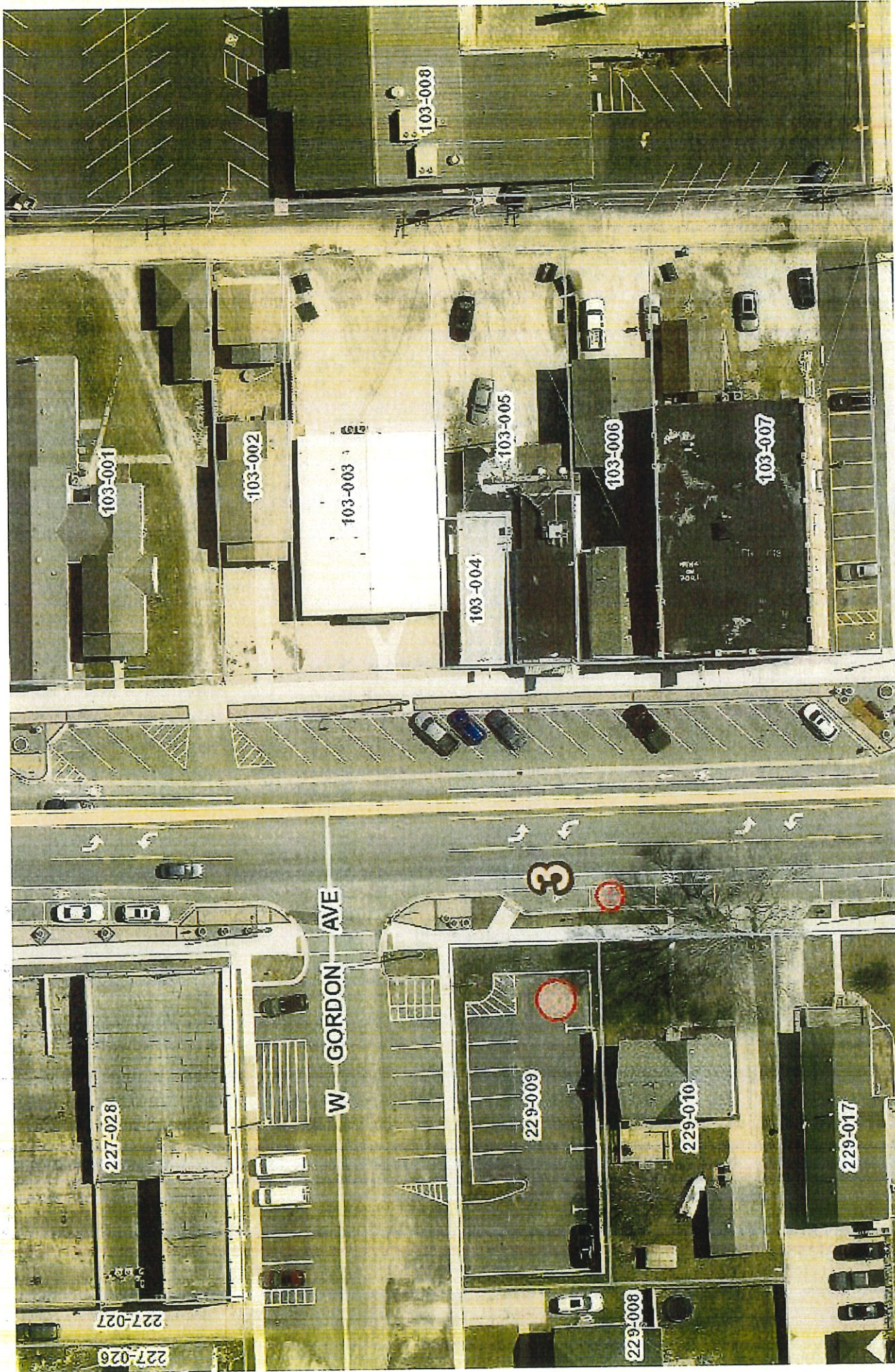
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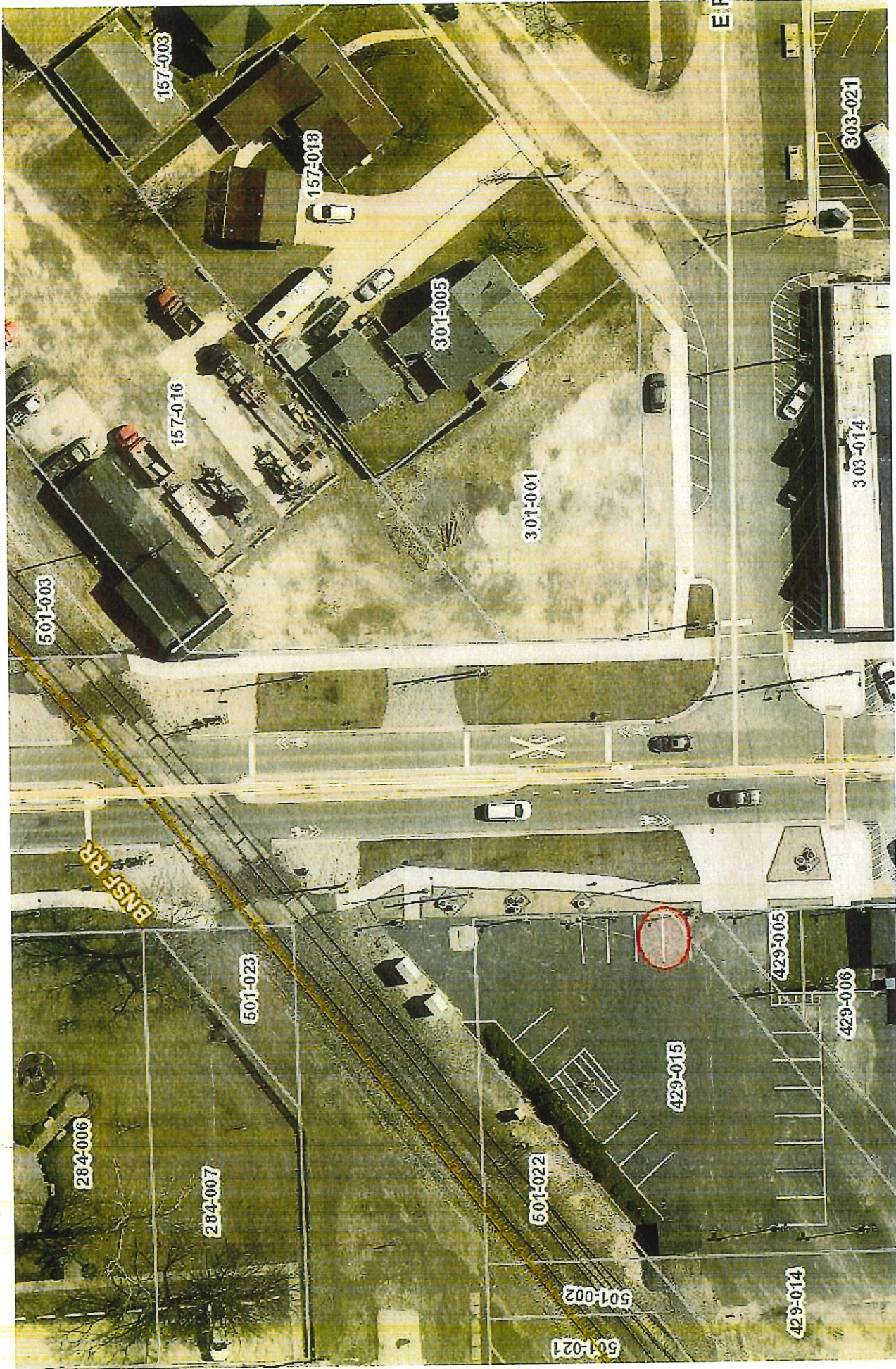
abb.com/evcharging

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160 S. Broadway Location



634 S. Broadway Location



MEMO

TO: Mayor Halliday and the Board of Trustees

FROM: Matthew T. Fritz
Village Administrator

MEETING

DATE: February 8, 2023

RE: WELL #3 UPDATE

Public Works received an update due to the testing that was conducted on Well #3 to ensure the proper procedure was planned for its rehabilitation. In the meantime, this well has not been utilized to provide source water. Darrell is working with the vendor to get a final recommendation due to the test results in order to scheduled and get the well in working order once again.

This is placed on the agenda so additional information can be gathered in hopes of acting upon this if necessary.