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03/24/21 08:51:37
WV PURCHASING DIVISION

SEALED BID:

Barboursville School Wastewater Treatment Plant replacement

BUYER:

Crystal Husted

SOLICITATION NO.:

CEOI No. 0310 BHS2100000003

BID OPENING DATE:

March 25, 2021

BID OPENING TIME:

1:30 p.m. EST

FAX NUMBER:

304-558-3970

BID OPENING LOCATION:

**Department of Administration
Purchasing Division
2019 Washington Street East
Charleston, WV 25305**

TECHNICAL PROPOSAL [ENGINEERING SERVICES]

BID SUBMITTED BY DUNN ENGINEERS, INC.



DUNN ENGINEERS, INC.



Views of the Barbourville School Wastewater Treatment Package Plant – photos by Dunn Engineers Inc.



Vendor / Professional Engineers

DUNN ENGINEERS, INC.
400 South Ruffner Road
Charleston, WV 25314
Telephone: 304-342-3436
FAX: 304-342-7823
Email: dunneng@aol.com

Agency / Buyer:

Crystal Husted

Submittal Location:

Department of Administration
Purchasing Division
2019 Washington Street East
Charleston, WV 25305

Date of Submittal:

March 24, 2021

Re: Professional Engineering Services

Letter of Interest for CEOI No. 0310 BHS2100000003

Description of Project

Provide Professional Engineering Services to the WV Department of Health and Human Resources (DHHR) for the purpose of the providing engineering services to the design of a replacement wastewater treatment plant at The Barbourville School, in the Village of Barbourville, WV.



DUNN ENGINEERS, INC.

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> Concept for alternate solution – connection to the Village of Barboursville Sanitary Board's existing sewer collection system and decommissioning; and, removal of the existing package treatment plant adjacent to the Barboursville School

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A. RÉSUMÉS OF PROFESSIONAL ENGINEERS

B. CEOI No. 0310 BHS2100000003 *signed forms:*

1) *DESIGNATED CONTACT PAGE & CERTIFICATION AND SIGNATURE PAGE;*

2) *PURCHASING AFFIDAVIT;*

3) *DISCLOSURE OF INTERESTED PARTIES TO CONTRACTS*

4) *ADDENDUM ACKNOWLEDGEMENT FORM*



DUNN ENGINEERS, INC.

March 24, 2021

LETTER OF INTEREST

Ms. Crystal Hustead, Buyer
Department of Administration / Purchasing Division
2019 Washington Street East
Charleston, WV 25305

**Re: Replacement of wastewater treatment plant (package plant)
co-located with the Barboursville School.
CEOI No. 0310 BHS2100000003**

Dear Ms. Hustead,

We are pleased to present the West Virginia Department of Health and Human Resources (WV DHHR) with our Letter of Interest, statement of qualifications and experience, and project goals and objectives. We are confident that our firm can complete your project successfully. We are prepared to meet for an interview at any time that is convenient to the selection committee to do an oral presentation in order to clarify our proposal for their satisfaction.

Dunn Engineers' core business is wastewater and water engineering. We take great pride in our staff, their diverse knowledge, many years of experience, and the company's many project accomplishments. Our staff has over 350 years of combined experience in the planning, design, permitting, and construction engineering administration of public wastewater and water utility projects.

When our client needs to accelerate a project, Dunn Engineers can deliver. This is where our size, experience, and knowledge of the regulatory agencies allow us to develop the most expeditious route to completion. Because we know that clients want completed projects; we succeed by expediting projects to completion. We have a successful track record demonstrated by our lists of completed projects. Timely services are essential to building a responsible professional relationship.

We believe our extensive knowledge, staff and experience will provide the WV DHHR with a substantial reservoir of resources for the Barboursville School's package plant replacement project. Thank you for the opportunity to submit our Letter of Interest and Statement of Qualifications. Dunn Engineers, Inc. will provide the WV DHHR with the highest quality service for a competitive fee. If you have any additional questions or needs, please call us. We look forward to the opportunity to work on this project.

Very truly yours,

DUNN ENGINEERS, INC.

F. Wayne Hypes, P.E., P.S.
President

1. Background -Wastewater Treatment Plant in Cabell County, West Virginia

- The WV Department of Health and Human Resources (WV DHHR) currently owns a thirty-year-old deteriorating wastewater treatment package plant located adjacent to the Barboursville School which is one of the DHHR's facilities.
- The package plant also serves for small neighboring facilities – three restrooms and one concession stand. The DHHR pays the Village of Barboursville Sanitary Board to provide maintenance and repair services as well as other required activities (permitting, testing / sampling, and reporting).
- Although some replacement equipment has been installed, the overall facility has passed its useful life and has been cited by the WV Department of Environmental Protection (WV DEP) for regulatory compliance failures.
- Dunn Engineers Inc. has worked on several projects for the Village of Barboursville in Cabell County. We are currently providing the Village of Barboursville Sanitary Board with engineering services for improvements to their Sewage Treatment Lagoon. The Barboursville School is very close to the end of the sewer collection line for the Village.

2. PROJECT

A. GOALS AND OBJECTIVES

Engineering services will be provided to the Department of Health and Human Resources (WV DHHR) with the goal of providing said services for The Barboursville School's project to design a replacement for an existing wastewater treatment plant (package plant) located at the school. The specific listed goals and objectives published with this request for expression of interest (EOI) are as follows:

2.1. **Goal/Objective 1: Complete design plan for the installation of a new wastewater treatment facility.**

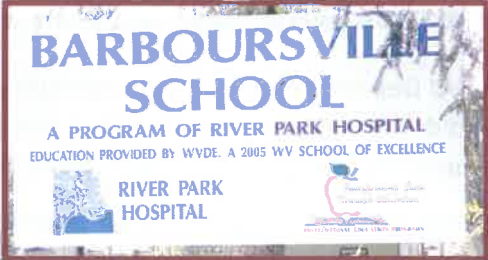
DESIGN IS EXECUTED AND PLANS ARE COMPLETED:

Dunn Engineers Inc. reviews of all available existing plans and conducts site visits to assess client's needs, current conditions of the facility identified in the project and to interview the operators. Once familiar with the actual state of the existing facility, Dunn prepares a Facilities Plan that will describe the current state of the facility identified for the project and the engineer's evaluation of the operational conditions.

The Facilities Plan will describe the engineers' determination of the best course of action forward and describe alternatives including associated cost estimates for the client. We consult with the client, and having determined the client's preferred choice for the project, design is executed and plans are completed.

Please see B. 2.5. CONCEPT discussion for more complete description of the plan. The project will be ready to bid.

A closed wastewater treatment package plant system at the Barboursville School and the immediate vicinity.



CONCESSION STAND



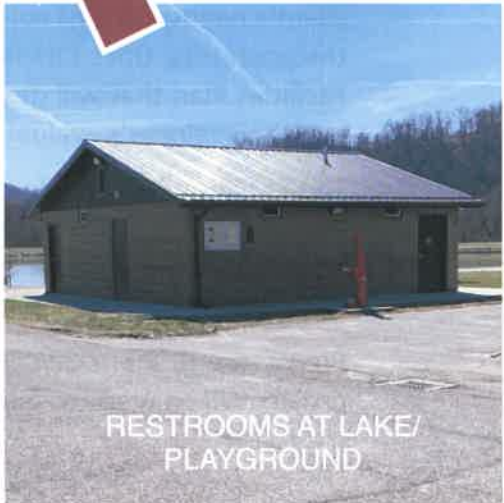
UPPER RESTROOMS



BARBOURSVILLE SCHOOL WASTEWATER TREATMENT PLANT



LOWER RESTROOMS



RESTROOMS AT LAKE/
PLAYGROUND

2.2. Goal/Objective 2: Inclusive of structural foundations required for securing equipment.

Dunn Engineers Inc. will ensure that a full study is undertaken of any issues with the existing facility's foundations and uncover any structural issues. We will design plans that will incorporate any adjustments needed to use land adjacent to the existing plant, designing a new foundation to create a safe, secure structure that will be up to code and meets all regulatory requirements. The final new foundation will include chains and turnbuckles to secure all mounted equipment.

2.3. Goal/Objective 3: Design shall include the shutdown and removal of existing wastewater treatment plant.

Our professional engineers for this project will continue with the project from the planning and design stage through construction. Upon completion of the new plant with testing for successful operation, the old plant will be decommissioned, all equipment removed and destroyed or otherwise used, and the rest of the plant will be demolished, removed and/or buried.

2.4. All permits, fees and licenses as required.

Dunn Engineers' staff includes a permit technician who will act as liaison for the client with all applicable agencies to ensure that the project has all required permits, pays all fees and acquires all licenses. We also make sure that all contractors who bid on the final construction contracts are fully licensed and insured; and that all necessary construction permits, etc. are in place.

All state and federal agencies have specific project administrative requirements which must be followed. We are well versed in these practices and have in-depth experience in SCBG / HUD / RUS / ARC / EDA programs necessary to assist our client in the preparation of contract documents and detailed specifications.

B. ANTICIPATED CONCEPTS AND METHODS OF APPROACH

2.5 CONCEPT for replacement of existing package plant:

- 1) New plant will be designed and built adjacent to the existing plant.
- 2) A concrete foundation pad will be installed to anchor the unit in place.
- 3) Once the new package plant is in place, it is tested after inflow and effluent lines are connected.
- 4) There will be a seamless transfer from old to new treatment plant operations; after successful transfer of treatment from the old package plant to the new one, the contents (of the old sludge tank) in the old package plant will be either pumped into the new plant or hauled away for disposal.
- 5) After the decommissioning of the old plant, all the remaining equipment on top will be removed and disposed of /or demolished, the top of the underground sludge tank will be cut off and removed, leaving the in-ground portion in place and buried.
- 6) Dunn Engineers will design the plan to decommission, demolish and remove the existing plant and design the new plant as well as the method for construction while keeping services in operation throughout all phases of demolition and construction. This plan will ensure that services are not disrupted during the course of the project construction.

- 7) Dunn Engineers will provide construction engineering services to oversee the work of the contractors engaged for the project, oversee the budget and the timeliness of work.
- 8) Dunn Engineers will provide plans of action to schedule construction activities to minimize disruptions to the school day, to school activities, and to the quality of life for the students living at the school facilities.



Village Sanitary Board Wastewater System's Sewer cap (end of the line) above; and roadside sewer cleanouts below. All photos by Dunn Engineers, Inc.

**Potential alternate solution:
construct a new connection
from existing package plant to
end of Village's sewer line.**



Distance ?

3,156 ft

Marked distance from existing package plant to end of existing Village sewer line.

2.6 CONCEPT - **ALTERNATE SOLUTION**

Design of a new connection to the Village of Barboursville Sanitary Board's sanitary sewer collection and treatment system and eliminate existing package plant:

- 1) Design a new collection line that would connect existing lines from the Barboursville School, the three public restroom facilities and the concession stand (located near the athletic fields and Lake William) to the end of the Barboursville Sanitary Board's existing collection line that runs to within approximately 3200 feet of the package plant now.
- 2) Design a lift station (booster pumping station) to assist with the connection.
- 3) Decommission, demolish and remove existing package plant (see description in 2.5, step 5, above).
- 4) Purchase treatment from the Barboursville Sanitary Board.
- 5) Project costs for new line and booster station would essentially equal the cost of a new package plant. The advantage of this option is that long term, the costs of sending wastewater to the Sanitary Board's sewer system would be much less than operation of the proposed new package plant and would eliminate costs and issues cited in 6-8 below.
- 6) Eliminate all of the current costly and time-consuming services provided by the Sanitary Board that include testing, permitting, sludge removal, reports to the WV Department of Environmental Protection (DEP), general maintenance and repairs and the costs of chemicals, sampling and power.
- 7) Eliminate odor issues
- 8) Eliminate time and costs of dredging nearby drainage ditches because of flooding (to the existing package plant) caused in rain events. This would also eliminate costs associated with increased inflow due to the same flooding.



Above left, rust consuming metal parts of the 30-year-old package plant (above right). Photos by Dunn Engineers

2.7 METHODS OF APPROACH:

DUNN ENGINEERS INC. PLAN OF APPROACH

Dunn Engineers, Inc. has been very successful in taking utility projects from conception to completion by utilizing a multi-step procedure that integrates the **owner**, engineer and other professionals. This procedure has been used to guide every project undertaken by our firm.

This plan will entail reviewing current conditions and plans to coordinate and implement the improvement projects needed to provide the requested wastewater improvements to the DHHR's wastewater package plant co-located by the Barboursville School.

The steps of our procedure to be used for your overall wastewater project include:

I. PREPLANNING

The first and most critical step is to preplan your project. Preplanning will accomplish the following goals:

- Identify project team - establishes team members from DHHR and Dunn Engineers
- Establish lines of communications for duration of project.
- Identify existing studies / reports for HHR's wastewater project needs
- Review scope of project
- Set project timeline (schedule).

These goals will be achieved by meeting with the project team (owner, engineer, and other parties as appropriate), and regulatory agencies as may be needed. Once the scope is established, the project will move into the planning / study phase.

II. PLANNING AND STUDY

The second step is to evaluate the problems identified during the preplanning step and develop alternatives for solving them. For the Barboursville School, this would include:

- Review of existing data, any plans and surveys
- Conduct field research
- Compile all existing data and data collected in field research
- Finalize Facilities Plan incorporating all of the above

Once sufficient data is assembled, alternatives for the future wastewater infrastructure project is developed. This will be a living document which will be subject to re-assessment to reflect updated information on the project as it is undertaken and / or completed.

III. DESIGN

Once the specific alternatives for the proposed new wastewater infrastructure project have been determined, the project will proceed to the design step. As in the Planning and Study step, the DHHR will be integrated into the design of the project. Equipment and treatment process selection will be thoroughly discussed with and input obtained from the DHHR to produce the best, most cost-effective project for them and the Barboursville School.

As the design progresses, regular team meetings are held with the DHHR, to apprise them of project progress and to obtain their input prior to the formal review process. Meetings will also be held with the project team to finalize any permit applications or other regulatory requirements.

At the conclusion of the design step, the project will move to construction.

IV. CONSTRUCTION

For most engineering firms, the final step of the project is construction. Once contractor bids are received and construction begins, coordination between the Owner and the Engineer increases as the project is being constructed because the existing system must be kept in operation while the new infrastructure system is being constructed and brought on line.

Regular meetings are held throughout construction to exchange information and resolve any problems that might develop; our resident project representatives will also be onsite every day and communicating with the School, the DHHR, and the Barboursville Sanitary Board's operational staff as necessary.

After construction has been completed, post construction services will begin. These activities will include resolution of warranty issues, assistance with the operation, new equipment and processes, compliance with permitting and reporting requirements.



Views of the Barboursville School Package Wastewater Treatment Plant – photos by Dunn Engineers Inc.

3. QUALIFICATIONS, EXPERIENCE AND PAST PERFORMANCE

3.1 QUALIFICATIONS: Introduction

1) Established Firm

Dunn Engineers, Inc. is a West Virginia based consulting engineering firm that was established in 1975. Since its formation, our firm has been involved in a wide variety of municipal projects, which have enabled our personnel to obtain the breadth and depth of experience needed to meet and exceed the expectations of our clients.

2) Specialists

Dunn Engineers is staffed with specialists to perform the functions required to meet our clients' current and future needs. We currently have a staff of employees that includes three registered professional engineers, an engineer intern, three CAD designers, a permit technician, full time resident project representatives and an office staff. This staffing allows Dunn Engineers, Inc. to perform all the Facilities Planning and Preliminary Engineering Report studies, funding analysis, Infiltration / Inflow Analysis or Water / Sewer System Evaluations, detailed design, permitting, bidding and construction inspection, and administrative services required by our clients. Our design engineers and technicians function as a single integrated unit. The staff at Dunn Engineers, Inc. is fully capable of evaluating and analyzing the base data and information generated prior to design with an eye toward the development of alternative concepts and facilities. Our strong background enables us to quickly analyze problem areas and develop cost-effective solutions.

3) Workload

Our typical annual workload includes approximately five Facility Plan Studies, four to six design projects and four to six construction projects. In addition to these wastewater and water projects, our workload will also include one or more industrial park projects. We very carefully manage our workload to enable us to meet all of the scheduling of our clients and those of the regulatory and funding agencies.

4) Equipment

We have the latest in modern equipment necessary to generate and compile complex engineering data. We are well equipped using our own portable pressure pipe flow meter, open channel flow meters, and pipe location equipment with fully trained staff to operate these units. A well-qualified technical drafting and CAD staff provide the touch of quality in the appearance of our final products. Our CAD operators have over twenty (20) years each of drafting and design.

3.2 QUALIFICATIONS – PROPOSED STAFFING PLAN

STAFFING PLAN

Chief Project Engineer

F. Wayne Hypes, P.E., P.S.

Will oversee the staff and the project from conception to completion. Will be hands-on with project design, teaming with project engineers.

Project Engineers

Frederick L. Hypes, MSCE, P.E., P.S. and Eric T. Hartwell, MSCE, P.E.

Will create any required engineering studies, reports, operations procedures, operation compliance reports, operations full risk assessments

Will work with Chief Project Engineer to design project plans and specifications; oversee project to completion, teaming with resident project representatives (RPRs) for on-site supervision and oversight

Site Resident Project Representatives (RPRs) & Support Staff

RPRs: onsite supervision of construction; Support staff: CADD / Design Department - Engineering Technicians; and Permitting Specialists

3.3 QUALIFICATIONS – KEY PERSONNEL

(complete resumes for Professional Engineers are in Appendix A)

1) **F. Wayne Hypes, P.E., P.S., President and Chief Engineer of Dunn Engineers, Inc.**

Wayne Hypes will lead the team for the project. In addition, he is the firm's chief design engineer and project manager. Directs field investigations, reviews findings and develops alternatives for evaluation; directs design, bidding, construction engineering inspection and administration. Oversees project startup and closeout

CURRENT SIMILAR WASTEWATER PROJECTS:

Town of Cairo package treatment plant (Sewer Manhole and Pumping Station Replacement); Town of Oceana (Wastewater Treatment Plant Upgrade);

COMPLETED SIMILAR WASTEWATER PROJECTS:

Dingess Run PSD (Wastewater Collection System); Town of Worthington (Wastewater Treatment Plant); Spring Heights (Wastewater Treatment Plant upgrade; DEP Compliance)

2) **Frederick Hypes, MSCE, P.E., P.S., Vice-President of Engineering, Dunn Engineers, Inc.**

Fred Hypes is vice-president of engineering and a senior design engineer. Writes Facilities Plans; Assists with funding and regulatory agencies. Attends the IJDC for funding. Facilitates acquisition of the funding package that will work best for each client. Is a state-wide expert witness for water and wastewater engineers.

CURRENT SIMILAR WASTEWATER PROJECTS:

Town of Auburn (Sewer System Treatment and Collection);

COMPLETED SIMILAR WASTEWATER PROJECTS:

Crab Orchard - MacArthur PSD (Town of Ury, Wastewater System); Town of Leon (Sewer System & Wastewater Treatment Plant); Braxton County Senior Citizen Center (Sewage Treatment Plant Upgrade); Town of Wardensville (Sewer System Improvements)

3) **Eric Hartwell, MSCE, P.E., Engineer, Dunn Engineers, Inc.**

Eric Hartwell is a specialist in hydraulic engineering. He is a senior design engineer. Performs detailed hydraulic calculations for wastewater, water and storm water projects. Manages projects through construction and facility startup; provides assistance to clients on various permitting and regulatory compliance issues.

CURRENT SIMILAR WASTEWATER PROJECTS:

City of Ronceverte (Wastewater Treatment Plant); Town of Cedar Grove (Sewer System Rehabilitation) Town of Chapmanville Wastewater Treatment Plant Upgrade

COMPLETED SIMILAR WASTEWATER PROJECTS:

Town of Cedar Grove (Long-Term Control Plan; Sewer System Revitalization)

4) **Edward G. Garbett, II, Engineering Technician and Permit Specialist, Dunn Engineers, Inc.**

Ed Garbett is a permit specialist, working with all the various government departments for required permits for construction and rehabilitation projects. Is a specialist in research and acquisition of easements / rights of way. Provides cost estimates for construction projects.

3.4 QUALIFICATIONS: Resident Project Representatives (RPRs)

Formerly known as "Construction Inspectors"

- ❖ Dunn is unique in that we assign Resident Project Representatives (RPRs) to the work site permanently for the duration of the project.
- ❖ Our RPRs are full-time employees, several of whom have been with us for over fifteen years. These RPRs know that Dunn demands quality work from contractors.
- ❖ Dunn engineers will back our RPRs, shutting down a project if necessary and requiring a redo.
- ❖ Clients participate with the RPR in a weekly drive-through / walk-through of the project so they can ask questions, comment, or ask for something to be done, subject to contract specifications.

1) **Elvis Canterbury**, DEI RPR work experience: City of Keyser, Worthington, City of Logan, Salt Rock, City of Ronceverte, Crab Orchard MacArthur PSD, Oceana, Mason, and Wardensville. Currently working at the Town of Marlinton water treatment plant project.

2) **Randall Canterbury**, DEI RPR work experience: Greater St. Albans / Coal River Road (Route 60).

3) **Steven L. Carnefix**, DEI RPR Flatwoods Canoe Run, Greater St. Albans PSD, City of Keyser, City of War, Sugar Creek PSD. Recently worked at the Greater St. Albans (Marlaing).

4) **Mike McGuire**, DEI RPR work experience: Town of Cairo (wastewater treatment plant), Nettie-Leivasy PSD (water tanks and lines).

5) **Ed Carpenter**, DEI RPR work experience: Nettie-Leivasy PSD, St. Albans MUC, Crab Orchard-MacArthur PSD, City of Petersburg, and City of Keyser. Currently working at Town of Oceana.



3.5 QUALIFICATIONS – REFERENCES

Honorable Chris Tatum, Mayor
Village of Barboursville
721 Central Avenue
P.O. Box 266
Barboursville, WV 25504-0266
(304) 736-8994

Honorable Kalispel Holcomb, Mayor
Town of Ansted
P.O. Box 798
19940 Midland Trail
Ansted, WV 25812
304-658-5901

Sandra Hulsey, Recorder
(former Mayor)
Town of Worthington
247 Main Street, P.O. Box 265
Worthington, WV 26591
(304) 287-2238

Reba Mohler
(former City Manager)
City of Ronceverte
Ronceverte, WV 24970
Email: rmohler@cliftonforgeva.gov

Honorable Bruce Riffle, Mayor
Town of Leon
P. O. Box 22
Leon, WV 25123
(304) 812-7381

Honorable Sam Felton, Mayor
Town of Marlinton
709 Second Avenue
Marlinton, WV 24954
(304) 799-4315

Heather Tuttle, Recorder and City Clerk
Town of Fairview
P.O. Box 119
407 Main Street
Fairview, WV 26570
(304) 449-1642

Honorable Gary S. Haugh, Mayor,
Town of Cairo
285 Main Street, Cairo, WV 26337
(304) 628-3843

Kelley Sanders, General Manager
Union Williams PSD
4468 Williamstown Pike, Williamstown,
WV 26187
(304) 464-5121

Crystal Hayes (Adkins), General Manager
Clay-Roane PSD
P.O. Box 8, Prociuous, WV 25164
(304) 548-5209

Kimberley D. Benson,
City Clerk and Treasurer
City of Ravenswood
212 Walnut Street,
Ravenswood, WV 26164
(304) 273-2621

Kay Ashworth
PSD Board Member
Greater St. Albans PSD
508 4th Street (P.O. Box 687)
St. Albans, WV 25177
Cell (304) 437-580

3.6 EXPERIENCE

1) Experienced Staff

Dunn has many years of experience in assessing the needs for right-sized sewage collection & treatment systems. Our personnel, with experience ranging from 5 to 42 years, have been involved in many different civil engineering projects. Those people now charged with design and construction management for our firm have served for periods of time as members of survey crews gathering design data and performing construction stakeout, resident project representatives, design technicians and design engineers. This variety of experience has proven extremely valuable in determining project feasibility, preparing accurate cost estimates and advising support personnel at critical stages in the development and construction of projects.

2) Project specific experienced

Dunn Engineers has dealt with many different sized wastewater treatment facilities and completed a self-contained package plant facility.

CURRENT PROJECTS - package treatment plants:

- Mount Zion Public Service District
- Walton Public Service District

COMPLETED PROJECTS - package treatment plants:

- Town of Cairo,
- Town of Leon,
- Moncove Lake State Park,
- Communities of Helen and Ury, part of the Crab Orchard - MacArthur Public Service District.
- Pine Meadows Apartments (a private facility in Tornado)

3.7 PAST PERFORMANCE

LOCATION: URY (CRAB ORCHARD - MACARTHUR PSD) COMPLETED

Project Manager: F. Wayne Hypes, P.E., P.S., President of Dunn Engineers

Contact Information: Barry Milam, General Manager, Crab Orchard-MacArthur PSD, P. O.

Drawer 278, Crab Orchard, WV 25827; tel. (304) 252-0604

Type of Project: Sanitary Sewer System for Community of Ury

Project Goals / Objectives: Design a new package treatment plant and collection system for the Town, with a projected population of 13 customers. Designed treatment facility with a duplex influent grinder pumping station, creek crossings, transportation and installation of an existing package treatment plant, chlorination and dechlorination units including effluent tank and pumps, and installation of a subsurface effluent disposal field.

LOCATION: TOWN OF CAIRO

COMPLETED

Project Manager: F. Wayne Hypes, PE, PS, Dunn Engineers

Contact Information: Gary Haugh, Mayor, P.O. Box 162 (285 Main Street)
Town of Cairo, WV 26337; Phone: (304) 628-3843; Fax: (304) 628-3477

Email: townofcairo@gmail.com

Type of Project: Replace / repair Sanitary Sewer Treatment and Collection System

Project Goals: Replace 40,000 GPD Wastewater Treatment Plant; Wastewater Collection System: Refurbish seven (7) sewage pumping stations; replace seven (7) manholes

LOCATION: HELEN, WV (CRAB ORCHARD - MACARTHUR PSD)

COMPLETED

Project Manager: Frederick L. Hypes, P.E., P.S., MSCE Dunn Engineers

Contact Information: Barry Milam, General Manager, Crab Orchard-MacArthur PSD,
P. O. Drawer 278, Crab Orchard, WV 25827; tel. (304) 252-0604

Type of Project: Sanitary Sewer System for Community of Helen

Project Goals / Objectives: Design and construct a wastewater treatment and collection system for the Community of Helen, with a maximum of 100 customers projected. The treatment plant and collection system were designed and constructed, consisting of precast concrete basins, including a 20,000-gallon aeration basin; secondary clarifiers with air lift sludge pumps; a chlorination and dechlorination basin; and 5,000-gallon aerated sludge holding tank; sludge is hauled to the PSD's Fitzpatrick plant for dewatering and disposal. Collection system is a gravity sewer system.

LOCATION: TOWN OF CEDAR GROVE, WV

OUT FOR BID

Project Manager: Frederick L. Hypes, PE, PS, MSCE Dunn Engineers

Contact Information: James Hudnall, Mayor, tel. (304) 595-1841

Type of Project: Refurbish parts of the Collection System, conduct inspections and perform upgrades to a Combined Sewer Overflow and the LTCP

Project Goals: Refurbish six (6) sewer pumping stations and one (1) Combined Sewer Overflow (CSO); conduct smoke testing, and upgrade the CSO long term control plan (CSO LTCP)

LOCATION: ARNOLDSBURG, WV (MOUNT ZION PSD)

IN DESIGN

Project Manager: Frederick L. Hypes, P.E., P.S., MSCE Dunn Engineers

Contact Information: Sheila Burch, Chairperson sburch@littlekanawha.com Cell # 304-483-4679; Mt. Zion Public Service District (PSD), 4418 South Calhoun Highway, Grantsville, WV 26147; Phone (304) 354-7799; Phone (304) 655-8822

Type of Project: Sanitary Sewer System – Package Plant replacement (serves 159 customers)

Project Goals / Objectives The Mt. Zion PSD's package plant was built in 1991 and shows significant deterioration; pumping equipment and controls are 27 years old and have exceeded their useful service lives, parts are becoming difficult to obtain and the equipment requires constant maintenance to remain operational. The PSD will abandon the existing steel plant and to replace it with a new plant adjacent to existing one on the same site. The existing plant would be left in service during the installation of the new plant and then decommissioned and abandoned in place. With the engineering design the new materials and equipment should last up to 40 years or more (note that pumps need more frequent replacement).

LOCATION: WALTON, WV AND GANDEEVILLE, WV (WALTON PSD) **IN DESIGN**

Project Manager: Frederick L. Hypes, P.E., P.S., MSCE Dunn Engineers

Contact Information: Gary Harper, Chairman, Walton Public Sewer District, P.O. Box 14, Walton, WV 25286; Cell (304) 545-8154 moriahv@frontier.com

Type of Project: Initiate a Sanitary Sewer System for two communities with two Package Plants

Project Goals / Objectives: Walton PSD has no existing treatment facility or collection system; potential customers currently dump sewage (straight pipe) to nearby rivers or operate independent septic tanks (which are not feasible in most of the terrain). Approximately 115 potential customers in the Walton area and 120 potential customers in the Gandeeville area can be served by centralized public sewer systems. The PSD will initiate a system for the two areas (one plant for each community). The design plan uses using conventional gravity collection systems (including pumping stations) and two (2) conventional extended aeration "package" plants that utilize MBBR technology and are constructed of precast concrete with stainless steel piping, oversized secondary clarifiers and solid fiberglass or plastic planking covers (instead of the usual steel grating). This is the most cost effective and implementable alternative for providing sewer service to the Walton area.

LOCATION: TOWN OF LEON, WV **COMPLETED**

Project Manager: Frederick L. Hypes, P.E., P.S., MSCE Dunn Engineers

Contact Information: Bruce Riffle, Mayor, Town of Leon, P. O. Box 22, Leon, WV 25123; tel. (304) 812-7381

Type of Project: Wastewater Treatment Facility and Collection System for the Town

Project Goals / Objectives: Design and construct a wastewater collection and treatment system to remedy the water pollution and health hazards in the Town of Leon, the community of Brownsville, and the Leon-Baden Road area. The designed and constructed treatment facility and collection system consists of a 30,000 gpd extended aeration package plant; multiple grinder pump stations; and required two directionally-drilled creek crossings and a gravity creek crossing.

LOCATION: CITY OF RONCEVERTE **COMPLETED**

Project Manager: Eric T. Hartwell, PE, Dunn Engineers

Contact Information: Ms. Reba Mohler, City Administrator, cell #304-646-7011, City of Ronceverte, 200 West Main Street, City Hall, Ronceverte, WV 24970; tel. (304) 647-5455

Type of Project: Upgrade Existing Wastewater Treatment Plant

Project Goals: Wastewater: Expand the capacity of wastewater treatment facility with a new 2.0 MGD vertical loop reactor. This plant will serve 5382 dwelling units (city customers plus those in the Greenbrier Public Service District No.1).

LOCATION: TOWN OF WORTHINGTON **COMPLETED**

Project Manager: F. Wayne Hypes, P.E., P.S., President of Dunn Engineers

Contact Information: Deborah Heflin, Mayor, 247 Main Street, Worthington, WV 26591; tel. (304) 287-2238

Type of Project: Wastewater Treatment Plant upgrade and expansion

Project Goals: Upgrade the existing 0.12 MGD aerated lagoon treatment plant that had been out of compliance for 10 consecutive years to a 0.350 MGD extended aeration treatment facility; lagoons were repurposed as aeration basins.

PRIOR EXPERIENCE

45 years of experience in wastewater design

- Town of Cedar Grove** I&I ✓
- City of Keyser I&I
- Town of Leon
- Town of Mason** ✓
- Town of Flatwoods I&I ✓
- Craigsville Public Service District**
- Mt. Tyler Public Service District
- Raleigh County Commission
- Village of Barboursville ** I&I
- City of Logan ** I&I ✓
- Putnam Public Service District** I&I ✓
- Town of Chapmanville** I&I ✓
- St. Albans Municipal Utility Commission** I&I ✓
- City of Nitro** I&I ✓
- City of Point Pleasant** ✓
- Charleston Sanitary Board (WWTP)** I&I ✓
- Charleston Sanitary Board (Ruthdale Area)
- Town of Oceana** I&I ✓
- Town of Wardensville**
- Town of Eleanor
- City of Ronceverte** ✓
- City of Ravenswood
- Town of Worthington** I&I
- City of War
- Lakin Correctional Facility
- Flatwoods-Canoe Run Public Service District** I&I
- Crab Orchard-MacArthur PSD ** I&I ✓
(with Miscellaneous Extensions Phase I, II; and, with package plants at Lester, Glen White, Midway, Ury and Helen) (Coal City mobile home park)
- Big Sandy Public Service District
- Salt Rock Sewer Public Service District** ✓
- Guthrie Public Service District
- North Beckley Public Service District**
- City of Glenville** ✓
- Town of Camden on Gauley
- Cabell County Commission
- City of White Sulphur Springs ** I&I
- Arbuckle Public Service District **
- Greater St. Albans Public Service District ** I&I ✓
- Town of Cairo ** I&I ✓
- City of Westover I&I



I&I Inflow and Infiltration Abatement Projects

** Wastewater System Retrofit Projects - Includes Wastewater Treatment Plants, Collection Systems, and Pump Stations

✓ Lift Stations / Pump Stations Rehabilitation

Aerated Wastewater Treatment Lagoons

PRIOR EXPERIENCE

WASTEWATER PROJECTS

In-Progress Wastewater Projects

- Union Williams PSD – Wastewater collection and treatment improvements (planning stage)
- City of Ravenswood Phase I: Collection and treatment system (planning stage)
- City of Ronceverte new Sewer Separation and Improvements project (planning stage)
- Town of Grantsville sewer system improvements (planning stage)
- Town of Oceana wastewater treatment plant upgrade (under construction)
- Town of Chapmanville wastewater repair and improvements (substantial completion)
- Town of Cairo pump station replacement (substantial completion)
- Village of Barboursville (planning stage)
- Town of Cedar Grove sewer system rehabilitation (design completed)

Other current wastewater projects in preliminary planning stage

- Town of Chesapeake
- Village of Barboursville
- Mt. Zion PSD
- Town of Ansted

Recently Completed Wastewater Projects

- City of Keyser Wastewater Treatment Plant
- Town of Worthington Wastewater Treatment Plant
- City of Ronceverte Wastewater Treatment Plant
- Greater St. Albans PSD - Phase I & II: Collection System Improvements & Extensions

Wastewater Projects: Pump Station rehabilitations, some Force-main replacements

- City of Charleston
- City of Nitro
- Town of Mason
- City of Point Pleasant
- Town of Henderson
- Flatwoods - Canoe Run PSD
- Town of Oceana
- City of Ronceverte
- Crab Orchard - MacArthur PSD
- Village of Barboursville
- City of Keyser
- Greater St. Albans PSD
- St. Albans Municipal Utility Commission
- Putnam PSD
- North Putnam PSD
- Town of Wardensville
- Town of Cedar Grove
- City of Logan
- Salt Rock Sewer PSD
- City of Glenville

Note that all of these past projects (above) were undertaken with CURRENT Dunn Engineers Inc. staff members.

Other pump station rehabilitation experience

- City of Fayetteville
- Town of Marmet
- City of Sistrerville
- Town of Pratt
- Paden City

APPENDIX A
[ATTACHMENT A]

RÉSUMÉ

F. Wayne Hypes, P.E., P.S.

President

Highlights of Qualifications

With 36 years of experience as a Civil Engineer, Mr. Hypes has a strong background in the planning, design and construction engineering administration of wastewater treatment systems, potable water treatment systems, site development, and solid waste disposal systems.

POTABLE WATER

Mr. Wayne Hypes' potable water experience comprises distribution systems (including extensions) and treatment facilities, having designed nineteen (19) treatment facilities during his career.

Mr. Hypes has designed or upgraded storage tanks (with capacities up to and including 1,500,000 gallon storage tanks), buried storage tanks, miles of distribution lines (both rehabilitation/ replacement of existing lines and design for new extensions), mixed media gravity filter treatment facilities, pressure filter potable water treatment facilities, upgrade of wells, hydropneumatic booster pumping stations, new / refurbished deep wells & springs development, and producing Countywide Water Studies. When continual breaks of water mains or other distribution lines occur, Mr. Hypes has designed solutions to the systems to resolve the issues.



Completed Water Treatment Plant Upgrades and Replacements

Designed by Wayne Hypes, P.E., P.S., *Lead Engineer and President of Dunn Engineers, Inc.*

- | | |
|-------------------------|-------------------------|
| • CITY OF PETERSBURG | • CITY OF LOGAN |
| • CITY OF KEYSER | • TOWN OF WARDENSVILLE |
| • TOWN OF OCEANA | • TOWN OF PINEVILLE |
| • TOWN OF MASON | • CITY OF BENWOOD |
| • CITY OF GLENVILLE | • SUGAR CREEK |
| • NETTIE-LEIVASY | |
| PUBLIC SERVICE DISTRICT | PUBLIC SERVICE DISTRICT |

Education

Bachelor of Science,
Mining Engineering Technology,
West Virginia Institute of Technology,
1982

Associate of Science (Surveying),
West Virginia Institute of Technology,
1983

Registrations

Registered Professional Engineer
Registered Professional Surveyor

Professional Associations

Water Environment Federation
Association of Consulting Engineers
Rural Water Association

WASTEWATER

Mr. Wayne Hypes' wastewater experience includes the planning, design and construction engineering administration of collection systems (including extensions) and more than forty (40) wastewater treatment facilities ranging in size from 0.06 MGD to 21 MGD.

He has designed or upgraded SBR Advanced Wastewater Treatment Plants, a Vertical Loop Reactor advanced wastewater treatment plant, Orbal oxidation ditches, wastewater - aerated lagoons, extended aeration activated sludge, moving bed bio-reactors (MBBRs), gravity sewer collection lines, and gravity interceptors, vacuum and low pressure (grinder pump) collection systems, submersible and wetwell dry pit sewage pump stations, wetwell mounted sewage pump stations, vacuum-primed sewage pump stations, and vacuum collections stations. When ground water and stormwater enter wastewater collection systems, an occurrence known as *inflow and infiltration (I&I)*, Mr. Hypes has designed systems to respond to the issue.



Mr. Hypes (left) as consulting engineer at a wastewater treatment plant in Mississippi after Hurricane Katrina.

Completed Wastewater Treatment Plant Upgrades and Replacements

Designed by Wayne Hypes, P.E., P.S., *Lead Engineer and President of Dunn Engineers, Inc.*

- TOWN OF MASON
- CITY OF NITRO (2)
- ST. ALBANS MUC
- CITY OF GLENVILLE
- CRAB ORCHARD-MACARTHUR PSD
- FITZPATRICK, MARSH FORK, HELEN, URY, RHODELL, & COAL CITY MOBILE HOME PARK 🌊
- TOWN OF WARDENSVILLE 🌊
- CHARLES TOWN GAMING LLC
- CITY OF KEYSER 🌊
- CITY OF RONCEVERTE
- FLATWOODS-CANOE RUN PSD
- TOWN OF OCEANA (2)
- SALT ROCK SEWER PSD (2)
- CITY OF CHARLESTON
- TOWN OF WORTHINGTON 🌊
- TOWN OF CHAPMANVILLE
- ROARING RIVER SUBDIVISION
- TOWN OF LEON
- LAKIN CORRECTIONAL FACILITY 🌊
- PUTNAM PSD
- VILLAGE OF BARBOURSVILLE 🌊
- NORTH BECKLEY PSD
- CITY OF GULFPORT, MISSISSIPPI
- CITY OF LOGAN
- PINE MEADOWS SUBDIVISION
- SPRING HEIGHTS EDUCATION CENTER
- SHAMROCK STABLES
- TOWN OF CAIRO
- TOWN OF AUBURN
- CITY OF RAVENSWOOD 🌊
- TOWN OF ELEANOR 🌊

🌊 *Aerated Wastewater Treatment Lagoons*

OTHER DESIGN WORK

Among Mr. Hypes' other engineering design work are development of industrial development parks, sanitary landfills, and field design and implementation of emergency measures to restore potable water and wastewater service to residents during major flooding, landslides, lightning strikes, wind destruction (derecho), power outages, and unexpected failure of existing equipment, lines and tanks.

UNIQUE LEVEL OF EXPERIENCE

What makes Wayne Hypes' résumé of experience unique among engineers is his depth and breadth of design accomplishments. Few, if any, other engineers have designed as many as ten treatment facilities (water and/or wastewater) in a career. Mr. Hypes' list of designed projects that have moved through to completion with construction is impressive.

RÉSUMÉ

Frederick L. Hypes, P.E., P.S., MSCE

Vice-president of Engineering

Highlights of Qualifications

With over 40 years' experience in planning, design and construction environmental projects, Mr. Hypes has designed systems for both potable water and wastewater.

Mr. Hypes is the former Chief Engineer for the West Virginia Department of Environmental Protection (WV DEP) Construction Assistance Programs for 15 years.

Mr. Hypes has acted as expert witness in courts of law for several decades. On the following page, please see a partial list of cases for which he acted as an expert witness / consultant.



PLANNING AND DESIGN

Mr. Hypes has prepared Facilities Plans and Preliminary Engineering Reports for planning and design engineering projects. He has prepared asset management plans for multiple clients, and assisted with emergency engineering work to resolve unexpected issues for clients.

WASTEWATER

Mr. Hypes has planned, designed, and overseen construction engineering administration for thirteen (13) wastewater collection / treatment systems. His designs have included systems ranging from 0.05 MGD aerated lagoon treatment system to 2.0 MGD wastewater treatment plant and pumping facilities.

POTABLE WATER

His potable water treatment and distribution system experience include seven (7) systems throughout the state of West Virginia. His work has included extension of waterlines, upgrades to current distribution systems, tank inspection with tank refurbishment, repainting, and or replacement, and upgrades to water treatment plants.

Education

Bachelor of Science, (Civil Engineering),
West Virginia Institute of Technology,
1979

Master of Science,
(Civil Engineering), West Virginia
College of Graduate Studies, 1985

Registrations

Registered Professional Engineer
Registered Professional Surveyor

Professional Associations

Water Environment Federation
National Society of Professional
Engineers

Résumé for Frederick L. Hypes, P.E., P.S., MSCE - continued

EXPERTISE IN FUNDING ACQUISITION

Due to his work in fund acquisition for clients, Dunn Engineers is one of the most successful engineering companies in West Virginia at acquiring project funding, having completed one hundred seventy-three (173) IJDC Pre-Applications and have obtained funding for 100% of those projects. Mr. Hypes' grant experience includes grants from the IJDC, Small Cities Block Grants, Rural Utilities Service (RUS), Appalachian Regional Commission (ARC), EPA and US EDA.

EXPERIENCE AT WV DEP

(WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION)

Mr. Hypes was Chief Engineer / Engineering Section Leader - Construction Assistance Programs for fifteen years, and before that was Project Engineer for six years. His duties during those 21 years included supervision of 10 staff engineers, oversight administration of 100 EPA Construction Grant Program wastewater projects and another 100 State Revolving Fund wastewater projects. He did evaluation and trouble-shooting for alternative collection systems (low pressure grinder pump, vacuum, variable gradient sewers) and innovative treatment technologies (captor, SBR's, interchannel clarifiers, ultraviolet disinfection, constructed wetlands).

EXPERT WITNESS-FORENSIC ENGINEERING

Dunn Engineers Inc. is repeatedly selected by other engineering firms, as well as clients, to act in their interest in courts of law. Dunn is the leading firm in the entire State of West Virginia for providing expert legal testimony and acting as engineering consultants in legal cases. Frederick L. Hypes, is recognized as a leading legal expert / consultant in the field of engineering for civil actions in courts of law; some examples of cases follow:

- ◆ Spilman, Thomas & Battle: Town of Burnsville Public Utility Board Expert Witness
- ◆ Mt. Tyler PSD: Expert Testimony: Preparation & Court Testimony
- ◆ Town of Buffalo Wastewater System Project: Expert Witness
- ◆ Town of Cedar Grove: Expert Witness for PSC Complaint Cases
- ◆ Pullen Fowler & Flanagan: Sissonville Pond Expert Witness
- ◆ John McCorkle: Cunningham v. Union Williams PSD
- ◆ Richard A. Hayhurst, Esq.: Union Williams PSD v. Cerrone and Assoc.
- ◆ Sarah A. Lowman v. Charleston Sanitary Board: Expert Witness
- ◆ Simmerman Law / Thrasher Engineering: Expert Witness
- ◆ City of Hurricane: Site Investigation Expert Witness
- ◆ Offutt Nord, PLLC: Expert Witness - City of Westover
- ◆ Ziegler and Ziegler (Anna R. Ziegler): City of Hinton's Gold Coast sewer extension - Expert Witness
- ◆ Huddleston Bolen LLP: Expert Witness - CSX @ Tunnelton
- ◆ MacCorkle, Lavender & Sweeney: Union Williams PSD - Expert Witness
- ◆ Bailey & Wyant PLLC: Armstrong PSD - Expert Witness
- ◆ Ciccarello, Del Giudice & LaFon: Expert Witness - Chelyan PSD, South Charleston Sanitary Board
- ◆ Greater Harrison PSD: PSC Certificate Case

RÉSUMÉ

Eric T. Hartwell, P.E., MSCE



Education

Bachelor of Science,
West Virginia Institute of
Technology, 1995

Master of Science,
West Virginia University,
1997

Registrations

Registered Professional
Engineer

Highlights of Qualifications

Over 22 years' experience in planning, design and construction environmental projects. Mr. Hartwell has a master's degree with a strong emphasis in environmental engineering. He has a background in the design and construction of wastewater treatment and collection systems, potable water treatment and distribution systems, and industrial oil-water separation systems.

WASTEWATER

Mr. Hartwell was an integral part of the design team for wastewater projects that include treatment plants ranging from .65 MGD to 2.4 MGD.

Wastewater plant experience has included designs for Vertical Loop Reactors and SBR Advance Treatment Systems (sequencing batch reactors with aerobic digester and ultraviolet disinfection); his designs have included multiple pumping stations.

He has designed industrial wastewater treatment system for a natural gas compressor station, utilizing an oil-water separator, pumping system, and three manifolded wastewater storage tanks; and for an industrial wastewater treatment system serving a natural gas compressor station, utilizing a chemical addition system and three pressurized sand filters.

POTABLE WATER

His water treatment plant designs have included water well and chemical dosing systems and systems with flocculation basins / flocculating clarifiers and sand filters. He is experienced in preparing the necessary permits for the design, operation and construction of water and wastewater treatment systems



APPENDIX B

[ATTACHMENT B]

West Virginia Ethics Commission
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Name of Contracting Business Entity: Dunn Engineers, Inc. Address: 400 So. Ruffner Rd
Charleston, WV 25314

Name of Authorized Agent: F. WAYNE HYPES Address: (see above)

Contract Number: _____ Contract Description: Sewer Plant Replacement at Barboursville School

Governmental agency awarding contract: Dept. of Health and Human Resources

Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

1. Subcontractors or other entities performing work or service under the Contract

Check here if none, otherwise list entity/individual names below.

2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)

Check here if none, otherwise list entity/individual names below.

3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)

Check here if none, otherwise list entity/individual names below.

Signature: [Handwritten Signature] Date Signed: 3/10/21

Notary Verification

State of West Virginia, County of Kanawha:

I, F. Wayne Hypes, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 10th day of March, 2021.

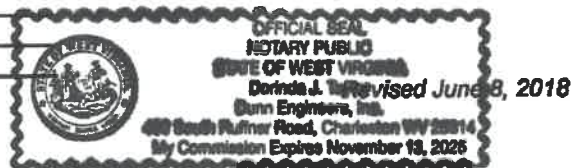
[Handwritten Signature]
Notary Public's Signature

To be completed by State Agency:

Date Received by State Agency: _____

Date submitted to Ethics Commission: _____

Governmental agency submitting Disclosure: _____



My Commission Expires November 18, 2025
400 South Fulton Road, Charleston WV 25304
Donn Englund, Inc.
Donna J. Taylor
STATE OF WEST VIRGINIA
NOTARY PUBLIC
OFFICIAL SEAL



ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI BHS2100000003

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Dunn Engineers Inc.
Company
[Signature]
Authorized Signature
3/10/21
Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Dunn Engineers, Inc.

Authorized Signature: [Signature] Date: 3/10/21

State of West Virginia

County of Kanawha to-wit:

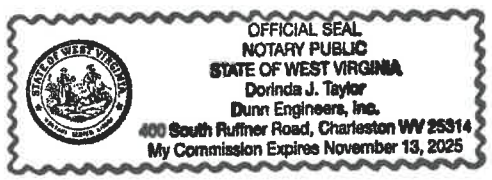
Taken, subscribed, and sworn to before me this 10th day of March, 2021.

My Commission expires November 13, 2025.

AFFIX SEAL HERE

NOTARY PUBLIC [Signature]

Purchasing Affidavit (Revised 01/19/2018)



DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

F. Wayne Hypes
(Name, Title)

F. WAYNE HYPES, PRESIDENT
(Printed Name and Title)

Dunn Engineers, Inc., 400 So. Ruffner Rd, Charleston, WV 25314
(Address)

304-342-3436 / FAX: 304-342-7823
(Phone Number) / (Fax Number)

dunneng@aol.com
(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Dunn Engineers, Inc.
(Company)

F. Wayne Hypes
(Authorized Signature) (Representative Name, Title)

F. WAYNE HYPES, PRESIDENT
(Printed Name and Title of Authorized Representative)

3/10/21
(Date)

304-342-3436 / FAX-304-342-7823
(Phone Number) (Fax Number)