

ATTACHMENT J13

Terre Haute International Airport-Hulman Field (ANG) Wastewater Collection System

Table of Contents

TERRE HAUTE INTERNATIONAL AIRPORT-HULMAN FIELD (ANG) WASTEWATER COLLECTION SYSTEM.....I

J13 TERRE HAUTE INTERNATIONAL AIRPORT-HULMAN FIELD (ANG) WASTEWATER COLLECTION SYSTEM.....2

 J13.1 TERRE HAUTE INTERNATIONAL AIRPORT -HULMAN FIELD (ANG) OVERVIEW 2

 J13.2 WASTEWATER COLLECTION SYSTEM DESCRIPTION 2

 J13.2.1 Wastewater Collection System Fixed Equipment Inventory 2

 J13.2.1.1 Description..... 2

 J13.2.1.2 Inventory 3

 J13.2.2 Wastewater Collection System Non-Fixed Equipment and Specialized Tools 5

 J13.2.3 Wastewater Collection System Manuals, Drawings, and Records..... 5

 J13.3 SPECIFIC SERVICE REQUIREMENTS..... 5

 J13.4 CURRENT SERVICE ARRANGEMENT 5

 J13.5 SECONDARY METERING..... 6

 J13.6 MONTHLY SUBMITTALS..... 6

 J13.7 INFILTRATION AND INFLOW (I&I) PROJECTS..... 6

 J13.8 SERVICE AREA 6

 J13.9 OFF-INSTALLATION SITES 6

 J13.10 SPECIFIC TRANSITION REQUIREMENTS..... 7

 J13.11 GOVERNMENT RECOGNIZED SYSTEM DEFICIENCIES..... 7

List of Tables

Fixed Inventory 3

Spare Parts 5

Specialized Vehicles and Tools 5

Manuals, Drawings, and Records..... 5

New Secondary Meters..... 6

Service Connections and Disconnections 7

System Deficiencies..... 7

J13 Terre Haute International Airport-Hulman Field (ANG) Wastewater Collection System

J13.1 Terre Haute International Airport-Hulman Field (ANG) Overview

The 181st Fighter Wing (FW) of the Indiana Air National Guard occupies 891.88 acres of leased land on the Terre Haute International Airport-Hulman Field, situated approximately five miles east of downtown Terre Haute, located in west central Indiana. The mission of the 181st FW is to provide trained personnel and equipment to protect life and property, and preserve the peace, order and public safety of the state of Indiana when directed by the Governor. The unit currently flies the F-16 Falcon. The 181st FW occupies 4 administrative, 23 industrial, and 4 services buildings totaling approximately 323,335 square feet with 275 full-time personnel. A unit training drill is conducted once a month and results in a surge of up to a total of 1250 personnel.

J13.2 Wastewater Collection System Description

J13.2.1 Wastewater Collection System Fixed Equipment Inventory

The Terre Haute International Airport-Hulman Field (ANG) Wastewater Collection System consists of all appurtenances physically connected to the collection system from the point of demarcation defined by the Right of Way. The system may include, but is not limited to, pipelines, manholes, pumps, and lift stations. The actual inventory of items sold will be in the bill of sale at the time the system is transferred. The following description and inventory is included to provide the Contractor with a general understanding of the size and configuration of the system. The Government makes no representation that the inventory is accurate. The Contractor shall base its proposal on site inspections, information in the technical library, other pertinent information, and to a lesser degree the following description and inventory. Under no circumstances shall the Contractor be entitled to any service charge adjustments based on the accuracy of the following description and inventory.

Specifically excluded from the Wastewater Collection System privatization are:

?? Oil water separators

?? Storm sewers

J13.2.1.1 Description

The Terre Haute International Airport-Hulman Field (ANG) wastewater collection system operates via gravity flow with lift station augmentation and exits the base at one location. The wastewater collection system consists of approximately 9,100 linear feet of PVC pipe, 500 linear feet of cast iron pipe; 6,600 linear feet of vitrified clay pipe; and 500 linear feet of concrete pipe. Pipes range in diameter from two to fifteen inches. General range of pipe depth for the majority of the system is 3 to 6 feet. Some sections of pipe, including force mains, are at greater depths. No tracer wire or warning

tape is used on the system. The system includes four lift stations, 16 pre-cast concrete manholes and seven brick manholes all six feet in depth. Base personnel indicate the capacity of the current system is adequate for present and future needs.

J13.2.1.2 Inventory

Table 1 provides a general listing of the major Wastewater Collection System fixed assets for the Terre Haute International Airport-Hulman Field (ANG) Wastewater Collection System included in the sale.

TABLE 1

Fixed Inventory

Wastewater Collection System Terre Haute International Airport-Hulman Field (ANG)

| Item | Size | Quantity | Unit | Approximate Year of Construction |
|-----------------------|------|----------|------|----------------------------------|
| PVC Pipe | (in) | | | |
| | 4 | 716 | LF | 1980 |
| | 4 | 157 | LF | 1992 |
| | 4 | 16 | LF | 1993 |
| | 4 | 302 | LF | 1994 |
| | 4 | 15 | LF | 1998 |
| | 4 | 735 | LF | 2000 |
| | 6 | 233 | LF | 1978 |
| | 6 | 101 | LF | 1981 |
| | 6 | 35 | LF | 1991 |
| | 6 | 209 | LF | 1993 |
| | 6 | 278 | LF | 1998 |
| | 8 | 266 | LF | 1981 |
| | 8 | 414 | LF | 1985 |
| | 12 | 405 | LF | 1998 |
| | 12 | 28 | LF | 2000 |
| Force Main | 2 | 2939 | LF | 1994 |
| Force Main | 4 | 1650 | LF | 1985 |
| Force Main | 6 | 565 | LF | 1997 |
| Cast Iron Pipe | (in) | | | |
| | 4 | 362 | LF | 1955 |
| | 4 | 26 | LF | 1966 |
| | 6 | 101 | LF | 1966 |

| Item | Size | Quantity | Unit | Approximate Year of Construction |
|---|------------|----------|------|----------------------------------|
| Concrete Pipe | (in) | | | |
| | 3 | 50 | LF | 1966 |
| | 6 | 263 | LF | 1966 |
| | 15 | 170 | LF | 1991 |
| Vitrified Clay Pipe | (in) | | | |
| | 6 | 5609 | LF | 1955 |
| | 8 | 576 | LF | 1966 |
| | 12 | 427 | LF | 1966 |
| Standard Sanitary Sewer Manhole (4 ft diameter) | Depth (ft) | | | |
| Brick | 6 | 5 | EA | 1955 |
| Brick | 6 | 2 | EA | 1966 |
| Pre-Cast Concrete | 6 | 2 | EA | 1981 |
| Pre-Cast Concrete | 6 | 7 | EA | 1985 |
| Pre-Cast Concrete | 6 | 1 | EA | 1987 |
| Pre-Cast Concrete | 6 | 2 | EA | 1994 |
| Pre-Cast Concrete | 6 | 1 | EA | 1993 |
| Pre-Cast Concrete | 6 | 1 | EA | 1997 |
| Pre-Cast Concrete | 6 | 2 | EA | 2000 |
| Wastewater Lift/Pump Station | | | | |
| Lift Station 1: packaged unit, 4-inch force main | | 1 | EA | 1985 |
| Lift Station 2: packaged unit, 4-inch force main | | 1 | EA | 1981 |
| Lift Station 3: packaged unit, 6-inch force main | | 1 | EA | 1997 |
| Lift Station 4: packaged unit, 2-inch force main | | 1 | EA | 1994 |
| Wastewater Pump | (HP) | | | |
| Lift Station 1: Submersible | 15 | 2 | EA | 1985 |
| Lift Station 2: Submersible | 1.5 | 2 | EA | 1981 |
| Lift Station 3: Submersible | 7.5 | 2 | EA | 1997 |
| Lift Station 4: Duplex | 2 | 2 | EA | 1994 |
| Notes: | | | | |
| PVC = Polyvinyl Chloride | | | | |
| LF = Linear Feet | | | | |
| In = Inches | | | | |
| FT = Feet | | | | |
| HP = Horsepower | | | | |
| EA = Each | | | | |

J13.2.2 Wastewater Collection System Non-Fixed Equipment and Specialized Tools

Table 2 lists other ancillary equipment (spare parts) and **Table 3** lists specialized vehicles and tools included in the purchase. Offerors shall field verify all equipment, vehicles, and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment, vehicles, and tools.

TABLE 2

Spare Parts

Wastewater Collection System Terre Haute International Airport-Hulman Field (ANG)

| Qty | Item | Make/Model | Description | Remarks |
|------|------|------------|-------------|---------|
| None | | | | |

TABLE 3

Specialized Vehicles and Tools

Wastewater Collection System Terre Haute International Airport-Hulman Field (ANG)

| Description | Quantity | Location | Maker |
|-------------|----------|----------|-------|
| None | | | |

J13.2.3 Wastewater Collection System Manuals, Drawings, and Records

Table 4 lists the manuals, drawings, and records that will be transferred with the system.

TABLE 4

Manuals, Drawings, and Records

Wastewater Collection System Terre Haute International Airport-Hulman Field (ANG)

| Qty | Description | Remarks |
|-----|--|------------------------------|
| 1 | Wastewater Utility System Maps (electronic copy) | AutoCAD Release Version 2000 |

J13.3 Specific Service Requirements

The service requirements for the Terre Haute International Airport-Hulman Field (ANG) Wastewater Collection System are as defined in the Section C Description/Specifications/Work Statement.

J13.4 Current Service Arrangement

?? **Current Provider:** City of Terre Haute

?? **Average Annual Effluent (2000):** 2,664 kGal

?? **Maximum Monthly Effluent:** 359 kGal (Apr)

?? **Minimum Monthly Effluent:** 157 kGal (Jul)

J13.5 Secondary Metering

The Contractor shall install and calibrate new secondary meters as listed in **Table 5**. New secondary meters shall be installed IAW Paragraph C.13, Transition Plan. After installation, the Contractor shall maintain and read these meters IAW Paragraphs C.3 and J13.6 below.

TABLE 5

New Secondary Meters

Wastewater Collection System Terre Haute International Airport-Hulman Field (ANG)

| Meter Location | Meter Description |
|----------------|-------------------|
| None | |

J13.6 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

1. Invoice (IAW G.2). The Contractor's monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25th of each month for the previous month. Invoices shall be submitted to the person identified at time of contract award.
2. Outage Report. The Contractor's monthly outage report (blockage and overflow information) will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall be submitted by the 25th of each month for the previous month. Outage reports shall be submitted to the person identified at time of contract award.
3. Infiltration and Inflow Report. If required by Paragraph C.3, the Contractor shall submit an Infiltration and Inflow report in a format proposed by the Contractor and accepted by the Contracting Officer. System efficiency reports shall be submitted by the 25th of each month for the previous month. System efficiency reports shall be submitted to the person identified at time of contract award.

J13.7 Infiltration and Inflow (I&I) Projects

IAW Paragraph C.3 Utility Service Requirement, the following projects have been implemented by the Government for managing and monitoring I&I: None.

J13.8 Service Area

IAW Paragraph C.4 Service Area, the service area is defined as all areas within the Terre Haute International Airport-Hulman Field (ANG) boundaries.

J13.9 Off-Installation Sites

No off-installation sites are included in the sale of the Terre Haute International Airport-Hulman Field (ANG) Wastewater Collection System.

J13.10 Specific Transition Requirements

IAW Paragraph C.13 Transition Plan, **Table 6** provides a listing of service connections and disconnections required upon transfer.

TABLE 6

Service Connections and Disconnections

Wastewater Collection System Terre Haute International Airport-Hulman Field (ANG)

| Location | Description |
|----------|-------------|
| None | |

J13.11 Government Recognized System Deficiencies

Table 7 provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the Terre Haute International Airport-Hulman Field (ANG) Wastewater Collection System. If the utility system is sold, the Government will not accomplish these planned improvements. The Contractor shall make a determination as to its actual need to accomplish and the timing of any and all such planned improvements. Capital upgrade projects shall be proposed through the Capital Upgrades and Renewals and Replacements Plan process and will be recovered through Schedule L-3. Renewal and replacement projects will be recovered through Sub-CLIN AB.

TABLE 7

System Deficiencies

Wastewater Collection System Terre Haute International Airport-Hulman Field (ANG)

| Project Location | Project Description |
|------------------|---------------------|
| None | |