

ATTACHMENT J20

Mansfield Lahm Airport (ANG) Water Distribution System

Table of Contents

MANSFIELD LAHM AIRPORT (ANG) WATER DISTRIBUTION SYSTEMI

J20 MANSFIELD LAHM AIRPORT (ANG) WATER DISTRIBUTION SYSTEM2

J20.1 MANSFIELD LAHM AIRPORT (ANG) OVERVIEW..... 2

J20.2 WATER DISTRIBUTION SYSTEM DESCRIPTION..... 2

 J20.2.1 Water Distribution System Fixed Equipment Inventory 2

 J20.2.1.1 Description..... 3

 J20.2.1.2 Inventory 3

 J20.2.2 Water Distribution System Non-Fixed Equipment and Specialized Tools 6

 J20.2.3 Water Distribution System Manuals, Drawings, and Records..... 6

J20.3 SPECIFIC SERVICE REQUIREMENTS..... 7

J20.4 CURRENT SERVICE ARRANGEMENT..... 7

J20.5 SECONDARY METERING..... 7

 J20.5.1 Existing Secondary Meters 7

 J20.5.2 Required New Secondary Meters 7

J20.6 MONTHLY SUBMITTALS..... 7

J20.7 WATER CONSERVATION PROJECTS..... 8

J20.8 SERVICE AREA 8

J20.9 OFF-INSTALLATION SITES 8

J20.10 SPECIFIC TRANSITION REQUIREMENTS..... 8

J20.11 GOVERNMENT RECOGNIZED SYSTEM DEFICIENCIES..... 8

List of Tables

Fixed Inventory 3

Spare Parts 6

Specialized Vehicles and Tools 6

Manuals, Drawings, and Records..... 6

Existing Secondary Meters..... 7

New Secondary Meters..... 7

Service Connections and Disconnections 8

System Deficiencies..... 9

J20 Mansfield Lahm Airport (ANG) Water Distribution System

J20.1 Mansfield Lahm Airport (ANG) Overview

The 179th Airlift Wing (AW) of the Ohio Air National Guard occupies two separate portions of land (the main base area and the POL area, linked by a road included in the lease) totaling 67 acres of leased land on the Mansfield Lahm Airport. The Mansfield Lahm Airport sits approximately 3 miles north of the city of Mansfield, located in north-central Ohio, halfway between Cleveland and Columbus. The mission of the 179th AW is to develop highly qualified operations, logistics, support, and medical professionals who provide theater airlift and mission support to serve the community, state, and nation. The unit currently flies the C-130 Hercules. The 179th AW occupies 4 administrative and 29 industrial buildings totaling approximately 265,000 square feet with 370 full-time personnel. A unit training drill is conducted once a month and results in a surge of up to a total of 945 personnel. There are two construction projects in progress, which when complete, will add approximately 45,000 square feet of building space. The first involves Buildings 200 and 300 and is titled "Replace Security Forces Complex". This is scheduled for completion in 2001, and as part of this project Building 200 will be demolished after the new building 300 is occupied. The second project is titled "Replace Squadron Operations and Communications Complex" and is funded for contract award by 30 September 2001. Additionally, the city of Mansfield is planning to realign Harrington Memorial Road, which would add six acres to the installation, to be used as an automobile parking lot. The date of implementation of this plan is in 2002.

J20.2 Water Distribution System Description

J20.2.1 Water Distribution System Fixed Equipment Inventory

The Mansfield Lahm Airport (ANG) water distribution system consists of all appurtenances physically connected to the distribution system from the point in which the distribution system enters the Installation and Government ownership currently starts to the point of demarcation, defined by the Right of Way. The system may include, but is not limited to, pipelines, valves, corporation stops, meter pits, and fire hydrants. It does not include any water rights. 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 distribution 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 water distribution system privatization are:

- ?? Lawn sprinkler systems
- ?? Fire suppression systems

- ?? The City of Mansfield owned metering station located approximately 150 feet south of the west corner of Building 420 and 20 feet north of the south perimeter fence.
- ?? The City of Mansfield owned metering station located approximately 200 feet northeast of the northeast corner of Building 200 and 400 feet southeast of the eastern most corner of Building 101.
- ?? City of Mansfield owned metering station located in the POL area approximately 125 feet east of the east corner of the POL operations building and 200 feet southeast of the southeast corner of the POL unloading island.

J20.2.1.1 Description

Water is supplied by the City of Mansfield. There are two separate systems: the main base area where water service enters the base and is metered at two locations and the POL area, where water enters the base and is metered at one location. Both systems are configured as predominantly looped systems with dead-end branches. Water is delivered at 56-60 psig. The two distribution systems consist of approximately 4,200 linear feet of PVC pipe, 4,100 linear feet of ductile iron pipe, and 740 linear feet of copper pipe. Pipe diameter ranges from one to twelve inches. Pipes are buried at an average depth of five feet without the use of tracer wire or marking tape. The system also has 19 cast iron-gate valves, eight brass gate valves, three post indicator valves, two corporation stops, three utility meter pits and 15 fire hydrant assemblies. Base personnel indicate the capacities of the current systems are adequate for present and future needs.

J20.2.1.2 Inventory

Table 1 provides a general listing of the major water distribution system fixed assets for the Mansfield Lahm Airport (ANG) water distribution system included in the sale.

TABLE 1
 Fixed Inventory
 Water Distribution System Mansfield Lahm Airport (ANG)

Item	Size	Quantity	Unit	Approximate Year of Construction
PVC Pipe	(in)			
	1	120	LF	1998
	1.5	72	LF	1995
	2	220	LF	1995
	3	92	LF	1997
	3	320	LF	1998
	3	70	LF	1993
	6	57	LF	1995
	6	124	LF	1998
	6	220	LF	1993
	8	784	LF	1999

Item	Size	Quantity	Unit	Approximate Year of Construction
	8	30	LF	1999
	10	498	LF	1995
	10	625	LF	1997
	10	944	LF	1998
	12	68	LF	1995
Ductile Iron Pipe	(in)			
	1	220	LF	1958
	3	176	LF	1951
	3	60	LF	1977
	4	220	LF	2001
	4	75	LF	1978
	6	595	LF	1977
	6	136	LF	1969
	6	238	LF	1965
	6	1274	LF	1950
	6	110	LF	2000
	6	810	LF	1958
	6	184	LF	2001
Copper Pipe	(in)			
	1	50	LF	1950
	1	35	LF	1976
	1.25	145	LF	1976
	1.5	15	LF	2000
	2	286	LF	1951
	2	45	LF	1965
	2	164	LF	1968
Brass Gate Valves	(in)			
	3/4	1	EA	1951
	1	1	EA	1998
	1	1	EA	1976
	1.25	1	EA	1976
	1	1	EA	1958

Item	Size	Quantity	Unit	Approximate Year of Construction
	1	1	EA	1976
	2	1	EA	1965
	2	1	EA	1968
Cast Iron Gate Valves	(in)			
	3	1	EA	1965
	3	1	EA	1998
	3	1	EA	1997
	3	1	EA	1993
	4	1	EA	1972
	4	1	EA	1978
	6	3	EA	1950
	6	1	EA	1965
	6	1	EA	1998
	6	1	EA	1993
	6	1	EA	1977
	8	2	EA	1995
	10	2	EA	1995
	10	1	EA	1997
	12	1	EA	1995
Post Indicator Valves	(in)			
	6	1	EA	2000
	8	1	EA	1999
	10	1	EA	1997
Corporation Stop	(in)			
	1.5	1	EA	1995
	2	1	EA	1995
Meter Pits				
Pre-cast	2 ft x 3 ft x 3 ft	3	EA	1995
Fire Hydrant Assemblies				
		5	EA	1995
		5	EA	1994
		1	EA	1993

Item	Size	Quantity	Unit	Approximate Year of Construction
		1	EA	1977
		1	EA	1979
		2	EA	1965
Notes:				
PVC = Polyvinyl Chloride				
EA = Each				
LF = Linear Feet				
IN = Inches				
FT = Foot				

J20.2.2 Water Distribution 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
Water Distribution System Mansfield Lahm Airport (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3
Specialized Vehicles and Tools
Water Distribution System Mansfield Lahm Airport (ANG)

Description	Quantity	Location	Maker
None			

J20.2.3 Water Distribution 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
Water Distribution System Mansfield Lahm Airport (ANG)

Qty	Description	Remarks
1	Water Main Base system	AutoCAD Release 14
1	Jet Fuel Storage Main Base Complex	AutoCAD Release 14

J20.3 Specific Service Requirements

The service requirements for the Mansfield Lahm Airport (ANG) water distribution system are as defined in the Section C, Description/Specifications/Work Statement.

J20.4 Current Service Arrangement

- ?? **Current Provider:** City of Mansfield
- ?? **Average Annual Usage (2000):** 16,857 kGal
- ?? **Maximum Monthly Usage:** September 3,425 kGal
- ?? **Minimum Monthly Usage:** November 153 kGal

J20.5 Secondary Metering

J20.5.1 Existing Secondary Meters

Table 5 provides a listing of the existing (at the time of contract award) secondary meters that will be transferred to the Contractor. The Contractor shall provide meter readings for all secondary meters IAW Paragraph C.3 and J20.6 below.

TABLE 5
Existing Secondary Meters
Water Distribution System Mansfield Lahm Airport (ANG)

Meter Location	Meter Description (Type)
None	

J20.5.2 Required New Secondary Meters

The Contractor shall install and calibrate new secondary meters as listed in **Table 6**. 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 J20.6 below.

TABLE 6
New Secondary Meters
Water Distribution System Mansfield Lahm Airport (ANG)

Meter Location	Meter Description
None	

J20.6 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 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. **Meter Reading Report.** The monthly meter reading report shall show the current and previous month readings for all identified secondary meters (if any). The Contractor’s monthly meter reading report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Meter reading reports shall be submitted by the 15th of each month for the previous month. Meter reading reports shall be submitted to the person identified at time of contract award.

J20.7 Water Conservation Projects

IAW Paragraph C.3 Utility Service Requirement, the following projects have been implemented by the Government for conservation purposes: None.

J20.8 Service Area

IAW Paragraph C.4 Service Area, the service area is defined as all areas within the Mansfield Lahm Airport (ANG) boundaries.

J20.9 Off-Installation Sites

The Mansfield Lahm Airport (ANG) water distribution system includes the main base area as well as the POL located southwest of the main base area. A road included under the base lease connects these two areas. The POL area has its own dedicated water distribution system that is metered by City of Mansfield exclusive of the main base system.

J20.10 Specific Transition Requirements

IAW Paragraph C.13 Transition Plan, **Table 7** provides a listing of service connections and disconnections required upon transfer.

TABLE 7
 Service Connections and Disconnections
 Water Distribution System Mansfield Lahm Airport (ANG)

Location	Description
None	

J20.11 Government Recognized System Deficiencies

Table 8 provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the Mansfield Lahm Airport (ANG) water distribution 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 8
 System Deficiencies
 Water Distribution System Mansfield Lahm Airport (ANG)

Project Location	Project Description
None	