

ATTACHMENT J27

Toledo Express Airport (ANG) Water Distribution System

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J27 Toledo Express Airport (ANG) Water Distribution System

J27.1 Toledo Express Airport (ANG) Overview

The 180th Fighter Wing (FW) of the Ohio Air National Guard occupies 135.4 acres of leased land on the Toledo Express Airport (ANG), located approximately 22 miles west of Toledo, Ohio. The mission of the 180th FW is to provide combat ready F16C and support units capable of deploying world-wide in minimum response time. The 180th FW occupies 3 administrative, 13 industrial, and 7 services buildings totaling approximately 321,882 square feet with 290 full-time personnel. A unit training drill is conducted once a month and results in a surge of up to a total of 900 personnel.

J27.2 Water Distribution System Description

J27.2.1 Water Distribution System Fixed Equipment Inventory

The Toledo Express 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, 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

J27.2.1.1 Description

Water is supplied by the City of Toledo Water Utility and enters the base at one point. The configuration is a multi-loop system with dead-end branches. Water is delivered at 60 psig. The distribution system consists of approximately 7400 linear feet of PVC pipe, 1400 linear feet of ductile iron pipe, 1900 linear feet of cast iron pipe, 1300 linear feet of copper pipe, 3200 linear feet of cement asbestos pipe. Piping diameter ranges from 3/4 inch to 12 inches. Piping is buried at an average depth of five feet without the use of tracer wire or marking tape. The system also has 56 cast iron-gate valves, 16 brass shutoff valves, 3 post indicator valves and 25 fire hydrant assemblies. Base personnel indicate the capacity of the current system is adequate for present and future needs.

J27.2.1.2 Inventory

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

TABLE 1

Fixed Inventory

Water Distribution System Toledo Express Airport (ANG)

Item	Size	Quantity	Unit	Approximate Year of Construction
PVC Pipe	(in)			
	1	425	LF	1994
	3	510	LF	1997
	6	30	LF	1980
	6	285	LF	1994
	8	315	LF	1980
	8	2875	LF	1994
	10	200	LF	1980
	12	2735	LF	1994
Ductile Iron Pipe	(in)			
	2	70	LF	1995
	3	160	LF	1965
	4	70	LF	1978
	6	370	LF	1980
	8	735	LF	1992
Cast Iron Pipe	(in)			
	3	45	LF	1957
	6	585	LF	1971
	6	200	LF	1975
	6	1055	LF	1978
Copper Pipe	(in)			
	¾	60	LF	1980
	1	130	LF	1961
	1	65	LF	1957
	1.25	65	LF	1985
	1.25	65	LF	1980
	1.5	60	LF	1961

Item	Size	Quantity	Unit	Approximate Year of Construction
	1.5	260	LF	1992
	1.5	45	LF	1974
	1.5	135	LF	1971
	2	270	LF	1980
	2	40	LF	1958
	2	75	LF	1978
	3	60	LF	1978
Cement Asbestos Pipe	(in)			
	4	40	LF	1958
	6	1380	LF	1958
	8	265	LF	1965
	8	370	LF	1971
	8	1015	LF	1958
	12	125	LF	1978
Valves	(in)			
Cast Iron	2	1	EA	1995
Cast Iron	3	1	EA	1957
Cast Iron	3	1	EA	1965
Cast Iron	3	2	EA	1997
Cast Iron	4	1	EA	1978
Cast Iron	6	2	EA	1971
Cast Iron	6	1	EA	1995
Cast Iron	6	6	EA	1978
Cast Iron	6	1	EA	1980
Cast Iron	6	9	EA	1958
Cast Iron	6	1	EA	1994
Cast Iron	8	4	EA	1992
Cast Iron	8	3	EA	1971
Cast Iron	8	7	EA	1958
Cast Iron	8	3	EA	1965
Cast Iron	8	4	EA	1994
Cast Iron	10	1	EA	1980

Item	Size	Quantity	Unit	Approximate Year of Construction
Cast Iron	12	1	EA	1978
Cast Iron	12	7	EA	1994
Brass Shut-off	¾	1	EA	1980
Brass Shut-off	1	3	EA	1994
Brass Shut-off	1	1	EA	1957
Brass Shut-off	1	1	EA	1961
Brass Shut-off	1.25	1	EA	1985
Brass Shut-off	1.5	1	EA	1974
Brass Shut-off	1.5	1	EA	1992
Brass Shut-off	1.5	1	EA	1961
Brass Shut-off	1.5	1	EA	1971
Brass Shut-off	2	1	EA	1958
Brass Shut-off	2	2	EA	1980
Brass Shut-off	2	1	EA	1978
Brass Shut-off	3	1	EA	1978
Fire Hydrants				
		1	EA	1971
		1	EA	1995
		3	EA	1978
		2	EA	1992
		5	EA	1994
		4	EA	1980
		2	EA	1985
		5	EA	1958
		2	EA	1990
Post Indicator Valves				
	6	3	EA	1958
Notes:				
PVC = Polyvinyl Chloride				
EA = Each				
LF = Linear Feet				
IN=Inches				

J27.2.2 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 Toledo Express Airport (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3
Specialized Vehicles and Tools
Water Distribution System Toledo Express Airport (ANG)

Description	Quantity	Location	Maker
None			

J27.2.3 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 Toledo Express Airport (ANG)

Qty	Description	Remarks
1	Water Utility System Maps (electronic copy)	AutoCAD Release Version 2000

J27.3 Specific Service Requirements

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

J27.4 Current Service Arrangement

- ?? **Current Provider:** City of Toledo
- ?? **Average Annual Usage (2000):** 2,655 kGal
- ?? **Maximum Monthly Usage:** 381 kGal
- ?? **Minimum Monthly Usage:** 97 kGal

J27.5 Secondary Metering

J27.5.1 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 J27.6 below.

TABLE 5

Existing Secondary Meters
Water Distribution System Toledo Express Airport (ANG)

Meter Location	Meter Description (Type)
None	

J27.5.2 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 J27.6 below.

TABLE 6

New Secondary Meters
Water Distribution System Toledo Express Airport (ANG)

Meter Location	Meter Description
None	

J27.6 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.

J27.7 Water Conservation Projects

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

J27.8 Service Area

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

J27.9 Off-Installation Sites

No off-installation sites are included in the sale of the Toledo Express Airport (ANG) water distribution system.

J27.10 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 Toledo Express Airport (ANG)

Location	Description
None	

J27.11 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 Toledo Express 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 Toledo Express Airport (ANG)

Project Location	Project Description
None	

