

**ADVERTISED BID**  
**CITY OF ST. LOUIS**  
 OFFICE OF THE SUPPLY COMMISSIONER  
 1200 MARKET ST RM 324  
 ST LOUIS MO 63103-2842



REQUEST FOR QUOTE  
 5111200010

PAGE  
 1

ADDRESS CORRESPONDENCE TO

... We agree to furnish the following articles to the City of St. Louis, free of any extra charges, in the quantity named and at the prices respectively stated:

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TRAFFIC DIVISION  
 1900 HAMPTON AVE  
 ST LOUIS MO

63139

SEE TERMS AND CONDITIONS ON THE REVERSE SIDE OF THIS QUOTATION SHEET.

DATE PRINTED 08/12/11	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
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REPLY DUE BY: 09/07/11 12:00 O'CLOCK NOON

NEEDED BY DATE	QUANTITY	UNIT	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
	REQ LINE NUMBER : 0001					
	4	EA	STRT	302LE904		
	ACUIX 35 X PT2 CAMERA (SEE ATTACHED SPECS)					
	REQ LINE NUMBER : 0002					
	4	EA	STRT	302LE905		
	100 FT CABLE ASSEMBLY WITH PLUG - SPEC#RUSCOMLABI-X					
	REQ LINE NUMBER : 0003					
	6	EA	STRT	302LE907		
	AXIS 241 Q/S VIDEO SERVER - SEE ATTACHED SPECS					
	REQ LINE NUMBER : 0004					
	4	EA	STRT	302LE906		
	FIELD BOX PANEL MOUNT X POWER SUPPLY					
	SPEC#RUSFB120X					
					<b>TOTAL</b> →	

NAME OF FIRM		<b>STATE DELIVERY:</b>		COMPTROLLER	Date
ADDRESS		CALENDAR DAYS			
CITY	STATE	SIGNED BY:		SUPPLY COMMISSIONER	Date
PHONE	Area Code ( )				

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NEEDED BY DATE	QUANTITY	UNIT	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>PLEASE SEE ATTACHED SPECS. ANY QUESTIONS CONTACT LEN EFTHIM (314) 647-3111 X1105. THIS IS REBID OF 51111P0062, PLEASE HONOR THOSE PRICES IF POSSIBLE.</p> <p>OR ACCEPTABLE EQUAL CLEARLY STATE MFG., NO. &amp; BRAND</p> <p>VENDOR MUST SUBMIT DETAILED INFORMATION WITH BID ON PRODUCT OFFERED</p> <p>IF FREIGHT OR DELIVERY CHARGE TO BE BILLED, IT MUST BE INCLUDED IN THIS QUOTE OR IT WILL NOT BE PAID.                      ( ) FREIGHT IS INCLUDED IN THE QUOTED UNIT PRICE.                      ( ) WE WILL CHARGE FREIGHT/DELIVERY IN THE AMOUNT OF:                      \$ _____</p> <p>IT IS THE POLICY OF THE SUPPLY DIVISION THAT ALL BIDS/ CONTRACTS AWARDED IN THE AMOUNT OF \$500.00 AND ABOVE ADHERE TO THE MAYOR'S EXECUTIVE ORDER #28 WHICH REQUIRES MINIMUM UTILIZATION OF MINORITY OWNED BUSINESSES OF 25% AND WOMEN OWNED BUSINESSES OF 5%. ALL VENDORS MUST COMPLY WITH THIS POLICY AND ALL OTHER PROVISIONS OF EXECUTIVE ORDER NO. 28.</p> <p>PLEASE RESPOND:                      VENDOR MUST COMPLETE, SIGN &amp; RETURN THE ENCLOSED BUY AMERICAN FORM WITH THEIR BID.</p>						
<b>TOTAL</b> →						

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ADDRESS	CALENDAR DAYS		
CITY	SIGNED BY:	SUPPLY COMMISSIONER	Date
PHONE			
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NEEDED BY DATE	QUANTITY	UNIT	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p><b>**BID REQUEST AND ATTACHED FORM/S MUST BE COMPLETELY FILLED OUT AND SIGNED. IF NOT, BID MAY BE REJECTED.**</b>  <b>PLEASE QUOTE PRICES ON THIS FORM AND SIGN BID.</b></p> <p>*                  VENDORS SHOULD NOTE IF THEY ARE MINORITY OR WOMEN OWNED BUSINESS (CHECK)                  MBE ----- WBE-----</p> <p>ALL BIDS MUST INCLUDE COMPLETED "BUY AMERICAN" AND "MINORITY/WOMEN UTILIZATION STATEMENT" FORMS, AND ANY SUPPLEMENTAL INFORMATION REQUIRED. ANY QUESTIONS SHOULD BE DIRECTED TO THE BUYER.</p> <p>*** BID RESULTS MAY BE AVAILABLE 30 DAYS AFTER OPENING DATE. IF YOU DESIRE BID RESULTS, PLEASE INCLUDE A SELF ADDRESSED STAMPED ENVELOPE WITH YOUR BID. ***</p> <p>NOTICE RE: ORDINANCE #60643</p> <p>-----</p> <p>A CITY OF ST. LOUIS BUSINESS LICENSE IS REQUIRED IF YOU MEET ANY OF THE FOLLOWING (CHECK AS APPROPRIATE):</p> <p>----- BUSINESS IS LOCATED WITHIN THE CITY LIMITS</p> <p>----- DELIVERY WITHIN CITY LIMITS IS BY COMPANY TRUCK</p> <p>----- SALES CALLS MADE WITHIN THE CITY LIMITS</p> <p>PLEASE TYPE NAME OF CONTACT PERSON FOR THIS BID:                  NAME: -----                  FAX: -----                  E-MAIL: -----</p> <p style="text-align: right;"><b>TOTAL →</b></p>						

NAME OF FIRM	STATE DELIVERY:	COMPTROLLER	Date
ADDRESS	CALENDAR DAYS		
CITY STATE	SIGNED BY:	SUPPLY COMMISSIONER	Date
PHONE Area Code ( )			



ADVERTISED BID

# CITY OF ST. LOUIS

OFFICE OF THE SUPPLY COMMISSIONER  
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----- +-----+ BIDS WILL BE AWARDED BASED ON OFFICIAL SPECIFICATIONS PROVIDED BY SUPPLY DIVISION ONLY & ANY RELATED ADDENDA. ALL INQUIRIES MUST BE IN WRITING (LETTER/E-MAIL/FAX) TO THE FOLLOWING BUYER: BILL FULKERSON - FULKERSONB@STLOUISCITY.COM FAX# 314-622-4141 . . . PHONE# 314-622-4250 +-----+						
<b>TOTAL</b> →						

NAME OF FIRM		STATE DELIVERY:		COMPTRROLLER	Date
ADDRESS		CALENDAR DAYS			
CITY	STATE	SIGNED BY:		SUPPLY COMMISSIONER	Date
PHONE					
Area Code ( )					



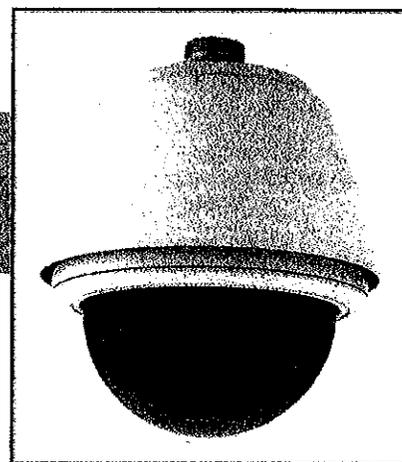
## ACUIX™ PTZ Dome

### ACUIX™ PTZ Dome

The ACUIX PTZ dome features four integrated high-resolution auto-focus cameras for virtually any application. The color camera is available with an 18X zoom lens and 470 TVL (460 TVL PAL) of resolution.

The Wide Dynamic Range (WDR) and True Day/Night (TDN) models feature 18X, 26X and 35X zoom lenses and up to 540 TVL (530 TVL PAL) of resolution. The 35X model also includes Electronic Image Stabilization (EIS) for improved image quality in unstable mounting situations.

24 Village Pointe Drive  
Powell, OH 43065-7760  
Phone: 614.791.8843  
Fax: 614.789.0252  
[www.treehavenvision.com](http://www.treehavenvision.com)



### Features:

- 35X, 540 TVL, 128X Wide Dynamic Range (WDR), True Day/Night Motion Detection, and Electronic Stabilization (HDXG Series)
- 18X & 26X, 530 TVL, 128X Wide Dynamic Range (WDR), True Day/Night (HDXJ & HDXF Series)
- 18X Color, 470 TVL (HDXA Series)
- IP66 outdoor pendant housing
- Remote firmware updates
- Secure backup of all camera settings
- Active UTP video output standard in all domes
- 4 dry contact inputs
- Up to 150 user-defined presets
- 16 preset tours of 64 presets each
- 32 Dynamic Privacy Zones
- Password protection prevents unauthorized users from altering system settings
- Built-in surge and lightning protection
- Menus are provided for English, French, German, Dutch, Italian, Polish and Spanish

# Specifications:

# RVS ACUIX™ PTZ Dome

CAMERA	HDXA	HDXJ	HDXF	HDXG
<b>Image Sensor</b>	1/4" Ex-view HAD CCD	1/4" Ex-view HAD CCD	1/4" Ex-view HAD CCD	1/4" Ex-view HAD CCD
<b>Lens</b>	18X optical zoom, f=4.1m (wide) to 73.8mm (tele), F1.4 to F3.0	18X optical zoom, f=4.1 m (wide) to 73.8 mm (tele), F1.4 to F3.0	26X optical zoom, f=3.5 m (wide) to 91.0 mm (tele), F1.4 to F3.8	35X optical zoom, f=3.4 (wide) to 119mm (tele), F1.4 to F4.2
<b>Horizontal Resolution</b>	>470 TVL (NTSC) >460 TVL (PAL)	>530 TVL (NTSC) >520 TVL (PAL)	>530 TVL (NTSC) >520 TVL (PAL)	>540 TVL (NTSC) >530 TVL (PAL)
<b>Moveable IR filter</b>	No	Yes	Yes	Yes
<b>Wide Dynamic Range</b>	No	Yes, 128X	Yes, 128X	Yes, 128X
<b>Digital Zoom</b>	12X (216X total zoom)	12X (216X total zoom)	12X (312X total zoom)	12X (420X total zoom)
<b>Angle of View (H)</b>	48° (wide end) to 2.8° (tele end)	48° (wide end) to 2.8° (tele end)	54.2°(wide end) to 2.2° (tele end)	55.8°(wide end) to 1.7° (tele end)
<b>Sync System</b>	Internal/AC line lock	Internal/AC line lock	Internal/AC line lock	Internal/AC line lock
<b>Minimum Illumination</b>	0.7 lux	0.7 lux, 0.01 lux (IR filter removed)	1.0 lux, 0.09 lux (IR filter removed)	0.5 lux, 0.05 lux (IR filter removed)
<b>S/N Ratio</b>	> 50 dB	> 50 dB	> 50 dB	> 50 dB
<b>Electronic Shutter</b>	1/1 to 1/10,000 sec	1/1 to 1/10,000 sec	1/1 to 1/10,000 sec	1/2 to 1/30,000 sec
<b>White Balance</b>	Auto, ATW, Indoor, Outdoor, Manual	Auto, ATW, Indoor, Outdoor, Manual	Auto, ATW, Indoor, Outdoor, Manual	Auto, Indoor, Outdoor, Manual
<b>Gain</b>	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual
<b>Backlight Compensation</b>	On/Off/Auto	On/Off/Auto	On/Off/Auto	On/Off/Auto
<b>Focusing System</b>	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual
<b>Electronic Image Stabilization (EIS)</b>	No	No	No	Yes, up to 12 dB suppression

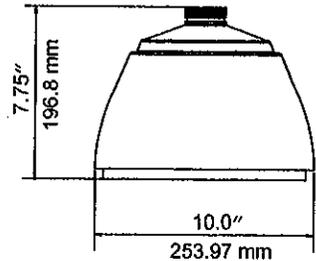
Note: The information contained in this document is subject to change without notice.

# Specifications:

# RVS ACUIX™ PTZ Dome

Operational	
Angular Travel	Horizontal: 360° continuous Tilt: 5° above horizontal to 90° down
Speed (Manual Mode)	Pan: variable from 0.10° to 480°/sec. Tilt: variable from 0.10° to 240°/sec.
Speed to Preset	<0.5 sec.
Preset Accuracy	± 0.09°
Presets Per Dome	150 with IntelliBus and Diamond protocols, 132 with MAXPRO Mode, 99 with VCL protocol
Preset Tours	16 tours with up to 64 presets per tour
Still Shot™ Feature	Freeze-frame of video between presets during tour
Mimic Tours	16 2-minute mimic tours
Sector Identification	16 independent sectors or zones
Dynamic Privacy Zones	32 Dynamic Privacy Zones
Installation in Housing	Simple electrical quick disconnect and mechanical slide mount
Default Function	Activates preset tours and mimic tours after programmable period of inactivity.
Flashback	Recalls the last preset position observed whether in manual, preset tour or mimic tour. Presets can be toggled between last two
Digital Zoom Label	Provides on-screen identification of digital zoom setting (i.e., 2X, 4X, 12X). User selectable.
24 VAC Line-Lock	Unit is 24 VAC line locked with 180° phase adjust
Alarm Processing	4 on-board inputs for dry contacts
Protocols Supported	IntelliBus, Diamond, Maxpro mode, VCL, VCL up-the-Coax and Pelco "P" & "D"
Receiver/Driver	Digital Communication: RS485 Addressing: 4 numeric rotary switches Protocol: 8 position DIP switch Battery-backed memory
UTP Output	Active UTP output with video frequency and gain adjustments in OSD

Environmental	
Temperature	Absolute Max: +140°F (60°C) Operating: -40°F to 122°F (-40°C to 50°C) Storage: -40°F to 140°F (-40°C to 60°C)
Relative Humidity	0 to 95%, non-condensing
Protection Classification	IP66 NEMA4X
Regulatory	
Emissions	FCC: Part 15, Class B CE: EN55022, Class B
Immunity	EN Series 61000-2-2, 61000-4-2, 61000-4-3, 61000-4-4, 61000-4-5, 61000-4-6, 61000-4-11
Safety	UL 60065 EN60950
Electrical	
Input Voltage	24 VAC @ 50/60 Hz, Class 2 LPS
Input Tolerance	21 to 27 VAC
Power Consumption	55 W Peak 41 W Idle
Mechanical	
Dimensions	Housing: 7.75" H x 10.0" Dia (196.8 mm H x 254 mm Dia) Lower Dome: 7.5" Dia (191 mm Dia)
Weight	6.7 lbs (3.04 kg)
Construction	Housing: Aluminum Lower Dome: Optical Grade Acrylic Finish: Cool gray
Mounting Method	1.5"NPT



Note: The information contained in this document is subject to change without notice.

# Accessories & Ordering:

# RVS ACUIX PTZ Dome

Accessories	
<b>Mounts</b>	
RVSDWM19S	Wall Mount with Strut
RVSPRM100B	Parapet and Flat Roof Mount
RVSPMA-Astro	Pole Mount Adapter, AstroBrac
RVSPMA18BL	Pole Mount Adapter, Black
RVSPMA18BS	Heavy Duty Pole Mount Adapter, Black with Strut
<b>Power Supplies</b>	
RVSB120R	Field box power supply, rack mount
RVSB120X	Field box power supply, panel mount with local control
RVSB120XL	Field box power supply, panel mount

Accessories (Continued)	
<b>Cables</b>	
RVSCOMCAB1	Composite cable. Contains power, data and coax.
Remote Composite Cable	Composite cable. Contains data and coax.
Dome Mating Cable	Mates with Dome Pigtail. Contains 14 pin connector on one end and fly leads on the other end.
Dome Pigtail Cable	Cable assembly with 14 in connector on one end and fly leads on the other end. Mates with Composite Cable or Dome Mating Cable.

Compatible Devices	
RV3000	Joystick Camera Controller

### System Compatibility

The ACUIX high speed dome system is supported by a comprehensive line of video management systems and accessories. Treehaven's RVS10000 and RVS8000 Series Network Video Controllers provide network based client and joystick control, video recording and processing capabilities.

**Ordering**

**HOW TO ORDER**

Example:  
**RVSHDXGNWACW-8 =**  
**35X WDR & TDN**  
**w/EIS/NTSC/Outdoor**  
**Pendant/Analog/**  
**Clear/White/8 Inches**

**RVS HDX G N W A S W - 8**

Series

Camera  
A = 18X Color  
J = 18X WDR & TDN  
F = 26X WDR & TDN  
G = 35X WDR & TDN w/EIS

Format  
N = NTSC  
P = PAL

Housing  
W = Outdoor Pendant

Interface  
A = 2-wire RS485, VCL  
Up-the-Coax, UTP

Pigtail Length (in inches)  
Trim Ring  
W = White  
B = Black

# TREEHAVEN

technologies

24 Village Pointe Drive  
Powell, OH 43065-7760

Phone: 614.791.8843  
FAX: 614.789.0252

[www.treehavenvision.com](http://www.treehavenvision.com)

**Roadway Vision  
Systems  
Accessories**

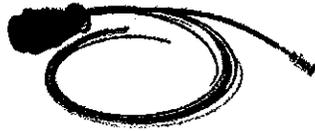
For use with Treehaven Technologies' cameras, power supplies and mounts, these cable assemblies provide factory installed and tested connectors facilitating rapid and reliable camera site installs. Custom cable assemblies are also available based on the customer's design.

For applications where a traffic cabinet is not available at the camera site, these NEMA 4X fiberglass enclosures are available in two sizes and are compatible with Treehaven Technologies' panel mount power supplies.

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**Accessories: Cables & Enclosures**

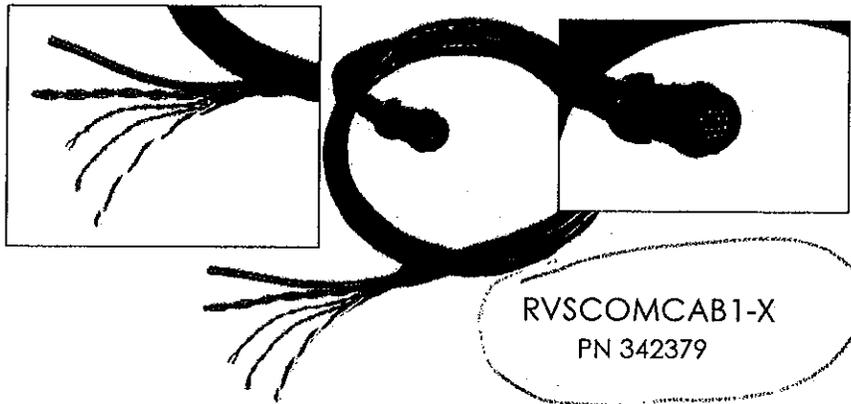
**Cable Assemblies**



RVS Dome Mating Cable  
PN 342383

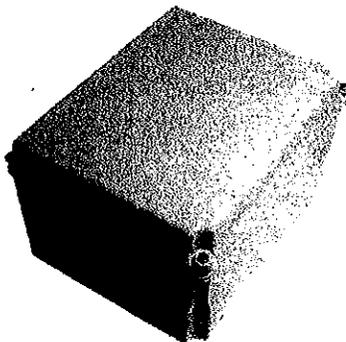


RVS Dome Pigtail Cable  
PN 342389

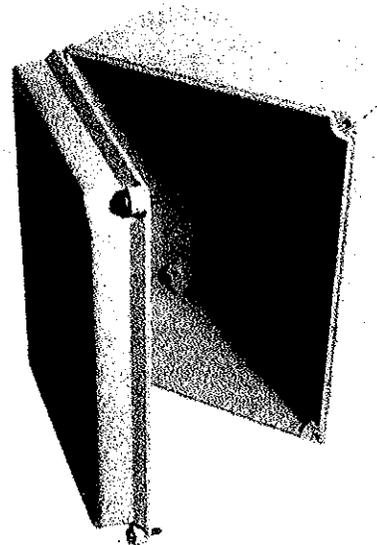


RVSCOMCAB1-X  
PN 342379

**Enclosures**



NEMA Box  
PN 342395



**Specifications:**

**Cable Assemblies:**

RVS COMCAB1-X PN 342379

Mechanical	
Construction	13 conductors with PVC overall jacket. Conductors include: (1) RG59 Coax Cable, Belden 1426A (1) 16 AWG Pair (1) 14 AWG Pair (2) 22 AWG Shielded Pairs (2) 22 AWG Pairs
Dimensions	Overall diameter: Nominal 0.6" (15.2 mm) Bulk lengths = 1000 ft +/- 100 ft Cut lengths = 150 ft Max
Environment	Indoor / Outdoor
Weight	Approximately 20 lb per 100 ft

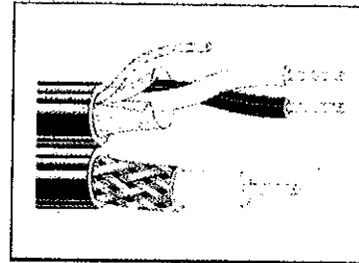
**Enclosures:**

NEMA Box PN 342395

Mechanical	
Construction	Fiberglass hinged solid door 4X rated Light gray UL 508A, NEMA/EEMAC type 4X CSA File # 42186 IEC 60529, IP66 Screw or quick latch versions available
Dimensions	Two sizes available Overall Dimensions: 10" x 8" x 6" and 14" x 12" x 8"
Environment	Indoor/Outdoor

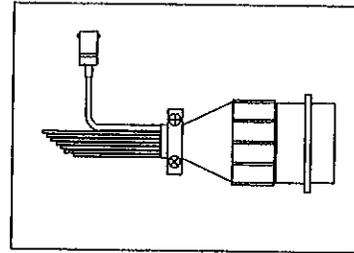
Remote Composite Cable PN 342394

Mechanical	
Construction	Four conductor with PVC overall jacket. Siamese type construction Conductors include: (1) 75 Ohm coax cable (1) 22 AWG shielded stranded twisted pair data cable
Dimensions	Overall diameter: Nominal 0.424" (6.14 mm) x 0.470" (11.94 mm) Bulk lengths: 500 ft or 1000 ft
Environment	Indoor/Outdoor
Weight	500 ft length = 32.5 lb 1000 ft length = 62.0 lb



Dome Mating Cable PN 342383 (Female pins)

Mechanical	
Construction	14 pin AMP circular connector. 13 conductors. Conductors include: (11) 18 AWG Teflon coated stranded wire (1) Coax Cable, 75 Ohm Belden 8218
Dimensions	Wire length = 18" Coax cable length = 8"
Environment	Indoor / Outdoor



Dome Pigtail Cable PN 342389 (Male pins)

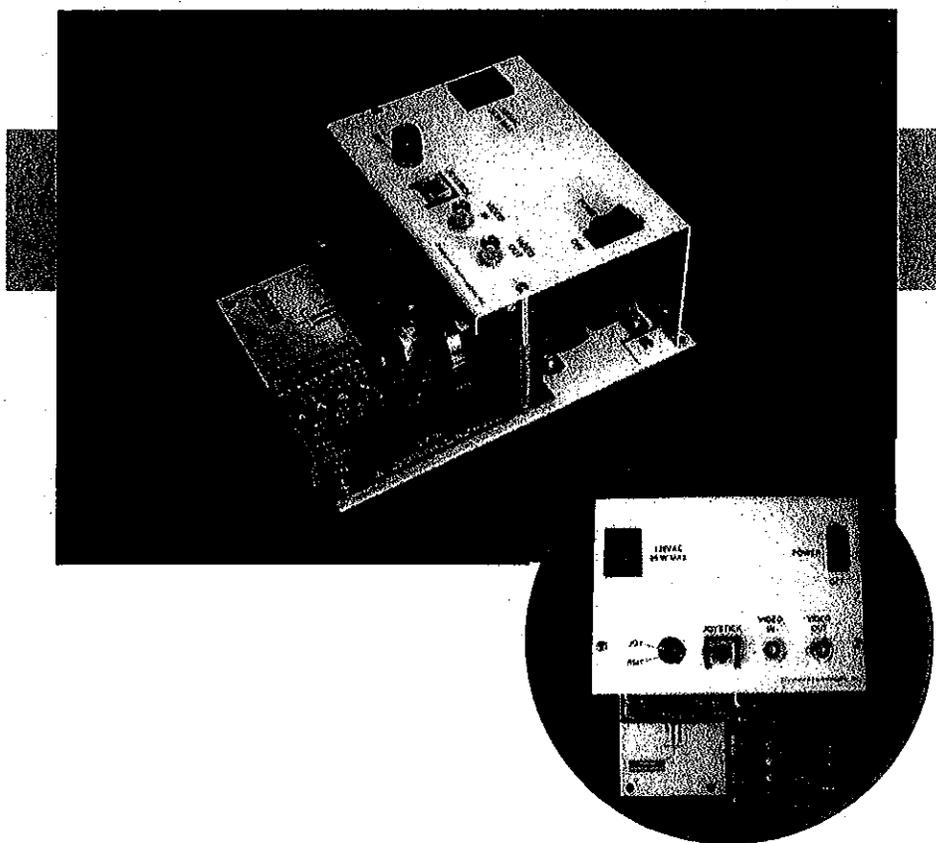
Mechanical	
Construction	14 pin AMP circular connector. 6 conductors. Conductors include: (4) 18 AWG Teflon coated stranded wire (1) Coax Cable, 75 Ohm Belden 8218 Stainless steel strain relief
Dimensions	Wire length = 8" Coax cable length = 8"
Environment	Indoor / Outdoor

Available as separate cable or factory installed on customer provided dome.

Note: The information contained in this document is subject to change without notice.

**RoadWay Vision  
Systems Field Box**

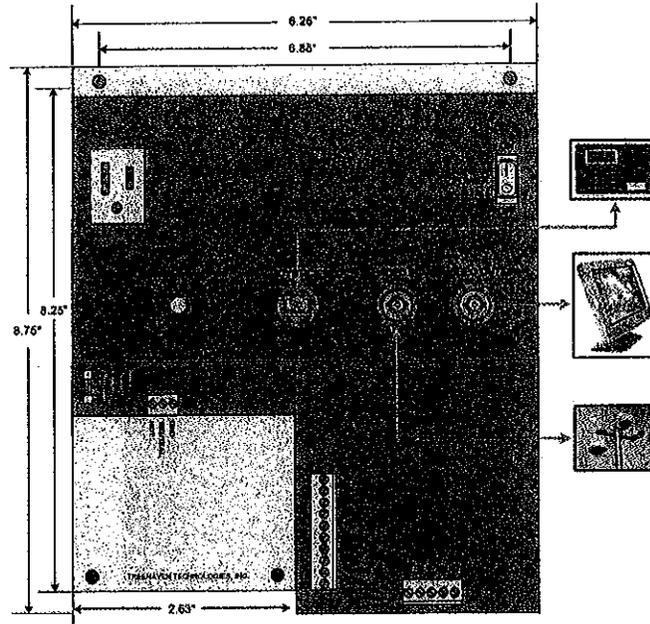
*The Remote Vision System  
Field Box is an  
economical, robust CCTV  
field mounted accessory  
that provides an  
assortment of camera  
power, data, local  
camera setup and  
communications  
capability in a small foot-  
print assembly.*



**Features:**

- Surge suppression on data, video and power lines.
- Video output for test monitor connection.
- Plug-in connection for joystick controllers.
- Manual switch to select either joystick, laptop or remote Operations Center PTZ control.
- AC receptacle for local test monitor.
- Available with NEMA 4x enclosure.
- Small footprint: 7" W x 9.5"H x 5.5"D

24 Village Pointe Drive  
Powell, OH 43065  
Phone: 614.791.8843  
Fax: 614.789.0252  
[www.treehavenvision.com](http://www.treehavenvision.com)



## Technical Specifications

### Model RVSFB:

RVSFB = RoadWay Vision System Field Box

120 = Voltage (120 or 240)

E = Enclosure Included

R = Rack Mount

S = Optional Speed-On-Video

W = Optional Weight-On-Video

A = Network Video Server

F = Fixed Camera

T = Terminal Strip Only

X = Small Footprint

B = Bosch Biphas

### Electrical:

AC Input Voltage: 120VAC 50/60 Hz, 1.8A

Dome Power Output: 24V, 50/60 Hz, 1.25 A

Heater Power Output: 24V, 50/60 Hz, 5A

### Mechanical:

Dimensions (without enclosure):

7" W x 9.5" H x 5.5" D

Weight: 8lbs.

### Environmental:

Operating Temperature: -40 deg F (-40 deg C) to 167 deg F (75 deg C)

Humidity: 5% to 95%, non-condensing

### Data:

Joystick: RS-422, Rx+, Rx-, Tx+, Tx-

Laptop: RS-232, Tx, Rx, Gnd

Remote Control: RS-422, Rx+, Rx-, Tx+, Tx-

### Video:

Camera Input: BNC, 75 Ohms

Monitor Output: BNC, 75 Ohms

## Compatible Systems

Treehaven Technologies

RVS3000 Camera Controller

Honeywell Video Systems

HD6 Series High Speed Domes

Diamond Electronics

Diamond Legacy Cameras

JPD101 Joystick Controller

Pelco

Vicon

Bosch Biphas

## Treehaven Technologies, Inc

24 Village Pointe Drive

Powell, OH 43065-8510

Phone: 614.791.8843

FAX: 614.789.0252

[www.treehavenvision.com](http://www.treehavenvision.com)

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Rev C



# AXIS 241Q/S Video Server

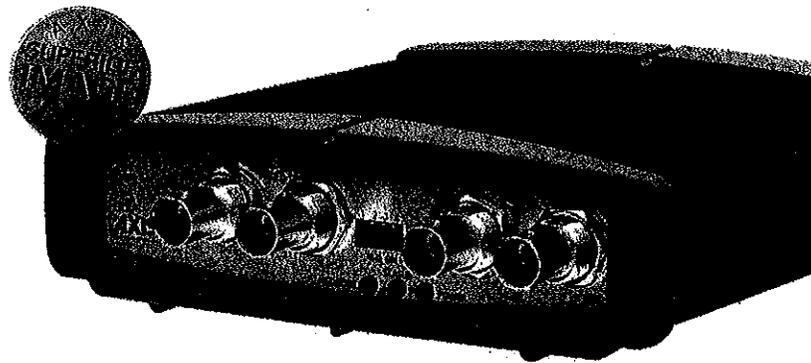
*Full-featured, digital benefits  
for analog surveillance systems*

The AXIS 241 Q/S Video Server offers a generic stream of video at full frame rate on each channel from remote analog video sources. This high performance video server transforms traditional analog video into high-quality digital images and provides real time video from all cameras simultaneously.

The AXIS 241 is a video server designed for professional IP-Surveillance systems where specific camera feature needs are required. This high performance video server is ideal as an integrated part of a large system. Network utilization is optimized with built-in video motion detection and a complete set of security features such as HTTPS and IP address filtering adds value for the demanding customer.

Connecting directly to an Ethernet network the AXIS 241Q accommodates up to four analog video streams; whereas, the AXIS 241S accommodates a single video input stream – plus a video output for the connection of an analog monitor.

Transforming traditional analog video into high-quality digital images, Axis video servers represent a cost effective single box solution for transmitting digital video over intranet networks, or the Internet.



- High quality video at 25/30 frames per second per channel
- 10 different resolutions up to 768 x 576, and five different compression levels
- Built-in video motion detection
- Support for PTZ units
- Advanced event handling



## General

- Motion JPEG based video server with 1 or 4 channels
- Built-in web server
- Supports full frame rate on all channels simultaneously

## System Requirements

The following specification applies to the use of browser based viewing. If using application software, please refer to specifications provided with the software.

- Operating Systems: Most Windows versions (such as Win98, Win2000 and XP), Linux\*, Unix\*, Mac OS\*, Mac OS X\*
- Browsers: Most versions of Microsoft Explorer, Mozilla, Netscape\*, Opera\*
- PC Hardware: Meeting the specification for selected operating system and browser

\* Limitations in functionality

## Hardware & System

- AXIS ETRAX 100LX 32bit RISC CPU
- AXIS ARTPEC-2 video compression chip + 8/16MB RAM (241S/241Q)
- Linux 2.4 kernel
- Watch Dog functionality<sup>1</sup>
- 32/64 MB RAM (241S/241Q)
- 8 MB Flash

## Connections

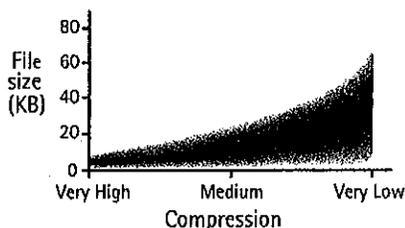
- Network: 10Base-T/100Base-TX Ethernet networks (RJ-45)
- Serial communication: RS-232 (DB-9) & RS-485 (terminal block)
- I/O: 4 alarm inputs + 4 outputs (terminal block)
- Video: Analogue composite video input/s (BNC), 241S supports Y/C video
- Power: 9 VDC / 9 W - external Power Supply, included 2
- Alternative input voltage 7-20V DC, min 7W

1) Can be linked to alarm output for external trig.

## Video

- Color & Black/White
- Frame rate: 25/30 frames per second per channel
- Video compression: Motion JPEG
- Supports 10 different resolutions in both PAL and NTSC
- Max resolution: 768 x 576
- 5 video compression levels

The file size of a JPEG image depends on factors such as selected resolution, compression level and the actual content of the image.



## Security

- Multi user level password protection for restricted camera access
- IP address filtering
- HTTPS Encryption

## Functions

- Built-in Video Motion Detection
- Scheduled and triggered event functionality with alarm notification via e-mail, TCP, HTTP and upload of images via e-mail, FTP & HTTP
- 9MB pre/post alarm memory/channel
- Image customization with text, time/date and image overlay
- Flash memory provide ability to upload embedded applications and PTZ drivers
- HTTP/TCP access to serial port peripherals
- Up to 20 simultaneous users

## Firmware updates

- Flash memory allows firmware updates over the network using HTTP or FTP over TCP/IP. Firmware upgrades are available from [www.axis.com](http://www.axis.com).

## Customer Applications

- Application Integration Interfaces
  - AXIS HTTP API
  - AXIS Media Control development tool

## Operating Conditions

- Temp: 5-50 °C (41-122 °F)
- Humidity: 20-80% RHG

## Dimensions and Weight

- Height: 42 mm (1.7")
- Width: 140 mm (5.5")
- Depth: 155 mm (6.1")
- Weight: 540 g (1.2 pounds) (excl. power supply)

## Approvals

- EMC:
  - CE Compliant according to: EN55022/1998 Class B, EN55024/1998, EN61000-3-2:2000, EN61000-3-3:2000
  - FCC Subpart B, Class A, B
  - VCCI Class B
  - C-tick AS/NZS 3548
- Safety: EN60950, UL, CSA (Power supply only)

## Included Accessories

- Power Supply
- Mounting brackets
- Connector kit
- User Manual

## Available Accessories (not incl.)

- AXIS Camera Explorer - a software that provides an easy way to select and view multiple cameras, save snapshots etc
- AXIS Camera Recorder - a professional way to monitor and record up to 16 cameras. Review and export recorded material without interrupting an ongoing recording
- Axis 802.11b Wireless Access Point and 802.11b Wireless Device Point
- S-VHS connector cable<sup>2</sup>

2) Only AXIS 241S



AXIS 241S

[www.axis.com](http://www.axis.com)

**CITY OF ST LOUIS, MISSOURI**  
**INSTRUCTION TO BIDDERS (for request for quotations - RFQs)**

VENDORS SHOULD CAREFULLY READ THE FOLLOWING INSTRUCTIONS AND TERMS AND CONDITIONS, BEFORE SUBMITTING QUOTATION. **CAUTION: THIS IS NOT AN ORDER**

- Quotations will only be accepted on this form which must be returned in a **sealed envelope**. The upper left corner of the envelope must include the following information: Vendor Name, Quotation Number and the Due By Date. This information is also required on any mail delivered next day or overnight.
- Quotations should be typewritten or in ink. Altered or erased unit price(s) must be initialed. One copy of Quotation Sheet must be submitted, please retain a copy for your files.
- The Supply Commissioner reserves the right to reject any or all bids.
- The Supply Commissioner reserves the right to make awards on an item basis or on a total basis.
- Bidders must quote Unit Price(s) and Extension on each item. When an error appears on an extension, the Unit Price(s) will govern.
- When Quotation Sheet requests item(s) by brand name and your quote is for an alternate brand – show brand name(s) with model number(s) and attach full specifications.
- When Quotation Sheet has only a general description(s) of item(s) required – show brand name with model number(s) and attach full specifications.
- Suppliers shall not offer more than one bid on each item. Two or more quotations on the same item may cause a rejection of the bid. Suppliers must determine which one of their many styles or types fully meet the specification.
- Freight or delivery charges must be included in quote, or shown separately on quote, so bid can be evaluated.
- **Bids must arrive no later than NOON** on the date stated or will be rejected. Faxed or E-mailed bids are not accepted unless specifically requested.
- Bids will be publicly opened on the date specified beginning at NOON.
- Prices quoted will be considered firm.
- Bids having an acceptance limit of less than 30 days after opening date may be rejected.
- Time of proposed delivery must be stated in definite terms.
- Failure of Bidder to understand the item(s) requested or any part of the specifications will not be a valid reason for bidding on the wrong item(s). Any questions regarding description of item(s) requested should be cleared with the Buyer listed in the bid document.
- **Samples** when requested must be delivered before actual time of bid opening with each sample plainly tagged showing the name of Bidder, Quotation Number, Brand Name and lot number or quality. Submission of samples does not relieve bidder from meeting the specifications as outlined in the Bid Documents unless the bidder specifically states they are bidding on an alternate.
- All samples are to be submitted to the address listed below unless otherwise stated in Bid Documents.
- Deliveries must be accompanied by a packing slip or invoice, listing the Department, Quotation Number, and the exact quantities of each item included in the shipment.
- ONLY U.S.P., N.F., OR N.N.D. DRUGS ARE ACCEPTABLE. ALL DRUGS MUST COME IN MANUFACTURER'S ORIGINAL PACKAGES, PROPERLY SEALED.
- In the event the successful bidder fails to make delivery of any item or items that meet the conditions and requirements as outlined in this proposal within 7 days of time stated by bidder on face of this quotation sheet, the City reserves the right to purchase said item or items on the "OPEN MARKET" and charge any costs above the BID PRICE to the bidder.
- The laws of the State of Missouri provide that the City of St. Louis pay no State Sales or Use Tax or Federal Excise Taxes and these taxes should be excluded from your bid price. Federal Excise Tax Exemption Certificates will be furnished to successful bidder.
- Suppliers shall save harmless the City of St. Louis from the payment of any and all claims or demands arising out of any infringement, alleged infringement, or use of any patent or patented device, article, system, arrangement, material or process used by him in the execution of this contract.
- Supply Division hours are Monday through Friday – 8:00 A.M. to 5:00 P.M. Main Number: 314-622-4580.

**All bids must be submitted in a SEALED ENVELOPE and mailed to:**

SUPPLY COMMISSIONER  
1200 MARKET ST RM 324  
ST LOUIS MO 63103-2842



**CITY OF ST. LOUIS  
DEPARTMENT OF FINANCE  
OFFICE OF THE SUPPLY COMMISSIONER**

**FREDDIE L. DUNLAP**  
SUPPLY COMMISSIONER

**FRANCIS G. SLAY**  
MAYOR

CITY HALL  
1200 MARKET ST., ROOM 324  
ST. LOUIS, MO. 63103-2819  
(T): (314) 622-4580  
(F): (314) 622-4141

**ATTENTION**

**Please carefully review all information requested in this bid package. Failure to submit required samples, literature, unit pricing, extended pricing, and any other requested information may result in disqualification of your bid or any portion of your bid.**

- Two or more bids submitted for one item (item rejected).
- Signature missing on bid or **any** required form.
- Buy American Form not completed or returned (may be rejected).
- M/WBE Form not completed or returned (may be rejected).
- Altered or erased unit prices (must be initialed).
- Faxed bid, unless specifically requested (will be rejected).
- Failure to submit required Bond (for Contracts only) by the date indicated.

The reasons indicated above may disqualify your bid. If you have any questions, call the buyer indicated on the RFQ.

This form must be returned with your bid. I certify that I have read and understand the information above.

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Manual Signature

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Date

# ST. LOUIS DOMESTIC PRODUCTS PROCUREMENT ACT

The City of St. Louis has enacted an ordinance relating to the purchase of domestic products by City government, with penalty provisions. The ordinance amends Section 5.58.010 Revised Code of the City of St. Louis, 1986, as amended by adding thereto new subsections dealing with the requirement that the Supply Commissioner or his designee give preference to goods or commodities manufactured in the United States of America, stating exceptions to said policy. Sections one through six are reprinted below.

**Section One.** Section 5.58.010 Revised Code of the City of St. Louis is hereby amended by adding the following language: Each solicitation to bid and the method of describing the items to be bid upon of any goods or commodities sought to be purchased by the Office of Supply Commissioner, and any contract entered into by and on behalf of the City of St. Louis and executed by the Mayor and/or the Comptroller of the City of St. Louis wherein the construction, alteration, repair or maintenance of any public works is the subject of the contract so executed, shall contain a provision that the goods or commodities furnished or used in the furtherance of said project by any contractor or subcontractor, manufacturer or supplier as the case may be, shall be manufactured, assembled or produced in the United States, and said requirement as defined above shall be stated in said bid.

**Section Two.** The provision of Section One of this Ordinance shall not apply in the following instances:

- (i) Where the item purchased as the contract entered into for repairs or renovation is less than One Thousand (\$1,000.00) Dollars.
- (ii) Where no line of a particular good or product is manufactured, assembled or produced in the United States.
- (iii) Where the acquisition of United States manufactured or produced goods would increase the cost by more than (10%) percent.

**Section Three.** The certificate required by this section shall specify the nature of the contract, the product being purchased or leased, the names and addresses of the United States manufacturers and producers contracted by the Commissioner or the project architect or engineer, and an indication that such manufacturers or producers could not supply sufficient quantities or that the price of the products would increase the cost of the contract by more than ten percent.

**Section Four.** No public agency may authorize, provide for, or make any payment to any vendor or contractor upon any contract in violation of section 2 of this act. Prior to the awarding of the bid and before any public agency authorizes, provides, or makes payment to any vendor or contractor upon any contract to which section 2 or 6 of this act applies, the vendor or contractor shall provide proof of compliance with section 2, and, if applicable, section 6 of this act. Any vendor or contractor who knowingly misrepresents any material fact to the public agency concerning the origin of any manufactured goods or commodities shall be guilty of a Class A misdemeanor.

**Section Five.** Sections 1 to 6 of this act shall apply only to contracts and subcontracts entered into after the effective date of this act, and shall not limit the use or supply of manufactured goods or commodities purchased or leased prior to the effective date of this act.

**Section Six.** Nothing in sections 1 or 6 of this act is intended to contravene any existing treaty, law, agreement, or regulation of the United States. All contracts under section 1 or 6 of this act shall be entered into in accordance with existing treaty, law, agreement, or regulation of the United States including all treaties entered into between foreign countries and the United States regarding export-import restrictions and international trade and shall not be in violation of sections 1 to 6 of this act to the extent of such accordance.

## Interpretations and Guidelines

**Section One:** "Shall be manufactured" is interpreted to mean to make or process a raw material into a finished product or to turn-out in a mechanical manner. "Assembled" is interpreted to mean to fit or to join together the parts, gather, or to congregate in a manufacturing environment. "Produced" is interpreted to mean to create by manual or physical effort, to make or yield to customary product or products.

**Section Two (i)** This is interpreted to mean less than one thousand dollars in aggregate (total purchases).

**(iii)** When applying this subsection, multiply the cost of the foreign product by ten percent and compare the cost to the American product. If the American product cost is less than the sum of the cost of the foreign product plus ten percent, the award will be made to the vendor bidding the American product. The price paid by the City of St. Louis will be the actual price bid by the winning bidder.

**Section Three:** "Could not supply sufficient quantities" is interpreted to mean in order to meet the using agency's delivery schedule and in quantity specified.

**Section Four:** The vendor's authorized representative must complete a self-certification form, as required by the existing procedures previously indicated. These certification forms will be used to determine whether the manufacturer or producers could, or could not supply sufficient quantities, or the cost of the products would increase the contract by more than ten percent.

Prior to the City awarding the bid, the vendor shall provide certification that the product being bid is manufactured, assembled or produced in the United States or there is an existing treaty, law or regulation whereby the product bid shall be treated the same as product manufactured, assembled or produced in the United States. The procuring agency shall accept the self certification in order to apply the percentage differential that is applicable under this law. Failure to provide certification shall cause the city to presume that such product is not American made and preference shall not be considered for that product.

## CERTIFICATION FORM ST. LOUIS DOMESTIC PRODUCTS PROCUREMENT ACT (BUY AMERICAN)

Bidders are advised of legislation enacted by the City of St. Louis which requires all manufactured goods or commodities used or supplied in the performance of this contract or any subcontract to be manufactured, assembled or produced in the United States, unless obtaining American made products would increase the cost of this contract by more than ten percent.

Section Four requires the vendor or contractor to certify his compliance with this legislation and if applicable, Section Six, if preference is claimed.

This legislation does not apply if the total bid is less than one thousand dollars (\$1,000.00).

Bids received will be evaluated on the basis of this legislation. Certificates of compliance must be completed and returned to be considered for preference. Failure to provide certification shall cause the City to presume that such product is not American made.

**CERTIFICATION**

If **all** the specified goods or products are manufactured, assembled or produced in the United States, check box at left and complete certification at the bottom of this form.

**SECTION SIX CERTIFICATION**

If any or all of the specified goods or products are manufactured, assembled or produced in a country other than the "United States", and exemption is requested because such product is Fair Trade Product: (a) list the country, other than the United States, where each good or product you propose to furnish is manufactured, assembled or produced; (b) check box at left of this paragraph and list corresponding commodities and (c) complete Section Six Documentation portion below.

**Item Number(s)**

**Location Where Item Manufactured, Assembled or Produced**


**SECTION SIX DOCUMENTATION**

The specified goods or products are treated as manufactured, assembled or produced in the United States under an existing treaty, law, agreement or regulation of the United States regarding export-import restrictions and international trade. List item Number(s) and Treaties covering item below.

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**DEFINITIONS**

- MANUFACTURED** - to make or process a raw material into a finished product; create, or to produce or to turn-out in a mechanical manner.
- ASSEMBLED** - to fit or join together the parts in a manufacturing environment.
- PRODUCED** - create by manual or physical effort, to make or yield the customary product or products.

**MUST BE COMPLETED AND SIGNED**

I hereby certify that the above information is true and correct and further certify that this statement complies with all provisions of Section 5.58.010 Revised Code of the City of St. Louis, 1985, as amended.

**FIRM NAME:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

**CITY:** \_\_\_\_\_ **STATE:** \_\_\_\_\_ **ZIP:** \_\_\_\_\_

**BY:** \_\_\_\_\_

(SIGNATURE and TITLE)

**CITY OF ST. LOUIS/SUPPLY DIVISION  
MINORITY/WOMEN BUSINESS ENTERPRISES FORM  
(M/WBE FORM)**

**A. Mayor's Executive Order #28, Section Six - Supply Contracts**

1. The goal of the City of St. Louis is that 25% of the value of all contracts let and purchases made by the Supply Commissioner shall be let or made with Minority Business Enterprises (MBEs) and that 5% of the value of all contracts let and purchases made by the Supply Commissioner shall be let or made with Women's Business Enterprises (WBEs).
2. All contracts let by the Supply Division for the purchase or lease of materials, equipment, supplies, commodities or services, the estimated cost of which exceeds \$500, shall be subject to this goal.
3. The methods by which the Supply Commissioner shall pursue this goal shall include but not be limited to the following:
  - a. The Supply Commissioner shall solicit bids from minority business enterprises and women's business enterprises certified to supply the required materials, equipment, supplies or services;
  - b. St. Louis Airport Authority (SLAA) shall provide the Supply Commissioner with a list of minority business enterprises and women's business enterprises qualified to provide each of those commodities that the Supply Commissioner indicates are required by the City;
  - c. The Supply Commissioner shall notify SLAA prior to solicitation of bids whenever no such qualified businesses are available;
  - d. SLAA shall attempt to identify such qualified businesses, and if successful, shall notify the Supply Commissioner of their availability; and
  - e. The Supply Commissioner shall provide such minority business enterprises and women's business enterprises every practical opportunity to submit bids.
4. Joint ventures or mentor-protégé relationships between prime contractors and subcontractors with local MBE and WBE firms are encouraged.
5. Participation of MBE and WBE firms located outside the St. Louis Metropolitan Statistical Area (SMSA) shall not count toward the goals established in this order.

**B. SUPPLY DIVISION POLICY**

It is the policy of the Supply Division that all bids/contracts awarded adhere to the Mayor's Executive Order #28. All vendors are encouraged to comply with this policy and all other provisions of Executive Order #28. A copy of Executive Order #28 is available upon request. Each Vendor/Contractor (bidder) must complete, sign and return this M/WBE Form. Failure to complete, sign and return the M/WBE Form will result in the bid being declared non responsive and your bid may be eliminated.

**C. OBLIGATION**

The bidder agrees to make a good faith effort to ensure that M/WBE businesses have an opportunity to participate in the performance of contracts or subcontracts financed in whole or in part with City funds. The bidder will take all necessary and reasonable steps to ensure that said businesses have an opportunity to compete for and perform under this bid/contract. The bidder shall not discriminate on the basis of race, color, national origin or sex in the award and performance of bids/contracts. The Directory of Disadvantaged, Minority and Women Owned Business Enterprises certified by the City of St. Louis, can be viewed at [www.mwdbe.org](http://www.mwdbe.org).

**CITY OF ST. LOUIS/SUPPLY DIVISION  
 MINORITY/WOMEN BUSINESS ENTERPRISES FORM  
 (M/WBE FORM)**

**D. BID/CONTRACT IDENTIFICATION**

Bid #: \_\_\_\_\_ or Contract Name: \_\_\_\_\_

Opening Date: \_\_\_\_\_ Your Bid Total: \$ \_\_\_\_\_

If your bid is \$500 or higher, please complete Section 'E'. We are NOT requesting information on how your company currently supports M/WBE suppliers. We want to know if there are opportunities you might consider to work with M/WBE suppliers for THIS SPECIFIC bid/contract.

**E. ASSURANCE                      MBE/WBE Goal: 25% MBE and 5% WBE (Minimum Participation)**

I, acting in my capacity as an officer of the undersigned bidder(s) if a joint venture, hereby assure the City of St. Louis that on this bid/contract my company will: (CHECK ONLY ONE)

Meet or exceed the M/WBE goal with: \_\_\_\_\_ % MBE and \_\_\_\_\_ % WBE Participation

Proposed MBE Vendor Name: \_\_\_\_\_ Amount \$ \_\_\_\_\_

Item or materials to be supplied by MBE Vendor: \_\_\_\_\_

Proposed WBE Vendor Name: \_\_\_\_\_ Amount\$ \_\_\_\_\_

Item or materials to be supplied by WBE Vendor: \_\_\_\_\_

Fail to meet the M/WBE goal, but made a good faith effort to meet the goals as follows:  
 \_\_\_\_\_ % MBE and \_\_\_\_\_ % WBE Participation (Enter Proposed Vendor information above.)

Not meet the M/WBE goal for the following reasons(s):(Check All That Apply)

<input type="checkbox"/>	Our Company is an MBE certified by the State of:
<input type="checkbox"/>	Our Company is a WBE certified by the State of:
<input type="checkbox"/>	We have contacted suppliers listed in the SLAA Directory but have received no reply
<input type="checkbox"/>	There are no subcontracting opportunities for this bid/contract
<input type="checkbox"/>	We are a Dealer and the order will be drop-shipped from the manufacturer to the user
<input type="checkbox"/>	We are the manufacturer and the order will be drop-shipped from the factory to the user
<input type="checkbox"/>	A letter of explanation is attached
<input type="checkbox"/>	Other reason: _____ _____

FIRM NAME: \_\_\_\_\_ FEDERAL ID NUMBER: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_ FAX NUMBER: \_\_\_\_\_

PRINTED NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

TITLE: \_\_\_\_\_ E-MAIL: \_\_\_\_\_