



500 West Big Beaver
Troy, MI 48084
troymi.gov


CITY COUNCIL AGENDA ITEM

Date: March 4, 2020

To: Mark F. Miller, City Manager

From: Robert J. Bruner, Assistant City Manager
Lisa Burnham, Accounting Manager
Kurt Bovensiepe, Public Works Director
Paul Trosper, Operations Manager Water & Sewer Division
MaryBeth Murz, Purchasing Manager

Subject: Standard Purchasing Resolution 4 – MiDeal Purchasing Cooperative Contract – Sewer Jet Camera



History

- The City of Troy Water and Sewer Division is responsible for the regular cleaning of sewers for various obstructions.
- When an obstruction is encountered, it is difficult to determine the cause of the situation.
- Deploying the pipeline televising unit is not always feasible due to the time sensitive nature of clearing blockages.
- The Envirosight Jetscan 2.0 can be deployed within minutes of arriving on site and aid in determining the cause of an obstruction.

Purchasing

- *Envirosight of Randolph, N.J.* is the manufacturer of the Jetscan 2.0 camera.
- *Bell Equipment Company of Lake Orion, MI* is the Envirosight Distributor for the State of Michigan.
- *Bell Equipment Company* is a participant and the awarded bidder for the MiDeal Cooperative Purchasing Program; Contract #071B7700091, of which the required Jetscan 2.0 camera can be purchased.
- MiDEAL extended purchasing contracts meet all State of Michigan requirements for competitive bidding including fair and open competition, public advertising, and availability for review.
- Therefore, it is in the best interest of the City to waive the bid process and utilize the State of Michigan's MiDeal Purchasing Cooperative Program.

Financial

Funds are budgeted and available in the Sewer Capital Fund for the 2020 Fiscal Year. Expenditures will be charged to 590.527.535.7978.010.

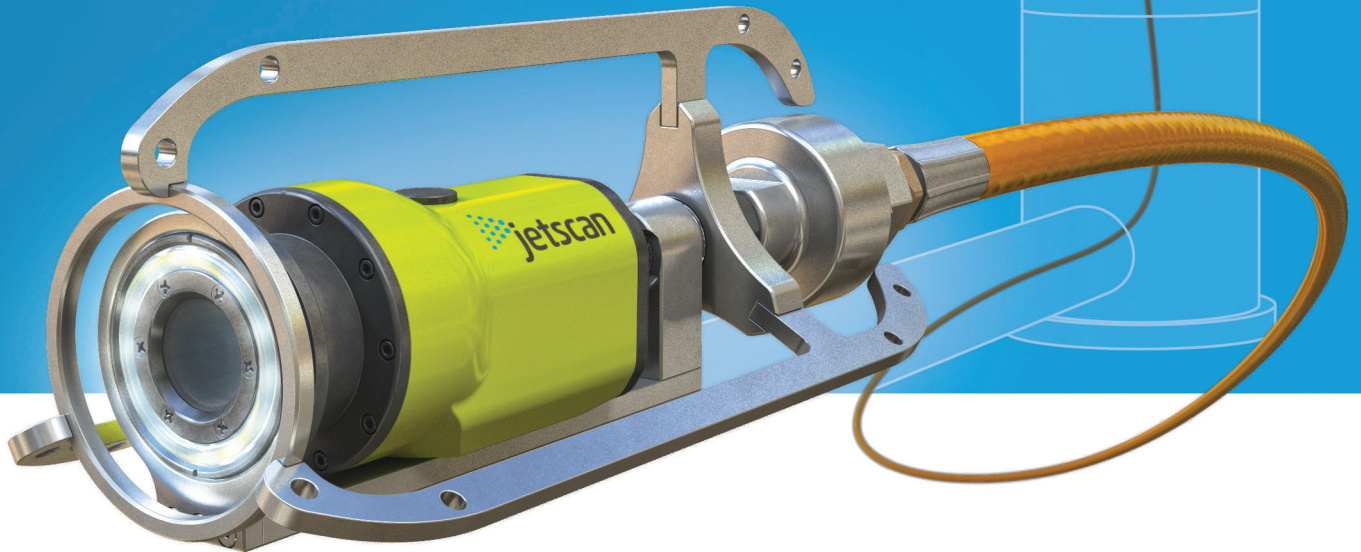
Recommendation

In the best interest of the City, City management recommends waiving the bid process and awarding a contract to *Bell Equipment Company of Lake Orion, MI*, to purchase one (1) Envirosight Jetscan 2.0 camera for the Public Works Water & Sewer Division for a total estimated cost of \$12,682.43 as per the State of Michigan MiDEAL Contract #071B7700091.



HD

WiFi



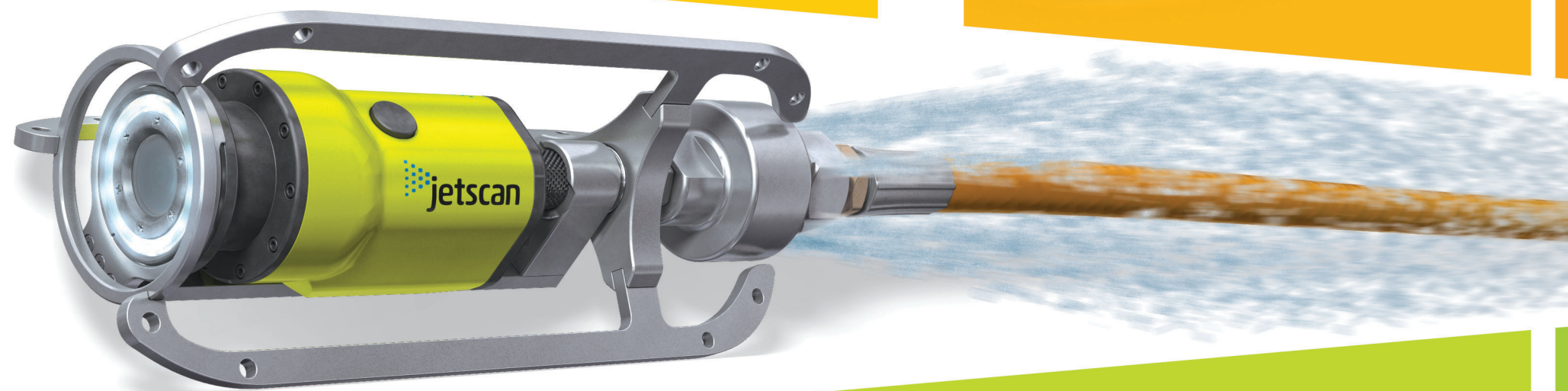
your **jetter truck**
is now a **camera truck**

Envirosight

jetscan

never jet blind

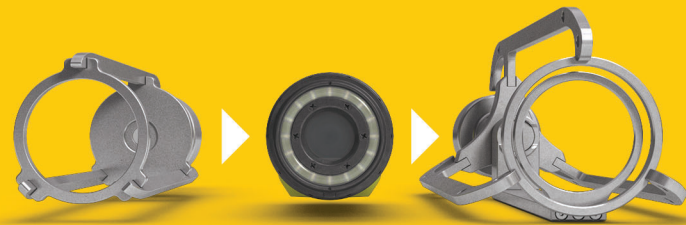
Jetscan is the quick, easy way to see what you're jetting. This wireless HD video nozzle is affordable enough to put on every cleaning truck, yet quickly captures valuable footage of pipe condition for review moments later on a tablet.



quick-change sleds



Tool-free camera removal means you can swap skirts in seconds to handle different needs.



wireless charging



No plugs or removable batteries—just slide Jetscan's charger pad into position overnight for a full day's charge.



multi-diameter



Jetscan travels through pipes smaller than 6" diameter to capture high-definition video footage.

From under

6"

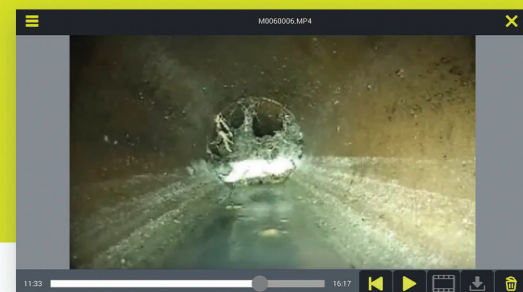
up to 24" dia.



streaming video



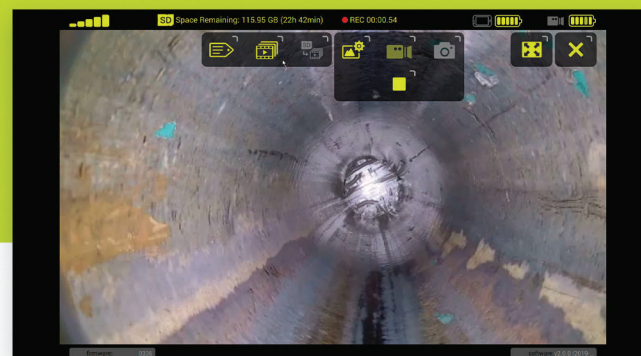
Stream video wirelessly to any tablet as soon as you retrieve the Jetscan from a manhole.



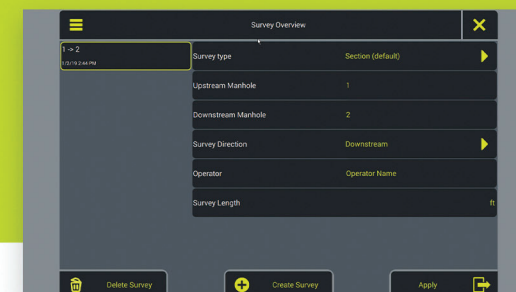
tablet interface



Easily import high-resolution video footage from the Jetscan wirelessly or via USB connection.



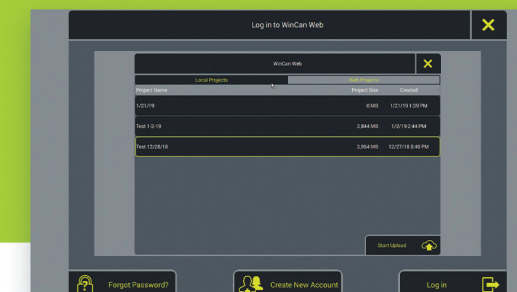
Annotate footage with details like manhole numbers, survey direction, distance and operator. Combine data, video and still images into complete surveys.



cloud-enabled



Upload video to WinCan Web for secure, effortless sharing and storage.



confirm cleaning

See if cleaning was successful using before/after footage.



assess condition

Locate offsets, collapses, infiltration and more—without a crawler.



avoid hazards

Find collapses, protruding taps, root balls and anything else that could trap a nozzle.



choose wisely

Pick your nozzle based on presence of gravel, grease, mud, roots or sludge.



save money

View pipe instantly and independently without diverting an inspection crew.



stay safe

Confirm absence of gas, electric and water cross-bores before root cutting.

specifications

camera

imager type . . . CMOS (w/ image stabilization, low-light capability)
 field of view 124 deg (diagonal)
 resolution 1080p and 1400p (switchable)
 video format MP4
 connections Wi-Fi, USB tether
 wireless compliance FA-RL 2014/53/EU
 illumination 12 LEDs, ~1000 lumens cumulative
 construction stainless, aluminum, polypropylene
 weight 2.5 lb (1.13 kg)
 dimensions (dia. × length) 3" × 7.3" (76 × 186 mm)
 environmental / submersion ratings IP67 / 20' (6.1 m)
 battery type / life / charge time lithium ion / ~8 hr / ~8 hr

sled

small large self-leveling

pipe dia. range . . . <6"-8" (<150-200 mm) . . 8-24" (200-600 mm)[†]
 dimensions (dia. × length) 4.5" dia. × 12.3" 5.9" dia. × 12.6"
 (115 mm dia. × 313 mm) (150 mm dia. × 320 mm)
 sled construction stainless stainless
 weight 1.5 lb (0.7 kg) 2.6 lb (1.8 kg)
 hose connection 1" NPTF 1" NPTF
 thrust/flow see chart below see chart below

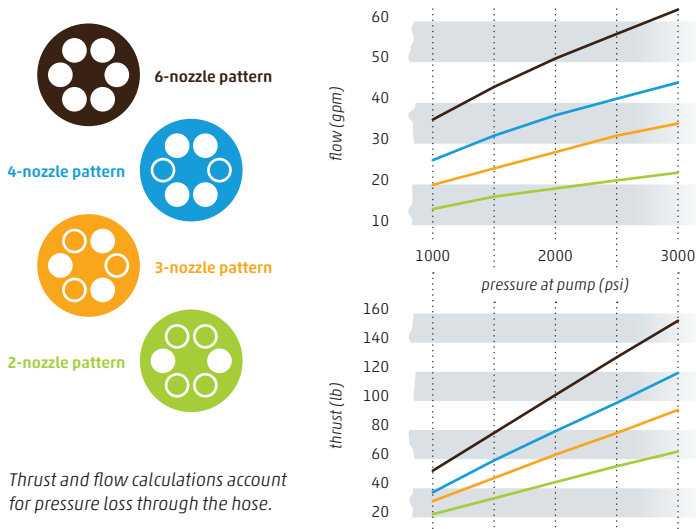
app

compatibility iOS, Android, Windows

kit contents[‡]

Jetscan camera • self-leveling skid for 8" pipe
 wireless charger • swivel connector with nozzles

[†] diameters larger than 12" (300 mm) require wheel attachments. [‡] tablet not included



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Patents pending.

EnviroSight

(866) 936-8476 • www.envirosight.com