



500 West Big Beaver
Troy, MI 48084
troymi.gov

CITY COUNCIL AGENDA ITEM



Date: September 22, 2025

To: Frank Nastasi, City Manager

From: Robert J. Bruner, Deputy City Manager
Chris Wilson, Assistant City Manager
Rob Maleszyk, Chief Financial Officer
Kyle Vieth, Controller
Kurt Bovensiep, Public Works Director
Dennis Trantham, Deputy Public Works Director
Emily Frontera, Purchasing Manager

Subject: Standard Purchasing Resolution 5: Approval to Expend Budgeted Funds and Bid Waiver – Tiny Mobile Robot (Introduced by Dennis Trantham, Deputy Public Works Director)

History

The Grounds Division of the Department of Public Works maintains 39 athletic fields over the course of a 36-week playing season, including 14 baseball/softball fields, 23 soccer fields, and 2 practice football fields. Each of these fields requires weekly line painting and setup to ensure safety and compliance with league standards.

This work is highly labor-intensive, particularly during seasonal changeovers when fields must be re-measured, and new layouts established based on the usage. In addition to initial seasonal setup, crews must repaint fields weekly or bi-weekly, depending on weather and usage. Rainouts, reschedules, and heavy play can necessitate unplanned repainting, adding to the workload.

Demand is especially high during overlapping seasons, when multiple sports compete for field space and a quick turnaround is required. In addition to athletic field preparation, the Grounds Division also provides temporary striping of parking areas to support community events such as the Lloyd A. Stage Nature Center, Run for Nature as well as other special event gatherings. These added responsibilities further increase the workload and require flexibility from staff. Overall, athletic field setup, parking lot striping, and ongoing maintenance represent some of the most resource-intensive recurring duties of the Grounds Division, requiring careful planning and significant staff time to meet community expectations.

Looking ahead, there will also be an opportunity for other divisions within the Department of Public Works to utilize the Tiny Mobile Robot for tasks such as striping parking lots and other paved areas. This shared use will extend the value of the investment across multiple operations, improving efficiency and reducing manual labor needs throughout the department.



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Purchasing

The Tiny Mobile Robot represents a unique, sole-source solution due to a combination of features and advantages not available from other manufacturers. Unlike competing products, the Tiny Mobile Robot requires no base stations; it operates through subscription access to local RTK towers. It is highly portable, weighing nearly half as much as competitors and compact enough to fit in most vehicles. The accompanying app is user-friendly and intuitive, reducing training time and improving ease of use. Greater ground clearance allows the machine to operate in various field conditions, and it is compatible with any brand of athletic field paint, leading to cost savings. Connectivity is maintained at any distance, including low paint and job alerts, ensuring reliability. Tiny Mobile Robot is able to provide remote analytics and real-time support, allowing technicians to access the robot and/or tablet directly, resolving 90% of issues remotely. If on-site support is required, there **is** no additional service fee.

It is in the best interest of the City to waive the bid process and purchase the Tiny Line Marker Pro X with accessories, annual subscription and five-year extended warranty from the sole source provider, *TinyMobileRobots US LLC*.

Financial

Funds are available in the Park Development Capital Fund in the unused portions of project numbers 2025C0039 and 2025C0041 for the 2026 fiscal year. Expenditures will be charged to account number 401.770.771.974.130.

Recommendation

City Management recommends, in the best interest of the City, waiving the bid process and awarding a contract to expend budgeted funds for the purchase of a Tiny Line Marker Pro X with accessories, annual subscription and a five-year extended warranty to the sole source provider, *TinyMobileRobots US LLC* of *Kennesaw, GA* for an estimated cost of \$37,883 as detailed in the provided proposal; not to exceed budgetary limitations.

TinyMobileRobots®

CITY OF TROY

#20250911-174208034

Issued

September 11, 2025

Expires

October 11, 2025

TinyMobileRobots

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Prepared for

City of Troy

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Deputy Public Works Director
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Products & Services	Item #	Quantity	Unit price	Price
TLM Pro X	100-1151-21-USSP	1	\$37,750.00	\$37,750.00
1 Year Subscription RTK, Cellular, Live Support, Cloud Software Updates, Back-Up & Security	120-1027-01-USSP	1	\$1,990.00	\$1,990.00
Installation Robot Configuration & Training Fee	120-1036-01-USSP	1	\$1,900.00	\$1,900.00
5 Years Extended Warranty	120-1044-01-USSP	1	\$5,325.00	\$5,325.00
Extra Battery 36V-17400-3pol with	420-1001-01-	1	\$1,380.00	\$1,380.00

Products & Services	Item #	Quantity	Unit price	Price
Handle	USSP			
Pro X Maintenance Kit	220-1047-01	1	\$740.00	\$740.00
Pro X 5 Gallon Paint Canister - 2 Pack	220-1054-01-	2	\$399.00	\$798.00
Two Pro X 5 Gallon Paint Canisters	USSP			
One-time subtotal				\$49,883.00
MI Discount				(\$12,000.00)
Total				\$37,883.00
Total contract value				\$37,883.00

Comments

Shipping & Billing Information

Please notify Richard Jones if any Shipping or Billing information changes are needed

Tax Exempt Status: Tax Exempt - Attach Form to Signed Quote

Public or Private: Public

Shipping Information

Contact Name:

Contact Phone Number:

Contact Email:

Shipping Address:

Billing Information

Contact Name:

Contact Phone Number:

Contact Email:

Billing Address:

Warranty

To view TinyMobileRobots' Warranty Policy, please refer to [this link](#).

Terms & Conditions

To view TinyMobileRobots' Terms & Conditions, please refer to [this link](#).

End User License Agreement

To view TinyMobileRobots' End User License Agreement, please refer to [this link](#).

W-9

To view TinyMobileRobots' W-9, please refer to [this link](#).

Return Guarantee

To view TinyMobileRobots' Return Guarantee, please refer to [this link](#).

Signature

If you have a Purchase Order (PO), please submit it through the form linked below.

Submit PO

If you have a Tax Exemption Form, please submit it through the form linked below.

Submit Tax Exemption Form

Signature

Date

Printed name