

GRIDSMART GS3 PROCESSORS

REQUEST FOR CORRIDOR FUNDS

FROM ENGINEERING DEPARTMENT & DPW

STAFF REPORT

October 8, 2025

PURPOSE: To upgrade the existing GridSmart traffic signal system by installing updated GS3 processors that will provide the tools necessary to keep pace with industry standards and future transportation needs.

ATTACHMENTS:

- A. Memo from Elvis Dhima, P.E., Director of Development Services & Jay Twardosky, Director of Public Works, to Tim Malley, Chairman of the Planning Board & Brooke Dubowik, Town Planner, dated September 29, 2025 – Attachment “A”
- B. Quote# 250930 from New England Traffic Solutions, dated September 30, 2025 – Attachment “B”

COMMENTS:

Approximately ten years ago, the Town introduced a new traffic signal system that included GridSmart cameras and processors. This investment resulted in significant improvements to daily traffic operations. The traffic signal system is now due for an upgrade with the next generation installation of processors. The Town is looking to upgrade ten (10) GRIDSMART GS2 Processors with ten (10) new GRIDSMART GS3 Processors

DRAFT MOTIONS

APPROVE funding of the upgrade with corridor account:

I move to recommend to the Board of Selectmen the expenditure of up to \$80,214.00 for the purchase of next-generation traffic equipment to enhance traffic operations using Corridor Account# 2000-2070-000-701 (Zone 1 Traffic Improvements), and 2000-2070-000-702 (Zone 2 Traffic Improvements), as recommended by the Director of Development Services and Director of Public Works.

Motion by: _____ Second: _____ Carried/Failed: _____



TOWN OF HUDSON

Engineering Department

12 School Street
Hudson, New Hampshire 03051

Elvis Dhima, P.E., Town Engineer
edhima@hudsonnh.gov · Tel: 603-886-6008 · Fax: 603-816-1291

To: Tim Malley, Chairman of the Planning Board
Brooke Dubowik, Town Planner

From: Elvis Dhima, P.E., Director of Development Services
Jayson Twardosky, Director of Public Works

Date: September 29, 2025

A handwritten signature in black ink, appearing to be "Edhima", is written over the "From:" line of the letter.

RE: Request for Approval of Funds from Corridor Accounts

Background

Approximately ten years ago, the Town of Hudson introduced new equipment, hardware, and software to its traffic signal system, including GridSmart cameras and processors. At the time, this investment resulted in significant improvements to daily traffic operations.

Today, the system is due for the next generation of equipment installation. We have been testing the new GS3 processors, and the results show that this equipment will provide the tools necessary to keep pace with industry standards and future transportation needs.

Hudson has been a pioneer in adopting this technology, and the current platform has already proven to be a game changer for traffic management. To maintain this momentum and continue improving safety and efficiency, we recommend purchasing the next generation processors in this technology using corridor funds designated for traffic improvements along our main corridors.

The Engineering Department and the Department of Public Works respectfully request that the Planning Board recommend the following expenditure to the Board of Selectmen.

Recommended Motion

To recommend to the Board of Selectmen the expenditure of up to \$80,214 for the purchase of next-generation traffic equipment to enhance traffic operations, using corridor funds from account 2070-000-701 (Zone 1 Traffic Improvements) and 2070-000-702 (Zone 2 Traffic Improvements), as recommended by the Director of Development Services and the Director of Public Works.



52 National Drive, Glastonbury, CT 06033
860.633.1768

Date: 9/30/2025

To: Elvis Dhima - Town of Hudson

Email: edhima@hudsonnh.gov

REV1 093025

Bid Opening Date:

Project #: GridSmart Trade-up

City: Hudson, NH

Location TBD

Quote # 250930

ITEM NUMBER	DESCRIPTION	UNIT	QTY*	PRICE PER ITEM	TOTAL	COMMENTS
	GRIDSMART Processor	ea.	10	10,421.40 \$	104,214.00	
	Includes 1 each:					
	GRIDSMART GS3 Processor					
	TS1 or TS2 or ATC Module					
	GS2 to GS3 Trade-up Discount	ea.	10	-2,400.00 \$	(24,000.00)	

We appreciate the opportunity to provide this quote.

Please reference the [quote number](#) and also [copy orders@nettrafficsolutions.com](mailto:copy_orders@nettrafficsolutions.com) when providing purchase orders.

Replacement for existing GS2 processor (S/N - TBD)

TOTAL \$ 80,214.00

Excludes field support or installation

F.O.B. Destination

Excludes performance modules

Freight added and Included

Quote valid for 30 days.

*Quote is calculated as a rate against quantity. As quantity changes total price changes

September 30, 2025

Authorized Signature