



City of Grand Forks Staff Report

**Committee of the Whole –
City Council – August 5, 2019**

Agenda Item: Acceptance of North Dakota Section 5339 and 5310 Federal Funding Award

Submitted by: Dale Bergman, Public Transportation Division Director
Ali Rood, Mobility Manager

Staff Recommended Action: Approve Cities Area Transit (CAT) Federal funding award of North Dakota Section 5339: Bus and Bus Facilities funding in the amount of \$693,992 and 5310: Elderly and Persons with Disabilities funding in the amount of \$196,157.

Committee Recommended Action:

Council Action:

BACKGROUND:

The North Dakota Department of Transportation (NDDOT) has released the Federal Transit Administration (FTA) funding award for Section 5339: Bus and Bus Facilities program and Section 5310: Elderly and Persons with Disabilities. Staff is recommending approval of its Section 5339 funding award of \$693,992 and Section 5310 funding award of \$196,157 along with any budget amendments as needed.

ANALYSIS & FINDINGS OF FACT:

On the 5339 Federal funding some of the funds will be used for replacement concrete pads and bus shelters. Other funding will be for priority projects involving the completion of the CAT Maintenance Facility remodel and expansion and tools and equipment for vehicle repairs of the new vehicles. This funding is for the add alternates approved in the original CAT Maintenance Facility funding of the 3.5 million received last year for other unfunded repairs to the original building structure such as roof replacement lighting and parking spaces. The facility serves as the administrative office, storage, and maintenance facility for fixed route and paratransit services in Grand Forks and East Grand Forks. Currently the project is ahead of schedule and under budget.

CAT awarded bids to rehabilitate, renew, and expand its facility in February 2019. There is \$649,041 remaining in unfunded items to complete the project. This will complete all foreseeable capital improvements to this facility for well into the future.

The Section 5339 funding requested included the following projects in priority order:

1. Replacement of Roof

This project involves re-roofing the existing bus storage area (22,000 sf). The roof of the building has been patched up in several places over the 34 years since it was built, and it is due for complete replacement. The total cost of the project is \$157,000. CAT is requesting \$125,600 in Section 5339 funding; the 20% local match of \$31,400 will be paid out of the City's Public Transportation budget.

2. Upgrade Oil Dispensing & Disposal Systems

This project involves the following to bring CAT's oil dispensing and disposal systems to a state of good repair:

- a. Replace the buried waste oil tank with an above ground tank. This is an old buried tank and should be removed and replaced with an above ground, dual wall tank. Old tanks can be susceptible to damage and leakage into the ground if not replaced or restored. The 34-year-old tank is due for replacement.
- b. Replace the existing oil dispensing tank system, with new high-pressure lines/hose reels, pumps and monitoring system. The existing lube lines are black pipe and do not meet current requirements for high pressure lines. This replacement would also include a monitoring system for the oil and lube dispensing system.

The total cost of the project is \$65,026. CAT is requesting \$52,020 in Section 5339 funding; the 20% local match of \$13,006 will be paid out of the City's Public Transportation budget.

3. Upgrade Lighting, Electrical & Fire Alarm Systems

This project involves the following to bring CAT's lighting, electrical and fire alarm systems to a state of good repair:

- a. Replace the interior non-LED light fixtures in the bus storage: Half of the existing bus storage space has undergone replacement to LEDs, but half of it is still left. A full replacement to LEDs will increase efficiency and light quality in the bus storage and maintenance areas.
- b. Upgrade the exterior lighting. The existing parking lot lights are high pressure sodium lights and there are several different styles on the site. Replacement to consistent LED fixtures will improve aesthetics, light quality, and security for the site.
- c. Replace the existing electrical distribution (main service switchboard, transformers and distribution panels). The main service is original to the building. The 208/120-volt branch circuit panel boards do not have spare capacity, and the step-down transformer enclosures outside are in poor condition due to rust.
- d. Replace the obsolete fire alarm zone panel and devices with a code compliant addressable system. The existing building does not have a code compliant fire alarm system and should be updated to meet code.

The total cost of the project is \$152,000. CAT is requesting \$121,600 in Section 5339 funding; the 20% local match of \$30,400 will be paid out of the City's Public Transportation budget.

4. Parking Lot Improvements

This project involves the following improvements to the parking area at the CAT Maintenance Facility:

- a. Replace 7 of the head-bolt heater posts. These stations are used by employees to plug in their vehicles during the winter, and most of these do not currently work and need to be replaced.
- b. Add 12 parking stalls. Due to the growth of the transit system over the last 34 years and changes in operations at the existing building, there is a higher demand for off-street parking. Adding 12 stalls (concrete paving, striping, etc.) to the parking lot will help meet the current and future demands.

The total cost of the project is \$67,500. CAT is requesting \$54,000 in Section 5339 funding; the 20% local match of \$13,500 will be paid out of the City's Public Transportation budget.

5. Upgrade Shop Ventilation

This project involves the following to bring the ventilation systems in the CAT maintenance and storage area to a state of good repair:

- a. Replace ductwork in the bus storage area to be code compliant. The size of the ductwork in the existing bus storage area is not large enough to meet current requirements for proper air flow and distribution. Replacement would increase the size of the ducts to meet current code.
- b. Replace (3) make-up air units for the bus storage/maintenance area. This equipment has exceeded its usable life (34 years old) and should be replaced.
- c. Replace roof mounted exhaust fan. This equipment has exceeded its usable life (34 years old) and should be replaced.
- d. Provide code compliant air quality monitor and control. The building currently has very basic temperature control, if any. We recommend new temperature controls throughout, updating the sequences of operation for code compliant ventilation, air quality monitoring and energy efficiency.
- e. Replace the existing vehicle exhaust system. The underground vehicle exhaust system doesn't work in the maintenance bays. Replacement of the system is needed to remove vehicle exhaust from building up and preventing carbon monoxide when vehicles are started in the shop storage area and when vehicle repairs are being done. (The underground exhaust piping would be abandoned in place).

The total cost of this project is \$139,950. CAT is requesting \$111,960 in Section 5339 funding; the 20% local match of \$27,990 will be paid out of the City's Public Transportation budget.

6. Exterior Maintenance

This project involves the following to bring the building envelope to a state of good repair and improve energy efficiency:

- a. Replace the existing north Kalwall system with a vertical translucent panel system. The

original (34 years) translucent panel system above the maintenance storage area is separating and leaking. The system was designed as part of a sloped roof and this has contributed to the deterioration. There are also connection/flashing issues as it meets the existing burnished block exterior wall. The replacement solution is a modern vertical translucent wall panel that will provide increased efficiency, more natural daylight, and mitigate the current water leakage and moisture issues.

b. Re-seal the existing burnished block on the building. The building sits at on the site at a 45-degree angle, and most of the burnished block on the exterior of the building has been exposed to the elements because of this (sun and wind). This has caused the seal to wear and the block has started to fade in color. Resealing the block will provide protection for the block and bring back the original color.

c. Re-caulk/repair deteriorated precast joints. The caulking joints between the exterior precast panels on the east/northeast side have not been touched in 34 years. Most of these vertical joints (every 8 feet) need to be replaced/repared so the interior of the wall/building can be protected from potential water penetration that would further damage the panels and also seal the building from heat loss due to missing caulking.

d. Replace the existing maintenance bay windows. There are 6 high, 42” diameter round window openings in the precast panels on the east/northeast side that are 34 years old. The glazing panels do not meet today’s low-e glazing standards, and the seal around the window is peeling off causing water leaks and heat loss.

d. Replace the overhead doors. The overhead doors are at least 15 years old and are made of solid panels. Replacement of these would include introducing some glazing in the panels so that there is more natural daylight being provided in the storage/fueling bays. The replacement would also include a safety sensing system so that the doors remain open when a bus is in the fuel or wash bay to prevent safety injuries of a door closing on someone or equipment.

The total cost of the project is \$98,965. CAT is requesting \$79,172 in Section 5339 funding; the 20% local match of \$19,793 will be paid out of the City’s Public Transportation budget.

7. Auto Vehicle Location Equipment

This project involves the purchase of two sets of equipment for CAT’s AVL system. This equipment will be installed in vehicles to meet the required ADA announcements, data collection, and GPS tracking across the CAT fleet. The total cost of the project is \$20,000. CAT is requesting \$16,000 in Section 5339 funding; the 20% local match of \$4,000 will be paid out of the City’s Public Transportation budget.

8. Disc Brake Tool

This project involves the purchase of tooling required to properly maintain disc brakes that are presently on new heavy duty buses. This tooling equipment will prevent personnel injury risks of back problems from excess heavy lifting of large equipment and parts. The total cost of the project is \$20,000. CAT is requesting \$16,000 in Section 5339 funding; the 20% local match of \$4,000 will be paid out of the City’s Public Transportation budget.

9. Concrete for ADA Boarding

This project involves the installation of concrete at four bus stops to allow for the placement of a

shelter and ADA boarding area. The total cost of the project is \$11,050. CAT is requesting \$8,840 in Section 5339 funding; the 20% local match of \$2,210 will be paid out of the City's Public Transportation budget.

10. Bus Shelter Replacements

This project involves replacement of bus shelters that were purchased in 1987 and have exceeded their useful life. The total cost of the project is \$136,000. CAT is requesting \$108,800 in Section 5339 funding; the 20% local match of \$27,200 will be paid out of the City's Public Transportation budget.

On the 5310 Federal funding some of the funds will be used for replacement Paratransit vans and the Mobility Managers wages.

The 5310 funding included the replacement of 4 Paratransit vans that have exceeded their useful life and mileage and need to be replaced. Also included in the funding, was 80% of the wages and benefits for the mobility manager.

SUPPORT MATERIALS:

- ND Section 5339 Funding Award Attachment
- ND Section 5310 Funding Award Attachment

Attachment A

Project Name Cities Area Transit
 SFY 2020 (July 1, 2019 - June 30, 2021)

	Local match percentage	Funding Source Section	TOTAL Federal Share	Local Share	Total
Funding Category					
Replacement Van FR652123	20	5310	30,800	7,700	38,500
Replacement Van FR642863	20	5310	30,800	7,700	38,500
Replacement Van FR642846	20	5310	30,800	7,700	38,500
Replacement Van FR652137	20	5310	30,800	7,700	38,500
TOTALS			123,200	30,800	154,000

Replacement Vans

Purchase Replacement Van

Notice to Subrecipients: Each Federal program is governed by different regulations. Federal awards have specific compliance requirements. If you are not aware of the specific requirements for your award, please

CFDA Title	CFDA No.	Title 49 USC Chapter 53 Section	Award Name
Capital Assistance Program	CFDA No 20.513	5310	Elderly and Persons with Disabilities Program

Section 5310 provides for capital grants to private nonprofit corporations and associations for the specific purpose of assisting them in providing transportation services meeting the special needs of elderly and disabled persons for whom mass transportation services are unavailable, insufficient, or inappropriate

Attachment A

Project Name Cities Area Transit
 SFY 2020 (July 1, 2019 - June 30, 2020)

	Local match percentage	Funding Source Section	TOTAL Federal Share Share	Local Share	Total
Funding Category					
Capital - Mobility Manager	20	5310	72,957	18,239	91,196
TOTALS			72,957	18,239	91,196

Mobility Manager wages

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Capital Assistance Program	CFDA No 20.513	5310	Elderly and Persons with Disabilities Program
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Attachment A

Project Name

Cities Area Transit
SFY 2019 (April 1, 2019 - June 30, 2021)

	Local match percentage	Funding Source Section	TOTAL Federal Share Share	Local Share	Total	
Funding Category						
Rehab/Rebuild – Buss Passengers Shelters	20	5339	8,840	2,210	11,050	concrete
Rehab/Rebuild – Buss Passengers Shelters	20	5339	108,800	27,200	136,000	shelters
Rehab/Renovate – Admin/Maint/Facility	20	5339	125,600	31,400	157,000	Roof
Rehab/Renovate – Admin/Maint/Facility	20	5339	52,020	13,006	65,026	oil system
Rehab/Renovate – Admin/Maint/Facility	20	5339	121,600	30,400	152,000	Lighting
Rehab/Renovate – Admin/Maint/Facility	20	5339	54,000	13,500	67,500	Parking
Rehab/Renovate – Admin/Maint/Facility	20	5339	111,960	27,990	139,950	Ventilation
Rehab/Renovate – Admin/Maint/Facility	20	5339	79,172	19,793	98,965	Exterior
TOTALS			661,992	165,499	827,491	

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CFDA Title	CFDA No.	Title 49 USC Chapter 53 Section	Award Name
Capital Assistance Program	CFDA No 20.526	5339	Bus and Bus Facilities Formula
Section 5339 provides for capital grants to private nonprofit corporations and associations for the specific purpose of assisting them in providing mass transportation.			

Attachment A

Project Name Cities Area Transit
 SFY 2019 (April 1, 2019 - June 30, 2020)

	Local match percentage	Funding Source Section	TOTAL Federal Share Share	Local Share	Total
Funding Category					
Purchase Misc Equipment	20	5339	16,000	4,000	20,000
Purchase Misc Equipment	20	5339	16,000	4,000	20,000
TOTALS			32,000	8,000	40,000

*AVL
Disk Brake*

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CFDA Title	CFDA No.	Title 49 USC Chapter 53 Section	Award Name
Capital Assistance Program	CFDA No 20.526	5339	Bus and Bus Facilities Formula

Section 5339 provides for capital grants to private nonprofit corporations and associations for the specific purpose of assisting them in providing mass transportation.