



Community Development Department

DATE: 6/2/2021

FROM: Ben Ehreth, AICP, Community Development Director

ITEM:

Bis-Man Transit Fixed Route Bus Purchase

REQUEST:

The Bismarck-Mandan Metropolitan Planning Organization, on behalf of Bis-Man Transit, requests approval to purchase two (2) 29-foot Gillig heavy duty fixed-route buses to replace two buses that have exceeded their useful life of 10 years or 350,000 miles.

Please place this item on the June 8, 2021 City Commission meeting agenda.

BACKGROUND INFORMATION:

Bis-Man Transit was awarded FY21 section 5339 discretionary grant funding to replace buses 601 and 602 in their fleet. Bus 601 was decommissioned and disposed of due to a total loss incident in 2020. Bus 602 is out of service due to engine issues, and has exceeded its useful life in both age and mileage according to FTA (Federal Transit Administration) standards.

The purchase would be made with FY21 Section 5339 funds awarded for the replacement of 2 fixed route buses. The buses would be purchased off of the State of Virginia's RFP for diesel buses immediately following City of Bismarck Commission approval, in order to cut down on procurement time.

The purchases will both be 29-foot Gillig low floor diesel buses fully equipped for service. The purchase price of the buses will be \$468,824 per bus, and the total procurement cost is \$937,648. The federal portion of this purchase, funded at 85%, will



be \$797,000.80, while the local match portion is \$140,647.20. Bis-Man Transit will provide 100% of the local match with funds derived from local mill levies. The Bismarck City Commission approved Bis-Man Transit's acceptance of funding for this grant award at the March 9, 2021 meeting.

The Bis-Man Transit Board, at its meeting on May 27, 2021, voted to recommend approval of the purchase of two (2) 29-foot Gillig heavy duty fixed-route buses.

RECOMMENDED CITY COMMISSION ACTION:

Recommend the Bismarck City Commission approve the request by Bis-Man Transit to purchase two (2) 2021 Gillig heavy duty fixed-route buses.

STAFF CONTACT INFORMATION:

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Deidre Hughes | Bis-Man Transit Executive Director, 258-6817 or dhughes@bismantransit.com



May 27, 2021

TO: Bismarck City Commission

FROM: Deidre Hughes, Executive Director

SUBJECT: Fixed Route Bus Purchase

RECOMMENDATION: The Bis-Man Transit Board is recommending that the Bismarck City Commission approve the purchase of two (2) 29-foot heavy duty fixed-route buses to replace two buses that have exceeded their useful life of 10 years or 350,000 miles.

BACKGROUND: Bis-Man Transit applied for FY21 5339 discretionary grant funding to replace buses 601 and 602. Bus 601 was decommissioned and disposed of due to a total loss incident in 2020. Bus 602, a 2006 Low Floor Gillig, has exceeded useful life in both age and mileage. At this time, bus 602 is out of service due to engine issues and maintenance is running diagnostic tests to determine the cost of repair.

DISCUSSION: The purchase would be made using FY21 Section 5339 funds awarded for the replacement of 2 fixed route buses. The buses would be purchased off of the State of Virginia's RFP for diesel buses. This will cut down on procurement time, as the buses could be ordered immediately following the City of Bismarck Commission approval. The factory lead time for each of these vehicles is estimated at 12-14 months.

FINANCIAL IMPACT: The purchase price of the buses will be \$468,824.00 per bus. The grand total for the procurement is \$937,684.08. The federal portion will be \$797,000 with a local match of \$140,647.201.

29' Gillig Low Floor Purchase			
	<i>Federal - 85%</i>	<i>Local - 15%</i>	<i>Total</i>
Bus 601 Replacement	\$ 398,500.40	\$ 70,323.60	\$ 468,824.00
Bus 602 Replacement	\$ 398,500.40	\$ 70,323.60	\$ 468,824.00
PROJECT TOTAL	\$ 797,000.80	\$ 140,647.20	\$ 937,648.00



PRICE VARIANCE
5/19/2021
BISMARCK, ND OFF THE STATE OF VIRGINIA CONTRACT
(2) 29' LOW FLOOR DIESEL BUSES, SN: TBD

ITEM	STATE OF VIRGINIA	BISMARCK, ND	VARIANCE
BRT STYLING PACKAGE	NOT INCLUDED	NOT REQUIRED	-
ENGINE	CUMMINS ISL, 280 HP	CUMMINS L9, 280 HP	-
2021 EPA MANDATED EMISSIONS	NOT INCLUDED	REQUIRED	2,900.00
AUXILIARY ENGINE OIL FILTER	NOT INCLUDED	SPINNER II	1,010.00
COOLANT FILTER	STD FLEETGUARD	STD FLEETGUARD	-
ENGINE FUEL FILTER	STD FLEETGUARD	STD FLEETGUARD	-
STARTER	DELCO MT-42	DELCO MT-42	-
AIR RESTRICTION INDICATOR	DONALDSON INFORMER RBX00-2277	DONALDSON INFORMER RBX00-2277	-
ENGINE BLOCK HEATER	NOT INCLUDED	NOT REQUIRED	-
RADIATOR	MODINE E-FAN (ELECTRIC)	MODINE E-FAN (ELECTRIC)	-
E-COAT RAD/CAC	NOT INCLUDED	REQUIRED	904.00
RADIATOR TANK GUARD	NOT INCLUDED	REQUIRED	278.00
ALTERNATOR	NIEHOFF C803 (500 AMP)	NIEHOFF C803 (500 AMP)	-
ENGINE OIL EXTRACTOR PORT	NOT INCLUDED	NOT REQUIRED	-
TRANSMISSION	VOITH D864.6	ALLISON B400R	3,923.00
FUELSENSE SOFTWARE	NOT INCLUDED	2.0 MAX	551.00
RETARDER LAMP	NOT INCLUDED	NOT REQUIRED	-
TRANS OIL EXTRACTOR PORT	NOT INCLUDED	NOT REQUIRED	-
MAGNETIC DRAIN PLUGS	NOT INCLUDED	NOT REQUIRED	-
BRAKES	DRUM	DISC	3,477.00
AXLE HUB SEALS	GREASE SEALS	C/R OIL SEALS	-
WHEEL MOUNTING	HUB PILOTED	HUB PILOTED	-
HUBODOMETER	NOT INCLUDED	NOT REQUIRED	-
AUTO TRACTION CONTROL	NOT INCLUDED	REQUIRED	116.00
WHEELS	(6) POWDER COATED ACCURIDE STEEL	(8) POWDER COATED ACCURIDE STEEL	250.00
TIRES	CUSTOMER FURNISHED	GILLIG SUPPLIED 275/70R22.5, GOODYEAR RSA	4,448.00
ELECTRIC STEERING ASSIST	NOT INCLUDED	NOT REQUIRED	-
VIP TEXTURED STEERING WHEEL	NOT INCLUDED	NOT REQUIRED	-
SPLIT FUEL TANK	NOT INCLUDED	REQUIRED	1,377.00
FUEL FILL	EMCO WHEATON, POSH-LOCK FLIP CAP	GRAVITY FILL	(296.00)
FUEL GAUGE	NOT INCLUDED	REQUIRED	186.00
REAR RUN BOX OIL & TEMP GAUGES	ELECTRICAL	MECHANICAL W/ HVAC HOUR METER	192.00
REAR HAND THROTTLE	NOT INCLUDED	REQUIRED	156.00
S.W.A.T. SWITCHES	NOT INCLUDED	NOT REQUIRED	-
ELECTRICAL TOW CONNECTION	NOT INCLUDED	COLE HERSEE	183.00
BATTERIES	(4) GROUP 31	(4) GROUP 31	-
BATTERY JUMP START CONNECTORS	NOT INCLUDED	NOT REQUIRED	-
ENGINE SKID PROTECTION	NOT INCLUDED	W/EXTENDED TOW EYES & 2" X 2" WEAR PLATES	408.00
A-POST SKID PLATES	NOT INCLUDED	REQUIRED (CURBSIDE ONLY)	72.00
WHEELCHAIR RAMP	LIFT-U, LU-18	LIFT-U, LU-18	-
HVAC MOTORS (TK)	EBM BRUSHLESS	TK14 W/ PERMANENT MAGNET MOTORS	(2,477.00)
HVAC COMPRESSOR (TK)	X426	X426	-
REFRIGERANT	134A	134A	-
REFRIGERANT PRESSURE DISPLAY	INCLUDED	NOT REQUIRED	(310.00)
DRIVERS FAN	NOT INCLUDED	2 REQUIRED	194.00
DRIVERS HEATER MOTORS	BRUSHLESS	BRUSHLESS	-
AUXILIARY COOLANT HEATER	NOT INCLUDED	SPHEROS 230	2,696.00
FRONT STEP HEATER	NOT INCLUDED	REQUIRED	351.00
EXIT DOOR HEATER	NOT INCLUDED	NOT REQUIRED	-
UNDERSEAT HEATER	NOT INCLUDED	REQUIRED	380.00
REAR DOOR	34" SWING OPEN	NOT REQUIRED	(1,410.00)
REAR DOOR CONTROLS	FULL DRIVER CONTROL	NOT REQUIRED	-
VAPOR ELECTRONIC DOORS	NOT INCLUDED	NOT REQUIRED	-

PRICE VARIANCE
5/19/2021
BISMARCK, ND OFF THE STATE OF VIRGINIA CONTRACT
(2) 29' LOW FLOOR DIESEL BUSES, SN: TBD

ITEM	STATE OF VIRGINIA	BISMARCK, ND	VARIANCE
CURB SIDE WHEELWELL STORAGE BOX	NOT INCLUDED	NOT REQUIRED	-
EXTERIOR FRONT DOOR VALVE	NOT INCLUDED	NOT REQUIRED	-
EXTERIOR AD FRAMES	NOT INCLUDED	NOT REQUIRED	-
INTERIOR AD FRAMES	NOT INCLUDED	NOT REQUIRED	-
SCHEDULE RACKS	NOT INCLUDED	INNOCOM 3.75"X7"X1.5"	54.00
PASSENGER INFORMATION STATION	NOT INCLUDED	OBIC 19/21 4P 2L	280.00
DRIVERS SEAT	USSC 9100ALX	USSC9100 ALX	
DRIVERS SEAT HEADREST	INCLUDED	REQUIRED	-
DRIVERS SEAT SHOULDER BELT	NOT INCLUDED	3-POINT ORANGEL BELT	244.00
DRIVERS SEAT CUSHION ALARM	NOT INCLUDED	REQUIRED	173.00
DRIVERS SEAT BELT ALARM	NOT INCLUDED	NOT REQUIRED	-
DRIVERS BARRIER	FLAT MELAMINE	FLAT MELAMINE	-
DRIVERS PROTECTIVE BARRIER	NOT INCLUDED	GILLIG PLEXIGLASS PARTITION (NON EXTENDED)	893.00
PASSENGER SEATS	USSC GEMINI W/ VPRO-II W/C RESTRAINTS	USSC CITI SEAT W/ VPRO-II W/C RESTRAINTS	4,005.00
RAISED REAR SEAT RISERS	NOT INCLUDED	REQUIRED	2,645.00
PASSENGER SIGNALS	TOUCH TAPES	PULL CORDS	(746.00)
REAR DOOR STOP REQUEST	NOT INCLUDED	NOT REQUIRED	-
DASH MOUNTED STOP REQUEST LAMP	NOT INCLUDED	REQUIRED	38.00
VERTICAL STANCHIONS	YELLOW POWDER COATED	STAINLESS STEEL	-
OVERHEAD NYLON GRAB STRAPS	NOT INCLUDED	4 REQUIRED	84.00
PASSENGER WINDOWS	FULL FIXED, W/STANDARD FRAMES	FULL FIXED, W/STANDARD FRAMES	
STANCHIONS ON FRONT WHEEL WELLS	NOT INCLUDED	NOT REQUIRED	-
HEADLAMPS	(4) HALOGEN (LOW BEAMS & HIGH BEAMS)	(2) LED (LOW BEAMS) & (2) HALOGEN (HIGH BEAMS)	631.00
YIELD SIGN	NOT INCLUDED	NOT REQUIRED	-
INTERIOR LIGHTS	LED I/O CONTROLS	LED I/O CONTROLS	-
PLEASURE RADIO & ANTENNA	NOT INCLUDED	REQUIRED	412.00
2-WAY RADIO & ANTENNA	NOT INCLUDED	ANTENNA AND PREWIRE	250.00
DRIVERS AM /FM SPEAKER	INCLUDED	REQUIRED	-
HAND MICROPHONE	INCLUDED	REQUIRED	-
BOOM MICROPHONE	NOT INCLUDED	SOUNDVIEW SVA505F	100.00
ITS SYSTEM / PA SYSTEM	STD REI PA SYSTEM	STD REI PA SYSTEM	-
HEATED DESTINATION SIGN GLASS	INCLUDED	REQUIRED	-
DEST SIGNS (FRONT & CURBSIDE)	HANOVER AMBER LED	HANOVER, WHITE LED	1,069.00
REAR RUN SIGN	NOT INCLUDED	HANOVER, WHITE LED	1,063.00
DEST SIGNS (STREET SIDE)	NOT INCLUDED	NOT REQUIRED	-
DASH MTD FRONT RUN SIGN	NOT INCLUDED	NOT REQUIRED	-
FAREBOX	PRE-WIRE	GFI 41" ODYSSEY	15,875.00
FAREBOX GUARD	NOT INCLUDED	REQUIRED	203.00
CEILING MTD FAREBOX LAMP	INCLUDED	REQUIRED	-
TRANSFER CUTTER	NOT INCLUDED	NOT REQUIRED	
MANUAL PASSENGER COUNTER	NOT INCLUDED	NOT REQUIRED	-
MODESTY PANEL FRONT OF REAR DOOR	NOT INCLUDED	NOT REQUIRED	
FULL COMPOSTIE FLOORING	NOT INCLUDED	NOT REQUIRED	-
FLOORING MATERIAL	RCA RUBBER	ALTRO	529.00
ROOF HATCHES	(1) MANUAL OPEN/CLOSE	(2) MANUAL OPEN/CLOSE	344.00
EXTERIOR MIRRORS	10X11, 1-PC, W/MANUAL STREET, REMOTE CURBSIDE, NON-HEATED	10X13, 2-PC, CONVEX, REMOTE (BOTH SIDES), HEATED	294.00
FIRE SUPPRESSION SYSTEM	AMEREX V-25	AMEREX V-25	
AUX STOP LTS 4" ROUND ON HAVC DOOR	NOT INCLUDED	REQUIRED	109.00
VIDEO SURVEILLANCE SYSTEM	NOT INCLUDED	REI HD5 12-CH (8) - CAMERA SYSTEM	5,677.00
17" AWARENESS MONITOR	NOT INCLUDED	REQUIRED (BUDGETARY)	5,301.00
BIKE RACK	NOT INCLUDED	SPORTSWORKS DL2 BLACK POWDER COATED	1,106.00

PRICE VARIANCE
5/19/2021
BISMARCK, ND OFF THE STATE OF VIRGINIA CONTRACT
(2) 29' LOW FLOOR DIESEL BUSES, SN: TBD

ITEM	STATE OF VIRGINIA	BISMARCK, ND	VARIANCE
BIKE RACK MIRROR	NOT INCLUDED	NOT REQUIRED	-
BIKE RACK DEPLOYED LAMP	NOT INCLUDED	NOT REQUIRED	-
DRIVERS DASH GAUGES	(2) INCLUDED	(3) REQUIRED	54.00
CUP HOLDER	NOT INCLUDED	NOT REQUIRED	-
SSTL TRASH CAN HOLDER	NOT INCLUDED	NOT REQUIRED	-
ADJUSTABLE PEDALS	NOT INCLUDED	NOT REQUIRED	-
MEDICAL AID KIT	INCLUDED	REQUIRED	-
BLOODBORN PATHOGEN KIT	INCLUDED	REQUIRED	-
EXTERIOR PAINT	(1) COLOR	(2) COLOR	1,020.00
CLEARCOAT EXTERIOR	NOT INCLUDED	NOT REQUIRED	-
EXTERIOR GRAPHICS	NOT INCLUDED	NOT REQUIRED	-
ROOF NUMBERS	NOT INCLUDED	NOT REQUIRED	-
WARRANTY - STRUCTURAL INTEGRITY	144 MONTHS / 500,000 MILES	84 MONTHS / 350,000 MILES	(256.00)
SPARES	NOT INCLUDED	NOT REQUIRED	-
TRAINING	NOT INCLUDED	(2) 24 HOUR CLASSES 10,000 / 2 BUSES = \$5,000.00	5,000.00
TOTAL BISMARCK, ND VARIANCES			66,010.00
STATE OF VIRGINIA 29' LOW FLOOR BASE UNIT PRICE (JUN '20)			400,602.00
DELIVERY			(2,430.00)
BISMARCK, ND 29' LOW FLOOR BASE BUS PRICE			464,182.00
SPARE/TOOLING BUDGET (1%)			4,642.00
BISMARCK, ND 29' LOW FLOOR CURRENT PRICE (5/19/2021)			468,824.00

OPTIONS TO BE CONSIDERED NOT INCLUDED IN ABOVE PRICING

OBIC 19/21 4P 1T	280.00
OBIC 19/21 4PW 2L	280.00
OBIC 19/21 4PW 1T	280.00

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