

WHITEWATER TOWNSHIP BOARD
AGENDA FOR SPECIAL MEETING – October 26, 2023
9:00 a.m. at the Whitewater Township Hall
5777 Vinton Road, Williamsburg, MI 49690
Phone 231-267-5141/Fax 231-267-9020

At this time, the Board invites everyone to silence their electronic devices.
Whitewater Zoom is inviting you to a scheduled Zoom meeting.

Time: Oct 26, 2023 09:00 AM Eastern Time (US and Canada)

Join Zoom Meeting

<https://us06web.zoom.us/j/84521856776?pwd=X8l6iRVnmCSFTGsrv6UtZuo3L2nV5i.1>

Meeting ID: 845 2185 6776 - Passcode: 741864

Dial by your location: 1 646 558 8656 US (New York), 1 301 715 8592 US (Washington DC)
1 312 626 6799 US (Chicago), 1 720 707 2699 US (Denver), 1 346 248 7799 US (Houston)

Find your local number: <https://us06web.zoom.us/j/84521856776?pwd=X8l6iRVnmCSFTGsrv6UtZuo3L2nV5i.1>

Whitewater Township will provide necessary reasonable auxiliary aids and services to individuals with disabilities upon reasonable advance notice. Contact the Township Clerk at 231.267.5141 Ext. 24 at least 5 days in advance of the meeting.

A. Call to Order

B. Roll Call of Board Members

C. Set/Adjust Meeting Agenda -

D. Declaration of Conflict of Interest

E. Public Comment. Any person shall be permitted to address a meeting of the township board. Public comment shall be carried out in accordance with the following board rules and procedures:

1. Comments shall be directed to the board, with questions directed to the chair.
2. Any person wishing to address the board shall speak from the lectern and state his or her name and address.
3. Persons may address the board on matters that are relevant to township government issues.
4. No person shall be allowed to speak more than once on the same matter, excluding the time needed to answer board member's questions. The chair shall control the amount of time each person shall be allowed to speak, which shall not exceed five (5) minutes.

F. Correspondence – None

G. Agenda Items as Listed in the Special Meeting Notice

1. Fire Engine Vendor Selection.
2. Discuss Grant/Financing Funding for Fire Engine.
3. Any Business Regarding Park Business

H. Board Comments/Discussion

I. Public Comment

J. Adjournment

Whitewater Township will provide necessary reasonable auxiliary aids and services to individuals with disabilities who are planning to attend. Contact the township clerk at 231-267-5141.



WHITEWATER TOWNSHIP FIRE DEPARTMENT

8380 OLD M-72 ♦ PO BOX 9 ♦ WILLIAMSBURG, MICHIGAN 49690 ♦ 231.267.5969 ♦ FIRECHIEF@WHITEWATERTOWNSHIP.ORG

MEMO

To: Whitewater Township Board

From: Fire Chief Flynn

Date: October 16, 2023

Subject: New Fire Truck Vendor Selection

The Whitewater Township Fire Department received four sealed bids for a new fire pumper truck on September 11 based on specifications for a commercial chassis pumper truck. The sealed bids were opened at the September 12 regular township board meeting noting the cost below from each of the four vendors:

- Halt Fire, Pierce - \$901,360.00 (cash price of \$834,110.00)
- FLSI, Rosenbauer - \$663,735.00
- Spencer - \$686,657.00 (cash price of \$662,624.00)
- CSI - \$549,719.00

A comprehensive review of all of the proposals were conducted and a meeting was held with a representative from CSI for clarifications.

The Whitewater Township Fire Department recommends awarding the contract to build a new fire pumper truck to CSI of Grayling, Michigan based on several factors. CSI's proposal was the lowest cost, but more importantly they had a complete proposal and a timeline for delivery that far exceeded the other proposals. Furthermore, CSI was awarded the Pumper/Tanker build for Whitewater Township in 2019 so we have a good working relationship with this fire truck manufacturer.

Suggested motion:

Motion to allow Chief Flynn to enter into a contract with CSI to build a new fire pumper truck.



Committed to proudly serving the community with professionalism and integrity.



September 5, 2023

Whitewater Twp Fire Dept
5777 Vinton Road, PO Box 159
Williamsburg, MI 49690

Ladies & Gentlemen:

CSI is prepared to manufacture the following apparatus per the enclosed proposal specifications at our plant located at 2332 Dupont Street in the city of Grayling, Michigan.

Our proposal to you is as follows: One (1) Freightliner-CSI 1200 Gallon / 1500 GPM Pumper
Per proposal package dated: September 5, 2023

The bid price per the enclosed specifications is as follows:

Chassis as specified:	\$	113,130.00
CSI apparatus body & equipment as specified:	\$	353,756.00
Equipment as specified:	\$	82,833.00
Total Apparatus:	\$	549,719.00

The expected delivery of the bid apparatus is: **365 Day from receipt of chassis**

We have bid your apparatus with one of our allocation chassis that will be available is Q2 of 2024. The chassis will be built to your specifications (see section 3 of this proposal)

The delivery time stated is based on our current schedule. CSI schedules apparatus in the order that orders are received in and will provide you a delivery date when a final contract is received.

CSI Has bid your apparatus with the following payment schedule.

Chassis payment due at chassis delivery:	\$	113,130.00
25% of the body price down at project start-up:	\$	88,439.00
Balance due on delivery:	\$	348,150.00

The bid price is good for 60 days from the date of the bid opening. Extensions may be granted upon request.

Delays in delivery by strikes, war or international conflict, failures to obtain chassis, materials, or any other causes beyond our control shall not be held against CSI as the prime contractor.

Sincerely,

Scott J. Patchin
Owner
CSI Emergency Apparatus, LLC

Whitewater Township FD Pumper Bid Equipment List
Quoted by CSI on 9-5-2023 for bid opening on 9-12-2023

#	ITEM	QTY	NOTES	ITEM #	TOTAL
NFPA 1901 Required Included					
1	24' Extension Ladder	1	Included in Specifications		
2	14' Roof Ladder	1	Included in Specifications		
3	10' Attic Ladder	1	Included in Specifications		
4	10' X 6" Suction hose w/5" Storz couplings	2	Included in Specifications		
Cab					
5	Two way radio installation	2	Radios provided by customer		
Compartments					
6	5 Cabinet roll-out trays	5	Included in Specifications		
7	SCBA Brackets, Zico UN-6-30-2-SF	6	Included in truck-installed		
8	Fan mount (32)	1	Tray LS3	BDTM-18	256
9	Generator mount (33)	1	Tray LS3	CSI Fab	445
10	Extrication tool mounts	3	Tray B1, furnished and installed	CSI Fab	939
Pump Accessories					
11	TFT Master Stream Monitor, Combo	1	XFT-NJ, M-R1250S-NJ		2,731
12	TFT 4 Stacked tips set	1	4 stacked tip set - 2.5" female	MST-4NJ	468
13	TFT Stream Straightener	1	5" Stream Straightner	XF-SS5	157
14	TFT Intake valve, 5" Storz + Cap	2		AP1ST-NX	4,270
Extrication Equipment					
15	Hurst Edraulic Spreader Pkg	1	Package quoted by Scot McLoed from MacQueen Fire Equipment	SP555E2	} 35,149
16	Hurst Edraulic Cutter Pkg	1		S799E2	
17	Hurst Edraulic Ram Pkg	1		R422E2	
18	LRS-C Quick Kick Ram Support	1		247R028	
Fire Hose/Nozzles/Fittings					
19	5" LDH Jacketed, Storz fittings	800'	Mercedes Textiles, AL couplings	MegaFlo	7,344
20	2 1/2" Discharge hose	1000'	Mercedes Textiles, AL couplings	Kraken EXO	5,984
21	1 3/4" Discharge hose	400'	200' Red & 200' Blue	Kraken EXO	1,742
22	1 3/4" Discharge Hose	375'	75' lengths, white	Kraken EXO	1,528
23	Elkhart 2 1/2" playpipe	1	0034XD02		860
24	Elkhart 2 1/2" fog nozzle	1	02XD405F-01050A		849
25	Elkhart 2 1/2" stacked tips set	1	02551007		311
26	Elkhart Brass Pistol Grip	5	0033XD05		2,443
27	Elkhart Brass Fog	4	04XD017F-0401050A		1,989
28	Elkhart Brass smooth bore nozzle	1	66762007		153
29	Gated Wye	2	2 1/2 to 2-1 1/2	TFT-AYNJ-NF	816
30	TFT 5" Storz gated wye	1		AL22T2T0	2,581
Equipment					
31	PPV Fan, Super Vac/Milwaukee	1	18"	V18-BL-12-AC-SH	5,703
32	Honda EU200I Generator w/Tele-Lite	1		TEU-22.LEDTL6	3,024
PAC (Performance Advantage Company) - Mounts®					
33	Universal Tool Kit	2	Shipped Loose - Black	K5009	143
34	Sledge Hammer Kit	1	Shipped Loose - Black	K5010	81
35	Bolt Cutter Kit	1	Shipped Loose - Black	K5029	45
36	Handle lock	16	Shipped Loose - Black	1004	595
37	Jumbo Handlelock	4	Shipped Loose - Black	1070	238

Whitewater Township FD Pumper Bid Equipment List
Quoted by CSI on 9-5-2023 for bid opening on 9-12-2023

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NOTES

CSI Emergency Apparatus

Proposal

Prepared for:

Whitewater Twp. Fire Department



**CSI Emergency Apparatus, LLC
2332 Dupont Street
Grayling, MI 49735**

Phone: 989-348-2877



Whitewater Township Fire Dept Pumper Specifications September 5, 2023

PROPOSAL SPECIFICATIONS FOR WHITEWATER TWP FIRE DEPT.

CSI Emergency Apparatus has provided these specifications for furnishing and delivering one (1) pumper as herein specified to the Whitewater Township Fire Department.

The completed vehicle will conform to the requirements of the National Fire Protection Association "NFPA" 1901 Standards for Automotive Fire Apparatus along with all State of Michigan and Federal Department of Transportation motor vehicle regulations.

DESIGN

The apparatus shall be of the latest design and type while using the most current industry fabrication and assembly techniques.

The apparatus, assemblies, component parts, etc., shall be designed and constructed with consideration given to the nature of service and loads the vehicle will be subjected to over the life of the vehicle.

TESTING

The apparatus shall meet or exceed all testing requirements specified in the NFPA 1901 Standards for Automotive Fire Apparatus "latest edition". Proof of testing as required shall be included with the apparatus at delivery.

DELIVERY

The completed apparatus shall be delivered under its own power to the Whitewater Township Fire Department, Williamsburg, Michigan.

The delivery representative shall provide a complete orientation (training) on the apparatus at the time of delivery. A SECOND scheduled session will be available to the fire department on a different date at no additional cost if requested. This will be available to the department for up to 90 days from the original delivery date.

INFORMATION REQUIRED AT DELIVERY

The apparatus shall be delivered with all documentation and testing documents required by the latest edition of the NFPA 1901 Standard for Automotive Fire Apparatus.

CONTINGENCY

CSI has included a \$20,000.00 contingency in our proposal. Any unused funds will be credited back to the purchasing authority on the final invoice for the project. All monies used from the contingency will be approved by the fire chief.



Whitewater Township Fire Dept Pumper Specifications September 5, 2023

PROPOSED APPARATUS WEIGHT CALCULATION OVERVIEW

The projected loaded weight of the apparatus is as follows:

Front axle loaded: 11,620 pounds (Chassis rated at 16,000 pounds)

Rear axle loaded: 23,230 pounds (Chassis rated at 31,000 pounds)

Total projected loaded weight is 34,850 pounds (Chassis total GVWR is 47,000)

Weight distribution will be: 31% front / 69% rear

Detailed weight and center of gravity calculations are provided in the engineering section of our proposal package.

CSI has bid your apparatus with the axles and GVWR requested however; we are recommending you consider going to a 14,000 front and 26,000 rear suspension package on the apparatus providing you with a 40,000 GVWR.

WEIGHT AND LOAD DISTRIBUTION

The apparatus shall comply with the requirements for weight and load distribution as required by the NFPA 1901 Standard for Automotive Fire Apparatus, *Chapter 4 General Requirements*.

APPARATUS PERFORMANCE

The apparatus shall comply with the apparatus performance, road ability, road tests and serviceability requirements as required by the NFPA 1901 Standard for Automotive Fire Apparatus, *Chapter 4 General Requirements*.

VEHICLE DATA RECORDER (VDR) & SEAT BELT WARNING DISPLAY

The Freightliner chassis includes data code 786-119, NFPA Vehicle Data Recorder (VDR) and Seat Belt Display as required by the NFPA 1901 Standard for Automotive Fire Apparatus.

NFPA REQUIRED EQUIPMENT

The equipment listed in these specifications is the only equipment that will be delivered with the apparatus. It is understood that loose equipment that is specified in the NFPA 1901 Standard for Automotive Fire Apparatus that is not listed in this bid specification is to be provided and installed by the fire department after the apparatus is delivered.



Whitewater Township Fire Dept Pumper Specifications September 5, 2023

APPARATUS MEASUREMENTS

The apparatus approximate measurements of our proposed apparatus are as follows.

- Overall height: **10'-3"**
- Overall length: **31'-6"**
- Overall width: **100"** (This does not include drip rails, chassis components, or non-permanent fixtures)

INSPECTION TRIPS

The apparatus will be designed and built at our facility in Grayling Michigan. We have an open-door policy and welcome inspections at any phase of the project.

WARRANTIES & WARRANTY SERVICE

After delivery, all typical warranty services will be done by one of our mobile service units on site at your fire department. On the rare occasion where this cannot be done, we will pick up your apparatus and returned to the fire department with a full tank of fuel after the work is completed. It needs to be understood that CSI Emergency Apparatus is not a Freightliner dealer and in the event something comes up on the chassis portion of the apparatus, it will be required the chassis is serviced by a Freightliner dealer. CSI Emergency Apparatus will work with the chassis warranty provider nearest to Whitewater Township to have any chassis warranty items resolved as locally and quickly as possible.

WARRANTY

Materials & Workmanship:

CSI Emergency Apparatus, LLC shall warrant the fire apparatus manufactured by it to the original purchaser against defects in material and workmanship for a period of one (1) year from the date of delivery to the original purchaser provided the apparatus is used in a normal and reasonable manner

Polypropylene Water Tank & Body:

CSI Emergency Apparatus, LLC has proposed our apparatus with a United Plastics Fabricating (UPF) water tank and body assembly. United Plastics provides you with the industry's leading manufacturer's direct warranty. United Plastics warranty document included in our proposal.

Structural-Subframe:

CSI Emergency Apparatus, LLC shall warrant the fire apparatus manufactured by it to the original purchaser a (15) year apparatus structural sub-frame warranty. The warranty shall cover weld and/or metal cracking, breaking or failure for a warranty period of (15) years or 100,000 miles, whichever occurs first after the date of which the vehicle is delivered to the original purchaser provided the apparatus is used in a normal and reasonable manner.



Whitewater Township Fire Dept Pumper Specifications September 5, 2023

Plumbing:

CSI Emergency Apparatus, LLC shall warrant stainless steel plumbing discharge and intake plumbing manifolds manufactured by it to the original purchaser against defects in material and workmanship for a period of ten (10) year from the date of delivery to the original purchaser provided the apparatus is used in a normal and reasonable manner.

Paint:

CSI Emergency Apparatus, LLC shall warrant the fire apparatus body manufactured by it to the original purchaser a (10) year prorated paint/corrosion warranty. This warranty shall cover, blistering, peeling, or any other adhesion defects caused by manufacturing methods, or material selection, for a warranty period of (10) years or 100,000 miles, whichever occurs first after the date of which the vehicle is delivered to the original purchaser provided the apparatus is used in a normal and reasonable manner.

Proration Rate Scale: First 5 years – 100% / Years 6 to 8 – 75% / Years 8 to 10 – 50%

Chassis:

The chassis shall be warranted by chassis manufacturer as per the bid chassis manufacturer's issued warranty. CSI Emergency Apparatus, LLC shall not install any items or components that will void any portion of the chassis warranty. If such an item is installed, CSI Emergency Apparatus, LLC or company of which installed that component shall assume the said warranty on that item for the duration of the published standard warranty at that time to the original purchaser.

Fire Pump:

The fire pump shall be provided with the Waterous 7-year limited warranty to the original purchaser. Waterous warranty document included in our proposal.

Apparatus Accessory Items:

All accessory items shall be covered by the individual manufacturer's specified warranty.

CHASSIS INSPECTION

When the chassis is received, it shall be thoroughly inspected and received by CSI Emergency Apparatus to the purchase specifications. During this inspection, particular attention shall be given to the overall condition of the chassis. This inspection shall include a test drive of the chassis prior to any work being performed. During the test drive, the bare chassis shall be weighed, and all systems tested for operation. The driver shall also note any drivability, excessive wind noise or alignment concerns found during the drive. The test drive shall be a minimum of 10 miles to allow the chassis to reach full operation temperatures. Any damage or deficiencies found during testing shall be noted and reported to the chassis dealer for repair.



Whitewater Township Fire Dept Pumper Specifications September 5, 2023

CHASSIS PREPARATION

After inspection, the chassis shall be checked in and all final adjustments made to prepare the chassis to receive the emergency vehicle equipment and body. This includes establishing a "clean frame rail status" by relocating components that may interfere during the build process. Heat shields and fiberglass heat blanketing shall be installed as needed around the chassis diesel particulate filter and exhaust components that are unable to be relocated.

FLUID CAPACITY PLATE

A permanent **engraved** plate shall be mounted in the cab, which specifies the quantity and type of fluids required for all points on the apparatus chassis and body.

SEATING CAPACITY PLATE

A permanent **engraved** plate shall be mounted in the driver's compartment, which specifies the quantity of personnel the cab is designed to accommodate.

SEAT BELT PLATE

Permanent **engraved** warning signs shall be mounted in the cab which specifies all crew occupants must be seat belted.

VEHICLE HEIGHT PLATE

A permanent **engraved** plate shall be mounted in the driver's compartment, which specifies the overall height of the apparatus without water.

RIDER WARNING SIGNS

Permanent **engraved** warning signs shall be mounted at all running board and tailboard areas on the apparatus that specifies no riding on steps.

TIRE CHAINS

There shall be a set of air operated, automatic tire chains provided and installed on the rear axle. The control for the tire chains shall be located in the apparatus cab and shall be easily accessible to the driver. The chains shall be Onspot brand.

There shall be six (6) chain lengths approximately 13 inches long that shall be welded to a single steel ring at 60-degree intervals. Each length of chain shall contain up to 10 twisted style links that are square-cut to provide for maximum traction in forward and reverse modes.

There shall be one (1) driver's side and one (1) passenger side mounting bracket. The brackets shall attach utilizing certified grade 8 fasteners manufactured in accordance with SAE specifications.

A continuous duty solenoid shall be provided that, when activated, shall open and allow compressed air to flow to each chain unit.



Whitewater Township Fire Dept Pumper Specifications September 5, 2023

TIRE PRESSURE INDICATORS (TPI)

CSI has bid our Freightliner chassis with their OEM data code 50W-005, Bendix Smart Tire Pressure Monitoring System on all chassis tires.

STAINLESS STEEL WHEEL TRIM KITS

A set of Real Wheels brand high polished stainless steel wheel trim kits shall be provided and installed on the chassis ALUMINUM wheels. The wheel trim kit shall include individual lug nut covers, front center wheel hub covers, and a top hat style rear axle covers.

WHEEL CHOCKS WITH BRACKETS

One (1) set of Zico folding wheel chocks model SAC-44-E with under body mounting brackets model SQCH-44-H shall be provided and installed under the driver side front body compartment.

AIR CHUCK OUTLET

There shall be a quick disconnect air chuck outlet provided and installed on the apparatus terminating with a female .25" threaded outlet with male fitting at the left side lower pump panel. The air chuck outlet shall be plumbed to the chassis air system's wet tank and have on/off valve and label "AIR OUTLET". The system shall include a pressure protection valve in the line to prevent the brake system from losing the required air.

CHASSIS HIGH IDLE

A chassis high idle shall be actuated by means of the Freightliner OEM cruise control data code 79B-000. When the truck is stationary, the driver can increase the engine RPM in 25 RPM increments with cruise control input.

CHASSIS EXHAUST

The chassis exhaust shall be routed from the DPF to the underside of the apparatus. The exhaust shall exit in front of the rear wheels with Freightliner heat mitigation tip.

The exhaust plumbing shall be supplied with fiberglass heat blanketing and / or stainless steel heat shields where required. Exhaust system and emissions shall meet the latest federal and state regulations.



Whitewater Township Fire Dept Pumper Specifications September 5, 2023

BUMPER EXTENSION

The chassis front bumper shall be removed, and the chassis frame rails shall be extended twenty (20) inches. The frame extension shall be fabricated with structural steel. The chassis OEM chrome bumper shall be installed on the frame extensions.

The area between the grille and the bumper shall be overlaid with .188 inch thick embossed aluminum diamond plate.

A front bumper compartment shall be provided on the front bumper extension between the chassis frame rails. The compartment shall be constructed of smooth aluminum and shall have the edges flush with the gravel shield. The compartment shall be sized to store up to 100 feet of 1.75" discharge hose. There shall be drain holes provided in the bottom corners to allow excess moisture to escape.

Two (2) Velcro strap type hold downs shall be installed on the storage area to retain the packed hose during travel.

The front bumper shall be plumbed as specified later in these specifications.

CAB STEP TRIM

The cab entrance steps on both sides of the apparatus shall include polished aluminum cab step covers (full covers). The covers shall include the driver and officer side steps, driver side DEF tank, driver side fuel tank, and officer side emissions components.

CAB STEP LIGHTING

Four (4) cab steps shall be provided and installed, one above each step surface. The lights shall be TecNiq LED D07 Linear Area Lights with Stainless Steel Covers (D07-0S45-1). Each light shall also include a gasket (D07-0G00-1)

ENGINE COMPARTMENT LIGHTING

Two (2) engine compartment lights shall be provided and installed on the cab firewall directed toward the engine, one (1) each side of the engine. The lights shall be TecNiq LED E18 High Output Utility Lights with intergraded switch (E18-LCS0-1).



Whitewater Township Fire Dept Pumper Specifications September 5, 2023

CENTER CONSOLE

A center console shall be provided between the driver and passenger seats. The forward portion of this console shall be raised and sloped back to allow for mounting of switches, siren head and other specified equipment to be mounted in the console area. The entire console shall be constructed from (1/8") 5052-H32 smooth aluminum. The console shall be finished with black LineX coating for a pleasing and durable finished. The top shall hinge forward to provide access to the inside electrical components for service. The following items shall be mounted in the center console:

- Switch panel for apparatus lighting
- Siren control
- Door-a-jar light (this shall include an audible alarm)
- Ignition light
- Department supplied radio(s)

PRECONSTRUCTION CONSOLE REVIEW

The center console layout and storage pocket configuration shall be reviewed at the apparatus pre-construction meeting.

CONSOLE STORAGE AREA

The rear portion of the console shall be provided with two storage pockets for clip boards maps scene tape, and other department items. Each pocket shall have a minimum of 3.5" clear width.

MAG MIC CLIP

Three (3) Innovative Products Magnetic Mic® clips shall be provided and installed as directed by the purchasing authority.

HELMET STORAGE

A tag shall be permanently installed in sight of the driver and officer stating "helmets must be stored in the body compartments.

HAND HELD LIGHT

Two (2) Streamlight Survivor Right Angle Lights (90509) shall be provided and installed. Each light shall be rechargeable and shall include an orange thermoplastic body and vehicle charger mount system. Mounting location to be determined at the pre-construction meeting.



Whitewater Township Fire Dept Pumper Specifications September 5, 2023

DO NOT MOVE APPARATUS WARNING INDACATOR

A warning system shall be provided in the cab of the apparatus to warn the driver of any open compartment doors or a-jar equipment. The warning shall also include an audible alarm. This shall be wired to warn the driver of the following:

- Pump module or any main body compartment door left open or a-jar.
- Any SCBA bottle storage door left open or a-jar.
- The deck monitor extend-a-gun not properly stored.

KUSSMAUL DOOR OPEN DISPLAY

A Kussmaul open door display shall be provided to alert the driver to an open compartment door whenever the parking brake is released. The display shall be capable of accommodating up to 10 doors. The display shall provide a top view of the apparatus and the door open LED shall be position coordinated with the open door. The system shall be configured as follows:

Driver side pump panel door

Driver side front body compartment (L1)

Driver side over wheel compartment (L2)

Driver side rear body compartment (L3)

Officer side pump pane door

Officer side front body compartment (R1)

Officer side over wheel compartment (R2)

Officer side rear body compartment (R3)

Rear body compartment (B1)

CAB SWITCH PANEL

An Innovative Controls eight position switch panel shall be located in the cab console, in reach of the driver and officer seat to control lighting and other specified features on the apparatus. This switch panel assembly shall contain Carling Tech Contura II switches, LED back lite legends and bezel assembly. The light switches shall be "rocker" type with an internal indicator light to show when the switch is energized. Switching shall be as follows:

1. EMERGENCY MASTER
2. LIGHT BAR CLEAR LIGHT CUT OFF
3. BROW LIGHT
4. DRIVER SIDE SCENE
5. REAR SCENE
6. PASSENGER SIDE SCENE
7. Q-SIREN ROCKER
8. KUSSMAUL USB CHARGING PORT (DUAL)

The clear light cut off switch shall shut down all forward flashing CLEAR lights for responding in inclement weather conditions.



Whitewater Township Fire Dept Pumper Specifications September 5, 2023

SPARE CIRCUIT-FULL TIME POWER

There shall be two (2) pairs of wires, including a positive and a negative, installed on the apparatus. The positive wires shall be connected directly to the battery power and the negative wires shall be connected to clean ground. Wires shall be protected to 15 amps at 12 volts DC and gauged to 125% of the load protection.

Wires shall terminate in the center console, each with a three (3) foot coil of wire and heat shrink protected ends.

AUXILIARY ACCESSORY POWER-BATTERY SWITCH POWERED

An auxiliary six (6) position Blue Sea Systems 5025 blade type fuse panel shall be installed inside the center console. The fuse panel shall be protected by a 40 amp fuse. The panel shall be wired for a battery master switched load.

USB PORTS-FULL TIME POWER

There shall be two (2) Kussmaul dual port USB ports (part number 091-219-5) shall be provided and installed in the console area. USB final locations shall be reviewed at the pre-construction meeting.

RADIO COAX INSTALLATION

Two (2) standard 1.125", 18 threaded coax antenna mounting bases provided and installed while the interior is out of the apparatus. Care shall be taken to run each coax clear of any flashers or other devices that may cause interference. Each coax shall terminate on the cab roof and include weather proof caps. The interior termination shall be inside the cab radio console.

DIGITAL MULTIMEDIA RECEIVER WITH BACK-UP CAMERA

The OEM stereo shall be removed from the apparatus and replaced with a Jensen CAR110X multimedia receiver with back-up camera. The system shall include a 10.1" x 6.7" touchscreen. The system shall provide all radio features along with displaying the back-up camera view on the display.

RECESSED BACK-UP CAMERA

One (1) Optimo Electronics or equal heated camera eye shall be recessed high on the rear of the apparatus. The camera shall be wired into the video input on the digital multimedia receiver.

LOW VOLTAGE ELECTRICAL SYSTEM (12-VOLT)

The apparatus body shall be equipped with a low voltage 12-volt electrical system that meets or exceeds the requirements specified in latest edition of the NFPA 1901 Standard for Automotive Fire Apparatus.



Whitewater Township Fire Dept Pumper Specifications September 5, 2023

ELECTRICAL

All 12-volt electrical equipment installed shall conform to modern automotive practices. All wiring shall be high temperature crosslink type. Wiring shall be run in loom or conduit where exposed and have grommets where wire passes through sheet metal. Automatic reset circuit breakers shall be provided which conform to SAE Standards. Wiring shall be color, function or number coded. Function and number codes shall be continuously imprinted on all wiring harness conductors at no more than 4" intervals. Exterior exposed wire connectors shall be positive locking, and environmentally sealed to withstand elements such as temperature extremes, moisture and automotive fluids. Electrical wiring and equipment shall be installed utilizing the following guidelines:

1. All holes made in the roof shall be caulked with self-leveling silicon. Rope caulk shall not be used. Large fender washers or back plating, liberally caulked, shall be used when fastening equipment to the underside of the cab roof.
2. Any electrical component that is installed in an exposed area shall be mounted in a manner that shall not allow moisture to accumulate in it. Exposed area shall be defined as any location outside of the cab or body.
3. Electrical components designed to be removed for maintenance shall be fastened with nuts and bolts or metal screws if the nut is difficult to access. Sufficient wire shall be provided behind the component to allow pulling it away from mounting surface for inspection and service.
4. Corrosion preventative compound shall be applied to all terminal plugs located outside of the cab or body. All non-waterproof connections shall require this compound in the plug to prevent corrosion and allow for easy separation of the plug.
5. All lights that have their sockets in a weather exposed area shall have corrosion preventative compound added to the socket terminal area.
6. All electrical terminals in exposed areas shall have silicon applied completely over the metal portion of the terminal.

All lights and reflectors, required to comply with Federal Motor Vehicle Safety Standards shall be provided.

A false wall, bulkhead, over cover shall be provided over exposed wiring inside the rear compartments.

An operational test shall be conducted to ensure that any equipment that is permanently attached to the electrical system is properly connected and in working order.

The results of the tests shall be recorded and provided to the purchaser at time of delivery.



Whitewater Township Fire Dept Pumper Specifications September 5, 2023

MASTER BATTERY SWITCH

CSI has bid our Freightliner chassis with their OEM data code 293-058, positive load disconnect with cab mounted control switch located on the chassis floor next to the driver seat.

BATTERY CONDITIONER

A Pro Charging Systems solid state professional series 2-bank, 15 amp battery conditioner with single bar graph display shall be supplied and installed to help maintain the chassis batteries from a 120-volt shore line power source.

A three (3) year warranty shall be provided on the conditioner by the manufacturer.

KUSSMAUL A.C. AUTO PUMP

A Kussmaul model 091-9B-1 air brake leakage compensator compressor shall be supplied and installed to operate from the 120 volt side of the chassis shore line. The compressor shall be set to cut in at 75 PSI and cut out at 95 PSI.

The compressor shall be provided with a one (1) year warranty.

SHORELINE 110-VOLT RECEPTACLE (auto-eject)

A 20 amp 120 volt Kussmaul super auto eject inlet receptacle (091-55-20-120) with Kussmaul cover with bar-graph display (091-55-234-YW) shall be installed and located in the driver side step area.

SHORELINE PLUG

The apparatus shall be delivered with a 20-amp cord end plug to match the shoreline receptacle.

LOAD MANAGER

The apparatus shall be equipped with a Kussmaul Load Manager Mark IV (091-75) to manage the electrical load on the apparatus. The load manager shall continually monitor the vehicles electrical load and automatically shed up to ten pre-determined, non-essential loads when required to prevent an electrical system overload. Managed loads to be discussed with the department at the apparatus pre-construction meeting.



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D.O.T. MARKER AND CLEARANCE LIGHTING, L.E.D.

The apparatus body shall be supplied with Whelen OS Series LED clearance and marker lighting as required by the Federal Motor Vehicle Safety Standard, Department of Transportation Standard and any local or state requirements. Lights shall be located as follows:

- Three (3) red, low on the rear of the body, close as practical to the vertical centerline, spaced not less than 6.00" or more than 12.00" apart.
- Two (2) red, installed high, one (1) at each rear outboard corner of the body, as high and as far outboard as practical.
- Two (2) red, installed high, one (1) at each upper side rear corner of the body, as close to the rear as practical.
- Two (2) red, installed low, one (1) at each lower side rear corner of the body, as close to the rear as practical, at the rub-rail level.
- Two (2) amber, installed high, one (1) at each upper front corner of the body, as high and as far outboard as practical.
- Two (2) amber, installed low, one (1) forward of each rear wheel opening on the body, at the rub-rail level.

MID BODY LED TURN SIGNALS

Mid body Whelen OS Series LED amber turn signal flashers shall be provided in front of the rear wheel opening of the apparatus body. These lights shall be LED amber lights with chrome bezels.

REAR FMVSS AND LOWER ZONE "C" EMERGENCY LIGHTING

The rear lower zone emergency lighting, stop/tail lighting, directional lighting, and back-up lighting shall all be LED lighting, installed in individual chrome housings, spaced appropriately to avoid interference with the rear access ladder rungs. The lighting and positions shall be as follows:

- Top position: Whelen M6RC, red LED emergency lights with clear lens
- Second position: Whelen M6BTT, red LED stop/tail lights with red lens
- Third position: Whelen M6T, amber LED arrow turn lights with amber arrow lens
- Four position: Whelen M6BUW, white LED back-up lights with clear/white lens

Each light assembly shall be located one (1) at each lower rear corner of the body above the tail board.

LICENSE PLATE MOUNT WITH LED LIGHT

The rear bulk-head shall include a polished cast aluminum plate mounting bracket. The bracket shall include a clear LED license plate light above the license plate. Stainless steel fasters for license plate mounting shall be included with the apparatus.



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BACK-UP ALARM

A PRECO, Model 1040 or equal, solid-state electronic audible back-up alarm that actuates when the truck is shifted into reverse shall be provided. The device shall sound at 60 pulses per minute and automatically adjust its volume to maintain a minimum ten (10) dBA above surrounding environmental noise levels.

LED UNDERBODY SCENE LIGHTING

Ground lighting shall be provided under the apparatus to illuminate the immediate area around the apparatus. The lighting shall be done with Whelen 2G (20C0CDCR) or equal clear LED lights, rubber grommet mounted with sealed polycarbonate bodies. Each light shall be installed in a stainless steel bracket to direct the lighting from under the apparatus to the walking area around the vehicle. The lights shall be located as follows:

- One (1) under each cab step (2 total)
- One (1) under each side of the pump module (2 total)
- One (1) under each end of the tail board (2 total)

Total number of ground lights to be provided and installed under the apparatus is six (6). The ground lights shall be switched on automatically when the chassis park brake is set.

STEP LIGHTING / LADDER UNDER-RUNG LIGHTS

The top side of the apparatus shall be accessed via a two (2) stainless steel rear access ladders specified later in these specifications. Each ladder rung of the specified ladders shall include a short TecNiq E45 series LED strip light installed in the bottom of the rung to provide step lighting for each rung and rear area lighting around the ladder and tail board. These lights shall come on when the chassis park-brake is set.

WALKING SURFACE LIGHT

The top of the apparatus shall be supplied with TecNiq E45 series LED stipe lighting to light the hosebed area, dunnage areas, and walkways on top of the apparatus. The lights shall be clear in color and wired to come on automatically when the parking brake is set.

Lighting shall be located as follows:

- Two (2) 25" in the pump module dunnage area
- One (1) 25" in the tank fill tower dunnage area
- Two (2) 25" on the front edge of the hosebed to light the hosebed area.

BROW LIGHT – FRC SPECTRA 12 VOLT LED LIGHTING

A Fire Research SPECTRA, model SPA850-Q20, flat mount brow, 12 volt LED light head shall be provided and installed over the cab windshield. The light shall be "visor" style mounted on a special bracket on the front edge of the cab roof. The light head and brow mount shall be powder coated black. The light shall be switched in the following locations:

- Cab switch console
- Pump panel switch panel



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SURFACE MOUNT LED SCENE LIGHTING

Surface mounted scene lighting shall be provided and installed on the apparatus as specified below. Each lamp head shall operate from the apparatus 12-volt electrical system. Light and locations shall be as follows:

- One (1) Spectra MAX model SPA260-Q20 LED light assembly shall be centered on the driver side of the of the apparatus. The light shall be switched in the apparatus cab and at the pump operator's panel.
- One (1) Spectra MAX model SPA260-Q20 LED light assembly shall be centered high on the passenger side of the apparatus. The lights shall be switched in the apparatus cab and at the pump operator's panel.
- Two (2) Spectra 900 model SPA900-Q7 LED light assemblies shall be installed high on the rear of the apparatus, one (1) each side of the B1 roll up compartment door. The lights shall be switched in the apparatus cab and at the pump operator's panel.

MASTER CUTOUT SWITCH FOR FORWARD FACING WHITE WARNING LIGHTS

There shall be a master cutout switch provided in the cab switch panel to deactivate all of the white forward facing warning lights.

TANK & BODY "POLY BODY APPARATUS"

The tank and body shall be an integrated designed constructed entirely of PT2 polypropylene sheet stock incorporating the tank, compartments, body sides, and rear fender area of the apparatus. All polypropylene sheet stock material shall be black non-corrosive, stress relieved, virgin thermoplastic and UV stabilized for maximum protection. The poly body shall be a United Plastics Fabricating (UPF) brand.

TANK

The tank capacity shall be a minimum of **1200 U.S. gallons**. The tank portion of the body shall be integrated into the center of the body in such a way that it will maximize the compartment space and evenly distribute the water load on the rear axle of the apparatus.

TANK FLOOR WITH SUMP

The tank floor shall be constructed from (1") thick polypropylene sheet stock. The tank floor shall include a clean-out sump.

TANK WALLS

The front and side walls of the tank shall be constructed from smooth finish (3/4") thick polypropylene sheet stock.

TANK LID

The tank lid shall be constructed from pebble finish (3/4") thick polypropylene sheet stock. The lid shall form the hosebed floor and shall be grooved to allow the packed hose to drain and to provide air flow under the packed hose.



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SWASH PARTITIONS “BAFFLES”

The tank shall be designed and baffled in accordance with the latest NFPA 1901 specifications. The baffles shall be constructed from smooth finish (3/8" minimum) thick polypropylene sheet stock.

VENT / OVERFLOW

A 6" or larger vent / overflow pipe shall be provided to allow filling and tank water to be drawn from the tank by the fire pump as specified by the National Fire Protection Association's (NFPA) 1901 guidelines for automotive fire apparatus.

The vent / overflow pipe shall vent from the fill-tower and dump under the center of the apparatus behind the rear axle.

TANK PLUMBING, FITTINGS, DIFFUSERS & SWIRL PLATES

The tank shall be provided with fittings for the tank to pump, tank fill, and direct fill plumbing as specified in these specifications.

All tank fills shall be provided with diffusers to defuse water streams discharged into the water tank.

The tank to pump shall be provided with an anti-swirl plate to prevent water swirl and pump cavitation when pumping from the tank.

FILL TOWER

The tank shall be provided with a fill tower to allow top filling of water. The tower shall be located in the driver side front corner of the tank. The tower shall be a minimum of 10" wide x 16" long and shall include a screen and hinging cover.

EQUIPMENT MOUNTING

CSI shall supply United Plastics Fabricating with the engineering data required to locate all mounting blocks and threaded inserts to accommodate the items that will be installed on tank walls to insure the equipment mounting will not void any portion of the lifetime tank warranty.

REAR 4" FILL VALVE

A 4" direct tank fill shall be placed at an accessible level, left of the rear body compartment door. The fill shall be valved with a FFE (Firemen's Friend Engineering) stainless steel check-valve (FFE4040). The check valve system shall be 100% stainless steel construction with a rubber seal. The check valve shall be located inside the water tank. The plumbing between the check valve and rear fill fitting shall be stainless steel. A 30° down angle with will ease hookup to the specified adapter. A bleeder shall be provided on the supply side of the valve to allow bleeding off excess water or air pressure as required by the NFPA.

The fill shall terminate with a (CUSTOMER SPECIFIED FITTING)



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MAIN HOSEBED AREA

The main hosebed shall be an integral part of the poly tank and body. The hosebed walls shall be box construction, 2" thick to allow wiring to be concealed inside the hosebed walls. The hosebed shall be 68" wide with a depth sized to carry the hose loads specified below. The hosebed shall be designed to allow the hose to deploy off the rear of the apparatus. The tank lids shall have grooving cut into the top poly material to form an integrated hosebed decking allowing the packed hose to drain and allow airflow under the hose for hose ventilation. The exterior walls of the hosebed shall be painted to match the rest of the body as specified in the paint section of these specifications. The interior shall remain natural black poly to provide a durable and pleasing appearance. The main hosebed shall be capable of storing the following hose loads:

- 400'-0" feet of 3" double jacketed fire hose coupled in 50'-0" lengths
- 400'-0" feet of 5" rubber LDH coupled in 100'-0" lengths

ADJUSTABLE HOSEBED DIVIDER

The apparatus shall be supplied with an adjustable hosebed divider system to divide the hosebed into individual compartments to store department supplied hose. Each divider shall be constructed from 3/16" D.A. finished smooth aluminum. Each aluminum divider shall have an extruded tee-rail or angle-rail welded to the bottom edge for added strength and durability. Each divider shall be adjustable in a track system that is located at the front and rear of the hosebed. The back edge of each divider shall be radius cut.

Hosebed dividers shall be provided as follows:

- One (1) adjustable divider shall be provided.

HOSEBED LANDING

The hosebed dividers and cover shall stop 15" short provide a landing area behind the hosebed. This area shall be overlayed with brushed stainless steel. Anti-slip coarse grip traction tape shall be applied to this area to meet the NFPA friction coefficient requirements for a stepping surface. The rear edge of the stainless overlay shall include a 1" wide reflective yellow stripe installed to mark the edge. LED lighting shall be provided to light the step area.

HOSEBED HOSE RETENTION

A black D & S brand hosebed cover shall be furnished to cover the hosebed area from the fill tower dunnage area to the back of the hosebed divider. The means of cover fasteners shall be determined at the apparatus pre-construction meeting.

REAR TAILBOARD

The aluminum rear sub structure assembly shall support an (18") wide tail board. The tail board shall be fabricated from an extruded aluminum open grip step material to allow full drainage of water from the platform.



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REAR OF APPARATUS

The rear bulkhead of the apparatus shall be a flat back design to maximize the body compartment space and provide the best visibility of lighting and components on the rear of the body. The rear bulkhead, with the exception of the rear compartment door, shall be chevroned with RED – FLUORESCENT YELLOW – RED diamond grade reflective material in a 6" inverted "V" pattern.

TWO EYES

A pair of rear tow eyes shall be located under the rear of the apparatus. The two eyes shall be water jet cut from 1" thick cold rolled steel bar and attached directly to the chassis frame rails. Forces applied to the rear tow eyes shall be transmitted directly to the chassis frame, not through the body or body subframe.

BODY COMPARTMENTS

The compartment walls and tops shall be constructed from smooth finish (1/2") thick polypropylene sheet stock. The compartment floors shall be constructed from smooth finish (1") thick polypropylene sheet stock. The fabrication and assembly process must provide a smooth painted exterior body. The compartment interiors will be finish painted as specified later in these specifications. All interior seams must be fully welded to assure a proper fit and to keep exterior elements from entering.

SWEEP OUT COMPARTMENT FLOORS

All compartment floors shall sweep out design to provide easy cleaning and maintenance.

TANK AND BODY MOUNTING

The tank and body shall be installed on a fabricated sub-frame / cradle assembly constructed of 6061 T-6 heavy wall structural aluminum tubing and channel. The sub frame / cradle shall be a self-supporting unit and be bolted to the chassis frame. "ECK" shall be applied between the chassis frame and sub frame and between any other dissimilar metals. Structural aluminum cross members shall be provided to properly support the tank bottom as specified by the tank manufacturer. The entire cradle assembly shall be covered with a .25" polyethylene sheet to provide an abrasive free buffering surface between the tank and cradle. Heavy aluminum channel legs shall be provided that extend from the cradle to the undersides of the compartments and body to provide additional support to the body and compartment floors. The tank and body shall be mounted to the cradle and the cradle mounted to the chassis frame. A "breaker strip" of .25" polyethylene shall also be provided between the chassis frame and the aluminum cradle framework.

The sub frame shall be positioned so as to provide a running board height of approximately 22" to 24" when fully loaded.

All truss and hex head bolts used in the assembly and mounting of the sub frame shall be hardened (grade 8) fasteners, zinc or cadmium plated for corrosion resistance.



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The entire sub frame must be designed in a manner so as not to entrap water and cause deterioration of the frame.

The entire body and sub frame shall be completely independent from the chassis frame and shall be designed to allow for removal in the event the chassis needs to be replaced.

AGGRESSIVE WALKING SURFACE

All exterior surfaces designated as stepping, standing, and walking areas shall comply with the required friction coefficient requirements specified in the NFPA 1901 Standard for Automotive Fire Apparatus.

APPARATUS BODY DIAMOND PLATE OVERLAYS AND TRIM

The front bulk head of the pump module shall be overlaid with 3003-H22 bright finish aluminum diamond plate for protection and to conceal module framework and seams. The outer edge of the overlay shall be bent back over the leading edge of the module to provide leading edge corner paint protection to this area.

The front bulk head of the compartments and body shall be overlaid with 3003-H22 bright finish aluminum diamond plate for body protection and to conceal body seams. The outer edge of the overlay shall be bent back over the leading edge of the body to provide leading edge corner paint protection to this area.

The pump module panel compartment tops, outboard of the dunnage risers shall be overlaid with 3003-H22 bright finish, knurled aluminum diamond plate material. The aluminum diamond plate shall form a drip edge for the pump module.

The main body compartment tops, outboard of the hosebed risers shall be overlaid with 3003-H22 bright finish, knurled aluminum diamond plate material. The aluminum diamond plate shall form a drip edge for the body.

INTERLOCKING PLASTIC DRAIN TILES

Turtle Tile drain tiles shall be installed on the apparatus as noted below. The tiles shall be custom fitted to the area specified to protect the entire floor surface from equipment damage. The tiles shall also allow airflow between stored equipment and the surface the tile is installed on. Tiles shall be installed as follows:

- Tiles shall be provided on all compartment floors that are not populated with a floor mounted roll out tray.
- Tiles shall be provided in all roll out trays.
- Tiles shall be provided in all shelves.
- Tiles shall be provided on the floor of the front bumper hosewell.
- Tiles shall be provided on the floor area of the upper module dunnage area.
- Tiles shall be provided on the floor area of the inside the pump panel compartments.



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REAR MUD FLAPS

A pair of heavy duty rubber mud flaps shall be supplied and installed behind the rear wheels of the apparatus. The mud flaps shall be fastened to the apparatus with stainless steel fasteners.

CABINET VENTS

All compartments shall be vented with a 4" diameter louvered and screened vent.

COMPARTMENT SIZES AND LAYOUT

The compartment layout and approximate sizes are shown on our proposal drawing, including door opening sizes.

ROLL-UP COMPARTMENT DOORS - ROM

Each main body compartment shall be supplied with a **ROM GEN IV** PAINTED finish roll up compartment door. Each roll up door shall be provided with:

- Anodized aluminum top trip rail
- Anodized aluminum vertical sills
- Anodized aluminum lower door jamb guards
- Vertical LED compartment lighting **in each** vertical jamb
- Door switching for compartment lights and door-a-jar system

NOTE: Amdor brand doors can be provided as a no charge alternate.

FIXED VERTICAL DIVIDER

A fixed vertical divider shall be provided and installed in the LS1 and the RS1 compartments to vertically divide the larger areas into smaller more useable storage areas. The dividers shall be fabricated from .187 D.A. finished aluminum and bolted in place for easy relocation or removal if needed. The front side of each vertical divider shall include shelf tracks to allow shelving to be installed between the vertical divider and front walls of the LS1 and RS1 compartments.

ROLL UP DOOR COMPARTMENT LIGHTS, LED

LED strip compartment lighting shall be installed in both vertical door jambs of each apparatus body compartment, LS1, LS2, LS3, RS1, RS2, RS3, B1. Each strip light shall cover no less than 80% of the vertical door jamb it is located in. An automatic door jamb switch shall be provided to activate the compartment lighting when the corresponding compartment door is opened.



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ADJUSTABLE SHELVING TRACKS

All apparatus main body compartments supplied with roll-up doors (excluding pump panel areas) shall be supplied with aluminum adjustable shelving tracks. The track system shall allow for mounting and adjustment of shelving or other storage systems with the use of a standard T-nut and bolt. The tracks shall allow shelving adjustment to within 12" of the floor or upper door opening of each compartment.

ADJUSTABLE SHELVING

The apparatus shall be supplied with adjustable aluminum shelving as specified below. Each shelf shall be formed from .187 D.A finished aluminum. Each shelf end shall be supplied with an end cap mounting bracket allowing for easy adjustment, service and repair. Each shelf shall be capable of handling up to 500 pounds of distributed load. A 2" lip shall be provided on the front and back edge of each shelf. The end brackets shall box the ends of each shelf in when installed to provide a pan style shelf with a lip on all four sides. Adjustable shelving locations shall be as follows:

- Eight (8) shelves included. Locations to be finalized at the apparatus pre-construction meeting.

ROLL OUT TRAY(S), FLOOR MOUNTED

The apparatus shall be equipped with 500 pound, 100% extension roll out trays to store department supplied tools and equipment.

Each tray shall be constructed from .187" D.A. finished smooth aluminum with a 2" lip on all four sides.

Each tray shall have two Austin Hardware 7650 Series (or equal), 500 pound "pair capacity", drawer slides installed. Each tray shall also include one Austin Hardware Front Drawer Release system (FDR) installed to the front edge of the tray to allow easy one handed tray operation. Each tray shall lock in the stored and extended position. The roll-out tracks shall be capable of extended to 100% extension and handle up to 500 pounds of distributed load at full extension.

Each tray shall be supplied with red reflective tape on the outer three sides for visibility when extended at night. Tray shall be located as follows:

- Five (5) trays included, one located on each of the following compartment floors: LS1, LS3, RS1, RS3, B1.



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VERTICAL TOOL BOARD(S)

The apparatus shall be equipped with 100% extension vertical tool boards to store department supplied tools and equipment.

Each tool board shall be constructed from .187" aluminum with a DA finish. The use of DA finished aluminum will allow for an unlimited amount of storage combinations and flexibility in mounting brackets.

Each tool board shall have an Austin Hardware 7650 Series (or equal), 500 pound "pair capacity" slide assembly installed, one at the top and one at the bottom of each board. The lower track assembly shall be provided with a lock mechanism to lock the tool board in both the stored and extended positions. The upper and lower roll-out tracks shall be attached to an adjustable track system that will allow the department to adjust the tool board spacing with standard hand tools as needed.

Each tool board shall be supplied with red / white / red DOT reflective tape on outer ends to allow them to be seen when extended from the apparatus at night. Vertical tool boards shall be located as follows:

- Two (2) 100% extension tool board shall be provided and located, one (1) in the LS1 compartment and one (1) in the RS1 compartment.

RUB RAILS

The apparatus body shall be supplied with full length rub rails to protect the lower body. The rub rails shall be constructed from standard 3/8" x 2" aluminum flat bar with a brushed finish. The ends of the flat bar shall be rounded off for a smooth and pleasing appearance. This is required for ease of repair and replacement.

The rails shall be mounted to the body with stainless steel fasteners and nylon spacers to allow tails a space between the body and rails.

FENDERETTES

The rear wheel well openings shall be radius formed and trimmed with polished stainless steel fenderettes.

FENDER LINERS

Each body rear wheel well area shall include a radius inner liner.

REAR ACCESS LADDERS

Two (2) brushed stainless steel top access ladders shall be fabricated and bolted to the rear of the body to provide safe and easy access to the top of the apparatus. The first step of the rear ladder shall be no more than (18") above the tailboard. All ladder rungs shall be an open punch through grip tread. Knurled rungs will not be acceptable.



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REAR FENDER SCBA BOTTLE STORAGE

CPI SCBA bottle storage compartments shall be provided in the rear wheel well areas on the body to provide storage for department supplied SCBA bottles. Each compartment shall be supplied with a bottle neck strap for each bottle, and a gasketed bushed stainless steel door that is positively latched with a trigger latch. The bottle sleeves shall be formed with a material that will not cause damage to steel, aluminum or composite cylinders. The storage compartment sizes and location shall be as follows:

Driver side; forward the rear wheels:

One (1) AD2002 dual bottle compartment shall be provided and installed.

Driver side; behind the rear wheels:

One (1) AD2002 dual bottle compartment shall be provided and installed.

Passenger side; forward the rear wheels:

One (1) AD2002 dual bottle compartment shall be provided and installed.

Passenger side; behind the rear wheels:

One (1) AD2002 dual bottle compartment shall be provided and installed.

The above storage compartments will provide storage for up to (8) SCBA bottles in the rear fenders of the apparatus body.

TRACKS WITH SCBA BRACKETS

Flame Fighter brand or equal SCBA bracket shall be provided and installed as directed below. The brackets shall include two (2) coated spring steel bottle clamps for a 30 minute high pressure SCBA's with 5.25" bottles. Each bracket shall include a yellow safety strap. Each compartment specified for bracket installation shall include horizontal aluminum T-bolt tracks to allow for easy center to center adjustment or removal as needed. Brackets shall be located as follows:

- LS2 – Three (3) brackets shall be located in the driver side over-wheel compartment.
- RS2 – Three (3) brackets shall be located in the driver side over-wheel compartment.



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STORAGE TUNNEL FOR LONG TOOLS & LADDERS

A storage tunnel shall be designed through the center of the tank and body to store the items specified below. The equipment shall load and unload off the rear of the apparatus through the B1 compartment door. A poly divider system shall be provided in the storage tunnel that allows each specified item to be loaded and unloaded from the apparatus without disrupting the other stored equipment in this area. The equipment to be stored shall be as follows:

- Two (2) lengths of 6" x 10'-0" suction hose
- One (1) 24'-0" Duo-Safety 900-A two fly aluminum extension ladder
- One (1) 14'-0" Duo-Safety 775-A aluminum roof ladder with folding roof hooks
- One (1) 10'-0" Duo-Safety 585-A aluminum folding attic ladder
- Two (2) 12'-0" or shorter straight handle pike poles

SUCTION HOSE

Two (2) Kocheck, 6" x 10'-0" (2P601-10) suction hose with NST female long handle swivel x NST male rocker lug.

EXTENSION LADDER

A 24'-0" two-section aluminum Duo-Safety Series 900-A extension ladder shall be provided and delivered with the apparatus.

ROOF LADDER

A 14'-0" aluminum Duo-Safety Series 775-A roof ladder provided and delivered with the apparatus.

FOLDING LADDER

One (1) 10'-0" aluminum Duo-Safety, Series 585-A folding ladder shall be provided and delivered with the apparatus

10' PIKE POLE

One (1) Leatherhead pike pole, 10'-0" (DBL-10AH-B) straight fiberglass handle, Dog Bone (I-beam) with rubber bumper (Hi-Viz Lime) shall be provided with the apparatus at delivery.

6' PIKE POLE

One (1) Leatherhead pike pole, 6'-0" (DBL-6AH-B) straight fiberglass handle, Dog Bone (I-beam) with rubber bumper (Hi-Viz Lime) shall be provided with the apparatus at delivery.



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WATEROUS 15,00 GPM PTO DRIVE PUMP

The pump shall be a PTO driven Waterous CXPA single stage 1,500 GPM pump.

The pump casting shall be a two (2) piece, vertically split design and shall be constructed of high tensile, close grain gray iron. The impeller shaft shall be stainless steel, heat treated, accurately ground to size, and polished under the shaft seal. It shall be supported by oil lubricated ball bearings.

The entire pump shall be assembled and tested at the pump manufacturer's factory. The pump shall be driven by a drive line from the truck transmission.

The pump shall deliver the percentage of rated discharge at pressures indicated below:

Pump Performance:

- 100% of rated capacity @150 PSI net pump press.
- 100% of rated capacity @ 165 PSI net pumps press.
- 70% of rated capacity @ 200 PSI net pump press.
- 50% of rated capacity @ 250 PSI net pump press.

MECHANICAL SEAL ON PUMP

The pump shall be equipped with a self-adjusting, maintenance-free, mechanical shaft seal.

The mechanical seal shall consist of a flat, highly polished, spring fed carbon ring that rotates with the impeller shaft. The carbon ring shall press against a highly polished stainless steel stationary ring that is sealed within the pump body.

In addition, a throttling ring shall be pressed into the steel chamber cover, providing a very small clearance around the rotating shaft in the event of a mechanical seal failure. The pump performance shall not deteriorate, nor shall the pump lose prime, while drafting if the seal fails during pump operation.

Wear rings shall be bronze and easily replaceable to restore original pump efficiency and eliminate the need to replace the entire pump casing due to wear.



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PUMP TRANSMISSION

The pump transmission shall be made of light weight aluminum casing. Power transfer to pump shall be through a pressure lubricated, Morse HY-VO drive chain.

Drive shafts shall be a minimum of 1.50" diameter hardened and ground alloy steel. All shafts shall be ball bearing supported. The case shall be designed as to eliminate the need for water cooling.

The water pump shall be driven by a heavy duty ten (10)-bolt hot shift PTO. It shall be located on the left side of the chassis transmission. This PTO shall be designed specifically for the torque required to drive a 1250 GPM or larger water pump. The PTO size and model shall be specifically matched by Waterous engineering for the chassis transmission and the pump application.

PUMPING MODE

An interlock system shall be provided to ensure that the pump drive system components are properly engaged so that the apparatus can be safely operated. The interlock system shall be designed to allow stationary pumping only.

PUMP SHIFT

A pump shift shall be provided at the pump operators panel with a guarded switch for engagement of the PTO driven pump. The shift shall include the indicator lights as mandated by NFPA. The pump shift control shall be illuminated to meet NFPA requirements. In addition to the NFPA required lighting, a blue LED shall be located near the switch.

AUXILIARY COOLER

A heat exchange cooling system shall be provided to cool the chassis engine with use of the water from the discharge side of the pump. The auxiliary cooler shall be plumbed into the master drain and air blow out system. The auxiliary cooler shall be valve and operated from the pump operator's panel.

INTAKE RELIEF VALVES

Task Force Tips or equal intake relief valves shall be installed on the supply side of the pump and / or any internal intake valves that are not provided with intake pressure protection. Each relief valve shall be capable of being set to a pressure from 75 PSI. to 250 PSI. The valve shall be preset to 125 PSI. The excess water discharge on each valve shall be directed in a safe direction away from the pump operator. The relief valve plumbing shall terminate with a 2.5" MNST fitting. The relief valve discharge shall be labeled "DO NOT CAP"



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PRESSURE GOVERNOR

A ***Fire Research InControl TGA 400*** pressure governor and monitoring display kit shall be installed. The kit shall include a control panel, intake pressure sensor, discharge pressure sensor, buzzer, and cables.

AIR-PRIMER (THREE BARREL) WITH AUTO PRIME

A Trident Emergency Products, LLC Air Prime™ primer system with the “AUTO-PRIME” feature shall be supplied and installed. The primer shall be controlled at the pump panel with a “rocker style” switch. The switch shall include a green light to indicate with the primer is on and in AUTO PRIME mode.

PUMP MANUALS

There shall be a total of two (2) pump manuals provided by the pump manufacturer and furnished with the apparatus. The manuals shall be provided by the pump manufacturer in the form of two (2) electronic copies. Each manual shall cover pump operation, maintenance, and parts.

PLUMBING, STAINLESS STEEL AND HOSE

All inlet and discharge plumbing shall be plumbed with stainless steel weld pipe welded into manifold sections or flexible high pressure rubber hose reinforced with hi-tensile polyester braid. All hose's shall be equipped with brass or stainless steel couplings. All stainless steel hard plumbing shall be a minimum of a schedule 10 wall thickness.

Where vibration or chassis flexing may damage or loosen piping or where a coupling is required for servicing, the piping shall be equipped with victaulic or rubber couplings.

Plumbing manifold bodies shall be ductile cast iron or stainless steel.

SUCTION INLETS

One (1) 6” male NST suction inlet shall be provided on the driver side of the apparatus.

One (1) 6” male NST suction inlet shall be provided on the passenger side of the apparatus.

Both suction inlets shall feed the eye of the pump with a “rams horn” style stainless steel manifold to minimize inlet turbulence.

All 6” suction inlets shall be provided with a die cast zinc screen at the inlet and shall terminate with 6” NST chrome long handle cap (Trident 01.003.0). Each cap shall include a vented thread design that automatically relieves stored pressure in the line when disconnected.



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REAR SUCTION PLUMBING

Plumbing shall be supplied from the pump suction manifold to the rear of the apparatus. The plumbing for the rear suction shall be a minimum of 5" stainless steel pipe. The suction plumbing shall be fabricated in welded manifold sections and installed in the apparatus with the use of grove-lock fittings to relieve stress caused by body and chassis flex during travel.

REAR SUCTION DRAINS

Class One, .75" quarter turn drains shall be provided at all low points of the plumbing.

REAR SUCTION PLUMBING TERMINATION

The suction plumbing shall exit the rear of the apparatus with a chrome 5" FNPT x 6" MNST adapter with screen and 6" NST chrome long handle cap (Trident 01.003.0) with vented thread design that automatically relieves stored pressure in the line when disconnected.

REAR SUCTION INTAKE VALVE

The rear intake shall be valved with a 5" Akron style 7950 body butterfly valve. The valve shall be located inside the pump module. The valve shall be electrically actuated and operated at the driver side pump panel with an Akron 9323 Navigator valve controller.

REAR SUCTION AIR BLEEDER

A Class One, .75" quarter turn air bleeder valve shall be provided at the pump operator's panel to allow the pump operator to bleed the line from the pump operator's position.

REAR SUCTION INLET REMOTE PRIMING VALVE (RPV)

A Trident Emergency Products, LLC Air Prime™ remote priming valve (RPV) shall be supplied and installed on the atmosphere side of the rear intake valve to allow priming of the plumbing before opening the suction valve.

ELECTRIC VALVES & CONTROLLERS

Three (3) electric valves shall be provided on the apparatus in the specified locations. Each valve shall be an Akron brand for uniformity in controller operation. All controllers shall be Akron Navigator controllers. Electric valves on the apparatus shall be as follows:

- Rear suction inlet
- Officer side large diameter discharge
- Deck monitor

All valve controller speeds shall operate within the NFPA guidelines for 3" or larger valve speeds to prevent significant water hammer.



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AKRON IN-LINE BALL VALVES

The apparatus shall be supplied with Akron 8800 series self locking inline discharge ball valves. The valves shall be a swing-out design for quick and easy servicing eliminating the need to remove the valve from the plumbing for service. The valve body shall be constructed of high quality brass and other corrosion resistant materials. The valve ball shall be constructed of 316 stainless steel. The valves seats shall be self-adjusting seats (NO O-RINGS) creating a quality seal capable of holding both pressure and vacuum. The valve handle stop assembly shall be provided that allows the handle to be quickly changed to 8 different positions by removing one bolt reducing service problems and cost. The valves shall be designed to operate at pressures to 250 PSI and meet the NFPA 1901 standards for valve performance.

VALVE WARRANTY

The valves shall be provided with a valve manufacturer 10 year warranty.

DRIVER SIDE 2.5" SUCTION INLET

One (1) 2.5" suction inlet shall be supplied on the left side pump panel. The 2.5" suction inlet shall be provided with chrome NST female swivel with screen, chrome plug and chain. The 2.5" suction valve shall be located behind the left panel and shall be operated manually with a swing handle at the valve. The handle shall extend through the panel. The handle shall be chrome plated with a black ball on the exposed end.

TANK TO PUMP PLUMBING

One (1) tank to pump shall be plumbed between the water tank and pump inlet with 4" plumbing and a rubber flex coupling to accommodate flexing between the tank and pump. A 3" full flow Akron ball valve shall be provided in the plumbed. A check valve shall be provided in the plumbing as required by NFPA. The valve shall be manually actuated at the pump operator's panel with a locking push / pull control.

2" TANK FILL

One (1) 2" tank fill shall be plumbed from the discharge side of the pump into the tank with stainless steel plumbing and Class 1 hose or Victaulic® groove-lock fittings to accommodate flexing between the tank and pump. The tank fill line shall be valved with an Akron 8800 series ball valve. The valve shall be controlled from the pump operator's panel with a locking control. A defuser shall be located inside the tank.



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APPARATUS DISCHARGES

All discharges shall be plumbed in compliance with the National Fire Protection Association's (NFPA) 1901 guidelines for automotive fire apparatus. Each discharge shall be plumbed with stainless steel plumbing and valved with an Akron 8800 series ball valve. All 3" or larger discharge valves shall be provided with a slow close actuator to regulate the speed the valved can be operated as specified by the NFPA. All discharges unless specified otherwise shall be controlled at the operator's panel with a locking valve controller. All discharges terminating on the apparatus that will not be pre-connected shall terminate with a chrome droop snoot adapter with chrome cap and chain. Each panel plumbing cut-out shall be trimmed with a deluxe chrome bezel assembly with color coded inlays and discharge identification. The discharges shall be as follows:

Front bumper discharge: (WATER & FOAM)

- One (1) 2" discharge shall be plumbed to the front bumper. The discharge shall terminate on top of the bumper gravel shield with a 2" NPT to 1.5" MNST chrome swivel.

Driver side:

- Two (2) 2.5" discharge terminating at the driver side pump panel with 2.5" male NST droop fittings with 2.5" caps with chains.

Passenger side:

- One (1) 2.5" discharge terminating at the passenger side pump panel with a 2.5" male NST droop fitting with 2.5" cap with chain.
- One (1) 3" LDH discharge with **Akron electrically actuated valve** terminating at the passenger side pump panel with a 30° 5" Storz fitting with 5" Storz cap with chain.

Speedlay discharges: (WATER & FOAM)

- Two (2) 2" discharges terminating one (1) in the top speedlay hosebed and one (1) in the bottom speedlay hosebed, each with a 1.5" NST swivel.

Hosebed discharge: (WATER & FOAM)

- One (1) 2.5" discharge terminating at the rear of the apparatus. The discharge shall terminate on the passenger side of the rear bulk-head with a 2.5" male NST droop fitting with 2.5" cap with chain.

Deck monitor stand pipe discharge:

- One (1) 3" discharge with **Akron electrically actuated valve** shall be provided and plumbed into the dunnage area of the pump module for future installation of a department supplied deck monitor. The discharge shall terminate in the dunnage area with a 3" Task Force Tips (TFT) 18" Extend-A-Gun (XG18VL-PL). The Extend-A-Gun shall be wired into the equipment a-jar warning system to warn the driver if the monitor is not stored properly when the parking brake is released.



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Booster reel:

- One (1) booster reel discharge shall be provided. The discharge shall be valved with an Akron 1.5", 8800 series ball valve. The discharge shall terminate in the dunnage area favoring the driver side.

INLET AND DISCHARGE BLEEDER DRAINS

All valved inlets and discharges shall be equipped with a .75", Class One "J-hook" lift handle style ball valve drain valve to allow bleeding off excess water or air pressure. Each inlet bleeder shall be color coded and labeled.

MASTER DRAIN

A Trident brand or equal manual master drain manifold shall be provided and installed to drain the pump and plumbing. A tag shall be provided at the drain control identifying the control as "PUMP DRAIN".

VALVE CONTROLS

Unless specified otherwise, each discharge valve shall be controlled with an Innovative Controls side mount valve control assembly. The ergonomically designed handle shall be chrome-plated with recessed areas for name plate and color code. A .75 inch diameter hardcoat anodized aluminum control rod and housing shall, together with a stainless spring steel locking mechanism, eliminate valve drift. Teflon impregnated bronze bushings in both ends of the rod housing shall minimize rod deflection, never need lubrication, and ensure consistent long-term operation. The control assembly shall include a decorative chrome-plated panel-mounting bezel. The valve operating mechanism will indicate the position of the valve at all times.

SPEEDLAYS WITH TRAY

The forward portion of the pump module, ahead of the pump panel there shall be two (2) 1.75" speedlay hose beds. Each bed shall have be plumbed with 2" plumbing as specified above and terminate over the tray with a 1.5" NST swivel. Each swivel shall be located at the top of each speedlay compartment, favoring the right side on the officer's side on the lower lay and the driver side on the upper tray to allow easy access to reattach the hose after loading the packed trays into place. Each hose shall be deployable in either direction.

Each speedlay tray shall be capable of carrying 200 feet of 1.75" double jacketed hose.

A removable tray shall be provided for each speedlay hosebed. Each speedlay trays shall be constructed of D.A. finished aluminum to provide a lightweight sturdy tray. Two (2) hand holes shall be in the floor and additional hand holes shall be provided along the top sides of each tray for easy removal and installation in the speedlay compartment. The floor of each tray shall be slotted to allow for drainage and air flow to aid in hose drying. The bottom of each speedlay area shall be lined with a UHMW material to allow the tray to slide with ease. A LineX coated trim shall be provided on both sides of the tray bay openings to protect the module. A stop shall be provided at the bottom of each opening to retain the tray during hose deployment.



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FOAM PRO 2001

The apparatus shall be equipped with an electronic, fully automatic, variable speed, direct injection, and discharge side foam proportioning system. The system shall be capable of handling Class A foam concentrates and most Class B foam concentrates. The foam proportioning operation shall be based on direct measurement of water flows, and remain consistent within the specified flows and pressures. System must be capable of delivering accuracy to within 5% of calibrated settings over the advertised operation range when installed according to factory standards. The system shall be equipped with a digital electronic control display suitable for installation on the pump panel. Incorporated within the control display shall be a microprocessor that receives input from the system flowmeter(s), while also monitoring foam concentrate pump output. This compares values to ensure that the operator's preset is proportional to the amount of foam concentrate injected into the discharge side of the fire pump.

FOAM SYSTEM TESTING

The apparatus foam system shall be tested and the Water Flow meter shall be calibrated by the CSI Emergency Apparatus prior to delivery.

FOAM CAPABLE DISCHARGES

The foam system shall be plumbed to the following discharges:

- Front bumper discharge
- Upper speedlay discharge
- Lower speedlay discharge
- Rear 2.5" discharge

FOAM TANK

A 30 gallon foam tank with 10" x 10" square fill tower with hinging lid, equipped with a stainless steel butterfly latch, gasket, and pressure/vacuum vent shall be installed. The tank shall be plumbed with non-corrosive piping to the foam system.

A label shall be affixed to the foam tank fill indicating: "WARNING" Class A foam tank fill, do not mix brands or types of foam.

The foam tank shall be integral with the booster water tank provided.

FOAM TANK LEVEL GAUGE

Fire Research TankVision Pro model WLA360-A00 tank indicator kit shall be installed.



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FOAM TANK DRAIN

There shall be a 1" quarter turn drain valve installed to drain the foam tank. The valve shall be installed in the pump house with a drain line extended to the side running board.

The drain line shall be labeled "FOAM DRAIN".

BOOSTER REEL

One (1) Hanny EPF28-25-26-LT electric rewind booster reel with automatic brake shall be provided and installed in the dunnage area of the pump. The reel shall have a capacity for 175-foot of 1" booster hose. The reel shall include a manual rewind device with a manual crank handle mounted near the reel in the dunnage area. The booster reel shall be located to allow the hose to deploy off the right side of the apparatus. The reel shall be recessed in the floor to set it down inside the dunnage area. A Hannay PW-2R flush mount, 4-way roller assembly shall be provided on the driver side wall of the dunnage. An electric rewind button shall be located on the operator's side pump panel.

BOOSTER HOSE AND NOZZLE

The booster reel shall come complete with 150'-0" of 1" Mercedes Boost-Lite discharge hose on the hose reel and one (1) TFT 1" Ultimatic nozzle with pistol grip B-BGH, 10-125 GPM @ 100 PSI full automatic nozzle installed on the hose.

BOOSTER REEL NOZZLE MOUNT

One (1) Performance Advantage Company (PAC) nozzle mount shall be provided and installed on the operator's side allowing the booster line to be easily accessed from the ground level.

PUMP BLOW OUT

An airline shall be plumbed from the chassis air system to the discharge manifold on the fire pump to allow the pump discharge manifold and booster reel to be blown out. The air line shall include a quarter turn valve labeled "PUMP BLOW OUT". A check valve shall also be included in the plumbing to prevent water from being discharged into the air system in the event the blow out valve is left open.

SIDE MOUNT PUMP MODULE

The pump operator's module shall be a side mount operator's design. This design shall position the pump operator on the driver side of the apparatus. The panel shall allow the operator to access all pump controls and gauges in this area while standing on the ground without the need to use steps or running boards.



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PUMP MODULE

The pump module shall be designed to be a free standing module with its own sub frame, super structure and panels. The framing shall be attached directly to the chassis frame. This will allow the pump module to be set in place without requiring it to be tied into the body frame or super structure.

PUMP MODULE & BODY FLEX RELIEF

The fire pump module and apparatus body shall be designed to be two independent structures allowing for flex of the apparatus without creating excessive stress in this area.

ENCLOSED PUMP PANELS

The pump operator's panel and passenger side plumbing panel shall be enclosed behind roll up doors. The doors shall be the same brand doors used on the apparatus body. The plumbing and controls shall be designed such that the doors will close without the need to remove valves or controls. The door brands and specs shall match the apparatus body doors.

PUMP MODULE DUNNAGE AREA

The top of the pump module shall include and open top dunnage area. The dunnage area floor shall be recessed to conceal the specified hose reel and deck monitor to maintain clean body lines. The outer dunnage area walls shall match the width of the hosebed.

DUNNAGE AREA STOKES BASKET STORAGE

A pocket shall be provided in the dunnage area to store a Freno model 71S two piece Stokes Basket. The stokes basked shall be provided with the apparatus at delivery.

PUMP MODULE PAINT

The pump module, exposed module framework, and pump module panel compartments shall be painted to match the apparatus. The inside of the dunnage area shall remain naturel aluminum.

SIDE SERVICE ACCESS PANELS

The lower side plumbing panels on each side of the apparatus shall be removable to provide access to the plumbing and pump area for service.

HINGING GAUGE PANEL, LEFT SIDE

The pump operator's gauge panel (left side) shall be vertically hinge to provide service access to the back side of all gauges and components in this area. Gasketing shall be provided to prevent vibration.

HINGING SERVICE PANEL, RIGHT SIDE

The right side panel area shall be provided with hinge service panel to provide easy inspection and service access. This hinging panel shall be made as large as possible. Gasketing shall be provided on to prevent vibration.



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PANEL MATERIAL AND FINISH

The pump side panels and access doors shall be .187" coated aluminum. The panels shall be coated with a LineX or equal bedliner type coating. The coating color shall be BLACK.

COLOR CODED PANEL TAGS

All identification tags, gauge trim rings, and discharge controls shall be trimmed out and color coded using an Innovative Controls brand deluxe trim package. Color coding and control identification shall be provided at each gauge, control, drain or bleeder, and discharge or intake.

CAB / PUMP MODULE GAP

Some of the new commercial chassis contain components that extend rearward of the back of the cab creating a cab to pump module gap that is larger than typical. A cab to pump module gap valance panel may be required between the module and cab to reduce the visual effect of the gap.

PUMP MODULE LIGHTING

The pump operator's panel and passenger side plumbing panel shall be lit with door jamb mounted LED strip lighting. The lighting shall be provided on each vertical jamb and shall populate at least 80% of the door opening height. The lighting shall come on when the corresponding door is opened.

One (1) 60" LED strip light shall be provided over the pump inside the pump module for pump and valve service. A switch shall be provided inside the hinging officer side pump service access panel.

PUMP MODULE HEATER

The pump module shall be provided with a hot water heater plumbed into the chassis engine coolant system that provides a minimum of 22,000 BTU's of heat in the pump and plumbing area for winter operation. The coolant feed and return lines shall be provided with shut-off valves located in the engine compartment. A switch for operation shall be provided at the operator's panel. A green light shall be provided to indicate when the heater is on.

PUMP MODULE HEAT PAN

The lower area of the pump module, below the chassis frame rails shall be enclosed with a removable aluminum heat pan.



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PUMP OPERATORS PANEL SWITCH PANEL

An Innovative Controls six position switch panel shall be located at the pump operators panel to control lighting and other specified features on the apparatus. This switch panel assembly shall contain weatherproof Carling Tech Contura II switches, LED back lite legends and bezel assembly. The light switches shall be "rocker" type. Switching shall be as follows:

1. BROW LIGHT
2. DRIVER SIDE SCENE
3. REAR SCENE
4. OFFICER SIDE SCENE
5. PUMP HEATER
6. AIR HORN (Switch shall be a RED momentary switch)

PUMP PANEL GAUGES AND CONTROLS

The following gauges and controls shall be provided on the pump panel.

- FRC InControl 400 Pressure Governor and Monitoring Display to include:
 - Master Pressure Discharge Pressure: Large digital read out
 - Digital Pump Intake Pressure: Large digital read out
 - Engine Oil Pressure Gauge: LED bar graph display
 - Engine Water Temperature Gauge: LED bar graph display
 - Transmission Temperature Gauge: LED bar graph display
 - Tachometer: Digital read out
 - Voltmeter: LED bar graph display
- IC switch Panel to include:
 - Horn switch
 - Scene light switching
 - Pump heater switch
- Primer controls for the main primer and rear suction remote primer
- IC manual valve controls for all manual actuated discharge valves
- IC manual valve controls for the tank to pump and tank fill valves
- Akron electric valve controls for the LDD, deck monitor, and rear intake valves
- Discharge gauges for all discharges
- FRC water level gauge
- FRC foam level gauge
- Foam Pro 2001 foam system controller
- IC test ports
- Auxillary cooler valve
- Pump blow out valve
- Air chuck outlet with valve
- Bleeder drain valves (Class One J-hook style)
- Master pump drain
- IC Deluxe color coded trim bezels with tags
- Pump performance test tag
- Pump information and foam system tags



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VACUUM AND PRESSURE GAUGES

The pump vacuum and pressure gauges shall be integrated into the pressure governor system. These shall read pressure and vacuum with the use of the governor transducers eliminating the water lines to the panel reducing the potential of freezing the master panel gauges.

AIR HORN BUTTON

An air horn control button shall be provided at the pump operator's control panel. This button shall be red in color and properly labeled "Evacuation".

ENCLOSED PUMP PANELS

The pump operator's panel and passenger side plumbing panel shall be enclosed behind roll up doors. The doors shall be the same brand doors used on the apparatus body. The plumbing and controls shall be designed such that the doors will close without the need to remove valves or controls. The door brands and specs shall match the apparatus body doors.

2-1/2" DISCHARGE GAUGES

All pressure gauges shall be 2 1/2" diameter gauges. The gauges shall be liquid filled with pulse and vibration dampening inter-lube. Individual line gauges for each discharge shall be supplied and mounted in full compliance with the NFPA 1901 Standard for Automotive Fire Apparatus.

WATER TANK VOLUME INDICATOR

A Fire Research TankVision Pro model WLA300-A00 water tank indicator kit shall be supplied and installed at the pump operators panel. The indicator shall show the volume of water in the tank on nine (9) easy to see super bright RGB LEDs. A wide view lens over the LEDs shall provide for a viewing angle of 180 degrees. The indicator case shall be waterproof, manufactured of Polycarbonate/Nylon material, and have a distinctive blue color coded trim bezel.

The program features shall be accessed from the front of the indicator module. The program shall support self-diagnostics capabilities, self-calibration, six (6) programmable colored light patterns to display tank volume, adjustable brightness control levels and a datalink to connect remote indicators. Low water warnings shall include flashing LEDs at 1/4 tank, down chasing LEDs when the tank is almost empty, and an output for an optional audio alarm.

The indicator shall receive an input signal from an electronic pressure sensor. The sensor shall be mounted from the outside of the water tank near the bottom. No probe shall be placed on the interior of the tank. Wiring shall be weather resistant and have automotive type plug-in connectors.

The gauge shall display in four colors, Full – GREEN, 3/4- BLUE, 1/2- AMBER, 1/4- RED, 1/8 or less - down chasing RED



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TANK LEVEL GAUGE

Fire Research MaxVision model WLA280-A00 remote tank indicator(s) shall be installed and listed below. Each indicator shall show the volume of water in the tank on (96) easy to see super bright Tri-color LEDs. The indicator case shall be waterproof, manufactured of Polycarbonate material with an integrated lens. The package includes a rubber gasket.

Each remote indicator shall receive input information over a datalink from a Fire Research TankVision primary indicator, eliminating the need for external drivers. Each remote indicator shall indicate the level as a single color in red for 25% or less, amber color for up to 50% volume, blue color for up to 75% volume and green color for up to 100% volume. When the level reaches 25%, the red LEDs will begin flashing. When the level is empty, the red LEDs will scroll in a down-chasing motion and then flash three times. The system shall have the program capability to adjust the brightness level for daytime and nighttime viewing.

Water level indicators provided and installed on the apparatus as follows:

- One (1) high on the rear body
- One (1) high on the driver side of the pump module
- One (1) high on the officer side of the pump module

All light modules shall be wired to come on when the chassis park brake is set.

AIR HORNS

A pair of chrome 24" emergency tone air horns shall be provided and installed by the chassis manufacture. The horns shall be located one on each side of the chassis hood. The horns shall be actuated from either the driver or officer's positions with overhead horn lanyards.

WHELEN 295SL SIREN

A Whelen 295SLA1 series siren with microphone shall be furnished and installed in the center console, accessible to both the driver and passenger. The siren shall be a full function siren with a capable output of 200 watts.

The siren shall be wired to be active when the batter switch and the emergency master are both in the on position.

SIREN SPEAKER

Two (2) 100-watt Whelen SA315P, composite speakers shall be provided and installed behind OEM cutouts in the chassis front bumper.



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FEDERAL SIGNAL MECHANICAL SIREN

A Federal Signal Q2B siren shall be provided and installed. The siren shall be wired such that it is only powered when the emergency master switch is activated.

The mechanical siren shall be pedestal mounted on the left outboard front corner of the chassis bumper extension.

The mechanical siren shall be actuated by a three position momentary rocker switch in the console switch panel:

- Up- Siren Actuation
- Center – Natural
- Down – Siren Brake

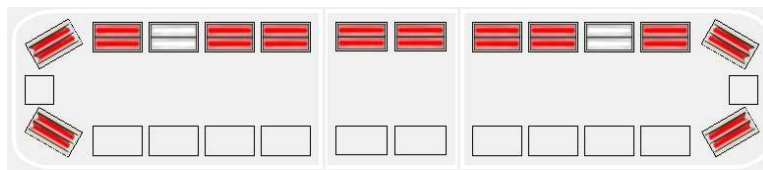
NFPA EMERGENCY LIGHT PROGRAMMING

All emergency lighting shall be provided, installed and wired to comply with the latest edition of the NFPA 1901 Standard for Automotive Fire Apparatus. The lighting shall meet the requirements in all areas including “calling for the right-of-way” or “blocking the right-of-way” conditions. The switch from “calling for the right-of-way” to “blocking the right-of-way” shall happen automatically when the apparatus park brake is set or released.

CAB LIGHT BAR

The upper level emergency zones “A”, “B”, and “D” shall be covered with a cab roof mounted light bar. The light bar shall be permanently mounted on cab roof and switched from the chassis cab switch panel. The light bar shall be as follows:

- Whelen Model: Freedom IV, 60” light bar with all forward, front corner and end LED locations populated for a total of 14 LED flashers (F4N0VLED) with the following added LED flashers:
 - Two (2) outboard Super LED’s – RED (forward positions 1 and 10)
 - Two (2) inboard Super LED’s – RED (forward positions 3 and 8)
 - Two (2) center Super LED’s – RED (forward positions 5 and 6)



- The lens colors shall be clear. The white LED’s shall shut down in the “blocking right-of-way” mode and with the clear light cut-off switch located in the cab switch console.



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LOWER LEVEL EMERGENCY FLASHERS

Whelen M Series Linear Super -LED® red flashers shall be provided and installed as specified below. These lights shall meet the lower level optical warning and optical power requirements of the NFPA. The lights shall be switched from the chassis cab switch panel. These lights shall be installed with chrome flange kits and located as follows:

- Two (2) M6RC, RED LED with clear lenses located in the grill area of the chassis
- Two (2) M6D, split RED/CLEAR LED with clear lenses located in the grill area of the chassis. The clear portion of the lights shall shut down in the “blocking right-of-way” mode and with the clear light cut-off switch located in the cab switch console.
- Two (2) M6RC, RED LED with clear lenses located, one (1) on each side of chassis front bumper extension.
- Two (2) M6RC, RED LED with clear lenses located, one (1) on each side of body over or rearward of the rear wheel centerline.
- Two (2) M6RC, RED LED with clear lenses located in the over the tail lights, one each side of the body.

ADDITIONAL SIDE WARNING LIGHTS

Whelen ION series model WIONSMCD split colored RED/CLEAR LED flashing lights with clear lens provided on the chassis hood, behind the air horns. The lights shall be installed with the white portion of the to the front and red to the rear.

REAR BEACONS, LED

Two (2) L360 series (L31H5FN) Super LED® red rear beacons with clear domes shall be provided and mounted one the driver side compartment tops and one on an passenger side light stanchion at the upper rear corners of the apparatus. These lights shall meet the upper level optical warning and optical power requirements of the NFPA for upper zones “B”, “C”, and “D”. The rear beacons shall be switched from the chassis cab switch panel.

AMBER LED TRAFFIC ADVISOR

A Whelen TAL 85 LED, 8 lamp, 46.87” long traffic advisor shall be located on the apparatus as specified below. The traffic advisor shall be controlled from the cab with its own Whelen TACTLD1 control head. The traffic advisor shall be located as follows:

- The traffic advisor shall be located high on the rear of the apparatus.
- The traffic advisor controller shall be recess mounted in the chassis console.

MISCELLANEOUS HARDWARE

A bag of miscellaneous nuts, bolts, washers, and spring nuts used in the construction of the apparatus body shall be provided and delivered with the apparatus.



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EQUIPMENT

The following equipment shall be provided and delivered with the apparatus:

(Note, some of the items shown below also appear in the specifications. These will not be double ups, the quantity shown below is what will be delivered)

1. Two (2) Kochek 6" x 10'-0" (2P601-10) light weight clear suction hoses with MNST rocker lug fittings on one end and FNST swivel long handle fittings on the other.
2. One (1) Kochek 6" (LL602-1-P07-P18) Big Water low level strainer with 8" tubing and 1.5" NH jet syphon.
3. One (1) Duo Safety series 900-A or equal NFPA compliant 24'-0" two section aluminum extension ladder shall be provided with the apparatus at delivery.
4. One (1) Duo Safety series 775-A or equal NFPA compliant 14'-0" single section aluminum roof ladder with folding hooks on one end shall be provided with the apparatus at delivery.
5. One (1) Duo Safety series 585-A or equal NFPA compliant 10'-0" folding aluminum attic ladder shall be provided with the apparatus at delivery.
6. One (1) Leatherhead pike pole, 10'-0" (DBL-10AH-B) straight fiberglass handle, Dog Bone (I-beam) with rubber bumper (Hi-Viz Lime) shall be provided with the apparatus at delivery.
7. One (1) Leatherhead pike pole, 6'-0" (DBL-6AH-B) straight fiberglass handle, Dog Bone (I-beam) with rubber bumper (Hi-Viz Lime) shall be provided with the apparatus at delivery.
8. Two (2) Streamlight Survivor Right Angle Lights (90509) shall be provided and installed. Each light shall be rechargeable and shall include an orange thermoplastic body and vehicle charger mount system. Mounting location to be determined at the pre-construction meeting.
9. One (1) Ferno Model 71-S or equal two piece basket stretcher (stokes basket)
10. One (1) 100'-0" length of 1" Mercedes Boost-Lite discharge hose installed on the hose reel.
11. One (1) 50'-0" length of 1" Mercedes Boost-Lite discharge hose installed on the hose reel.
12. One (1) TFT 1" Ultimatic nozzle with pistol grip B-BGH, 10-125 GPM @ 100 PSI full automatic nozzle installed on the hose reel.



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DISSIMILAR METALS

Care shall be taken to avoid contact of dissimilar metals in the construction of the apparatus however; it is inevitable that these metals will come in contact in some areas around the apparatus. These areas shall be treated with "ECK" to help prevent dielectric corrosion.

BODY & TANK PAINTING

The apparatus shall be finish painted with DuPont Chroma System Paint. The compartment doors, if painted, shall be painted separately to ensure proper paint coverage on the body edges. The apparatus shall be prepared and painted using the following procedures:

- All surfaces to be painted shall be prepared and cleaned using soap and water. Prep-Sol 3919S or Kwik-Clean 3949S shall be used to remove any tar, wax, polish and grease.
- All surfaces to be painted shall be scuffed using 80 - 150 grit sandpaper. All surfaces shall receive a final wipe using Lacquer and Enamel Cleaner 3939S followed up with Plastic Prep 2319S.
- Two medium wet coats of Adhesion Promoter for Plastics 2322S shall be applied to all surfaces to be painted.
- All surfaces to be painted shall be primed with URO Primer-Filler 1140S. The primer mixture shall contain four (4) parts primer, one (1) part Activator 1125S, one and a half (1.5) parts Converter 1130S, and one-half (.5) parts Flex Additive 2350S.
- Two applications of primer shall be applied. The first application shall be four (4) coats and the second application shall be three (3) coats.
- A final application of sealer shall be applied using URO Primer-Filler 1140S. The sealer mixture shall contain four (4) parts primer, one (1) part Activator 1125S, two (2) parts Converter 1130S and one-half (.5) Flex Additive 2350S.
- The base coat shall be DuPont Chromabase. The paint shall be applied according to DuPont base coat application instructions. The base coat shall be ChromaBase mixed with 5% Flex Additive 2350S.
- The clear coat shall be DuPont ChromaClear. The clear coat shall be applied according to DuPont clear coat application instructions. The clear coat shall be ChromaClear Multi-Use 7500S and mixed with 5% Flex Additive 2350S.

APPARATUS COLOR-TWO TONE

The apparatus body will be **RED lower and GUN METAL GREY upper**. The colors will match the chassis. The two tone paint line on the body is to be determined at the pre-construction meeting.

COMPARTMENT INTERIOR FINISH

The compartment interiors shall be painted with light grey finish Zolatone.



Whitewater Township Fire Dept Pumper Specifications September 5, 2023

TOUCH-UP PAINT

Touch up paint shall be provided.

COMMERCIAL CHASSIS PAINT

The chassis shall be painted two tone by the chassis manufacturer to insure none of the chassis paint warranties are void by the body builder painting the top of the two tone paint.

The two tone paint line shall include the top portion of the cab and hood. The top color shall be gun metal grey. (Paint color to be provided for approval before the chassis order is finalized.)

REFLECTIVE STRIPES

Three (3) reflective stripes shall be provided across the front of the vehicle and along the sides of the body. The reflective band shall consist of a 2" yellow stripe at the top with a 1" gap then a 4" white stripe with a 1" gap and a 2" blue stripe on the bottom.

REAR CHEVRON STRIPING

There shall be alternating RED -FLUORESCENT YELLOW-RED chevron striping applied on the upper rear-facing vertical surface of the apparatus.

The material shall be 3M or equal diamond grade. Each stripe shall 6" in width.

This shall meet the requirements of the current edition of NFPA 1901.

REFLECTIVE STRIPE, CAB DOORS

Each cab door shall include an interior panel that is chevroned meeting the NFPA requirements of 96 square inches.

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A proposal for
C S I Fire Apparatus

Prepared by
D & K TRUCK COMPANY
Mike Denno

Aug 30, 2023

Freightliner M2 106 Plus



Components shown may not reflect all spec'd options and are not to scale



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S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear	Retail Price
Price Level				
PRL-28M	M2 PRL-28M (EFF:MY25 ORDERS)			N/C
Data Version				
DRL-009	SPECPRO21 DATA RELEASE VER 009			N/C
Vehicle Configuration				
001-172	M2 106 PLUS CONVENTIONAL CHASSIS	5,709	3,450	\$114,401.00
004-225	2025 MODEL YEAR SPECIFIED			N/C
002-004	SET BACK AXLE - TRUCK			STD
019-004	STRAIGHT TRUCK PROVISION, NON-TOWING			STD
003-001	LH PRIMARY STEERING LOCATION			STD
General Service				
AA1-002	TRUCK CONFIGURATION			STD
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)			N/C
99D-020	EPA EMISSIONS CERTIFICATION FOR 50 STATE REGISTRATION - CARB EXEMPT, FIRE AND EMERGENCY VEHICLES ONLY (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD OF DRIVER DOOR)			N/C
AF2-998	NO STATE/PROVINCE INITIAL REGISTRATION SELECTED			N/C
A85-020	FIRE SERVICE			N/C
A84-1EV	EMERGENCY VEHICLES BUSINESS SEGMENT			N/C
AA4-002	LIQUID BULK COMMODITY			N/C
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS			STD
AB1-008	MAXIMUM 8% EXPECTED GRADE			STD
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE			STD
995-091	MEDIUM TRUCK WARRANTY			STD
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 14000.0 lbs			



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Data Code	Description	Weight Front	Weight Rear	Retail Price
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 31000.0 lbs			
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 45000.0 lbs			

Truck Service

AA3-027	FIRE TANK/PUMPER - MAIN DRIVELINE DRIVEN SPLIT-SHAFT PTO/PUMP			N/C
	CSI EMERGENCY APPARATUS, LLC			
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in			

Engine

101-3B0	CUM L9 360EV HP @ 2200 RPM, 2200 GOV RPM, 1150 LB-FT @ 1200 RPM, R/F/E	640	30	\$13,596.00
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Electronic Parameters

79A-060	60 MPH ROAD SPEED LIMIT			N/C
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT			N/C
80G-002	PTO MINIMUM RPM - 700			N/C
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH			N/C

Engine Equipment

99C-024	EPA 2010/GHG 2024 CONFIGURATION			STD
13E-001	STANDARD OIL PAN			STD
105-001	ENGINE MOUNTED OIL CHECK AND FILL			STD
014-1BX	SIDE OF HOOD AIR INTAKE WITH NFPA COMPLIANT EMBER SCREEN AND FIRE RETARDANT DONALDSON AIR CLEANER			\$102.00
124-120	LN 12V 320 AMP 4962PGH PAD MOUNT ALTERNATOR	10		\$807.00
292-235	(2) DTNA GENUINE, FLOODED STARTING, MIN 2000CCA, 370RC, THREADED STUD BATTERIES	10		\$13.00
290-017	BATTERY BOX FRAME MOUNTED			STD
281-001	STANDARD BATTERY JUMPERS			STD
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB			STD
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN			STD
289-001	NON-POLISHED BATTERY BOX COVER			STD
293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	2		\$206.00

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Data Code	Description	Weight Front	Weight Rear	Retail Price
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2		\$88.00
306-015	PROGRESSIVE LOW VOLTAGE DISCONNECT AT 12.3 VOLTS FOR DESIGNATED CIRCUITS			STD
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE			STD
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR			STD
131-013	AIR COMPRESSOR DISCHARGE LINE			STD
152-039	GVG, FIRE AND EMERGENCY SERVICE VEHICLES ENGINE WARNING			N/C
128-1AR	CUMMINS ENGINE INTEGRAL BRAKE WITH VARIABLE GEOMETRY TURBO ON/OFF WITH BRAKE LAMPS	20		\$22.00
016-1DC	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE EXITING FORWARD OF REAR TIRES	10	5	\$193.00
28F-014	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND VIRTUAL REGENERATION REQUEST SWITCH IN CLUSTER			STD
239-001	STANDARD EXHAUST SYSTEM LENGTH			STD
237-022	RH HORIZONTAL TAILPIPE, EXIT FORWARD OF REAR TIRES	20	20	N/C
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK			STD
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL			STD
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION			STD
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING			STD
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP			STD
273-058	AIR POWERED ON/OFF ENGINE FAN CLUTCH			STD
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED			STD
110-003	CUMMINS SPIN ON FUEL FILTER			STD
118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER			N/C
266-013	1100 SQUARE INCH ALUMINUM RADIATOR	70		N/C
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT			STD
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT			STD
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES			STD

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Data Code	Description	Weight Front	Weight Rear	Retail Price
270-008	AUXILIARY ENGINE COOLING USING WATER FROM FIRE PUMP			\$833.00
168-002	LOWER RADIATOR GUARD			STD
134-001	ALUMINUM FLYWHEEL HOUSING			STD
132-004	ELECTRIC GRID AIR INTAKE WARMER			STD
155-058	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH			N/C

Transmission

342-1KD	ALLISON 3000 EVS AUTOMATIC TRANSMISSION WITH PTO PROVISION	200	60	\$9,059.00
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Transmission Equipment

343-351	ALLISON VOCATIONAL PACKAGE 246 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODEL EVS			N/C
84B-003	ALLISON VOCATIONAL RATING FOR FIRE TRUCK/EMERGENCY VEHICLE APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES			N/C
84C-022	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 5, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			N/C
84D-022	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 5, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			N/C
84E-017	S5 PERFORMANCE LIMITING PRIMARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			N/C
84F-016	S5 PERFORMANCE LIMITING SECONDARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			N/C
84G-014	2200 RPM PRIMARY MODE SHIFT SPEED			N/C
84H-014	2200 RPM SECONDARY MODE SHIFT SPEED			N/C
84J-003	2ND GEAR ENGINE BRAKE PRESELECT RANGE WITH AGGRESSIVE DOWNSHIFT STRATEGY			N/C
84K-000	ENGINE BRAKE RANGE ALTERNATE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84N-200	FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED			STD
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES			STD
353-075	QUICKFIT BODY LIGHTING CONNECTOR AT END OF FRAME, WITH CAP			\$200.00
34C-011	ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR			\$125.00

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Data Code	Description	Weight Front	Weight Rear	Retail Price
362-824	(2) CUSTOMER INSTALLED CHELSEA 280 SERIES PTO'S			N/C
363-010	PTO MOUNTING, LH SIDE AND TOP RH SIDE OF MAIN TRANSMISSION ALLISON			\$1,621.00
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN			STD
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED			\$254.00
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013			N/C
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK			STD
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK			N/C
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)			STD

Front Axle and Equipment

400-1A9	DETROIT DA-F-16.0-5 16,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE	190		\$1,949.00
402-013	MERITOR 16.5X6 Q+ CAST SPIDER HEAVY DUTY CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			\$68.00
403-026	FIRE AND EMERGENCY SEVERE SERVICE, NON-ASBESTOS FRONT LINING			\$45.00
419-001	CAST IRON OUTBOARD FRONT BRAKE DRUMS			STD
427-001	FRONT BRAKE DUST SHIELDS	5		\$102.00
409-006	FRONT OIL SEALS			STD
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL			STD
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES			STD
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS			STD
536-012	TRW TAS-85 POWER STEERING	40		N/C
539-003	POWER STEERING PUMP			STD
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR			STD
40T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 FRONT AXLE LUBE			\$17.00

Front Suspension

620-026	16,000# TAPERLEAF FRONT SUSPENSION	200		\$1,110.00
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION			STD
410-001	FRONT SHOCK ABSORBERS			STD

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Data Code	Description	Weight Front	Weight Rear	Retail Price
Rear Axle and Equipment				
420-064	RS-30-185 31,000# U-SERIES FIRE/EMERGENCY SERVICE SINGLE REAR AXLE		300	\$7,228.00
421-563	5.63 REAR AXLE RATIO			N/C
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING			STD
386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	20	20	\$141.00
423-010	MERITOR 16.5X7 P CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, CAST SHOES		20	N/C
433-025	FIRE AND EMERGENCY SEVERE SERVICE NON-ASBESTOS REAR BRAKE LINING			N/C
434-011	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)			N/C
451-018	WEBB CAST IRON REAR BRAKE DRUMS		50	N/C
425-002	REAR BRAKE DUST SHIELDS		5	\$65.00
440-006	REAR OIL SEALS			STD
426-100	WABCO TRISTOP D LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS			STD
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS			\$44.00
41T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE			STD
Rear Suspension				
622-1DG	31,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD FOR FIRE/EMERGENCY SERVICE		180	(\$538.00)
621-001	SPRING SUSPENSION - NO AXLE SPACERS			N/C
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP			N/C
623-005	FORE/AFT CONTROL RODS			N/C
Pusher / Tag Equipment				
429-998	NO PUSHER/TAG BRAKE DUST SHIELDS			STD
Brake System				
018-002	AIR BRAKE PACKAGE			STD
490-1AU	WABCO 4S/4M ABS WITH TRACTION CONTROL WITH ATC SHUT OFF SWITCH			\$388.00
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES			STD
904-001	FIBER BRAID PARKING BRAKE HOSE			STD
412-001	STANDARD BRAKE SYSTEM VALVES			STD

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Data Code	Description	Weight Front	Weight Rear	Retail Price
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM			STD
413-002	STD U.S. FRONT BRAKE VALVE			STD
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE			STD
480-088	WABCO SYSTEM SAVER HP WITH INTEGRAL AIR GOVERNOR AND HEATER			STD
483-004	WABCO OIL COALESCING FILTER FOR AIR DRYER			\$11.00
479-012	AIR DRYER MOUNTED UNDER HOOD			N/C
460-1AU	STEEL AIR TANKS MOUNTED AFT INSIDE AND/OR BELOW FRAME JUST FORWARD OF REAR SUSPENSION, NO TRIPLE OR TORPEDO TANKS			\$16.00
477-006	BW DV-2 AUTO DRAIN VALVE WITHOUT HEATER ON ALL TANK(S)			\$82.00
Trailer Connections				
481-998	NO TRAILER AIR HOSE			STD
476-998	NO AIR HOSE HANGER			STD
310-998	NO TRAILER ELECTRICAL CABLE			STD
Wheelbase & Frame				
545-545	5450MM (215 INCH) WHEELBASE			N/C
546-101	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI	220	130	\$532.00
552-028	1525MM (60 INCH) REAR FRAME OVERHANG			N/C
55W-005	FRAME OVERHANG RANGE: 51 INCH TO 60 INCH	10	-40	N/C
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 149.02 in			
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 146.02 in			
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 311.97 in			
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 114.3 in			N/C
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 116.4 in			N/C
553-001	SQUARE END OF FRAME			STD
550-001	FRONT CLOSING CROSSMEMBER			STD
559-003	LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE CROSSMEMBER	-12		\$48.00
561-001	STANDARD CROSSMEMBER BACK OF TRANSMISSION			STD
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)			STD
572-001	STANDARD REARMOST CROSSMEMBER			STD

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Data Code	Description	Weight Front	Weight Rear	Retail Price
565-001	STANDARD SUSPENSION CROSSMEMBER			STD
Chassis Equipment				
556-1AR	THREE-PIECE 14 INCH CHROMED STEEL BUMPER WITH COLLAPSIBLE ENDS	30		\$370.00
558-001	FRONT TOW HOOKS - FRAME MOUNTED	15		\$74.00
585-998	NO MUDFLAP BRACKETS			STD
590-998	NO REAR MUDFLAPS			STD
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS			STD
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS			STD
44Z-005	EXTERIOR HARNESSSES WRAPPED IN ABRASION TAPE, SECONDARY COVERING, & CONNECTOR PROTECTION			\$945.00
489-031	FACTORY INSTALLED BENDIX NEXT GEN SMARTIRE TIRE PRESSURE MONITORING SYSTEM WITH WHEEL RIM MOUNTED NEXT GEN SENSORS AND INTEGRATED IN DASH	6	6	\$347.00
* 601-017	2D DXF/PDF VEHICLE DRAWING BSCHWALM@CSIEA.COM			\$450.00
970-040	TANK BODY 3001 TO 4500 GALLONS			N/C
607-001	CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD			\$218.00
Fifth Wheel				
578-998	NO FIFTH WHEEL			STD
Fuel Tanks				
204-215	50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH	20		\$348.00
218-005	RECTANGULAR FUEL TANK(S)			STD
215-004	POLISHING OF FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS			\$196.00
212-007	FUEL TANK(S) FORWARD			STD
232-515	15 GALLONS ADDITIONAL FUEL			\$150.00
664-004	POLISHED STAINLESS STEEL STEP FINISH			\$273.00
205-001	FUEL TANK CAP(S)			STD
122-1J1	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR, HAND PRIMER AND 12 VOLT PREHEATER"	-5		\$59.00
216-020	EQUIFLO INBOARD FUEL SYSTEM			STD
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE			STD

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Data Code	Description	Weight Front	Weight Rear	Retail Price
Tires				
093-2CC	MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL FRONT TIRES	100		\$736.00
094-1RJ	MICHELIN X WORKS Z 315/80R22.5 20 PLY RADIAL REAR TIRES		200	\$948.00
Hubs				
418-060	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS			STD
450-014	WEBB IRON REAR HUBS		70	N/C
Wheels				
502-356	ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB PILOT 5.99 INSET ALUMINUM FRONT WHEELS	-28		\$482.00
505-356	ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB PILOT 5.99 INSET ALUMINUM REAR WHEELS		-56	\$964.00
524-022	POLISHED DISC SIDE FRONT WHEELS WITH DURA-BRIGHT FINISH			\$170.00
525-023	POLISHED OUTER (DISHED SIDE) REAR WHEELS WITH OUTER ONLY DURA-BRIGHT FINISH			\$200.00
50W-005	BENDIX SMARTIRE TIRE PRESSURE MONITORING SYSTEM WHEEL/RIM MOUNTED SENSORS, FRONT AND REAR AXLES		8	\$378.00
496-011	FRONT WHEEL MOUNTING NUTS			STD
497-011	REAR WHEEL MOUNTING NUTS			STD
498-011	NYLON WHEEL GUARDS FRONT AND REAR ALL INTERFACES			\$32.00
Cab Exterior				
829-071	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB			STD
650-008	AIR CAB MOUNTING			\$97.00
705-012	CAB ROOF REINFORCEMENTS FOR ROOF MOUNTED COMPONENTS	2		\$53.00
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE			\$36.00
678-067	SAFETY YELLOW LH AND RH INTERIOR GRAB HANDLES AND LH AND RH EXTERIOR GRAB HANDLES WITH SINGLE RUBBER INSERT			\$80.00
646-023	HOOD MOUNTED CHROMED PLASTIC GRILLE			\$159.00
65X-003	CHROME HOOD MOUNTED AIR INTAKE GRILLE			\$43.00
644-004	FIBERGLASS HOOD			STD
690-017	HOOD LINER, ADDED FIREWALL AND FLOOR HEAT INSULATION	5		\$158.00

Prepared for:
Mark Brown
C S I Fire Apparatus
2332 Dupont

Grayling, MI 48738
Phone: 989-348-2877

Prepared by:
Mike Denno
D & K TRUCK COMPANY
3020 Snow Rd
LANSING, MI 48917
Phone: 517-449-2329
Mobile:
E-Mail: mdenno@dktruck.com

Data Code	Description	Weight Front	Weight Rear	Retail Price
727-1B1	DUAL 25 INCH ROUND STUTTER TONE HOOD MOUNTED AIR HORNS WITH DUAL LANYARDS	8		\$488.00
726-001	SINGLE ELECTRIC HORN			STD
728-002	DUAL HORN SHIELDS			N/C
575-001	REAR LICENSE PLATE MOUNT END OF FRAME			STD
312-088	LED HEADLIGHT ASSEMBLY AND INCANDESCENT MARKER/TURN LAMP WITH CHROME BEZEL			\$848.00
302-047	LED AERODYNAMIC MARKER LIGHTS			STD
311-001	DAYTIME RUNNING LIGHTS			STD
294-017	INTEGRAL STOP/TAIL/BACKUP LIGHTS WITH 7 EXTRA FEET OF WIRE MOUNTED AT END OF FRAME			\$16.00
300-015	STANDARD FRONT TURN SIGNAL LAMPS			STD
469-014	AUTOMATIC ON/OFF, ENGINE COMPARTMENT, HOOD ACTIVATED WORK LIGHT WITH MANUAL OVERRIDE	1		\$190.00
744-1BC	DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE			\$133.00
797-001	DOOR MOUNTED MIRRORS			STD
796-001	102 INCH EQUIPMENT WIDTH			STD
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS			N/C
74A-001	RH DOWN VIEW MIRROR			\$22.00
729-001	STANDARD SIDE/REAR REFLECTORS			STD
677-055	RH AFTERTREATMENT SYSTEM CAB ACCESS WITH POLISHED DIAMOND PLATE COVER			\$81.00
275-071	PARK BRAKE REMINDER WARNING SYSTEM WITH ONLY LH DOOR OPEN			\$10.00
768-043	63X14 INCH TINTED REAR WINDOW			STD
661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS			STD
654-011	RH AND LH ELECTRIC POWERED WINDOWS			STD
663-013	1-PIECE SOLAR GREEN GLASS WINDSHIELD			STD
659-019	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED			STD

Cab Interior

055-018	ELITE TRIM PACKAGE	N/C
707-106	MIST CLOTH & CARBON VINYL INTERIOR "ELITE"	N/C

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Data Code	Description	Weight Front	Weight Rear	Retail Price
70K-019	CARBON WITH PREMIUM WOOD ACCENT (ELITE)			\$116.00
706-013	MOLDED PLASTIC DOOR PANEL			STD
708-013	MOLDED PLASTIC DOOR PANEL			STD
772-006	BLACK MATS WITH SINGLE INSULATION			STD
785-026	(1)DASH MOUNTED 12V POWER OUTLET (1)DASH MOUNTED DUAL 2.1 AMP USB-C CHARGER			\$42.00
691-001	FORWARD ROOF MOUNTED CONSOLE			STD
693-035	LH AND RH KICKPLATES			\$131.00
738-021	DIGITAL ALARM CLOCK IN DRIVER DISPLAY			STD
742-007	(2) CUP HOLDERS LH AND RH DASH			STD
680-029	M2/SD DASH			STD
700-002	HEATER, DEFROSTER AND AIR CONDITIONER			STD
701-008	STANDARD HVAC DUCTING WITH SNOW SHIELD FOR FRESH AIR INTAKE			\$27.00
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH			STD
170-045	STANDARD HEATER PLUMBING WITH BALL SHUTOFF VALVES AT SUPPLY LINES ONLY			\$16.00
130-041	VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR			STD
702-002	BINARY CONTROL, R-134A			STD
739-034	PREMIUM INSULATION			\$187.00
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES			STD
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM			STD
324-1B3	STANDARD LED CAB LIGHTING			STD
787-998	NO SECURITY DEVICE			(\$300.00)
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME			STD
78G-004	KEY QUANTITY OF 4			\$18.00
655-028	LH AND RH ELECTRIC DOOR LOCKS WITH AUTO UNLOCK FEATURE WHEN DOOR IS SET FROM OPEN TO CLOSED POSITION			\$23.00
756-1E7	SEATS INC 911 UNIVERSAL SERIES HIGH BACK AIR SUSPENSION DRIVER SEAT WITH NFPA 1901-2009/2016 COMPLIANT SEAT SENSOR	50		\$566.00
760-1E7	SEATS INC 911 UNIVERSAL SERIES HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH NFPA 1901-2009/2016 COMPLIANT SEAT SENSOR	40	15	\$503.00
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS			STD

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2332 Dupont

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LANSING, MI 48917
Phone: 517-449-2329
Mobile:
E-Mail: mdenno@dktruck.com

Data Code	Description	Weight Front	Weight Rear	Retail Price
758-143	RUGGED CLOTH BLACK WITH GRAY DRIVER SEAT			\$78.00
761-143	RUGGED CLOTH BLACK WITH GRAY PASSENGER SEAT			\$74.00
763-105	NFPA 1901-2009 HIGH VISIBILITY ORANGE SEAT BELTS			\$132.00
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN			STD
540-070	4-SPOKE 18 INCH (450MM) LEATHER WRAPPED STEERING WHEEL WITH CHROME SWITCH BEZELS			\$124.00
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS			STD
67E-006	INTERFACE CONNECTORS AND WIRING FOR CUSTOMER PROVIDED LED STEP LIGHTING			\$195.00

Instruments & Controls

106-002	ELECTRONIC ACCELERATOR CONTROL			STD
734-024	INTEGRATED UPPER & LOWER STORAGE PANELS			STD
87L-001	ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK			N/C
870-002	BRIGHT ARGENT FINISH GAUGE BEZELS			\$1.00
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM			STD
840-001	DUAL NEEDLE PRIMARY AND SECONDARY AIR PRESSURE GAUGE			STD
198-003	DASH MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS			\$25.00
721-003	87 DECIBELS TO 112 DECIBELS AUTOMATIC SELF-ADJUSTING BACKUP ALARM		3	\$72.00
149-015	ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING WHEEL SPOKES			STD
156-020	IGNITION SWITCH WITH NON REMOVABLE KEY			\$3.00
811-044	PREMIUM INSTRUMENT CLUSTER WITH 5.0 INCH TFT COLOR DISPLAY			STD
81B-004	PANEL LAMP DIMMER SWITCH IN SWITCH PANEL			\$11.00
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH			STD
844-001	2 INCH ELECTRIC FUEL GAUGE			STD
148-073	ENGINE REMOTE INTERFACE FOR REMOTE THROTTLE			\$134.00

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Data Code	Description	Weight Front	Weight Rear	Retail Price
48H-001	QUICKFIT POWERTRAIN INTERFACE CONNECTOR LOCATED BETWEEN SEATS WITH CAPS			\$77.00
4C0-998	NO ADDITIONAL EXTRA SWITCH ACCUATORS			STD
163-014	ENGINE REMOTE INTERFACE CONNECTOR AT POWERTRAIN INTERFACE CONNECTOR			N/C
866-018	DIGITAL SINGLE REAR AXLE TEMPERATURE IN DRIVER DISPLAY WITH SENSOR SHIELD			\$53.00
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE			STD
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE			\$30.00
867-004	ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER			STD
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY			STD
372-123	PTO CONTROLS FOR ENHANCED VEHICLE ELECTRIC/ELECTRONIC ARCHITECTURE			\$40.00
736-998	NO OBSTACLE DETECTION SYSTEM			(\$4,324.00)
72J-998	NO DR ASSIST SYSTEM			(\$32.00)
49B-006	ELECTRONIC STABILITY CONTROL,4X2 W/SAFETY MIN BODY WEIGHT EXCEEDS 4,000LBS REQ			STD
73B-998	NO LANE DEPARTURE WARNING SYSTEM			(\$1,080.00)
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE			STD
786-119	NFPA VEHICLE DATA RECORDER AND SEATBELT DISPLAY			\$1,008.00
746-137	AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH, USB AND AUXILIARY INPUTS, J1939			STD
747-001	DASH MOUNTED RADIO			STD
750-002	(2) RADIO SPEAKERS IN CAB			STD
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF			STD
74D-006	STANDARD RADIO WIRING WITH STEERING WHEEL CONTROLS			STD
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER			STD
817-001	STANDARD VEHICLE SPEED SENSOR			STD
812-001	ELECTRONIC 3000 RPM TACHOMETER			STD
813-1C8	DETROIT CONNECT PLATFORM HARDWARE			STD

Prepared for:
Mark Brown
C S I Fire Apparatus
2332 Dupont

Grayling, MI 48738
Phone: 989-348-2877

Prepared by:
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LANSING, MI 48917
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Mobile:
E-Mail: mdenno@dktruck.com

Data Code	Description	Weight Front	Weight Rear	Retail Price
8D1-303	3 YEARS DAIMLER CONNECTIVITY BASE PACKAGE (FEATURES VARY BY MODEL) POWERED BY DETROIT CONNECT			STD
6TS-005	TMC RP1226 ACCESSORY CONNECTOR LOCATED BEHIND PASSENGER SIDE REMOVEABLE DASH PANEL			STD
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP			STD
81Y-005	PRE-TRIP INSPECTION FEATURE FOR EXTERIOR LAMPS ONLY			\$12.00
264-032	(2) OVERHEAD MOUNTED LANYARD CONTROLS: (1) OFFICER AIR HORN AND (1) DRIVER AIR HORN			\$82.00
883-998	NO TRAILER HAND CONTROL BRAKE VALVE			STD
842-006	DIGITAL TURBO AIR PRESSURE IN DRIVER DISPLAY			N/C
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY			STD
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY			STD
304-030	ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT FOR OPTIONAL FOG/ROAD LAMPS			N/C
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR			STD
299-020	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT			STD
298-046	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH 40 AMP (20 AMP PER SIDE) TRAILER LAMP CAPACITY			STD

Design

*	065-902	TWO COLOR CUSTOM PAINT	\$1,426.00
	065-376		

Color

980-5V4	CAB COLOR A: L0280EY GUNMETAL MET ELITE EY	N/C
981-2L4	CAB COLOR B: L2225EY CANDY APPLE RED ELITE EY	N/C
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT	STD
969-998	NO CAB/BODY EXTERIOR DECALS	STD
963-003	STANDARD E COAT/UNDERCOATING	STD

Prepared for:
Mark Brown
C S I Fire Apparatus
2332 Dupont

Grayling, MI 48738
Phone: 989-348-2877

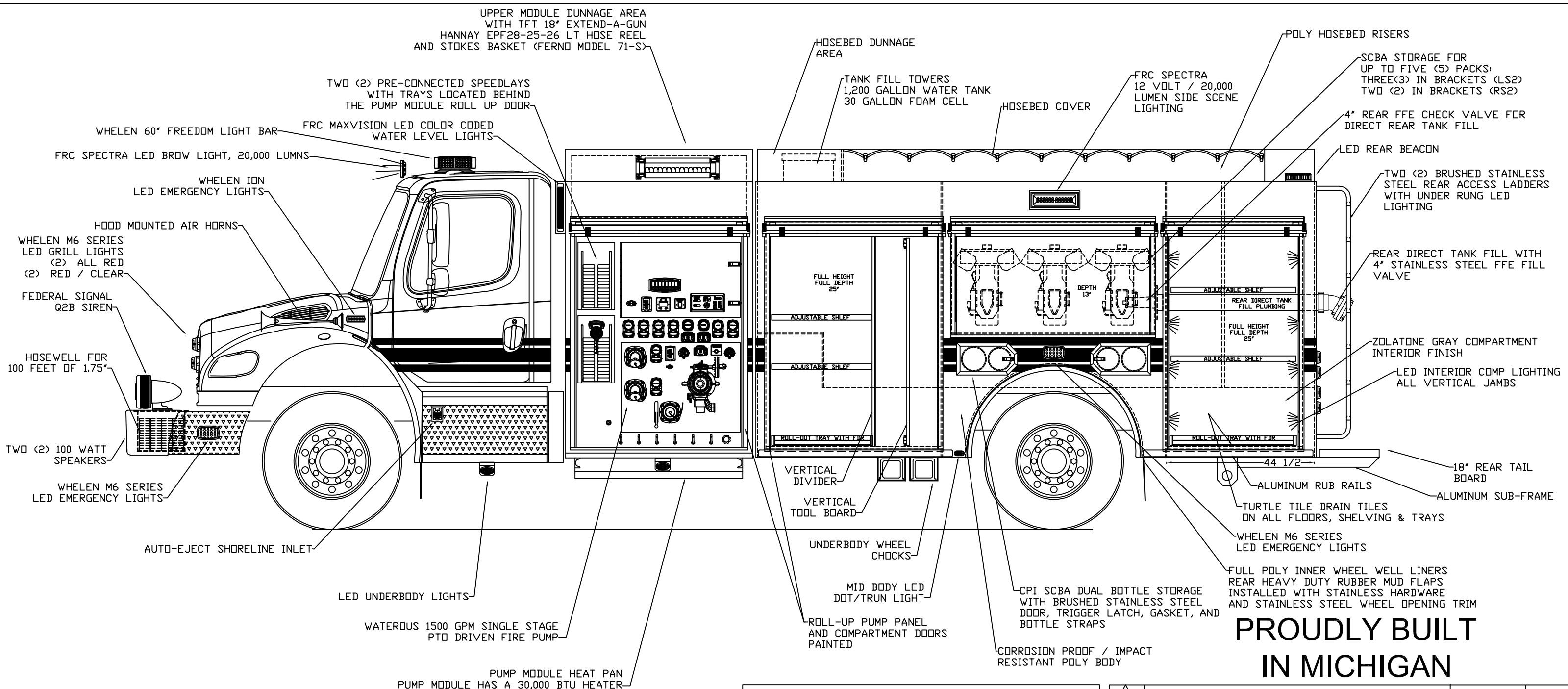
Prepared by:
Mike Denno
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LANSING, MI 48917
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Mobile:
E-Mail: mdenno@dktruck.com

Data Code	Description	Weight Front	Weight Rear	Retail Price
Certification / Compliance				
996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS			STD

Weight Summary				
	Weight Front	Weight Rear	Total Weight	
Factory Weight ⁺	7610 lbs	4476 lbs	12086 lbs	
Dealer Installed Options	0 lbs	0 lbs	0 lbs	
Total Weight ⁺	7610 lbs	4476 lbs	12086 lbs	

Other Factory Charges				
PMV-024	GHG24 SURCHARGE - CUMMINS			\$555.00
PNV-998	NO CARB24 PRICING IMPACT			N/C
RD1-303	3 YRS DAIMLER CONNECTIVITY BASE PKG (VARY BY MODEL) POWERED BY DETRIOT CONNECT			STD
RAC-42N	M2/SD PLUS ESCALATOR			\$750.00
RAG-020	CUMMINS TARIFF CHARGE - \$205			\$205.00
RAU-025	MY25 ESCALATOR			\$1,500.00
RFY-022	FRONT TIRE SURCHARGE			\$130.00
RFU-022	REAR TIRE SURCHARGE			\$260.00
P73-2FT	STANDARD DESTINATION CHARGE			\$3,375.00

Extended Warranty				
WAI-47D	CUM 2017 L9: HD1 MD DTY 3 YEARS / 100,000 MILES / 161,000 KM EXTENDED WARRANTY. FEX APPLIES			\$545.00
WAX-097	CUM 2017 L9: AT3 MD DTY 3 YEARS / 100,000 MILES / 161,000 KM AFTERTREATMENT. FEX APPLIES			\$370.00
WBB-343	TC4: MD MODERATE 3 YEARS/100,000 MILES / 161,000 KM EXTENDED TRUCK COVERAGE. FEX APPLIES			\$670.00
Currency Exchange Rate				1.0000
Total Extended Warranty (Local Currency)				\$1,585.00

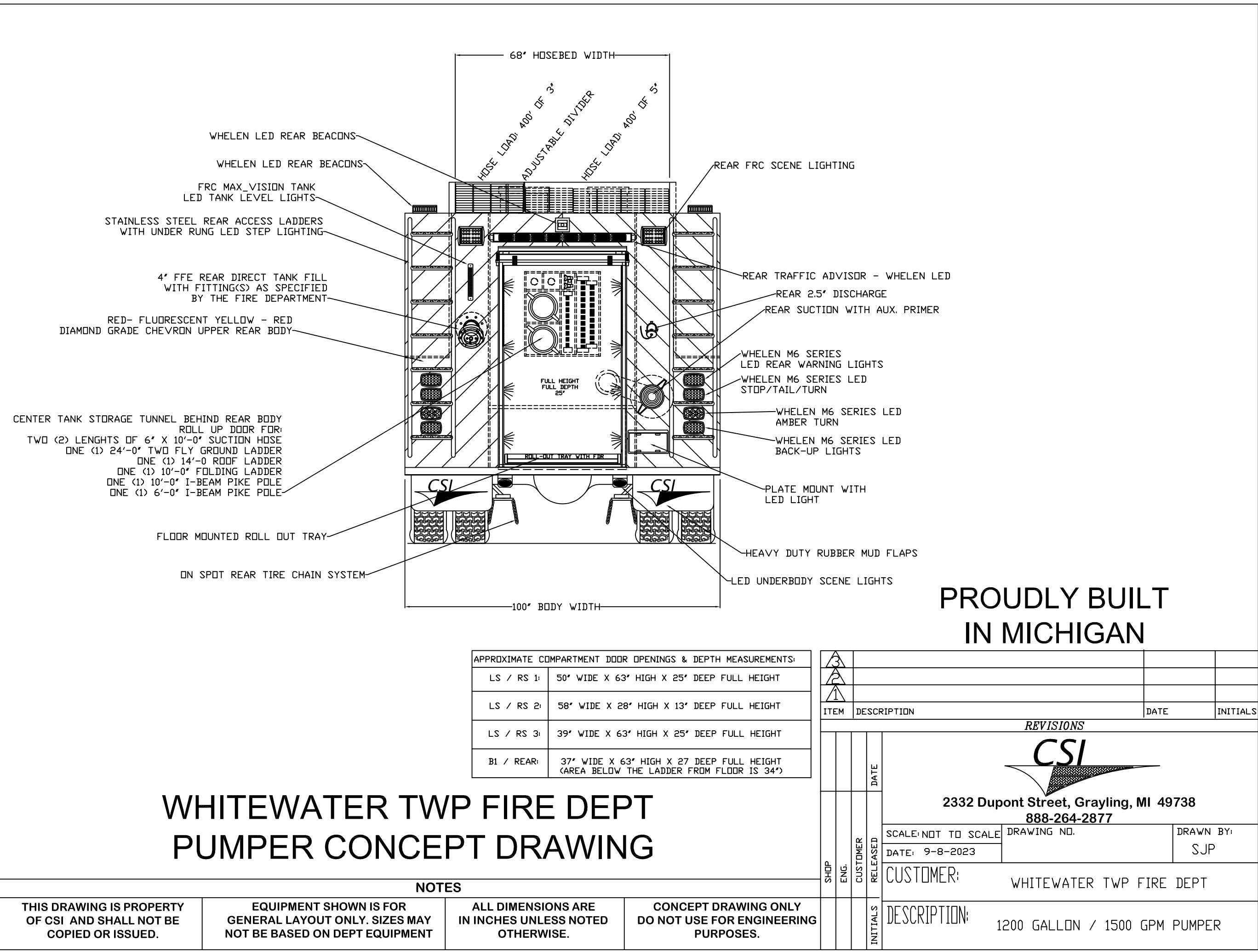


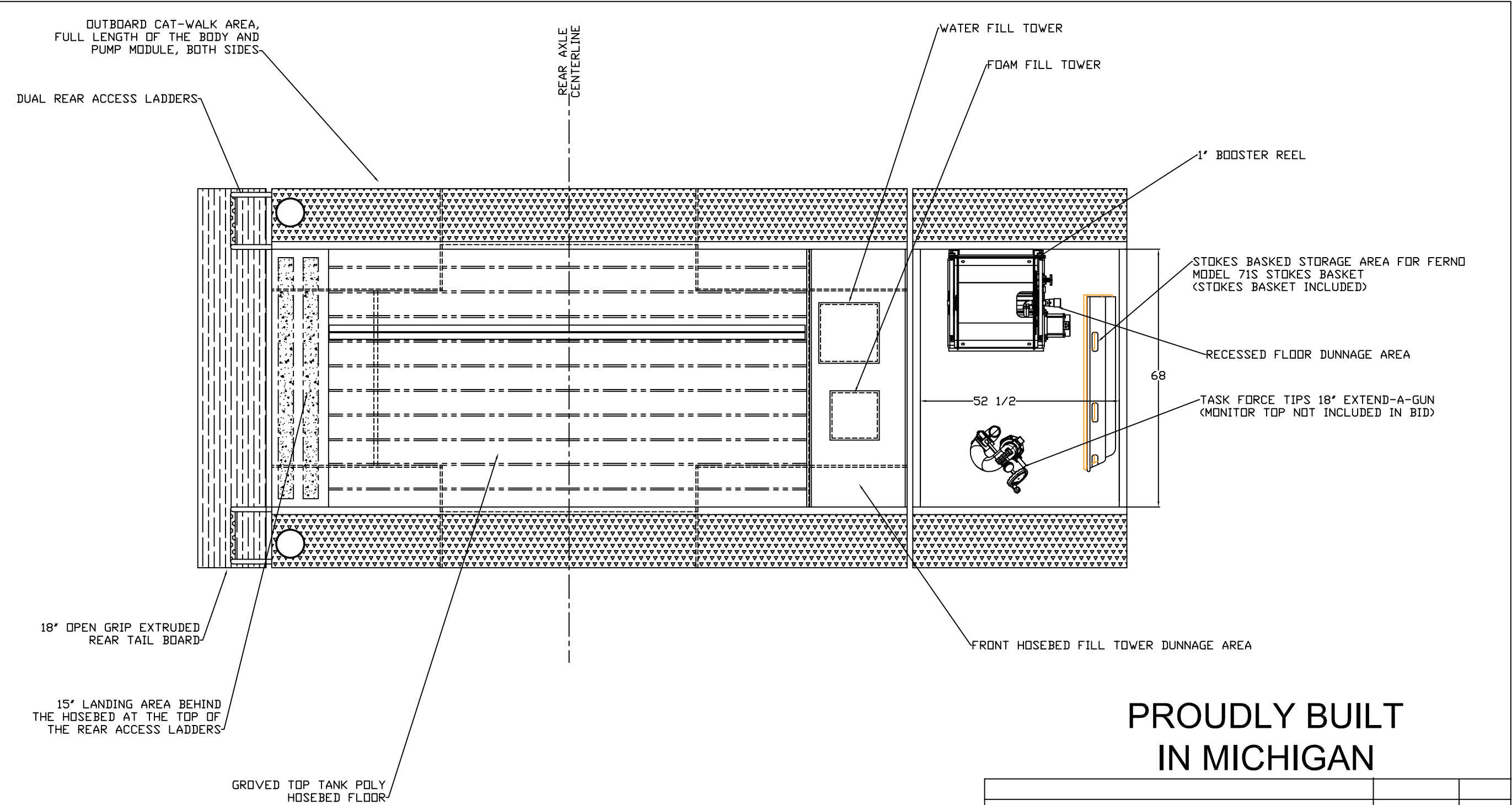
WHITEWATER TWP FIRE DEPT
PUMPER CONCEPT DRAWING

APPROXIMATE COMPARTMENT DOOR OPENINGS & DEPTH MEASUREMENTS:	
LS / RS 1:	50' WIDE X 63' HIGH X 25' DEEP FULL HEIGHT
LS / RS 2:	58' WIDE X 28' HIGH X 13' DEEP FULL HEIGHT
LS / RS 3:	39' WIDE X 63' HIGH X 25' DEEP FULL HEIGHT
B1 / REAR:	37' WIDE X 63' HIGH X 27' DEEP FULL HEIGHT (AREA BELOW THE LADDER FROM FLOOR IS 34')

PROUDLY BUILT
IN MICHIGAN

NOTES				S	E	C	R	CUSTOMER:	WHITEWATER TWP FIRE DEPT
THIS DRAWING IS PROPERTY OF CSI AND SHALL NOT BE COPIED OR ISSUED.	EQUIPMENT SHOWN IS FOR GENERAL LAYOUT ONLY. SIZES MAY NOT BE BASED ON DEPT EQUIPMENT	ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE.	CONCEPT DRAWING ONLY DO NOT USE FOR ENGINEERING PURPOSES.					DESCRIPTION:	1200 GALLON / 1500 GPM PUMPER





WHITEWATER TWP FIRE DEPT PUMPER CONCEPT DRAWING

PROUDLY BUILT
IN MICHIGAN

		DATE	INITIALS
REVISIONS			
<div><div>CSI</div><div>2332 Dupont Street, Grayling, MI 49738</div><div>888-264-2877</div></div>			
SHOP	ENG.	CUSTOMER	DATE
INITIALS	SCALE: NOT TO SCALE		DRAWING NO.
	DATE: 9-8-2023		
		DRAWN BY: SJP	
CUSTOMER:		WHITEWATER TWP FIRE DEPT	
DESCRIPTION:		1200 GALLON / 1500 GPM PUMPER	

NOTES

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Memo

To: Whitewater Township Board of Trustees

CC: None

Date: 10.16.2023

Re: Fire Truck Funding

Board Members –

This memo is presented to provide a *quick overview* of the budget items that were adopted during the budget public hearing process and what amounts, if any are still available to fund the proposed new engine.

The 2023/2024 budget Fire Fund set aside an unallocated 18K for line item 970 Capital Expense.

1) Fire Fund Line 970	\$18K
Expenses thus far, Hurst Vetter	<u>\$ 5K</u>
Remaining	\$10K

The 2023/2024 budget Fire Capital Improvement Fund set aside \$105K - New Brush Truck \$3.5K - Chiefs Vehicle, \$200K - Down Payment on New Fire Engine.

2) Fire Capital Fund line 970	\$308,500K
8.31.2023 9K brush truck lights	(\$ 9K)
9.30.2023 70K (unknown)	<u>(\$ 70K)</u>
Remaining	\$229,500K

The following pages represent three possible forms of financing the purchase. They are a USDA loan, a lease, and an offer from Rev Financial Services.

Respectfully submitted,



Whitewater Township FOIA Coordinator
Supervisor, Whitewater Township



Ron Popp <supervisorwhitewater@gmail.com>

Fwd: Re: USDA Loan

1 message

Brandon Flynn <firechief@whitewatertownship.org>
To: Ron Popp <supervisorwhitewater@gmail.com>

Thu, Oct 5, 2023 at 1:39 PM

Here is some information on the USDA Loan/Cherryland loan program that you sent me. Looks like a lot of work, but of course it is the Federal Government.

For the standard loan, have you had a chance to crunch any numbers?

Thanks!

----- Original Message -----

From: Rachel Johnson <RJohnson@cherrylandelectric.coop>

To: "firechief@whitewatertownship.org" <firechief@whitewatertownship.org>

Cc: Dawn Garrock <DGarrock@cherrylandelectric.coop>, Mark Wilson <MWilson@cherrylandelectric.coop>

Date: 10/04/2023 4:53 PM

Subject: Re: USDA Loan

Hi Brandon,

Thanks for your patience, we were running down some options for you now that we better understand your project costs. Here are two options:

OPTION 1: We can work with you on an application through USDA that would allow us to access NEW dollars. This would allow us to get you \$360,000 interest free - \$300,000 through USDA and \$60,000 through Cherryland. However, it would require a more onerous application process as we would have to apply jointly to USDA for their portion. Once approved, your repayments would come to Cherryland and then we would add those new dollars to our revolving loan fund for future relending. These applications are considered quarterly by USDA and the next application deadline is January 2nd. In our experience the process takes about 6 months after filing the application to have cash in hand. It can be quicker, that's probably your worst case scenario. This option is more work (for you and us) but would get you full funding and we have a very good relationship with USDA so I am confident we would be successful. One caveat – you cannot sign the contract for the truck until we put in the application, which we can do any time before the Jan. 2 deadline. So, for example, if we can get the application together by Nov. 10, you could sign the contract for the truck on Nov. 11. If this is what you want to do, I would like to have my board pass a resolution of support this month which means I need to know by Monday, Oct. 16.

OPTION 2: You can come to our board with an application for our existing revolving loan fund. Application deadline is the first of the month, so the soonest I could get you on the board agenda is November. We won't have anywhere close to \$350,000. Our board is considering an application this month so I will have firmer numbers after I know what their decision is on funding that loan. But, I am guessing we will have about \$100,000 available in November. So, the advantage with this option is an easier application process and shorter timeline but the disadvantage is that we would only be able to provide partial funding.

Let me know if you would like to set up a time to discuss this. Or, if you have a strong sense of what you want to do, I can share with you next steps for that process.

Looking forward to hearing back from you and working with you on financing your new truck.

--

Rachel Johnson

(c) 231.620.9591

From: "firechief@whitewatertownship.org" <firechief@whitewatertownship.org>
Date: Tuesday, September 26, 2023 at 4:17 PM
To: Rachel Johnson <RJohnson@cherrylandelectric.coop>
Cc: Dawn Garrock <DGarrock@cherrylandelectric.coop>, Mark Wilson <MWilson@cherrylandelectric.coop>
Subject: RE: USDA Loan

CAUTION: This email originated from outside of **Cherryland Electric Cooperative**. Do not click links or open attachments unless you recognize the sender and know the content is safe. If suspicious, please use **PhishAlert** to report.

Hi Rachel,

Whitewater Township has just completed the sealed-bid process for a new pumper truck to replace our aging current truck. We have tentatively decided to go with a vendor that we have worked with in the past and their price is \$550,000.00.

The Township has saved approximately \$200,000.00 so we are planning on financing \$350,000.00.

My operating budget comes from a Special Assessment District that has previously been levied at 1 mill which is expected to bring in \$262,000.00 this fiscal year. The Township Board has agreed to increase the SAD to 1.5 mills with the additional .5 dedicated to the purchase of a new fire engine. This gives me \$131,000.00 annually to make payments, so the funding is in place. Lending estimates have approximately 6 – 7% interest rates, which is feasible, however, if we were able to take advantage of one of your programs it would work well for everyone involved.

We purchased a new tanker truck in 2020 and paid cash for it. We were on track to do the same for a new pumper truck until the COVID shut-down so financing is our only option. Now we are trying to hurry to purchase this truck before the new diesel emissions takes effect in 2027, which is estimated to add an addition \$50,000 to a commercial vehicle. I'm sure Cherryland is bracing for this financial hit too.

Anyway, that is my story & of course these numbers will need to be refined.

I have attached a rendering of the new pumper truck that was proposed.

Thank you for your time,



BRANDON FLYNN
FIRE CHIEF

231-267-5969

firechief@whitewatertownship.org

Whitewater Township Fire Department
8380 Old M 72, PO Box 9
Williamsburg, MI 49690

www.whitewatertownship.org

From: Rachel Johnson <RJohnson@cherrylandelectric.coop>

Sent: Tuesday, September 26, 2023 2:48 PM

To: firechief@whitewatertownship.org

Cc: Dawn Garrock <DGarrock@cherrylandelectric.coop>; Mark Wilson <MWilson@cherrylandelectric.coop>

Subject: Re: USDA Loan

Hi Brandon,

Thank you for reaching out regarding the loan program. I would love to learn a little more about your project and what you are looking for. We currently have about \$300,000 available, but we have applications in progress for most of that. How much are you looking to borrow and when would you need the funds? We may be able to work with you on partial funding or support you in an application to USDA to increase our loan fund amount to accommodate full funding of your project.

Once I have a little more info from you, let's set up a time to chat to discuss the options and figure out what is the best fit to help you fund your fire truck.

--

Rachel Johnson

Chief Executive Officer

Cherryland Electric Cooperative

[5930 US 31](#) South | PO Box 298 | Grawn | MI | 49637

231.486.9275 | Office

231.620.9591 | Cell



From: firechief@whitewatertownship.org <firechief@whitewatertownship.org>
Sent: Tuesday, September 26, 2023 8:36 AM
To: Dawn Garrock <DGarrock@cherrylandelectric.coop>
Subject: USDA Loan

You don't often get email from firechief@whitewatertownship.org. [Learn why this is important](#)

CAUTION: This email originated from outside of **Cherryland Electric Cooperative**. Do not click links or open attachments unless you recognize the sender and know the content is safe. If suspicious, please use **PhishAlert** to report.

Hi Dawn,

I recently read the article about the REDLG program and would like more information.

We have a *shovel ready* project right now to purchase a new fire truck here in Whitewater Township and wondered if we would qualify.

Thank you for your time,



BRANDON FLYNN
FIRE CHIEF

231-267-5969

firechief@whitewatertownship.org

Whitewater Township Fire Department
8380 Old M 72, PO Box 9
Williamsburg, MI 49690

www.whitewatertownship.org

BRANDON FLYNN, FIRE CHIEF



Whitewater Township Fire Department

8380 Old M72

Williamsburg, MI 49690

p. 231.267.5969 f. 231-267-5903

e. firechief@whitewatertownship.org

LEASE FINANCING PROPOSAL



Lessee

Whitewater Township, MI

Vendor

CSI Emergency Fire Apparatus

Proposal Date:	October 10, 2023					
Equipment Description:	(1) CSI Build Truck					
Commencement Date:	November 15, 2023					
	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
Equipment Cost:	\$549,719	\$549,719	\$549,719	\$549,719	\$549,719	\$549,719
Lessee Down Payment:	<u>\$188,000</u>	<u>\$188,000</u>	<u>\$175,000</u>	<u>\$175,000</u>	<u>\$150,000</u>	<u>\$150,000</u>
Amount Financed:	\$361,719	\$361,719	\$374,719	\$374,719	\$399,719	\$399,719
Lease Term:	3 Years	5 Years	3 Years	5 Years	3 Years	5 Years
First Payment Date:	11/15/2024	11/15/2024	11/15/2024	11/15/2024	11/15/2024	11/15/2024
Payment Frequency:	Annual	Annual	Annual	Annual	Annual	Annual
Lease Rate:	5.98%	5.86%	5.98%	5.86%	5.98%	5.86%
Payment Amount:	\$135,281.32	\$85,539.87	\$140,141.71	\$88,608.94	\$149,491.46	\$94,524.50

Qualifications:

1. **Pricing:** This is a lease proposal for the payment stream(s) indicated above. If any of the information identified above are not correct, please advise us so that we can determine if a new proposal is required. Other important elements of this proposal are:

a) **Rate Expiration:** Due to the current increasing rate markets, this proposal is valid under the following circumstances:

- The award is received within 14 days of the Proposal Date.
- The transaction is closed within 45 days off the Proposal Date.

If you are unable to award within 14 days, please contact us prior to your decision meeting date and we will provide a current proposal.

b) **Closing Costs:** There will be no up-front costs of any kind charged by Lessor including closing costs, points, administrative costs, etc. Your attorney may charge you to review the lease documents and complete the opinion letter required with our lease documentation.

c) **Fixed Rates:** Rates for ten (10) years and under are fixed for the entire term. Terms over ten years have a one time rate adjustment after ten (10) years to the then current interest rates for the remaining term.

2. **Type of Lease:** This is a lease-purchase type of financing. After all the lease payments are made, Lessee will own the equipment without further cost.

3. **Financial Reporting:** All city, county and tax districts (including fire districts) will be expected to provide GAAP audited financial reports. All non-profit corporations (vfd's) will be expected to provide IRS 990 federal tax returns. If you do not maintain these types of financial reports, please contact us to discuss.

4. **Vendor Payable / Escrow Account (where applicable):** Proceeds of this lease will be held in a vendor payable account until delivery/acceptance. Projected escrow earnings have been pre-applied to reduce Lessee interest rate. There will be no escrow earnings payable to Lessee.

5. **Credit Approval and Documentation:** This is a proposal only, and does not represent a commitment to lease. This financing is subject to credit review and approval and execution of mutually acceptable documentation, including the opinion of lessee's counsel opining that the agreement is legal, valid and binding, obligation of Lessee.

Financing by:

Contact:

Phone:

Email:

Web:

Leasing 2, Inc.

Rick Carney

813-258-9888 x16

rcarney@leasing2.com

www.leasing2.com



REQUEST TO PROCEED:

When you are ready to proceed with Leasing 2 towards finalizing this lease financing arrangement, please indicate so by signing below and completing the requested information. We will immediately email you our application. Thank you for your confidence and consideration.

Proposal date: October 10, 2023

Option Chosen: _____ (where applicable)

Upcoming Governing Body meeting date for lease approval: _____

Whitewater Township, MI

Name of Lessee

Authorized Signature

Date

Title

Printed Name Of Authorized Signature

Last month of your budget year?

Contact Name
(If Different Than Authorized Signature)

Contact Phone

Contact Email

Financial Contact Name
(Can be Treasurer or Clerk)

Contact Phone

Contact Email

Please complete the above information and **fax or email** all pages of the proposal to
813-258-9333 / rcarney@leasing2.com



**** Important: A Resolution will be required with the lease contract ****

**In the event that you require board action to sign this proposal,
please call us so that we may forward the preferred form for the meeting.**

Are you ready to move forward with Leasing 2?

Here is a quick overview on our process

- 1. Signed Proposal** - When you are ready to move forward with Leasing 2, email a scan of the completed and signed proposal back to Leasing 2.
- 2. Credit Application** - A credit application and request for current financial reports will be emailed to the designated contacts upon receipt of the signed proposal. The credit application should be completed and returned promptly to protect your quoted interest rates. Credit approval usually comes within a few days receipt of the completed credit application.
- 3. Financing Agreement** - Once credit approval is accomplished, the financing agreement will be emailed for review and signature. Once the contracts are signed and returned, we are ready for closing.



October 10, 2023

RE – **Whitewater Township** - Municipal Finance Quote

REV Financial Services is pleased to present the following Municipal Finance Proposal described below:

PROPOSAL:

LESSEE:	Whitewater Township						
PROPERTY:	CSI Poly Body Pumper on a Freightliner M2 Chassis (Cost = \$549,719.00)						
EXPIRATION:	Financing to Close by October 30, 2023						
FINANCE QUOTE:	Finance Amount	Rate	Payments	Factor	Pmts / Year	Term	Adv. / Arr.
\$150,000 Down	\$ 399,719.00	6.164%	\$ 149,992.65	0.375245241	1	3 years	Arrears
\$150,000 Down	\$ 399,719.00	5.907%	\$ 115,110.64	0.287978916	1	4 years	Arrears
\$150,000 Down	\$ 399,719.00	5.709%	\$ 94,143.09	0.235523184	1	5 years	Arrears
\$175,000 Down	\$ 374,719.00	6.164%	\$ 140,611.52	0.375245241	1	3 years	Arrears
\$175,000 Down	\$ 374,719.00	5.907%	\$ 107,911.17	0.287978916	1	4 years	Arrears
\$175,000 Down	\$ 374,719.00	5.709%	\$ 88,255.01	0.235523184	1	5 years	Arrears
\$188,000 Down	\$ 361,719.00	6.164%	\$ 135,733.33	0.375245241	1	3 years	Arrears
\$188,000 Down	\$ 361,719.00	5.907%	\$ 104,167.45	0.287978916	1	4 years	Arrears
\$188,000 Down	\$ 361,719.00	5.709%	\$ 85,193.21	0.235523184	1	5 years	Arrears

***** Please see tables on page 3 for Payment due dates**

FINANCING: This is a tax-exempt, municipal government lease purchase with the title to the property passing to Lessee. This is a net lease under which, all costs, including insurance, maintenance, and taxes, are paid by Lessee for the term of the lease. Rates assume municipal/bank qualified. Due to market conditions, Rates subject to change.

NOTES: Application and 3 years Audited Financial Statement are required with Signed Proposal for Credit Review. Rate subject to change due to market fluctuation. Annual Payments start 1 year after signed financing contract. Please see page 2 for sample payment tables. Lessor to be named when credit approved.

APPROVAL: This proposal, until credit approved, serves as a quotation, not a commitment by Lessor to provide credit or property. Lessor acceptance of this Proposal is subject to credit; collateral and essential use review and approval by Lessor. The interest rate quoted herein assumes that the interest component of the Payments is exempt from federal income tax. Lessor will provide a taxable financing proposal if it is determined that the financing will not qualify for tax-exempt interest rates. The financing contemplated by this proposal is subject to the execution and delivery of all appropriate documents (in form and substance satisfactory to Lessor), including without limitation, to the extent applicable, the Master Lease Agreement, any Schedule, financing statements, legal opinion or other documents or agreements reasonably required by Lessor. The quoted interest rate assumes the Lessee designates the Lease as "bank-qualified" pursuant to Section 265(b) of the Code.

Thank you for the opportunity to present this proposal. If you have any questions, please contact me at my number or e-mail address below.

Sincerely,

Todd Stevenson
Manager of Dealer Credit and Sales Support
REV Financial Services
303-746-0449
todd.stevenson@revgroup.com

Proposal Acceptance: (please circle options below)

Years: 3 / 4 / 5

Down: \$150,000 / \$175,000 / \$188,000 / \$86,655

Signed: _____

Name: _____

Title: _____

Date: _____

3 year Sample Payment Table Assumes Contract Acceptance & Funding on 10/25/2023 Please note the dates on the table				\$150,000 Down			
Year	Date	Payment		Year	Date	Payment	
1	10/25/2024	\$ 149,992.65		1	10/25/2024	\$ 149,992.65	
2	10/25/2025	\$ 149,992.65		2	10/25/2025	\$ 149,992.65	
3	10/25/2026	\$ 149,992.65		3	10/25/2026	\$ 149,992.65	
4 year Sample Payment Table Assumes Contract Acceptance & Funding on 10/25/2023 Please note the dates on the table				\$150,000 Down			
Year	Date	Payment		Year	Date	Payment	
1	10/25/2024	\$ 115,110.64		1	10/25/2024	\$ 115,110.64	
2	10/25/2025	\$ 115,110.64		2	10/25/2025	\$ 115,110.64	
3	10/25/2026	\$ 115,110.64		3	10/25/2026	\$ 115,110.64	
4	10/25/2027	\$ 115,110.64		4	10/25/2027	\$ 115,110.64	
5 year Sample Payment Table Assumes Contract Acceptance & Funding on 10/25/2023 Please note the dates on the table				\$150,000 Down			
Year	Date	Payment		Year	Date	Payment	
1	10/25/2024	\$ 94,143.09		1	10/25/2024	\$ 94,143.09	
2	10/25/2025	\$ 94,143.09		2	10/25/2025	\$ 94,143.09	
3	10/25/2026	\$ 94,143.09		3	10/25/2026	\$ 94,143.09	
4	10/25/2027	\$ 94,143.09		4	10/25/2027	\$ 94,143.09	
5	10/25/2028	\$ 94,143.09		5	10/25/2028	\$ 94,143.09	
3 year Sample Payment Table Assumes Contract Acceptance & Funding on 10/25/2023 Please note the dates on the table				\$175,000 Down			
Year	Date	Payment		Year	Date	Payment	
1	10/25/2024	\$ 140,611.52		1	10/25/2024	\$ 140,611.52	
2	10/25/2025	\$ 140,611.52		2	10/25/2025	\$ 140,611.52	
3	10/25/2026	\$ 140,611.52		3	10/25/2026	\$ 140,611.52	
4 year Sample Payment Table Assumes Contract Acceptance & Funding on 10/25/2023 Please note the dates on the table				\$175,000 Down			
Year	Date	Payment		Year	Date	Payment	
1	10/25/2024	\$ 107,911.17		1	10/25/2024	\$ 107,911.17	
2	10/25/2025	\$ 107,911.17		2	10/25/2025	\$ 107,911.17	
3	10/25/2026	\$ 107,911.17		3	10/25/2026	\$ 107,911.17	
4	10/25/2027	\$ 107,911.17		4	10/25/2027	\$ 107,911.17	
5 year Sample Payment Table Assumes Contract Acceptance & Funding on 10/25/2023 Please note the dates on the table				\$175,000 Down			
Year	Date	Payment		Year	Date	Payment	
1	10/25/2024	\$ 88,255.01		1	10/25/2024	\$ 88,255.01	
2	10/25/2025	\$ 88,255.01		2	10/25/2025	\$ 88,255.01	
3	10/25/2026	\$ 88,255.01		3	10/25/2026	\$ 88,255.01	
4	10/25/2027	\$ 88,255.01		4	10/25/2027	\$ 88,255.01	
5	10/25/2028	\$ 88,255.01		5	10/25/2028	\$ 88,255.01	
3 year Sample Payment Table Assumes Contract Acceptance & Funding on 10/25/2023 Please note the dates on the table				\$188,000 Down			
Year	Date	Payment		Year	Date	Payment	
1	10/25/2024	\$ 135,733.33		1	10/25/2024	\$ 135,733.33	
2	10/25/2025	\$ 135,733.33		2	10/25/2025	\$ 135,733.33	
3	10/25/2026	\$ 135,733.33		3	10/25/2026	\$ 135,733.33	
4 year Sample Payment Table Assumes Contract Acceptance & Funding on 10/25/2023 Please note the dates on the table				\$188,000 Down			
Year	Date	Payment		Year	Date	Payment	
1	10/25/2024	\$ 104,167.45		1	10/25/2024	\$ 104,167.45	
2	10/25/2025	\$ 104,167.45		2	10/25/2025	\$ 104,167.45	
3	10/25/2026	\$ 104,167.45		3	10/25/2026	\$ 104,167.45	
4	10/25/2027	\$ 104,167.45		4	10/25/2027	\$ 104,167.45	
5 year Sample Payment Table Assumes Contract Acceptance & Funding on 10/25/2023 Please note the dates on the table				\$188,000 Down			
Year	Date	Payment		Year	Date	Payment	
1	10/25/2024	\$ 85,193.21		1	10/25/2024	\$ 85,193.21	
2	10/25/2025	\$ 85,193.21		2	10/25/2025	\$ 85,193.21	
3	10/25/2026	\$ 85,193.21		3	10/25/2026	\$ 85,193.21	
4	10/25/2027	\$ 85,193.21		4	10/25/2027	\$ 85,193.21	
5	10/25/2028	\$ 85,193.21		5	10/25/2028	\$ 85,193.21	

Memo

To: Whitewater Township Board of Trustees
CC: None
Date: 10.16.2023
Re: Campground & Park Improvement Project Needs

Board Members –

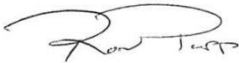
This business item is presented to allow Trustee Don Glenn and/or Ron Popp a forum to the Board to discuss any relevant matters regarding the camping park or the Park Improvement Project.

- 1) Michigan Natural Resources Trust Fund (MNRTF) 2023 Application Guidelines
- 2) Any other Park Business Item.

The MNRTF application process has a considerable preapplication list of requirements for the six months leading up to submission of the application. Most of these obligations are talked about in the first dozen or pages of the MNRTF Guideline provided below. Originally this grant opportunity was eyed for the paving of Park Road. However, with a \$300K grant cap, a road project would have to be a multi stage project spanning several years. A lot of moving parts, including cooperation from the Road Commission would have to come together to make an application a reality. However, the Township has tossed about several other park improvements that may be eligible for this funding. A new bathhouse, ranger station, park expansion of rustic camp sites, maintenance building etc.

Motion to begin the MNRTF application process for a new bathhouse.

Respectfully submitted,



Whitewater Township FOIA Coordinator
Supervisor, Whitewater Township



Michigan Department of Natural Resources

www.Michigan.gov/DNR

MICHIGAN NATURAL RESOURCES TRUST FUND

2023 APPLICATION GUIDELINES



Grants Management

IC1905 (Revised 01/18/2023)

MICHIGAN DEPARTMENT OF NATURAL RESOURCES MISSION STATEMENT

"The Michigan Department of Natural Resources is committed to the conservation, protection, management, use and enjoyment of the State's natural resources for current and future generations."

The Michigan Department of Natural Resources (DNR) provides equal opportunities for employment and access to Michigan's natural resources. Both state and Federal laws prohibit discrimination based on race, color, national origin, religion, disability, age, sex, height, weight, or marital status under the U.S. Civil Rights Acts of 1964 as amended, 1976 MI PA 453, 1976 MI PA 220, Title V of the Rehabilitation Act of 1973 as amended, and the 1990 Americans with Disabilities Act, as amended.

If you believe that you have been discriminated against in any program, activity, or facility, or if you desire additional information, please write: Michigan Civil Service Commission – Quality of Life Human Resources, PO Box 30028, Lansing MI 48909-7528, or Michigan Department of Civil Rights, Cadillac Place, 3054 West Grand Blvd, Suite 3-600, Detroit, MI 48202, or Division of Federal Assistance, U.S. Fish and Wildlife Service, 4401 North Fairfax Drive, Mail Stop MBSP-4020, Arlington, VA 22203.

For information or assistance on this publication, contact Grants Management, Michigan Department of Natural Resources, PO Box 30425, Lansing, MI 48909-7925.

This publication is available in alternative formats upon request.

For information or assistance on this publication,

Telephone: (517) 284-7268 (517-28-GRANT)

On the web at www.Michigan.gov/DNR-Grants

MiGrants Online Application System

www.migrants.intelligrants.com

MICHIGAN NATURAL RESOURCES TRUST FUND BOARD

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William R. Rustem

Shannon Lott

Dr. Brandy Brown

Chris MacInnes

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Lindsey Henski, Administrative Assistant

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Michael Chuff, Financial Specialist, MNRTF Grant Program

Chip Kosloski, Program Manager, Wildlife Habitat, Fisheries Habitat, Clean Vessel Act Grant Programs

Erin Campbell, Program Manager, Invasive Species Grant Program

Michelle Ballard, Grants Payment Officer, Multiple Grant Programs

Krista Dickerson, Grants Payment Officer, Multiple Grant Programs

Lance Brooks, Grants Payment Officer and MiGrants Analyst

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Merrie Carlock, Grant Coordinator

Alexandria McBride, Grant Coordinator

Charamy Cleary, Grant Coordinator

Samantha Davis, Grant Coordinator

Riley Millard, Grant Coordinator

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INTRODUCTION

Over its 46-year history, the Michigan Natural Resources Trust Fund has had a tremendous impact on Michigan's landscape. Over \$1.3 billion has been awarded to state and local units of government and has been used to acquire and develop recreation land in all 83 counties of the state. More information is available in the appendix.

Each year, the MNRTF Board invites state and local units of government in Michigan to submit proposals for the acquisition or development of land for natural resource-based public outdoor recreation. This booklet has been prepared by the Grants Management staff of the Department of Natural Resources (Department) to guide you in preparing an application for financial assistance from the fund. **We strongly recommend that you review the entire booklet in conjunction with the online application in MiGrants before you begin to prepare your application.**

Grants Management staff is available to assist you with any questions you may have regarding any aspect of the application process. We encourage you to contact your regional representative early in the application process. You may also call the Grants Management office at 517-284-7268 (517-28-GRANT) and you will be directed to the appropriate representative.

This booklet and all forms needed to complete an application are available on our website:
www.Michigan.gov/DNR-Grants.

The online application is available in MiGrants: www.migrants.intelligrants.com

MICHIGAN NATURAL RESOURCES TRUST FUND BOARD INFORMATION

The Michigan Natural Resources Trust Fund Board's primary function is to submit to the Legislature a priority list of lands recommended for acquisition and/or development through the Natural Resources Trust Fund Grant Program, which supports development and improvement of public outdoor recreation opportunities across the state. The board also provides guidance to the Department of Natural Resources staff responsible for evaluating grant applications, making project recommendations, and administering projects funded by the grant program.

More information on the Michigan Natural Resources Trust Fund Board, including policies and procedures, board member information, meeting schedules, agendas and minutes are available on the DNR website here:
https://www.michigan.gov/dnr/0,8817,7-350-79137_79763_79910---,00.html

MICHIGAN NATURAL RESOURCES TRUST FUND 2023 APPLICATION SCHEDULE

January 2023	Application period starts in MiGrants
February 1, 2023	Recreation plans, and plan amendments must be submitted by this date in MiGrants: www.migrants.intelligrants.com
April 1, 2023	Application due date. Application period closes in MiGrants.
April 2023	Applicants may receive requests for additional information based on an administrative completeness review.
May - July 2023	Grants Management staff conducts review of all applications and may conduct site visits.
August - September 2023	Preliminary scores are made available to applicants and supplemental information is requested.
September - October 2023	Grants Management staff review supplemental materials and complete final score evaluation.
Early December 2023	MNRTF Board makes final recommendations for funding.
December 2023 - January 2024	A bill is prepared and submitted to the Legislature for approval and appropriation of funds for the MNRTF Board final recommendations.
Early to Mid-2024	Grants Management distributes Project Agreements to grantees, usually by June, but actual date dependent on Legislature approval.
Mid to Late 2024	Projects may be started after the Project Agreement has been executed.

** All time periods given are best estimates at the time of publication and are subject to change.*

CHAPTER 1: BASIC INFORMATION ABOUT THE MNRTF PROGRAM

In this chapter, we describe the eligibility and other requirements of the MNRTF Program. It is important to consider these requirements when deciding whether to apply. This chapter also provides an overview of the MNRTF Program procedures for project completion. Additional MNRTF program information can be found in Appendix A and on the Grants Management website. For more detailed information about completing a development or acquisition project, review the Development Project Procedures booklet or Acquisition Project Procedures booklet on the Grants Management's website, www.Michigan.gov/DNR-Grants. MNRTF Board policies are also available on the website.

ESTABLISHING ELIGIBILITY

Local units of government are eligible to submit an MNRTF grant application. Part 19, Natural Resources Trust Fund Act, 1994 PA 451, as amended, defines a local unit of government as a city, village, township, county, or any combination of these entities in which authority is legally constituted to provide public recreation, such as:

- Regional recreation authorities formed under the Recreational Authorities Act, 2000 PA321, and railway commissions formed under Part 721, Michigan Trailways Act, 1994 PA 451, as amended. If the authority was formed under different legislation, contact Grants Management.
- Huron-Clinton Metropolitan Authority.
- School districts that meet the requirements given in *Guidelines for the Development of Community Park, Recreation, Open Space, and Greenway Plan* (IC 1924).

Federally recognized Native American tribes, colleges, universities, and conservation districts are not eligible for MNRTF assistance.

5-YEAR RECREATION PLAN

All applicants must have a current, 5-Year Recreation Plan that has been locally adopted, submitted in MiGrants by February 1st, and approved by the Department by the application deadline. For guidance on preparing a recreation plan or to amend your plan, consult the Department booklet *Guidelines for the Development of Community Park, Recreation, Open Space, and Greenway Plans* (IC 1924).

PUBLIC INPUT

All applicants must hold at least one public meeting to receive input about the application. **This meeting must be held within the six-month period before the application deadline and before a resolution committing to the application is passed by your highest local governing body.** If resubmitting an application, you must also hold a public meeting within the six-month period before the application deadline.

Public meetings focused on review of your recreation plan will not meet your obligations for public input for your grant application unless the meeting notice and agenda indicate that the meeting will cover both recreation plan review and the specific grant application. Documentation of the public meeting must be submitted and consists of the advertised advance notice of the meeting, including the name and location of the proposed project, **and** the official minutes of the meeting.

MiGRANTS

All applicants must complete their application on DNR Grants Management's online application system, MiGrants, at <https://migrants.intelligrants.com/>. Paper applications will not be accepted and will be considered ineligible. The eligible entity must register as an organization on MiGrants before they can start an application. MiGrants information and tutorials are available on the DNR website here: https://www.michigan.gov/dnr/0,4570,7-350-79134_81684_79209_81886_92578---,00.html.

IMPORTANT CHANGE TO FUNDING STRUCTURE BECAME OPERATIVE IN 2021

- On November 3, 2020, Michigan voters approved Proposal 1. This amendment to Article IX allows the MNRTF to recommend grants of no less than 25% of available funds toward development projects and no less than 25% of available funds for acquisition projects. In addition, once the State Park Endowment Fund reaches its cap of \$800 million, this amendment will require that future mineral revenues will accrue to the MNRTF once again, with no cap on future accruals.

LONG-TERM GRANT OBLIGATIONS

Receiving MNRTF assistance commits the grantee to certain long-term responsibilities. These commitments include:

- The land included in the boundary of the project site must remain open to public outdoor recreation use in perpetuity. This requirement pertains to both acquisition and development projects.
- The grantee must maintain the site, including facilities constructed with grant assistance and any other facilities necessary for their use, such as entrance drives, parking, walkways, and restrooms. This includes access in compliance with the 2010 ADA Standards for Accessible Design.
- All new projects must install a 12" x 18" MNRTF plaque from Rotary Multiforms, Inc. (unless a MNRTF recognition plaque already exists on site). More information on program acknowledgement plaques can be found here: https://www.michigan.gov/dnr/0,4570,7-350-79134_81684_79209_81657-430506--,00.html
- An entrance sign identifying the park as a public recreation site must be prominently displayed.

CONVERSIONS AND SIGNIFICANT CHANGES IN USE OF A GRANT-ASSISTED SITE

The land identified in the boundary map of the project agreement is encumbered for public, outdoor recreation use only, whether the grant was for acquisition or development. Occasionally, circumstances dictate that a community change all or part of a grant-assisted site from public, outdoor recreation to another use. These changes in use may include another public facility, such as a library, a museum, or fire station; or a private use such as a cellular phone tower. In these instances, the grantee may make a request to the DNR for a conversion of use. If approved by the DNR, a conversion allows the grantee to change the use of the site by committing to replace the lost land with other land acquired and dedicated by the grantee. The replacement (a.k.a. mitigation) land must be at least equivalent in size and recreational usefulness and equal or greater in current value than the land lost to the conversion.

A grantee must also request approval from the DNR to make a significant change in the public outdoor recreation uses of the site. One example of a significant change of use would be replacing a passive recreation use, such as a picnic area or walking trails with a more active form of recreation, such as baseball fields or another type of recreation that would interfere with the originally intended use.

In both of these situations, the grantee must work first with the DNR to obtain approval.

COMPLIANCE WITH PROGRAM REQUIREMENTS

Applicants will be evaluated based on their compliance with Michigan Natural Resources Trust Fund, Land and Water Conservation Fund, Recreation Passport, Recreation Bond Fund and Clean Michigan Initiative grant requirements.

An unresolved conversion of land encumbered by any of these grant programs will result in points being deducted from application scoring. If you have an unresolved conversion, contact the Grants Management Section.

Other potential compliance items that are evaluated may include program recognition signs and complying with Department procedures while completing grant-assisted projects awarded in the past six years. Grant compliance issues that are considered:

- Project Agreements not executed within 60 days of issuance.
- PSB and contractor approval not obtained by the DNR prior to advertising, awarding, or constructing a project, or not provided within 180 days of the project agreement being executed.
- Progress reports not submitted every 180 days for active grant projects.
- Final reimbursements not submitted within 90 days after the end of the project period.
- Recognition plaque not in place at a grant-assisted site.
- Conversions or other significant changes in use at grant-assisted sites.
- Post-completion reports not submitted within the past 5 years.

ELIGIBLE PROJECTS

There are two categories for eligible projects: land acquisition and recreation facility development.

Land Acquisition: Eligible projects include acquisition of land or specific rights in land (for example, development rights or easements) for public outdoor recreation uses or protection of the land for its environmental importance or scenic beauty. Within a grant cycle, the MNRTF Board may choose to set aside a portion of the available funds for small acquisition projects requesting \$100,000 or less that fulfill Board priorities.

In most cases, acquisition of property already in public ownership, including property owned by public school districts, is not eligible for MNRTF assistance. MNRTF Board Policy 90.1 addresses the conditions under which the acquisition of land already in public ownership is eligible for assistance. MNRTF Board Policies are available on the DNR website, <https://www.michigan.gov/dnr/about/boards/mnrtf>

Acquisitions by land contract (prior to applying or after receiving grant funding) are not eligible for MNRTF assistance. For more information on the grant acquisition process review the Acquisition Project Procedures booklet available on the DNR grants website.

Recreation Facility Development: Eligible public outdoor recreation projects include fishing and hunting facilities, beaches, boating access, picnic areas, campgrounds, winter sports areas, playgrounds, ball fields, tennis courts, and trails. Also included are facilities needed to support outdoor recreation, such as nature interpretive buildings, park visitor centers, restrooms, and storage buildings for park equipment. Renovation of existing facilities is eligible and encouraged, but not if poor maintenance, design, or construction was the cause of the facilities' poor or unsafe condition. All construction and renovation must comply with all federal and state requirements regarding accessibility for people with disabilities. For more information on the grant development process review the Development Project Procedures booklet available on the DNR grants website. Development projects providing universal accessibility to recreation opportunities are especially encouraged.

Within a grant cycle, the MNRTF Board may choose to set aside a portion of the available funds for small development projects requesting \$50,000 or less that fulfill Board priorities.

Development projects that are not eligible include:

- Indoor recreation facilities, other than facilities that support outdoor recreation.
- Stadiums and other facilities designed expressly for viewing of professional or semi-professional arts or athletics, or intercollegiate or interscholastic sports.
- Amphitheaters, band shells, and permanent seating associated with them.
- Art displays, decorative fountains, and facilities for historical interpretation.
- Projects that would create an unfair competitive situation with private enterprises. In situations where privately managed facilities are providing identical or similar recreation opportunities, the local government must provide additional written justification of the need for the proposed facility in light of the private sector's presence.
- Projects which are primarily sidewalk in a road or street right-of-way and located within a municipality. In general, traffic control devices in the road right-of-way, such as guardrails, flashing or non-flashing signs or barricades, and electronic crossing signals, are not eligible scope items for MNRTF projects.
- Most improvements to public roadways.
- Invasive species removal, shoreline stabilization, or erosion control which are not directly associated with development of recreation facilities at the site.
- Municipal infrastructure, such as electric transmission lines, sewer mains, and water mains, is not eligible for funding with DNR Recreation Grants. However, a service line for these types of utilities can be eligible as a scope item if it is providing the utility to a site of public outdoor recreation that has other scope items being developed as part of the same grant project.

AUTHORIZED OFFICIAL

The Authorized Official is the applicant's representative who has the authority to obligate the community legally and financially to initiate and submit an application on behalf of the community. Typically, this is a senior level

paid staff person of the local unit of government of the community. For acquisition projects, the landowner or someone who represents the landowner, including a realtor, cannot represent the community at either the application or grant completion stage. For development projects, a contractor who may gain financially from the project cannot represent the community at either the application or grant completion stage.

MINIMUM AND MAXIMUM GRANT AMOUNTS

Development: Minimum Grant Request: \$15,000 (\$20,000 minimum total project cost)
Maximum Grant Request: \$300,000

Acquisition: There are no minimum or maximum acquisition grant request amounts.

ALLOWABLE NUMBER OF PROJECT SITES

Each application submitted must be for a single acquisition or development project. A project is defined as the acquisition or development of a property in a single location, with the exceptions noted below.

Acquisition applications for the purchase of separate parcels are eligible if they are adjacent to property already owned by the applicant, such as additions of parcels east and west of an existing park or acquisition of separate segments of a trail that connect to properties already controlled by the applicant. In addition, applications that propose the acquisition of one or more disjunct parcels will be considered for funding if the parcels are all within a dedicated boundary. Factors such as access and the recreation and ecological value of the individual parcels will be considered in determining the score for the application.

Development applications should be for a single park site or contiguous trail.

In order to avoid duplication of grant awards and to achieve the best scenario for an applicant to receive funding, should an applicant apply for the same project across multiple DNR grant programs in the same year, DNR grants management staff reserve the right to align the program that is most applicable based upon scoring and available funding. In these situations, applicants will be directed to withdraw from certain programs prior to final grant awards being made.

RESUBMITTAL OF PREVIOUS YEAR'S UNSUCCESSFUL APPLICATION

Applications must be submitted online through MiGrants each year regardless of whether it is a new application or a resubmittal of a previous year's application. Previous years applications will not be saved in MiGrants or by the DNR Grants Management Section. The same material may be uploaded in a new application, but the applicant must hold a new public meeting and provide a new resolution from their governing body.

NUMBER OF ALLOWABLE APPLICATIONS FROM A SINGLE APPLICANT

There is no limit to the number of applications that an applicant may submit within a funding cycle, however, the applicant will be asked to prioritize multiple applications of the same type (development or acquisition). Each application must be a standalone project, that is, not dependent on another project application in order to be constructed.

ELIGIBLE COSTS

For **development** projects, only those costs directly associated with the construction of the project will be reimbursed, including engineering costs and the costs associated with obtaining permits. Overhead, maintenance, administration, attorney and contingency costs are **not eligible** for assistance for either acquisition or development projects. Engineering costs are only eligible for reimbursement once the project is under construction. Development grantees are responsible for making payments toward the project's construction and are then reimbursed at the grant percentage listed in the grant agreement, not to exceed the grant amount.

The amount of MNRTF funding for the **acquisition** of land or rights in land is determined by the market value of the property as approved by the DNR and the grant percentage at the time of purchase. Some incidental costs associated with the purchase are also eligible for assistance (see Section C-1). Two options are available for completing a land **acquisition** project. You will need to indicate on the project agreement whether you intend to:

- a.) Acquire the property using the escrow closing process, OR
- b.) Purchase the property (after DNR approval of the market value) with your own, donated, or borrowed funds and then request reimbursement by grant funds after closing.

Take care to estimate your project cost as accurately as possible in your application. The grant award you receive will be based on the information included in the application and cannot be increased once recommended by the Board and approved by the Legislature. You will be responsible for all cost overruns, or any additional costs needed to complete the project.

APPLICANT MATCH REQUIREMENTS

The applicant must provide a portion of the total project cost; this is known as the match. The MNRTF Program requires a minimum 25 percent match. However, you may earn points for your application under the Applicant Match criterion if you provide additional funds above the required minimum applicant match. Refer to the Scoring Criteria in Chapter 3 under the Applicant Match section for additional details.

The applicant match for land **acquisition** costs can be met by general funds, cash donations, other grants, or by donation by the seller of a portion of the value of the land to be acquired. All land value donations must be clearly documented in the grant application and supported by a letter of commitment from the landowner.

The applicant match for **development** costs can be met by general funds, cash donations, other grants, and force account labor or equipment. Force account labor or equipment includes certain applicant-assumed costs directly related to the construction of the proposed project, such as charges for local government-owned equipment and labor performed by the applicant's employees. Land acquisition costs are not eligible as match for a development project. The source and amount of all donations must be clearly stated in the grant application and supported by a letter of commitment from the donor.

Match commitments must be secured prior to October 1st in the year the application is made and be available for expenditure within the grant project period. Proof of secured match must be provided to your grant coordinator on or before October 1st. Failure to provide match documentation by the October 1st deadline may result in the application being declared ineligible. Examples of proof of secured match include:

- General fund – Resolution from local governing body committing to the match dollar amount.
- Cash donations – Letters of commitment from donors listing the dollar amount.
- Other awarded grants – Letter from granting organization committing to the grant dollar amount, explaining the conditions of award, and information on the scope of work provided by the other grant. *Applications* for other grants are not considered a secure source.
- Donation of land value – Letter from landowner committing to donate a fixed percentage of the appraised, DNR-approved market value. This match source is only eligible for acquisition grant applications.
- Donation of goods and services – Letter from the donor explaining the nature and value of the goods or services. The letter of donation must indicate number of hours or quantity of materials. The letter must include the quantity, dollar amount and for labor the number of hours and hourly rate. Pre-bid discounts such as a percentage off a price are not accepted for documentation of match.
- In-kind/Force-account – Resolution from the governing body committing to the match dollar amount.

Secured match ensures there should not be cash flow problems threatening the completion of the project. Changing match after the October 1 deadline is highly discouraged. However, if a change to the amount or source of match is necessary, the prior approval of the DNR is required and the grantee must provide documentation as to adequate cash reserves to fund the project. Applicants who are awarded MNRTF grants must understand that the receipt of grant funds outside of the MNRTF grant for this project may impact the amount of funds earned on the MNRTF grant. The combination of MNRTF grant payments plus other State of Michigan grant payments may not exceed one hundred percent of eligible project expenses.

REQUIREMENTS FOR DEVELOPMENT GRANTS

If funded, all development projects require full construction plans, technical specifications and bid documents which are prepared and sealed by an Architect, Engineer or Landscape Architect licensed in the State of Michigan. Refer to the Development Project Procedures booklet for more information.

REQUIREMENTS FOR LAND ACQUISITION GRANTS

All properties approved for a land acquisition grant must meet the following requirements, unless a written exemption is provided by the Department and, if required, the MNRTF Board prior to the land being acquired.

Willing Seller: The MNRTF Program only funds land transactions with willing sellers. Grant assistance is not available for land that will be acquired through eminent domain or any other method whereby the landowner is not a willing participant in all aspects of the sale.

Access to the Public: Unless an exception is granted in writing by the Department, lands acquired with grant assistance, including recreation facilities and land or water access routes, are expected to be available and open to the public within 90 days of the date of acquisition. While the level and type of public access may initially be limited by environmental conditions, it is expected that the grantee will provide a clearly marked entrance to the site with an entrance sign noting that the site is open to the general public and, when possible, a dedicated parking area.

Elimination of Non-Recreation Uses and Structures: Recipients of a land acquisition grant are required to eliminate all pre-existing, non-recreation uses within the project area, such as incompatible agricultural or commercial uses, within 90 days of the date of acquisition. All buildings and other structures should be removed within 90 days unless they will be renovated for use in supporting public outdoor recreation.

LAND ACQUISITION NEGOTIATIONS ALLOWABLE PRIOR TO RECEIVING A GRANT

Applicants should discuss the acquisition process and grant schedule with the willing seller (landowner). It is especially important for the landowner to understand that there is usually a 1½-year time period after the grant application is submitted before the property can be acquired by the applicant.

In these discussions, the applicant should determine that the land will meet the acquisition requirements and should work with the landowner to complete the *Property Checklist* in Section F of the application to determine the potential for contamination at the site. It is also important to confirm that there are no encroachments or boundary disputes with neighbors.

Applicants should advise the landowner that if a grant is approved, the actual offer will reflect the market value of the property, which will be determined after a grant award is made and will be based on an appraisal prepared according to Department standards, submitted by the grantee, and approved by the Department.

CONTAMINATED PROPERTIES

Contaminated properties are eligible for grant assistance, provided a due care plan verifies that the property can be made safe for the proposed uses and the contamination will not have a substantial, negative impact on the overall public recreation, public safety, and/or resource protection values of the site. For development applications, a due care plan must be provided by October 1st of application year. For acquisition applications, at a minimum, an environmental report as outlined in this booklet under Section F: Site Conditions, must be provided by October 1st of the application year.

CHAPTER 2: DEVELOPING A PROJECT PROPOSAL

Each year, the Michigan Natural Resources Trust Fund offers local communities and state agencies the opportunity to apply for grants to assist with the purchase and development of land for public outdoor recreation and natural resource protection. Over the 46-year history of the program, over \$1.3 billion has been awarded. More information on the history of the MNRTF Program and the goals of the Board can be found in Appendix A.

In this chapter, we describe some of the factors you should consider when designing a project proposal to submit to the MNRTF Grant Program.

MNRTF PROGRAM GOALS

The MNRTF Board strongly believes that the natural resources of our state should be accessible to the public for the outdoor recreation opportunities they provide and protected for their scenic values and environmental importance. Projects that provide access to and protection of significant natural resources, water bodies and hunting/fishing/wildlife viewing opportunities are highly valued by the Board.

2023 PRIORITY PROJECT TYPES OF THE MNRTF BOARD

The MNRTF Board will emphasize the following four areas for funding in 2023:

1. Trails (including water trails)
2. Regionally Significant Projects
3. Wildlife Habitat, and Hunting Access (**acquisition only**)
4. Lake and River Public Access (**acquisition only**)

Refer to the scoring criteria for more information on each of the priorities.

HOW TO PREPARE AN MNRTF GRANT APPLICATION

The following sections provide information that will help you complete an MNRTF grant application utilizing the MiGrants electronic application forms. Each form, document, and supporting evidence that makes up an application is listed and explained. Information and documentation about your project gathered from many different sources will make a complete application package. **Assembling the information needed to submit a complete application package takes time - it is important to start the process as early as possible.**

All location maps, site development plans, boundary maps, and other graphic information should be formatted to **8.5 inches by 11 inches or other standard size**. They should be clear, legible, detailed, and appropriately labeled. Grants Management staff use these materials to help evaluate your application and to find and evaluate your site.

COMPLETING THE MNRTF GRANT APPLICATION SECTIONS

This section includes guidance on some of the questions found in the MNRTF grant application sections. The terms *form* and *section* may be used interchangeably and refer to each section within the online application. Refer to chapter 1 for information on eligibility requirements for the program.

SECTION A: APPLICANT, SITE, AND PROJECT INFORMATION

When completing this section, note where information about the applicant (state or local unit of government) and where information on the site of the proposed project are requested.

SIGMA VSS and SIGMA Address Code: If funded, these numbers will be needed to process reimbursement payments. Information on how to create or obtain a SIGMA VSS number and address code can be found here: <https://sigma.michigan.gov/webapp/PRDVSS2X1/AltSelfService> or in the appendix.

Proposal Title: The park name should be included in the title and the terms “acquisition,” “expansion,” or “addition” for an acquisition proposal and “development,” “renovation,” or “improvements” for a development proposal.

Proposal Description: If an application is recommended for funding, the Proposal Description is included in a press release and given to legislators. Provide a brief (1000-character max) description of your proposed project. Include, as applicable, the type of project (new acquisition, development, expansion of existing park), the rights in land to be purchased (fee simple, development rights only, etc.), the park name, the acreage to be acquired, the acreage of the existing park, the natural features of the site, the recreation opportunities proposed in your application, and the future recreation opportunities to be developed on the site.

For development applications start the description: "Development of (describe what you are proposing to develop) at (name of park). For acquisition applications start the description: "Acquisition of (number of acres or linear feet of corridor) to be purchased in (fee simple/easement)". Examples below:

Development – "Development to modernize campsites to provide barrier-free access and improved vehicular circulation within Muskallonge Lake State Park. The current campsites will be improved to maintain a safe and functional camping experience for park visitors and to attract new visitors in the growing tourism market of Northern Michigan. The campground will also be a very useful accommodation for users of the North Country Iron Belle Trail."

Acquisition – "Acquisition of approximately 1.68 acres adjacent to the existing Two Rivers Park, which is located at the confluence of the Looking Glass & Grand Rivers. The acquisition will allow for future development of amenities to the park and river trail and create a buffer from existing condo development."

Address of Site: Use the location of the project site. If there are multiple locations, such as with a trail project, list the starting or ending point. A listing of all the project locations can be included in the Documentation of Site Control for Development Projects.

Park name: If you have not yet named your park, write in a proposed name.

County, Town, Range and Section, Latitude and Longitude.

SECTION B: PROJECT FUNDING AND EXPLANATION OF MATCH SOURCES

In this section, provide information on the match commitment, grant amount requested, and total project cost
ROUND ALL FIGURES ON YOUR APPLICATION TO THE NEAREST \$100.

Grant Amount Requested: Indicate the amount of MNRTF funding you are requesting, rounded to the nearest one hundred dollars. Remember the \$15,000 minimum and \$300,000 maximum allowable grant request amounts for development projects.

Total Match: This value is the sum of lines a) through f) and will be automatically calculated when the page is saved.

Total Project Cost: This value is the sum of lines g) and h) and will be automatically calculated when the page is saved. Be sure the total project cost is the same as the total shown in Section C-1 for the **acquisition** applications and C-2 for **development** applications.

Percentage of Match: The percentage of match commitment will be automatically calculated when the page is saved by dividing the total match by the total project cost. To be eligible, this number must be at least 25% of the total project cost.

Indicate the amount for each source of match on lines a) through f) of this section. Matching funds can come from the following sources:

- a) **General Funds or Local Restricted Funds:** Local cash from the applicant's general fund or restricted recreation funds.
- b) **Force Account Labor/Materials:** The applicant's paid employees that will work directly on the construction of the project or the cost of materials that will be used in the construction of the project. This value cannot include administration or supervision costs but may include engineering and other professional services.
- c) **Federal or Other State Funds:** Other Federal or State grant funds that have been awarded for funding within the MNRTF grant project period.
- d) **Cash Donations:** Cash from donations, fund-raising, private grants, or other similar means.

- e) **Donated Labor/Materials:** Labor or materials directly related to the construction of the project from sources other than the applicant's own paid labor. Donated labor must be valued at minimum wage unless a professional is donating his or her professional services (such as an electrician).
- f) **Donated Land Value:** A donation by the landowner of a portion of the value of the property. This is an eligible source of match for acquisition applications only.

SECTION C-1: PROJECT DETAILS – LAND ACQUISITION APPLICATIONS ONLY

Provide information on the type of interest to be acquired, current land uses, buildings, encroachments, boundary disputes, and the justification of estimated property value in this section. Use the comments section at the bottom of the page or the Narrative page to describe in greater detail. If you have indicated there are any existing buildings or structures on the site, explain how they will be used to support public outdoor recreation or when they will be removed. Briefly describe any encroachment/boundary disputes and how you intend to handle them. Upload any expert documentation justifying the estimated market value in the Required Attachments page.

Parcel Information Table

1. **Estimated Market Value:** Enter your best estimate of the value of the parcel or rights in land you propose to acquire. It is recommended that you have an appraisal done to get an initial determination of the fair market value and to establish a foundation for your grant request. You may estimate value by looking at past appraisals and land values in the area or by talking to your local assessor. Note: Appraisal costs incurred prior to receiving an executed project agreement are not eligible for reimbursement. If multiple parcels are involved, the Total Appraised Value on the bottom of the page will be automatically calculated when the page is saved by adding the Estimated Market Value for each of the parcels.
2. **Estimated Incidental Costs:** The following incidental costs are reimbursable under the MNRTF Program:
 - **Appraisals:** Enter the anticipated cost to retain a state-certified general appraiser to complete an appraisal (two appraisals for a parcel with an estimated value over \$750,000) and determine the market value of the property or of the specific rights in land to be acquired.
 - **Environmental Assessment:** Enter the anticipated cost to hire a qualified environmental consultant to advise and prepare the appropriate due diligence, and if necessary, due care actions. Environmental assessment costs, up to 5 percent of the purchase price of the property, are reimbursable. The cost of cleanup actions needed to make a site safe for recreation use and to comply with state law cannot be included in your total project cost.
 - **Other Incidental Costs:** These costs include prorated taxes, recording fees, transfer tax, title insurance, (or the cost of a title search for railroad properties), title search and closing fees. Costs associated with preparation of a purchase agreement or option, including any down payment or pre-payment made prior to the execution of a project agreement, is not reimbursable. Back taxes, lawyer's fees, property surveys, land clearing, demolition, fencing, and other development costs are not eligible items under an acquisition grant.

Total appraised value, incidental costs, and total acquisition costs will automatically be calculated based on the information provided in the Parcel Information tables when the page is saved.

SECTION C-2: PROJECT DETAILS – DEVELOPMENT APPLICATIONS ONLY

All grant-assisted facilities must, at a minimum, comply with the Americans with Disabilities Act (ADA). Be sure to incorporate state and federal accessibility requirements into your facility planning and cost estimates. Access routes must be provided to the proposed scope items, accessible parking and/or park access points and relevant support facilities, such as a restroom building. Facilities that directly support the scope items should be accessible. This work may be included in the scope as part of your proposed project. See Appendix B for additional resources. Development applications proposing universal accessibility must **exceed** ADA minimum requirements for a higher score. See the Narrative Section and Appendices B and C for more information on how to design universally accessible projects.

The following costs are not eligible for reimbursement in a development project:

- Contingencies
- Studies
- Land acquisition costs
- Costs associated with the estimation of construction costs, such as consultant fees
- Costs incurred prior to execution of a project agreement provided by the DNR.

Applicant's Current Control of the Site: Select the appropriate box for the applicant's site control at the project site. A Documentation of Site Control form (PR5750-4) and deed, lease or easement is required to be uploaded in the required attachments section of the application to ensure no previous encumbrances exist on the site which conflict with the MNRTF grant program. Refer to the Requirements for Development Applications for information on each type of site control and the documentation required.

Age of the Park: Provide the number of years the project area has been established as a park, recreation area, trail, or outdoor recreation facility.

Acres: Provide the total number of acres within the park, recreation area, trail, or outdoor recreation facility in which this project will take place. If funded, the entire property will be encumbered for public outdoor recreation.

Development Project Cost Estimate Table: Obtain a reasonable estimate for the facilities you plan to construct with grant funds by consulting with a prime professional (a licensed engineer, architect, or landscape architect), other communities, and equipment manufacturers. Include the project scope item, quantity and estimated cost. Use scope items from the pull-down options where possible. Do not list the same scope item more than once. More specific details or attributes of a scope item can be included in the narrative and attachments. For example, if LED lighting is proposed, select lighting from the pull-down menu and upload a catalogue sheet for an LED fixture in the Required Attachments Section. Specify sizes and quantities where appropriate (length of trail, number of picnic tables, etc.) for each scope item. Do not list the aspects of project execution, such as labor, construction equipment, contingency or raw materials. Completing this section is required and if you feel you want to provide additional detail, a more detailed cost estimate can be uploaded in the Required Attachment Section.

Include in the table permit fees, the cost to order a MNRTF plaque (if there is not already one at the site), and the cost to hire a licensed engineer, architect, or landscape architect (the Prime Professional) to prepare all plans, specifications, and bid documents. The Prime Professional will also be required to certify all requests for reimbursement, including the final request, verifying that all construction was completed according to acceptable standards. Engineering costs for these services, up to 20 percent of the project cost, are eligible for reimbursement at the grant percentage.

Information on the MNRTF plaque requirements can be found on the DNR website here:

https://www.michigan.gov/dnr/0,4570,7-350-79134_81684_79209_81657-430506--,00.html

SECTION D: JUSTIFICATION OF NEED

Priority of Multiple Applications: If you are submitting more than one development project application or more than one acquisition application, please indicate the priority order, with #1 being the highest priority application. If you are submitting only one application, indicate this is your #1 priority.

Recreation Plan: The proposed project must be supported in the applicant's current recreation plan. Provide the page numbers in which the proposed project is discussed in the plan. If the proposed project is only discussed on one page, enter the same number in both boxes. Additional information may be provided in the narrative.

Public Meeting: As discussed in Chapter 1, a public meeting must be held within the six-month time period before the application deadline and before a resolution committing to the application is passed by your highest local governing body. Provide the public meeting date(s) and upload the minutes from the meeting in the required attachments section.

Input from people with disabilities, their families, or advocates: Indicate whether you consulted with anyone in the disability community for review of the design of the project or of specific scope items that relate to

accessibility. Upload a letter or meeting minutes which specifies their recommendations, if any, on how the project can meet or exceed ADA requirements. Letters from consultants or equipment representatives will not be considered as input from an advocate of the disability community.

Primary Provider of Recreation Services: Recreation authorities or school districts which are the primary provider of outdoor recreation for a larger region should list the communities included in their service-area. Generally, these communities would have a joint-recreation plan.

Crime Prevention Measures: Explain how you plan to address safety considerations and crime prevention and response in the project area. For example, layout maximizes visibility of people, adequate lighting, hours of operation are clearly posted or monitoring of project area at appropriate times.

Programming and Marketing: Explain how you will make the public aware of the project. At a minimum, all projects are required to have a ribbon cutting. Describe the methods you will use to publicize and promote your project. Be sure to include marketing methods that will effectively communicate with persons with disabilities. Examples include:

- Ribbon cutting/dedication – this is a requirement of all grant-funded projects
- Informational booklets/brochures
- Web site and social media
- Radio/television
- Newspaper/magazines
- Presentations to schools, organizations, club and other groups
- Special events such as fairs and festivals

Formal recreation department/DNR division or parks committee: Include information on your communities' park department and/or park committee. For park committees, include how committee members are appointed, their roles and responsibilities, list of members and meeting schedule. You may also include a page number reference to your 5-Year Recreation Plan where this is already described. Park Committees must be a separate board or committee from the governing board or other boards, such as the Planning Commission. They must hold regularly scheduled meetings and be an established committee prior to the April 1 application deadline.

SECTION E: APPLICANT HISTORY AND STEWARDSHIP

Grant History: Has the applicant received DNR recreation grants in the past? If there is an active grant, provide a status update under comments in Section E.

Closed, Sold, or Transferred Park Land: Indicate whether the applicant has closed, sold, or transferred any park land which previously received a DNR recreation grant. Use the comments box to explain the situation.

Conversion Issues: Does the community have a known unresolved conversion of grant-assisted parkland? A conversion is a change from public outdoor recreation use to some other use or, in some cases, transfer in rights-in-land. For example, selling park land, installing a cell tower or building a township hall on grant encumbered land would all be considered conversions. Provide details of conversion and status of conversion and mitigation. If you find a conversion, please contact Grants Management. More information on the MNRTF Board's policies on park stewardship and the conversion of grant-assisted parkland can be found in Appendix D and on the Department's website.

Park Entrance Policies: Does the applicant have a "residents only" policy for this park or any other parks or recreation facilities? Is an entrance fee currently in place or planned for the public to access the project site? What is the policy on reduced entrance fees for low-income users and how effective is it in bring low-income users to the park? Provide comments and upload any relevant policies and fee schedule on the Required Attachments Page.

Operation and Maintenance: Include the current year budget for parks and recreation and a general maintenance schedule for all park facilities. See the Required Attachments Section for the Maintenance Plan requirements.

SECTION F: SITE CONDITIONS

Property Checklist: All applicants must complete this section with at least ten years of information about the environmental conditions and past uses of the site proposed for acquisition or development. If you have information older than ten years indicating potential contamination at the site and have no record that conditions have changed, you must report it.

Environmental Report: If your project site has current or past uses that suggest there may be contamination, or if you have inadequate information about site conditions (that is, you answered “yes” or “unknown” for one or more questions), you are required to prepare an environmental report and upload it under Environmental Report on the Required Attachments Page.

Your application will be considered for funding if, based on the information you report, it appears the property can and will be made safe for its intended use. The required contents for this report are as shown below. It may be appropriate to engage the services of an environmental consultant to prepare this information. If the assessment and cleanup will be conducted or funded by someone other than the applicant (such as the liable party), also include in the application package a written commitment from this entity.

Contents and Headings for an Environmental Report

- A. Title Page:** The title page should include the following: Environmental Report for project name, applicant name, the name and qualifications of the person who prepared the Environmental Report, and the date it was prepared.
- B. Site Conditions:** A summary of current site conditions including any potential for contamination.
- C. Environmental Assessment Results:** A summary of the results of any environmental assessments conducted to date.
- D. Assessment and Cleanup Actions Needed:** Summarize the information available on the assessment activities that may be needed to delineate the contamination. Discuss the cleanup actions that may be needed to make the site safe for recreation use and meet the applicant’s due care obligations under the state cleanup law, Part 201 of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Also discuss to what degree the cost of assessment and cleanup actions have been determined.
- E. Implementation Responsibilities:** Indicate who will conduct and fund the assessment and cleanup actions that may be needed.
- F. Tentative Schedule:** A tentative schedule for completion of assessment and response actions and a discussion of how these actions will impact development and long-term recreation use of the site. The report should indicate that completion of assessment and response actions will not delay completion of the project during the Department-approved project period or interfere with the requirement that the entirety of a grant-assisted site be committed to public recreation use in perpetuity.
- G. Confirmation Statement:** A written statement signed by the applicant confirming that you understand the following:
 - i. If grant funding is recommended, the applicant will be required to submit additional, detailed information to the Department regarding property conditions and if this information indicates the property may be contaminated, the applicant must obtain written Department approval before acquiring or developing the property.
 - ii. The grant is subject to cancellation if the additional information indicates the site will not or cannot be made safe for its intended use within the grant project period; or the presence of contamination, even with the implementation of due care actions, will have a substantial negative impact on the overall recreation or resource protection values of the site.

Permit Issues: Indicate all possible local, state, and federal permits needed for the proposed development, especially environmental permits, and the efforts you have taken to determine the need or likelihood of obtaining the permit. If an application for land acquisition includes a site development plan that is dependent on permits, permit issues should also be addressed.

You should contact regulatory agencies as early as possible and request an evaluation of the likelihood of receiving a permit for the proposed project. If feasible, permit applications should be submitted to the appropriate agency prior to applying for a grant. Provide comments and upload any relevant communication documents on this page.

Local agencies may include:

- County Health Department
- County Road Commission
- County Drain Commissioner

State agencies may include:

- Michigan Department of Environment, Great Lakes, and Energy www.Michigan.gov/EGLE
- Michigan Department of Natural Resources, Natural Rivers Program
<https://www.michigan.gov/dnr/managing-resources/fisheries/natural-rivers>
- Michigan Department of Community Health www.Michigan.gov/MDCH
- Michigan Department of Transportation www.Michigan.gov/MDOT

SECTION G: NATURAL FEATURES OF THE PROJECT SITE

Natural resource access and protection are among the priorities of the MNRTF Program. The degree to which your project provides access to and protects important natural resources will be evaluated. In this section, if you answer “yes” to any natural resource or recreation opportunity, provide the requested information for the resource/opportunity. If you answer “no,” continue to the next listed resource/opportunity. Documentation should be provided to demonstrate the quality of the natural resource assets and how the project will provide access to these natural features such as reports, resource inventories, and letters from natural resource experts, etc. Upload any related documents in the Required Attachments under Expert Documentation.

SECTION H: WILDLIFE VALUES OF THE PROJECT SITE

Provide information about wildlife in the proposed project. Be sure to include mention of whether the project provides buffer to existing protected habitat or if a travel corridor will be protected by the project. Provide documentation of the ecological value of adjacent protected areas and/or the ability of the project site to act as a corridor/buffer. Upload any related documents in the Required Attachments under Expert Documentation.

SECTION I: NATURAL RESOURCES RECREATION OPPORTUNITIES

Consideration will only be given to recreation opportunities that this project will provide or will provide access to and not what already exists or will be accomplished outside of this project. These opportunities include water recreation opportunities, motorized recreation, hunting, fishing, bird watching or nature viewing and nature interpretation or education opportunities. If nature education/interpretation will be provided identify what type of opportunity it will be such as interpretive signage or a naturalist, if any partnerships have been formed for this opportunity and provide a description of the interpretive materials, classes, etc. Documentation should be provided to reinforce how the project will provide this opportunity such as reports, resource inventories, letters from wildlife experts, maps, etc. Upload any related documents in the Required Attachments under Expert Documentation.

SECTION J: PUBLIC ACCESS OPPORTUNITIES

This section provides the chance to note hours and days of operation as well as various means by which the public will be able to get to your project.

SECTION K: TRAILS

If your project has a trail feature, this section provides the ability to enter specific details about the amenity and intended users. Additional details about the proposed trail can be covered in the Narrative and Required Attachments Section.

Iron Belle Trail: The Iron Belle Trail is Michigan's showcase trail which will extend from Belle Isle in Detroit to Ironwood in the Upper Peninsula. Two routes of the trail exist; the segment on the west side of the lower peninsula and the north side of the upper peninsula will primarily allow hiking, and the segment on the east side of the lower peninsula and the south side of the upper peninsula will focus on biking. If your project includes development of the trail or a trailhead on the core Iron Belle Trail route or a spur of the trail, provide documentation from the DNR's Parks and Recreation Division indicating that. The interactive Iron Belle Trail map can be viewed here: https://www.michigan.gov/dnr/0,4570,7-350-79133_79206_83634---,00.html

APPLICATION NARRATIVE SECTION

The application narrative is an important source of information used to evaluate and score your application. The application narrative provides an overall picture of your proposed project. Each section of the Narrative Form has a character limit. Please be thorough but as brief as possible in your responses.

I. PROJECT JUSTIFICATION AND SUPPORT (3,000 Characters)

Tell us why you are proposing this specific project for MNRTF consideration. You may refer us to the appropriate pages of your 5-Year Recreation Plan in lieu of repeating it in your application narrative.

The following factors are intended to be examples and you are not required to respond to each one of them. The application narrative should be complete, clear and concise. Supporting documentation should be uploaded with the application to demonstrate and reinforce the narrative. Do not attach the narrative as a separate document.

Describe the Need for This Project: What is the need for the facility based on those provided by both the applicant and other recreation providers? Describe how the project relates to your 5-Year recreation plan and other relevant planning efforts such as regional trail plans, water trail plans, strategic plans and other regional initiatives. The application for grant funding should be either a specific project that was identified during the development of the recreation plan or one that meets the plan's goals and objectives.

Alignment with SCORP and Michigan Natural Resources Trust Fund Board Priorities: If applicable, describe how the application aligns with the goals of the Statewide Comprehensive Outdoor Recreation Plan (SCORP), including trails, community recreation, green technology, coordination and communication and Universal Access and Priority Project Types of the MNRTF Board.

Public Input: The applicant is responsible for providing the public adequate opportunity to review and comment on the proposed application. Although a single public meeting with advance notice is the minimum requirement, applicants should make additional outreach efforts to ensure the public is aware of the project and document those efforts in the application. This is particularly important for potentially controversial projects, such as those close to residential areas. Additional public meetings, informational mailings, local newspaper articles, and individual contact with landowners adjacent to the project site are all examples of additional outreach efforts that can benefit a project. Do not limit outreach to your own community since nonresidents may also have input.

You may also want to hold a public meeting during the time that seasonal residents are present in your community to receive their comments. This may entail holding a meeting more than six months before the application submission deadline. If conducted, the public notice and minutes from this meeting should also be included in your application. Remember that you will still be required to hold another meeting within the six months prior to the application deadline. See the Required Attachments Section for requirements of advance notice and public meetings.

Public Support: To demonstrate public support for the project, provide letters of support from members of the general public. Letters from individuals within your organization are not awarded points in this category. If there is opposition to the proposed project, demonstrate how you are working to address concerns. Public support is not demonstrated through financial commitment alone. These documents can be submitted in the Required Attachments Section under Letters of Commitment and Support for the Project.

Accessibility Review: For development applications, tell us about your process in identifying and contacting individuals and organizations, especially disability advocacy groups, to participate in planning the project, or that have agreed to assist in the operation or maintenance of the project.

All projects that are developed with assistance from the Michigan Natural Resources Trust Fund must, at a minimum, meet the Americans with Disabilities Act (ADA). Projects that go beyond ADA and strive to incorporate the Principles of Universal Design encourage equal use by people of all abilities. Describe the suggestions and

comments that were received from individuals and organizations regarding any aspect of the development in terms of accessibility and universal design. If applicable, tell us how these comments influenced the choice of location for the proposed project or its design. Minutes of meetings and letters outlining these discussions can be uploaded in the Required Attachments Section under Letter for Universal Design. Appendix B includes Sources of Information on Accessibility and Universal Design. Appendix C includes guidance on designing universally accessible recreation facilities.

As a starting point for identifying persons with physical challenges in your community, you may want to obtain information from the U. S. Census Bureau. You will also want to contact access advocacy groups and organizations located within or near your community. These may include:

- Centers for Independent Living; go to www.ncil.org for a directory
- Michigan Disability Network, go to www.dnmichigan.org for a directory
- Other advocacy groups, such as:
 - The ARC (<https://www.arcmi.org/>)
 - Other national organizations (<https://www.access-board.gov/>)
- Local schools and special education teachers
- Local rehabilitation and nursing facilities
- Neighborhood groups; and
- Other groups the project will serve and/or affect.

II. PROJECT DESCRIPTION (3,000 Characters Max)

Provide a detailed description of the project you are proposing, with reference to specific scope items for **development** projects. For **acquisition projects**, describe the intended future uses of the site and a timeframe for completion of any development necessary to provide those uses.

Projects should be designed with consideration of the proposed site and the intended users. We encourage you to consider the following examples:

- Minimize the impact on natural features at the site. For example, placing active recreation areas away from bird watching areas and constructing new facilities in the least environmentally sensitive areas or renovating existing facilities.
- Providing a project that meets the community's needs without being extravagant.
- Designing facilities to be appropriate in scale for the level of anticipated use.
- Designing the entrance and traffic flow pattern into the park for the safety and convenience of motorized and non-motorized uses. Consider your ability to link the site to public transportation and trails.
- Minimize the traffic flow within the park and avoid multiple road crossings whenever possible.
- The relationship of proposed facilities to existing support facilities and provision of necessary support facilities.
- Routing linear parks (trails) to maximize their use for recreation opportunities.
- Addressing safety and crime issues through means such as:
 - Layout maximizes visibility of people and parking areas
 - Adequate lighting
 - Hours of operation clearly posted
 - Monitoring of project area at appropriate times and locations

- If proposed facilities will include universally accessible features, provide a description of those features, how the project incorporates the 7 Principals of Universal Design and how feedback from disability advocates or people with disabilities impacted the design of the project.
- **All new utility service lines and existing overhead lines (if directly over the facility) must be buried.**

Trail Projects: For trail projects, tell us about the destinations the trail will access and/or link and the design standards that you propose to use. The application should include a description of the width of trail, materials, amenities, potential user groups (motorized, non-motorized, pedestrian, equestrian, boat), distance of trail and connections that the trail may have within the community, region and beyond. Supporting documentation, including trail plan excerpts or website links, maps showing existing and proposed regional connections as well as any available promotional material, should be uploaded. Water trail projects must include way finding signage and demonstrate that promotional materials will be provided by the applicant. Iron Belle Trail projects must include supporting documentation from the DNR's Parks and Recreation Division to show the proposed trail is either part of the core route, or a spur off the core route of the trail. These documents can be uploaded in the Required Attachments Section under Project Location Map.

Renovation: For development applications, points may be earned for projects that renovate an existing facility that is approximately 20 years old for outdoor facilities and 40 years old for buildings (considering high-use and environmental factors). Renovation points may be awarded for removal and replacement with a similar scope item or upgrades to a particular existing feature such as a restroom building. Also, if multiple scope items are proposed, at least 50% of the project must be renovation to be considered for points in this category. Describe the age of the existing feature to be removed and replaced or updates to a particular feature that is 20 or 40 years old.

Sustainable Design Systems or Features: Describe the extent to which any sustainable design systems or features are being proposed in the application. Application of U.S. Green Building Council (USGBC), Leadership in Energy & Environmental Design (LEED), or Sustainable Site Initiative (SITES) practices qualify. The [SITES v2 Rating System Scorecard](#) provides a comprehensive list of planning, site design, construction, operation, maintenance, and education factors to consider. Examples may include:

- Innovative Stormwater management such as permeable pavement, rain gardens and bioswales with native plantings.
- Planning that includes reduced disturbed areas, renovation of brownfield properties for recreation, and adaptive re-use of existing structures for recreation or recreational support.
- Environmental features such as green roofs, use of Michigan native landscape materials, use of recycled materials, wood materials from sustainable forestry, reduction of light pollution, etc. which go above and beyond industry standards. (Recycled concrete, recycled metals, and low-flow water features are considered industry standards)
- Net-zero energy buildings, or use of solar, wind, and geothermal energy to support electricity needed for recreational purposes at the site.

Park Visibility & Ease of Access: Describe how the public can get to the site and factors such as:

- Are there appropriate way-finding signs?
- Is the site easily identifiable as a public park or trail?
- Is there public transportation in urban/suburban areas?
- Is the project area within a walkable distance (1/4-mile) from housing, business and commercial areas?
- Is there a safe way to get to the site by non-motorized means?

III. NATURAL RESOURCE ACCESS AND PROTECTION (3,000 Characters Max)

The narrative should address how the proposed project or acquisition will provide access to natural resources and describe the natural resources on the site and in relationship to the applicant's service area. Relevant rare or unique flora, fauna and site characteristics should be discussed in the narrative. The application should include supporting materials such as a Green Infrastructure Plan and expert documentation from a wildlife specialist, botanist, etc. in the form of letters, reports, or other similar documents. Expert documentation should be uploaded in the Required Attachments Section under Expert Documentation.

Provide the following information:

- Describe the natural features on your project site and the recreation opportunities they will provide. Be sure to include all resources and resource-based recreation opportunities indicated as present or proposed on your application form and site development form. Tell us how you will manage the site to maintain the natural features. A Maintenance Plan must be uploaded in the Required Attachments Section.
- As applicable, explain why you believe the proposed acquisition will act as a buffer for previously protected land or will act as a wildlife corridor. Describe the protection status and the ecological or wildlife values of the lands to be buffered or linked.
- Describe how this project is part of a green infrastructure or conservation plan if one exists. Upload the plan in the Required Attachments section under Expert Documentation.
- If you are not acquiring or do not control all rights in land, describe the rights you will acquire/control and explain how this will affect your ability to manage and provide public outdoor recreation at the site.

Consider the following factors to determine the recreation potential and environmental importance of the land you want to acquire or develop with MNRTF assistance. If you have any of the features shown below, upload letters from natural resource experts and/or web links (and indicate the appropriate pages to view) in the Required Attachments Section under Expert Documentation.

- The types of natural resources on the property and the recreation opportunities they will provide. The MNRTF Board has designated certain natural resources as significant—high quality wetlands, critical sand dune areas, Great Lakes and their connecting water bodies (Detroit, St. Mary's, and St. Clair Rivers and Lake St. Clair), rare plant and animal species and communities, land that is or will become part of the Pigeon River Country State Forest, dedicated natural rivers, and land that is or will become part of a dedicated wilderness or natural area.

Note: For a list of threatened and endangered species, dedicated rivers, and dedicated wilderness or natural areas, you may refer to the Department's web page at www.Michigan.gov/DNR. For information about rare plants, animals, and other significant features, refer to the Michigan Natural Features Inventory website at <https://mnfi.anr.msu.edu>. For general information on wetlands and sand dunes, visit the Department of Environment, Great Lakes, and Energy website at www.Michigan.gov/EGL.

- The quality and quantity of the natural resource. **Properties that support high-quality natural resources that can be hunted/fished/viewed receive points for these features.** Generally, the larger the parcel, the more valuable it is for resource protection and use. However, the quality and quantity of the natural resource can be evaluated based on other factors as well, such as the number and species of wildlife that can be hunted/fished/viewed, the hunting/fishing seasons allowed, the rarity of the species or natural community present on the site, and the amount of frontage on a water body.
- The ability of a proposed acquisition project to act as a winter deeryard, to buffer previously protected wildlife habitat, or to function as a wildlife corridor. Provide documentation such as a letter from the DNR or planning document for confirmation of DNR-identified winter deeryard.
- Acquisitions of a Natural Area Buffer or Wildlife Corridor - A buffer serves to help shield existing conservation lands from negative impacts such as intensive development. The buffer section of the application will be scored on the extent of the connection between protected properties. A wildlife corridor serves to connect previously protected parcels of land so that wildlife can move between them, through areas that do not provide the food or protection they need outside the corridor. The wildlife corridor

section of the application will be scored on the extent of the connection between protected properties and ability for wildlife passage. Only acquisition projects receive points for providing buffers and wildlife corridors.

Recommended support documentation includes: a website link or relevant pages of a well-documented Land Management Plan, evidence that the existing property is already permanently protected through public or land conservancy ownership (either fee ownership or permanent easement), expert documentation of wildlife ecological values of the existing protected property and proposed acquisition site, commitment from the applicant to continue to manage the acquired land in coordination with the landowners of the existing protected property for its wildlife/ecological values and with appropriate public access and recreation. The commitment can be in the form of a letter, resolution or similar document.

- Acquisition of a new dedicated hunting area in a location of the state which is lacking in hunting access. The acquisition project will involve 500 or more acres of land in one of the DNR's Managed Public Land Strategy zones or, if the project involves less than 500 acres, the project will acquire land in a strategy zone, and it is reasonable to conclude that the area can grow to 500+ acres in the future. A public land strategy zone map is provided in Appendix I. The DNR Managed Public Strategy can be viewed here: <https://www.michigan.gov/dnr/managing-resources/public-land/strategy>
- The sustainability of the natural resource. The likelihood that a natural resource will persist is dependent on several factors. These may include the type of resource, the current population size, its ability to withstand hunting or fishing pressure or other use, and the present and future uses of the surrounding land. Sustainability of the resource may also depend on your ability to effectively manage the land to protect fragile areas, to allow temporary closure at critical times, (such as during breeding seasons), and to mimic or restore natural disturbances.

IV. OTHER INFORMATION (2,000 Characters Max)

Provide any other information you believe will give us a more complete understanding of your proposed project.

REQUIRED ATTACHMENTS SECTION

Links may be used to complement the application, but relevant documents or excerpts should be uploaded in the appropriate locations within the application on MiGrants. All uploads should have easily readable font sizes and information presented in a clear, concise format. Acceptable file types are doc, xls, jpeg, GIF, and pdf. The maximum file size per upload is 25 MB. All location maps, site development plans, boundary maps, and other graphic information should be formatted to 8.5 inches by 11 inches or other standard size. They should be clear, legible, detailed, and appropriately labeled. Grants Management staff use these materials to help evaluate your application and to find and evaluate your site.

Required Attachments for ALL Applications (Required to be uploaded in MiGrants):

- ☐ **Maintenance Plan**
- ☐ **Project location map**
- ☐ **Site development plan**
- ☐ **Boundary map** delineating the legal boundaries of the site
- ☐ **Photographs of the site**
- ☐ **Certified Resolution** from the governing body
- ☐ **Advance notice of a public meeting** to receive public comment on the application
- ☐ **Certified minutes of the public meeting** where the public hearing was held and certified meeting minutes where the resolution was passed by the governing body that is authorized to allocate matching funds for the application
- ☐ **Copy of most recent deed(s) for the parcel(s)**
- ☐ **Environmental Report** if applicable based on *Property Checklist* in Section F of the application
- ☐ **Notice of Intent Form** (PR5750-2)
- ☐ **Transmittal of the Notice of Intent Form** to the regional clearinghouse

Required Attachments for ACQUISITION applications only:

- ☐ Plat or parcel map with subject parcel(s) highlighted
- ☐ Copy of most recent tax bill for the parcel(s)
- ☐ Draft easement or other agreement, if applicable

Required Attachments for DEVELOPMENT applications only:

- ☐ *Documentation of Site Control Form* (PR5750-4)
- ☐ Preliminary floor plans and elevation drawings for proposed structures, if applicable

Additional Information for ALL applications:

- ☐ Letters of support for the project
- ☐ Documentation of local match sources
- ☐ Correspondence regarding regulatory permitting issues, if applicable
- ☐ Expert documentation to support the features in Sections G and I

Additional Information for DEVELOPMENT applications Only:

- ☐ Universal Design Documentation

PLEASE DO NOT UPLOAD COPIES OF YOUR 5-YEAR RECREATION PLAN WITH YOUR APPLICATION.

REQUIREMENTS FOR ALL APPLICATIONS

MAINTENANCE PLAN

- Acquisition Application: Include a simple management plan including invasive species control where relevant and demonstrate the ability to fund maintenance such as a millage, annual budget, staffing, etc.
- Development Application: For the proposed project provide the annual maintenance schedule (including invasive species control where relevant), maintenance costs, lifecycle cost, maintenance staffing, and provide the current maintenance budget. Provide any maintenance agreements with others which may be relevant to this project. Examples may include multi-year contracts, or a formal endowment which relates to continual and on-going care of the proposed improvements.

PROJECT LOCATION MAP

The project location map must be uploaded in this section, but it is also recommended that other supporting maps be uploaded here as well.

- Project Location Map: The project location map is required and should be sufficiently detailed so that a person (such as your regional grant coordinator or an MNRTF Board member) unfamiliar with the site or your community can find it using only the map. The legible map should include street and road names, landmarks, and an indication of compass direction. If you are doing a trail or trailhead project, it is important to show connectivity to regional trails through maps.
- Regional Plans: Upload relevant pages of regional trail plans, motorized trail plans (ORV and/or snowmobile), water trail plans and promotional materials. Web links may be provided to supplement the uploads, but make sure to upload any relevant maps or sections of plans.
- Iron Belle Trail: If the project is on the Iron Belle Trail, upload a map showing the trail in relation to the large-scale plan and a second plan zoomed in to the project location if the Site Plan does not show the segment clearly.

SITE DEVELOPMENT/CONCEPTUAL SITE PLAN

The site development plan must show the entire site to be developed and delineate and label the location and type of all proposed uses. Features such as wooded areas, wetlands and water bodies, and all existing uses, including buildings and other development need to be identified. Surrounding land uses should also be noted. If

the site is large, also provide an enlargement of the project area and label the proposed and existing uses so that more detail is visible.

If there are currently any non-recreation uses on the project site or such uses are proposed for the future, these uses should be clearly depicted on the site plan and excluded from the project boundary.

For **development** projects, the placement of all scope items proposed in the application must be depicted. It should be clear which items already exist, which are parts of the proposed project, and which are future development. Site development plans should represent the final plans for the proposed project, subject to minimal change during project implementation.

All proposed facilities must be designed in accordance with state and federal accessibility requirements. The site development plan must indicate that all grant-funded facilities will be accessible and include features such as walkways, ramps, and other items required to provide access to people with disabilities. Access routes must be provided to the proposed scope items, accessible parking and/or park access points and relevant support facilities. Facilities that directly support the scope items should be accessible. Applications that do not clearly indicate that the proposed project and access are or will be made accessible will be considered ineligible. Your plans for developing **acquisition** project sites may be at a more preliminary stage called a conceptual site plan. We will use as much information on your plans for the site as you provide in evaluating acquisition applications. At a minimum, you should depict your short-term plans for making the site available to the public upon acquisition.

Required Accessibility Standards: The proposed project must meet the accessibility requirements of the 2010 Americans with Disabilities Act Design Standards; including all proposed recreation facilities, access routes from the proposed facilities to parking and relevant support facilities and for parking for users of the proposed facilities. For proposed facilities such as hiking trails, camping facilities, picnic facilities and beach access routes that are not covered under the 2010 ADA Design Standards, follow the US Access Board Outdoor Developed Areas Accessibility Guidelines. Trails on Federal property must meet the Forest Service Trail Accessibility Guidelines. Designing facilities to Universal Design principals is recommended. Disability advocates and members of the community with disabilities should be included in the planning process so that the project meets the needs of the community. The Site Plan and Floor Plans (when buildings are proposed) should provide labels, dimensions, or other details in order to demonstrate ADA and proposed UD features. The Site Plan and Floor Plan must be uploaded in the Required Attachments Section. Meeting minutes and accessibility review letters can be uploaded in the Required Attachments Section under Letter for Universal Design.

Appendix B includes Sources of Information on Accessibility and Universal Design. Appendix C includes guidance on designing universally accessible recreation facilities.

Principals of Universal Design: These principals were developed by the Center for Universal Design, North Carolina State University.

- Principal 1: Equitable Use – The design is useful and marketable to people with diverse abilities.
- Principal 2: Flexibility in Use – The design accommodates a wide range of individual preferences and abilities.
- Principal 3: Simple and Intuitive Use – Use of the design is easy to understand, regardless of the user's experience, knowledge, language skills, or current concentration level.
- Principal 4: Perceptible Information – The design communicates necessary information effectively to the user, regardless of ambient conditions or the user's sensory abilities.
- Principal 5: Tolerance for Error – The design minimizes hazards and the adverse consequences of accidental or unintended actions.
- Principal 6: Low Physical Effort – The design can be used efficiently and comfortably and with a minimum of fatigue.
- Principal 7: Size and Space for Approach and Use – Appropriate size and space is provided for approach, reach manipulation, and use regardless of user's body size, posture or mobility.

The project should allow users to move freely between the proposed project and support facilities. In general, there should not be separate routes for users with disabilities, such as ramps and stairs at a building entrance; all users should be able to move freely between the existing support facilities and parking. If parking and support facilities are not part of the project scope, they must, at a minimum, meet ADA.

Based on the demographic characteristics of your community, the information you receive from meeting with local groups and organizations, and your decision about the type of project you want to develop, you will want to consider in your design the use by people with a variety of disabilities that may affect their ability to:

- Walk independently
- Stand, balance/walk on uneven surfaces
- Step up or down
- See some or not at all
- Communicate with spoken word
- Reach in any/all directions
- Grip with one or both hands
- Transfer from a wheelchair
- Rise from a seated position
- Understand information
- Any other disabilities people in your community may have.

BOUNDARY MAP

Boundary maps should clearly define the boundary of the area under legal ownership or control of the applicant or proposed to be purchased. In other words, the area described in the deed, lease or easement for this site. The boundary map and site development plan can be the same document as long as the boundary is clearly highlighted. Use permanent landmarks like streets and water bodies, as well as dimensions to clearly define the area. The boundary map must match the legal description of the area described in the Documentation of Site Control Form for Development projects. This map, in conjunction with the site control form and documentation, is used to determine if you have adequate control over the property to be developed. If there are currently any non-recreation uses within the boundary of the project site or such uses are proposed for the future, these uses (and structures) should be clearly depicted and excluded from the boundary.

SITE PHOTOGRAPHS

Pictures should be labeled to indicate what is in the picture, the compass direction and how the picture relates to the site plan, such as the placement of proposed new facilities. Upload space is limited, and it is recommended that a photo sheet is created using Word, Adobe PhotoShop or PowerPoint. Please do not upload individual photos. File size is limited to 25 MB per upload.

CERTIFIED RESOLUTION

The governing body of the local unit of government must pass a resolution authorizing the application within six months prior to the application deadline. Resolutions passed to approve a recreation plan will not meet this requirement. See Appendix F for a resolution template. The resolution should:

- List and commit to the match, as a dollar amount and percentage of the total project cost, and to all source(s) of match as specified in the application
- Be sealed and signed by the Clerk or otherwise authenticated
- If the applicant chooses to increase the grant request or match amount by October 1, a new resolution must be uploaded in the application. Make sure the original resolution passed before the grant deadline remains in the application as well.

ADVANCE NOTICE OF A PUBLIC MEETING

All applicants must hold at least one public meeting to receive input about the application **within the six-month time period before the application deadline and before a resolution committing to the application is passed by your highest local governing body**

Include a copy of the newspaper advertisement or other means that your community used to notify your citizens, including people with disabilities, about the public meeting to discuss and comment on the project. The notice must advise the reader that the community is considering an MNRTF grant application and include a brief

description of the proposed project, including the specific location of the project. The meeting must be held within six months prior to submitting an application. Notifications must meet the Open Meetings Act, Act 267 of 1976. Notifications must be in a means that is typically used by the municipality for public hearings, must include a posting date and be certified by the publisher.

MINUTES OF THE PUBLIC MEETING

Include a certified copy of the complete set of minutes from the meeting held to receive public comment about the project. The minutes must include all comments made by the public on the project. If the meeting included several topics, highlight the relevant section(s). If there was opposition to the project expressed at the meeting, the application should include a discussion of the steps that will be taken to address the concerns raised. Upload a copy of the meeting minutes. Please do not use links to minutes on websites. If there were separate meetings for the public hearing and when the highest governing body passed a resolution supporting the application, provide certified copies of both sets of meeting minutes. Both sets should show that the public had an opportunity to comment prior to a resolution being passed.

COPY OF MOST RECENT DEED

Upload the most recent deed(s) for the property to be acquired or that is within the development project boundary.

NOTICE OF INTENT FORM (PR 5750-2) AND ACCOMPANYING TRANSMITTAL

The regional planning agency for your county must be notified of your application through receipt of a *Notice of Intent Form* prior to submittal of the application. Include a copy of the transmittal conveying the *Notice of Intent Form* or other evidence that the form was submitted to the regional planning agency, as well as a copy of the completed form. The addresses of the regional planning agencies are listed on the back of the Notice of Intent form.

REQUIREMENTS FOR ACQUISITION APPLICATIONS ONLY

PLAT OR PARCEL MAP

The parcel(s) to be acquired should be clearly delineated on a plat map or parcel map. The map should show the legal boundaries of the property.

TAX BILL FOR THE PARCEL TO BE ACQUIRED

Upload the tax bill(s) for the parcel(s) to be acquired.

COPY OF A DRAFT EASEMENT FOR PURCHASES OF LESS THAN FEE SIMPLE TITLE

If your application proposes the purchase of less than fee-simple title, you must include a copy of the draft easement or other legal documentation with your application.

REQUIREMENTS FOR DEVELOPMENT APPLICATIONS ONLY

DOCUMENTATION OF SITE CONTROL FORM (PR5750-4)

Indicate the type of control you currently hold or will hold by October 1st of the year of application. **Generally, leases and other non-perpetual interests will only be allowed if the lessor is also a unit of government legally constituted to provide public recreation, and the lease contains language that the lessor would assume all grant obligations for the grant-assisted area, including keeping the grant-assisted area open for public outdoor recreation in perpetuity.** The length, terms, and conditions of leases or easements are subject to Department approval. In addition, leases or easements should not contradict program standards and cannot have conditions that interfere with your ability to provide public access and use of the site and project facilities. Site control must be obtained by the October 1st deadline by submitting the *Documentation of Site Control Form* and providing supporting documentation.

The following table provides additional information on eligible types of site control and documentation. If the project site is under multiple types of control, or multiple parcels of other-than-fee-simple ownership, provide a separate *Documentation of Site Control Form*, with appropriate supporting documentation, for each parcel.

Include a copy of the deed for each parcel. Upload the *Documentation of Site Control Form* and Deed, Lease, or other evidence of site control in the Required Attachments Section under Site Control Form and Deed.

TYPE OF CONTROL	DOCUMENTATION NEEDED
Fee Simple Title	<i>Documentation of Site Control Form</i> with property description and signature from the applicant's attorney or a local official with authority to verify that the information is correct. Submit property deed.
Proposed Fee Simple Title	<i>Documentation of Site Control Form</i> with property description and signature from applicant's attorney or a local official with authority to verify that the information is correct. Also, a written commitment signed by the landowner to transfer ownership (fee simple title) to the applicant immediately upon a grant award. The commitment should provide a description of the property to be transferred and describe the terms of the transfer and any conditions that must be met before or after the transfer. In most cases, applications dependent upon the applicant purchasing the site will be considered ineligible, unless the applicant can demonstrate that the owner has made an unconditional commitment to sell the property by a specific date and the applicant has documented that they have the funds available for immediate purchase. If the site to be developed is in the process of being acquired with previously approved grant assistance, the development application will not be eligible until the acquisition project is complete.
Property Ownership That is Less-Than-Fee-Simple (such as when mineral or timber rights are lacking)	<i>Documentation of Site Control Form</i> with property description and signature from applicant's attorney, verifying that the applicant has adequate rights to develop the site consistent with the grant proposal and that the rights not held by the applicant, including mineral rights, will not interfere with the applicant's short- and long-term grant obligations. If grant is awarded, a copy of the recorded deed will also be required prior to project agreement execution.
Current or Proposed Lease or Easement	<i>Documentation of Site Control Form</i> with property description and signature from applicant's attorney, verifying that the applicant has adequate rights to develop the site consistent with the grant proposal and that the rights retained by the lessor, will not interfere with the applicant's short- and long-term grant obligations. Generally, leases and non-perpetual easements will only be allowed if the lessor is also a unit of government legally constituted to provide public recreation, and the lease contains language that the lessor would assume all grant obligations for the grant-assisted area, including keeping the grant-assisted area open for public outdoor recreation in perpetuity. If the lease or easement has not yet been executed, a copy of the draft document and a letter of commitment from the landowner are required.

PRELIMINARY FLOOR PLANS AND ELEVATIONS

If the proposed project includes any buildings or structures, such as pavilions, restrooms, or bridges, the application must include basic floor plans and elevations for these structures and any universally accessible design features. They do not have to be measured drawings but should show the relevant structures and approximate dimensions. Catalogue drawings or illustrations are acceptable for most items. If the proposed project contains Universal Design features, more dimensions may be required to demonstrate how the project goes beyond ADA. If structures are not proposed upload a blank document with a statement such as, this is not applicable.

ADDITIONAL ATTACHMENTS FOR ACQUISITION AND DEVELOPMENT

LETTERS OF SUPPORT

Upload to MiGrants any letters of support that you receive from the general public, local businesses, homeowner's associations, legislators, and any other entity showing support and public awareness of your project. Letters of support received after the application deadline should be retained and submitted during the Supplemental Information period. Please do not mail or email support letters to Grants Management.

DOCUMENTATION OF MATCH COMMITMENT(S)

By October 1st of the year you apply, you must provide written documentation for the match sources you indicated on your application form, as follows:

- If any portion of the match is to be made up of funds from **other grant funding sources**, include a copy of the notification of award and information on the scope of work and budget provided in the other grant application. Grant applications which have not been awarded are not considered secure match.
- If any portion of the match is to be made up of **cash, labor, or material donations**; include a letter from each donor committing to their donation. Donations of services should include an hourly rate and estimated hours of work to complete the service. Donated labor must be valued at minimum wage unless a professional is donating their professional services (such as an electrician).
- If the donor is an **adjacent community** contributing to the match, include a resolution from their governing body that supports the application and commits to their portion of the match.
- For **land donations**, the letter from the donor must commit to a percentage of the appraised and DNR-approved market value of the property and a cash value. This source of match can only be used for acquisition projects.
- General **fund and force account labor** should be committed within the certified resolution of the governing body.

CORRESPONDENCE REGARDING PERMITTING ISSUES

Permits - The pre-application process should be completed with the Department of Environment, Great Lakes and Energy to determine if the project can be permitted prior to the October 1 deadline or prior to applying.

If you have received any correspondence from a regulatory agency about your proposed project, include a copy in your application package.

EXPERT DOCUMENTATION ON THE NATURAL RESOURCES AND RECREATION OPPORTUNITIES AT THE SITE

Your application may be significantly strengthened if you provide written documentation from an expert(s) on the following topics. This documentation should be uploaded in the Required Attachments Section under Expert Documentation.

- The quality and quantity of the significant natural resources, hunting/fishing/wildlife viewing opportunities, and/or wildlife habitat values on the site.
- The value of a proposed acquisition property as a buffer or corridor connecting protected conservation lands, and the ecological value of the conservation lands.
- The quality of the nature interpretation and education opportunities or hunter education/safety programs to be provided.
- Any other claim regarding the environmental value or resource-based recreation opportunity that you include in your application.

Examples of the experts that can potentially help strengthen your statements about your project and its natural features/recreation opportunities include:

- Michigan Department of Natural Resources fish and wildlife biologists,
- Ecological consultants,
- Regional land trust or conservancy staff, and

- Members of clubs and organizations, such as a local birding or sportsman's club.

Other documents that may be uploaded in the Required Attachments Section under Expert Documentation may include:

- Green Infrastructure Plan
- Land Management Plan
- Commitment to protection of adjacent land for natural and wildlife values
- Promotional Material for Water Trails

ENVIRONMENTAL REPORT

If your project site has current or past uses that suggest there may be contamination, or if you have inadequate information about site conditions you are required to prepare an environmental report. See Section F: Site Conditions for more details.

ADDITIONAL ATTACHMENTS FOR DEVELOPMENT APPLICATIONS

UNIVERSAL DESIGN DOCUMENTATION

Upload shop drawings, catalogue cut-outs, drawing details, narrative or other documentation to demonstrate how the proposed project is going above and beyond ADA.

If an individual with a disability, their family member, or an advocate provided design review for this project, upload meeting minutes or letters documenting that input on the proposed project. Documentation should specify how the project or specific relevant scope items will meet ADA or go beyond ADA to Universal Design.

ADDITIONAL INFORMATION SECTION

There is a 2,000-character limit to describe any additional information not covered in the other sections of the grant application. At a minimum, this section must include the following items.

- List any parks within your system for which you have a “residents only” policy.
- Discuss any parks which you have closed, sold or transferred in the last 5 years. Describe the reason, process and outcome. Were any of these parks purchased or developed with recreation grant funds?
- Discuss any health advisories for the water bodies accessed by your project. Describe how these advisories will affect the use of the site and your proposed facilities.

CERTIFICATION

SIGNATURE

The application must be submitted by the Authorized Official registered in MiGrants who represents the local unit of government applying for MNRTF grant assistance. This person must be legally authorized to act on behalf of the community to make a commitment of the necessary resources to complete the project.

By submitting the application, the local unit of government is certifying that they:

1. Have read and understand all of the information included in the MNRTF Application Guidelines booklet (IC1905) and this application form, and
2. Are prepared to commit the necessary resources to complete the project as proposed, including sufficient funding to initiate the project prior to receiving reimbursement of costs incurred, and
3. Are prepared to dedicate the entire area funded with MNRTF grant assistance, as described in the project agreement, to public outdoor recreation in perpetuity.

CHAPTER 3: SUBMITTING DOCUMENTS IN MiGRANTS

Applications must be submitted in MiGrants. Anyone who is added to an application document will receive auto-generated notices from MiGrants. Whoever is working on the applications should check e-mail regularly and feel comfortable working in the system. The application pages in MiGrants are very basic and this application guideline booklet provides additional instruction and should be reviewed thoroughly by the applicant.

SUBMITTING AN APPLICATION

The Authorized Official is the only role which can initiate and submit a grant application. Other staff can be added to the local unit of government's MiGrants account (Agency Staff, Financial Staff, etc.) and then added to the application document. Consultants can also be added to the document. These other roles can make changes to documents which are initiated by the Authorized Official. The following are steps to submit an application.

1. Authorized Official logs into MiGrants.
2. In the "My Opportunities" box look for the grant you want to apply for and click on it to initiate an application. If you have an application from a past Trust Fund cycle that wasn't funded, you can select that application to Copy Forward. If not, leave Don't Copy Forward in the drop-down menu. You have now created an MNRTF application.
3. The Landing Page will appear after you initiate the application and every time you open a saved application. The Application Number is listed in document information. **Please note:** after you have completed steps 1-2 above, you have initiated an application and there is a document number exclusive to that application. It will be in a format similar to this – TF20-1234. If you leave this page and want to return to it, login and click on the Searches tab and search for the application number. If you use steps 1-2 above again, it will create a brand-new application. If you need to start multiple applications complete all of the steps listed above.
4. Use the left-navigation menu and complete all application pages listed under Forms. The Authorized Official, Agency Staff or Consultant can upload and make changes to application pages in the system. Make sure to save after each upload, after making changes to a page or before navigating away from the page. Changes will not automatically be saved.
5. Once all pages are complete and there not any page errors, the Authorized Official can change the status to submit the application.
6. On the left-navigation menu go to Status Options, then click "Application Submitted". **This is the menu you will go to throughout the application process to change the status.**
7. Make sure the application is submitted before the application deadline or you will be unable to complete the application process.

ADMINISTRATIVE COMPLETENESS

After your application is submitted, your Grant Coordinator will complete an Administrative Completeness Review. This is a preliminary review of required documents such as the notification of public meeting and meeting minutes. You will be given a period of time to provide missing information. Failure to provide the correct documents may cause the application to be ineligible for consideration. This is a minimal review to ensure that the application includes the required minimum contents and does not include qualitative evaluation of the submitted materials.

At this time, you will only be allowed to upload the documents identified in the Administrative Completeness Review. You must upload those documents in the Required Attachments Section of the application. You must not delete or alter any portion of the application. New documents must be identified in the file name with the ending, updated and the date.

When the documentation is uploaded and saved, the Authorized Official will submit the changes by changing the status to "Additional Information Submitted".

SUBMITTING SUPPLEMENTAL INFORMATION

After you received your preliminary grant scores there will be a period to upload supplemental material to clarify information or to try to increase your score. To participate in the supplemental information, the Authorized Official

must change the status to “Supplemental Information in Process”. You will only be able to modify Section B: Project Funding and Explanation of Match Sources, Section C1/C2: Project Details and the Supplemental Information pages. Save the page after making changes or uploading documents before you move onto another section or submit the supplemental information.

- If you are modifying the grant request amount, match amount, or match source you must update Section B. The totals for Section B and Section C1/C2 must be the same. Increasing the application request or match requires a new resolution to be uploaded during the supplemental period.
- If you are modifying the scope items or parcel information you must modify Section C1/C2.
- The Supplemental Narrative Page includes a narrative box and an area to upload documents.
 - Uploads are limited to 25 MB. For another upload box to appear you must save a document. You are limited to 10 upload boxes, so you may have to combine documents.
 - If you are adding scope items, they will not be counted if they are only listed in the narrative. They must be added to Section C2.
- After you have completed uploads, the Authorized Official must submit the document by changing the status to “Supplemental Information Submitted”.

GENERAL MiGRANTS INFORMATION

MiGrants Notifications – The Authorized Official and anyone else who is added to the application document in MiGrants will get system generated e-mails when there is a status change and may also receive e-mails from the Grant Coordinators. Do not reply to any e-mail notifications from MiGrants. System messages will come from the e-mail address migrants-noreply@michigan.gov. If you receive an e-mail, it may direct you to complete additional steps or pages.

ADDING NEW MEMBERS TO YOUR ORGANIZATION

For local units of government, the Authorized Official can add members to their organization. Communities should search for their consultants in the system after they have registered their firm or agency. For consultants, the Key Person can add members to their organization.

1. The Authorized Official should log in to MiGrants
2. Click on Profile
3. Click on Organization Members
4. Click on the + (plus) button
5. Fill out the user information, select the role, and set an inactive date (if applicable)
6. Click the Save
7. You will need to let that person know their login and password. Do not create an account for a Consultant or Engineer unless they are a staff member for your organization.
8. Once added to an organization, a user will automatically be added to new applications or grants. Follow the steps for Adding People to Documents to add this user to an existing application or grant.

ADDING EXISTING MEMBERS TO YOUR ORGANIZATION

Consultants and engineers must register under their own companies in MiGrants prior to being added to any grantees membership. They should not be added as Agency Staff to a local unit of government's account.

1. The Authorized Official should log in to MiGrants
2. Go to My Administration > Organization & Person > Person Search
3. Enter their name and click the Search button
4. Click on the name of the person you're adding to your organization
5. Confirm the profile matches the information for the person you're adding to the organization

6. Click on the + next to Organizations
7. Select your organization from the dropdown list
8. Select the user role
9. Select an inactive date, if applicable
10. Click Save
11. If you are adding a consultant who is not registered, please ask them to register under their firm first before adding them to your organization.
12. Once added to an organization, a user will automatically be added to new applications or grants. Follow the steps for Adding People to Documents to add this user to an existing application or grant.

ADDING PEOPLE TO DOCUMENTS

Each time an Authorized Official initiates an application, PSB, ACQ, reimbursement or you are awarded a grant, a new document will be created in MiGrants. Members of an organization added after a document is created will not automatically have access to the existing documents. To add members of the organization or consultants to a document the following steps must be completed by the Authorized Official.

1. The Authorized Officials should log in to MiGrants.
2. Open the document.
3. From the left-navigation menu, go to Tools
4. Click “Add/Edit People”.
5. Click on the + (plus) button.
6. Search for the person to add.
7. Fill out their role on the document, the date they should become active on the document. Do not put an end date unless you don’t want that person to have access to the document after a certain date.
8. Click Save.

REMOVING MEMBERS FROM YOUR ORGANIZATION

1. The Authorized Official should log in to MiGrants.
2. Click the dropdown arrow next to their name.
3. Click on Profile.
4. Click on Organization Members.
5. Click on the pencil icon to edit details about a member.
6. Set an inactive date for the date the member should be removed.
7. Save the page. The member’s name will still appear, but they will not be able to access any organization documents.

CHAPTER 4: APPLICATION SCORING CRITERIA

There are eleven core criteria for evaluating development and acquisition applications. In addition, the MNRTF Board has chosen two priority project types for development applications and four priority project types for acquisition applications. An application may only earn points under one of the priority project types. All core criteria and priority project types are listed below, along with a brief description of the factors used to score each one.

Applications will be scored based on the specific information provided in the application. In most cases, Grants Management staff will also visit a site as part of the application evaluation process. While staff tries to visit as many sites as possible, do not rely on site visits as the primary way to communicate project information to us.

DEVELOPMENT APPLICATION SCORING CRITERIA

1. PUBLIC SUPPORT	POINTS
A. The application/recreation plan demonstrates that the proposed project is supported in the community/region and a resolution of support has been approved by the local governing Board. Also, there is minimal public opposition to the proposed project or applicant is working to address the concerns. Opposition based primarily on the desire to keep the public from the state's natural resources will not be considered.	10
Maximum Possible Points	10
2. PROPOSED MAINTENANCE	POINTS
A. Within the provided maintenance plan and associated materials, the applicant has demonstrated that a <u>combination of</u> long-term dedicated funding (millage, operation & maintenance budget, etc.), existing and permanent fulltime operational staff, multi-year contracts, or a formal endowment exists which relates to continual and on-going care of the proposed improvements.	20
B. Within the provided maintenance plan and associated materials, the applicant has demonstrated at a minimum that <u>one</u> of the following is in place: long-term dedicated funding (millage, operation & maintenance budget, etc.), existing and permanent full-time operational staff, multi-year contracts, or a formal endowment exists which relates to the continual and on-going care of the proposed improvements.	10
C. Only a maintenance plan was provided with <u>no or limited</u> additional details ensuring that the continual and on-going care of the proposed improvements are in place.	0
Maximum Possible Points (A or B or C)	20
3. SITE QUALITY	
A. PARK VISIBILITY	POINTS
i. The site is easily recognizable as a public park and is easy to locate or will have adequate directional or identification signage in place.	10
ii. The site is moderately recognizable as a public park, or the location needs signage improvements to be more easily recognized.	5
iii. Site is difficult to locate and is difficult to recognize as a public park	0
B. EASE OF ACCESS	POINTS
i. Ability to get to the site in multiple ways besides an automobile, such as: sidewalks, trail, or public transportation	10
ii. Ability to get to the site in an additional way besides an automobile	5
iii. Site can only be accessed by automobile	0

C. SUSTAINABLE DESIGN		POINTS
i. Entire proposed project is designed with sustainable systems or features, where applicable.		25
ii. A majority of the proposed project is designed with sustainable systems or features, where applicable.		20
iii. The proposed project includes at least three sustainable systems or features, where applicable.		15
iv. Fewer than three proposed sustainable design features.		0
D. Renovation: Renovation or removal and replacement of an existing outdoor facility that is at least 20 years old with the same type of facility OR renovation of a building or structure that is at least 40 years old. The cost of the renovation must represent a majority of the total project cost.		25
Maximum Possible Points (A + B + C + D)		70
4. QUALITY OF OVERALL PARK DESIGN		POINTS
A. Site Plan: Site is compatible with its intended purpose and the site plan is clear and understandable.		10
B. Application clearly describes the proposed and existing facilities at the site. Development is feasible and fully compatible with the size, natural and physical characteristics of the site. Expected traffic flow pattern is safe and convenient, access routes are provided to all facilities, facilities are placed to have the least environmental impact, layout maximizes groundwater infiltration, and the recreation and support facilities do not negatively impact each other.		20
C. Application clearly describes the proposed, existing, and future facilities at the site, including clear site plans. However, there are concerns about expected traffic flow, access to facilities, environmental impacts or the impact facilities will have on each other.		10
D. The application does not clearly describe the proposed, existing, and future facilities at the site or there are strong concerns about the expected traffic flow, access to facilities, environmental impacts or the impact facilities will have on each other.		0
Maximum Possible Points A + (B or C or D)		30
5. APPLICANT HISTORY		POINTS
A. Applicant has not received a development grant from the recreation grant program in the past 10 years (MNRTF, LWCF, Recreation Passport).		20
B. Per capita development grant assistance (MNRTF, LWCF, Recreation Passport) received by the applicant in the past 10 years is less than the median value awarded to all communities over the past 10 years.		10
C. Per capita development grant assistance (MNRTF, LWCF, Recreation Passport) received by the applicant in the past 10 years exceeds the median value awarded to all communities over the past 10 years.		0
D. Compliance with Program Procedures: The applicant is in compliance with all requirements at park sites that have been acquired or developed with recreation grant assistance in the past—including signage requirements. Also, the applicant has complied with Department procedures while completing grant-assisted projects (acquisition and development) awarded in the past 6 years. Points will be awarded if the applicant has never received a grant. Issues that are considered: <ul style="list-style-type: none"> PA execution (60 days) PSB and Contractors (180 days) Progress reports (every 180 days) Final reimbursement (90 days after the end of the project period) Recognition plaques are in place at grant-assisted sites Conversions or other significant changes in use at grant-assisted sites Post-completion reports 		25

E. Applicant has a formal recreation Department, DNR division or parks committee.	10
F. Conversion History: Applicant has a known unresolved conversion of a grant-assisted site to a use that does not qualify as public outdoor recreation (applies to all grant programs).	-50
Maximum Possible Points (A or B or C) + D + E + F	55
6. NATURAL RESOURCE ACCESS AND CONSERVATION	POINTS
A. Project provides direct access to the highest quality natural resource-based recreation opportunities such as Critical Dune Areas, frontage on Great Lakes or their connecting water bodies (Detroit River, St. Mary's River, St. Clair River, or Lake St. Clair), frontage on Designated Natural Rivers, land that is or will become part of a dedicated wilderness, natural area, or Pigeon River Country State Forest.	60
B. Project provides direct access to good quality natural resource-based recreation opportunities such as inland lakes, rivers, natural communities or resources.	40
C. Project provides direct access to fair quality natural resource-based recreation opportunities.	20
D. Project will provide minimal natural resource-based recreation opportunities OR no natural resource values were noted in the application materials.	0
E. Project will provide supporting amenities and features of the Natural Resources at the site. Support includes trailheads, parking lots, restroom buildings, or interpretation. If supporting A - 30 points, B - 20 points, C - 10 points.	30
Maximum Possible Points (A or B or C or D or E)	60
7. FINANCIAL NEED OF THE APPLICANT	
A. Lowest one-third median household income	40
B. Middle one-third median household income	20
C. Upper one-third median household income	0
MHI is based on ACS 5-Year Survey.	
Maximum Possible Points (A or B or C)	40
8. URBAN AREA RECREATION OPPORTUNITIES (PARKS WITHIN URBAN BOUNDARIES AS DEFINED BY THE U.S. CENSUS BUREAU)	POINTS
A. Park is within the political boundaries of a core or inner ring city for a Metropolitan Statistical Area.	60
B. Park is within the urbanized area for a Metropolitan Statistical Area.	45
C. Park is within the urbanized area for a Micropolitan Statistical Area.	30
D. Park is within an urbanized area which doesn't meet the criteria for a Metropolitan or Micropolitan Statistical Area, or park is within 15 miles from an urbanized area.	15
E. Park is not within 15 miles of an urbanized area.	0
Maximum Possible Points (A or B or C or D or E)	60

APPLICANT MATCH*				
Local Match Percentage*	Top ~2% Median Household Income	Top 1/3rd MHI	Middle 1/3rd MHI	Bottom 1/3rd MHI
0-25%	0	0	0	0
26-29%	0	0	10	15
30-39%	0	10	15	25
40-49%	10	15	25	35
50%+	15	25	35	45
* Only match that is documented and secure is used to score this criterion.				
MAXIMUM POSSIBLE POINTS				45
9. ENTRANCE FEES				POINTS
A. No entrance fees; OR Site is readily accessible by methods other than the automobile (applicant must demonstrate this through site records or other means) and there is no entrance fee when using these alternative methods to get to the park (e.g., public transportation, bicycle, walk-in); OR Entrance fees in place with partial or complete waiver available and applicant can demonstrate that the waiver policy is effective in bringing people with low incomes into the park.				25
B. Entrance fees in place with partial or full waiver but effectiveness in bringing people with low incomes into the park is questionable, OR Park entrance fees are waived, reduced, or by-donation-only on a regular basis for all users.				15
C. Entrance fees in place with no waiver for low-income users.				0
Maximum Possible Points (A or B or C)				25
10. UNIVERSAL ACCESS DESIGN				POINTS
A. The applicant obtained a design review from a person with a disability in their community, an organization representing people with disabilities or an advocate for persons with disabilities. Documentation of this review was provided.				10
B. The entire project is designed using the Principles of Universal Design with the intent to provide accessible recreation for all users. These criteria apply to scope items where ADA standards and guidelines apply.				25
C. A majority of the project is designed using the Principles of Universal Design. These criteria apply for scope items where ADA standards and guidelines apply.				15
D. Some of the project is designed using the Principles of Universal Design. These criteria apply for scope items where ADA standards and guidelines apply.				10
E. ADA standards and guidelines do not apply to the scope items OR scope items do not exceed ADA standards.				0
Maximum Possible Points A + (B or C or D or E)				35
TOTAL POSSIBLE POINTS UNDER CORE DEVELOPMENT CRITERIA 1-11				450

PRIORITY PROJECT TYPES OF THE MNRTF BOARD – DEVELOPMENT

Listed are the maximum possible points that may be earned under each priority project type. An application may earn points under only one of the priority project types. Factors used to score applications, and their associated points, will be developed and available for review on the evaluation worksheet.

1. TRAILS	POINTS
<p>A. Land Trails: Development of a regional land trail or trailhead which is part of a well-documented* and promoted existing trail network -or- Development of a newly identified regional trail or trailhead which is/are identified in a planning document adopted by the applicant or another recognized trail management agency or unit of government</p> <p>Water Trails: Development of a water trail access site on a river that has been designated by the state or federal government as a water trail or is part of a well-documented* and promoted existing water trail network -or- Development of a water trail access site on a newly proposed water trail that is identified in a planning document adopted by the applicant or another recognized water trail management agency or unit of government.</p> <p>*Documentation and promotion include an adopted plan, maps, online presence, and signs.</p>	50
<p>B. Land Trails: Development of a local land trail or trailhead which is documented. At a minimum, a conceptual trail map must be provided. -or- Water Trails: Development of a trailhead and/or watercraft launch facility for a proposed local water trail that has minimal or no likelihood of connecting to a larger body of water or providing a longer paddling experience. At a minimum a conceptual trail map must be provided.</p> <p>*Trail development should include wayfinding and promotion materials.</p>	30
C. Trail amenities: The emphasis and intent of the overall project is focused on supporting amenities for a local or regional trail such as signs, kiosk, pavilions or other trail or trailhead items.	10
D. Not a Trail Project: The application is not a trail project or, is a path within a park property that offers minimal distance and does not have connectivity to a larger pathway network	0
2. REGIONALLY SIGNIFICANT	POINTS
A. The Department has determined that the project is regionally significant to their prosperity region, the state of Michigan, the Midwest or the country through a combination of their planning processes, diversified partners, and uniqueness and significance of natural resources or recreational opportunities. In addition, the project would provide public natural resource based recreational opportunities that are not otherwise available within a reasonable distance. When viewed in its entirety, the project is likely to significantly affect the quality of life for the regional community and visitors.	50
B. Project is not regionally significant to the prosperity region, the State of Michigan, the Midwest, or the country.	0
Total Board Priority Points	50
TOTAL POSSIBLE CORE + BOARD PRIORITY POINTS	500

ACQUISITION APPLICATION SCORING CRITERIA

1. PUBLIC SUPPORT	POINTS
The application/recreation plan demonstrates that the proposed project is supported in the community/region. Also, there is minimal public opposition to the proposed project or applicant is working to address the concerns. Opposition based primarily on the desire to keep the public from the state's natural resources will not be considered. Documentation of support was provided.	5 or 10
Maximum Possible Points	10
2. PROPOSED MAINTENANCE	POINTS
A. Within the provided maintenance plan and associated materials, the applicant has demonstrated that a <u>combination of</u> long-term dedicated funding (millage, operation & maintenance budget, etc.), existing and permanent fulltime operational staff, multi-year contracts, or a formal endowment exists which relates to continual and on-going care of the proposed improvements.	20
B. Within the provided maintenance plan and associated materials, the applicant has demonstrated at a minimum that <u>one</u> of the following is in place: long-term dedicated funding (millage, operation & maintenance budget, etc.), existing and permanent full-time operational staff, multi-year contracts, or a formal endowment exists which relates to the continual and on-going care of the proposed improvements.	10
C. Only a maintenance plan was provided with <u>no or limited</u> additional details ensuring that the continual and on-going care of the proposed improvements are in place.	0
Maximum Possible Points (A or B or C)	20
3. SITE QUALITY	POINTS
A. Ability to Get to the Site: The park can be directly and safely accessed and is appropriately located for the type of project.	20
B. Compatibility: Site is compatible with its intended purpose. Site is compatible with the proposed site design, if the site is to have developed facilities in the future. Site design is clear and understandable.	20
C. Conservation or Green Space Planning: Proposed project is part of a local or regional plan which focuses on land conservation or green space planning. Documentation has been provided to MNRTF staff.	25
D. Property will be purchased fee simple.	20
Maximum Possible Points (A + B + C + D)	85
4. APPLICANT HISTORY	POINTS
A. Applicant has not received an acquisition grant from the recreation grant program in the past 10 years.	20
B. Per capita acquisition grant assistance received by the applicant in the past 10 years is less than the median value awarded to all communities over the past 10 years.	10
C. Per capita acquisition grant assistance received by the applicant in the past 10 years exceeds the median value awarded to all communities over the past 10 years.	0

<p>D. Compliance with Program Procedures: The applicant is in compliance with all requirements at park sites that have been acquired or developed with recreation grant assistance in the past—including signage requirements. Also, the applicant has complied with Department procedures while completing grant-assisted projects (acquisition and development) awarded in the past 6 years. Points will be awarded if the applicant has never received a grant. Issues that are considered:</p> <ul style="list-style-type: none"> • PA execution (60 days) • PSB and contractor approval (180 days) • Progress reports (every 180 days) • Final reimbursement (90 days after the end of the project period) • Recognition plaques are in place at grant-assisted sites • Conversions or other significant changes in use at grant-assisted sites • Post-completion reports 	25
E. Applicant has a formal recreation Department/DNR division or parks committee.	10
F. Conversion History: Applicant has a known unresolved conversion of a grant-assisted site to a use that does not qualify as public outdoor recreation (applies to all grant programs).	-50
Maximum Possible Points (A or B or C) + D + E + F	55
5. NATURAL RESOURCE ACCESS AND CONSERVATION	POINTS
A. The project will effectively implement the priorities identified in Michigan's Wildlife Action Plan to conserve the most imperiled or rare species and community types, or include Critical Dune Areas, frontage on Great Lakes or their connecting water bodies (Detroit River, St. Mary's River, St. Clair River, or Lake St. Clair), frontage on Designated Natural Rivers, land that is or will become part of a dedicated wilderness, natural area, or Pigeon River Country State Forest.	70
B. The project will conserve or provide direct access to documented high-quality natural communities or resources, rivers, or lakes which are not listed in criteria A.	50
C. The project will conserve or provide direct access to a commonly found natural resource.	30
D. The acquisition and intended use of the property will provide minimal natural resource conservation or access OR no natural resource values were noted in the application materials.	0
E. Project will provide a good quality hunting, fishing, or wildlife viewing opportunity.	20
Maximum Possible Points (A or B or C or D) + E	90
6. FINANCIAL NEED OF THE APPLICANT	POINTS
A. Lowest one-third median household income	40
B. Middle one-third median household income	20
C. Upper one-third median household income	0
*MHI is based on ACS 5-Year Survey.	
Maximum Possible Points (A or B or C)	40
7. URBAN AREA RECREATION OPPORTUNITIES (PARKS WITHIN URBAN BOUNDARIES AS DEFINED BY THE U.S. CENSUS BUREAU)	
A. Park is within the political boundaries of a core or inner ring city for a Metropolitan Statistical Area.	60
B. Park is within the urbanized area for a Metropolitan Statistical Area.	45
C. Park is within the urbanized area for a Micropolitan Statistical Area.	30

D. Park is within an urbanized area which doesn't meet the criteria for a Metropolitan or Micropolitan Statistical Area, or park is within 15 miles from an urbanized area.				15
E. Park is not within 15 miles of an urbanized area.				0
Maximum Possible Points (A or B or C or D)				60
APPLICANT MATCH*				
Local Match Percentage*	Top ~2% Median Household Income	Top 1/3rd MHI	Middle 1/3rd MHI	Bottom 1/3rd MHI
0-25%	0	0	0	0
26-29%	0	0	10	15
30-39%	0	10	15	25
40-49%	10	15	25	35
50%+	15	25	35	45
* Only match that is documented and secure is used to score this criterion.				
MAXIMUM POSSIBLE POINTS				45
8. ENTRANCE FEES				POINTS
A. No planned entrance fee; OR Site will be readily accessible by methods other than the automobile and there will be no entrance fee when using these alternative methods to get to the park (e.g., public transportation, bicycle, walk-in), OR There will be an entrance fee with partial or complete waiver available and the waiver policy is likely to be effective in bringing people with low incomes into the park.				25
B. There will be an entrance fee with partial or full waiver but effectiveness in bringing people with low incomes into the park is questionable, OR Park entrance fee will be waived, reduced, or by-donation-only on a regular basis for all users.				15
C. There will be an entrance fee with no waiver for low-income users.				0
Maximum Possible Points (A or B or C)				25
9. LAND OWNERSHIP				POINTS
A. Project is located in a county that contains 50% or more privately owned land.				15
Maximum Possible Points				15
10. MOTORIZED RECREATION USE				POINTS
A. Project allows motorized recreation use (ORV and/or snowmobile).				5
Maximum Possible Points				5
TOTAL POSSIBLE POINTS UNDER CORE ACQUISITION CRITERIA 1-11				450

PRIORITY PROJECT TYPES OF THE MNRTF BOARD – ACQUISITION

Listed are the maximum possible points that may be earned under each priority project type. An application may earn points under only one of the priority project types. Factors used to score applications, and their associated points, will be developed and available for review on the evaluation worksheet.

1. TRAILS	POINTS
<p>A. Land Trails: Development of a regional land trail or trailhead which is part of a well-documented* and promoted existing trail network -or- Development of a newly identified regional trail or trailhead which is/are identified in a planning document adopted by the applicant or another recognized trail management agency or unit of government</p> <p>Water Trails: Development of a water trail access site on a river that has been designated by the state or federal government as a water trail or is part of a well-documented* and promoted existing water trail network -or- Development of a water trail access site on a newly proposed water trail that is identified in a planning document adopted by the applicant or another recognized water trail management agency or unit of government.</p> <p>*Documentation and promotion include an adopted plan, maps, online presence, and signs.</p>	50
<p>B. Land Trails: Development of a local land trail or trailhead which is documented. At a minimum, a conceptual trail map must be provided. -or- Water Trails: Development of a trailhead and/or watercraft launch facility for a proposed local water trail that has minimal or no likelihood of connecting to a larger body of water or providing a longer paddling experience. At a minimum a conceptual trail map must be provided.</p> <p>*Trail development should include wayfinding and promotion materials.</p>	30
<p>C. Trail amenities: The emphasis and intent of the overall project is focused on supporting amenities for a local or regional land or water trail such as signs, kiosk, pavilions or other trail or trailhead items.</p>	10
<p>D. Not a Trail Project: The application is not a trail project or, is a path within a park property that offers minimal distance and does not have connectivity to a larger pathway network.</p>	0
2. REGIONALLY SIGNIFICANT	POINTS
<p>A. The Department has determined that the project is regionally significant to their prosperity region, the state of Michigan, the Midwest or the country through a combination of their planning processes, diversified partners, and uniqueness and significance of natural resources or recreational opportunities. In addition, the project would provide public natural resource based recreational opportunities that are not otherwise available within a reasonable distance. When viewed in its entirety, the project is likely to significantly affect the quality of life for the regional community and visitors.</p>	50
<p>B. Project is not regionally significant to the prosperity region, the State of Michigan, the Midwest, or the country.</p>	0
3. LAKE AND RIVER PUBLIC ACCESS	
<p>A. Acquisition of land (or permanent public access easement) that includes Great Lakes shoreline that is located in a DNR mapped “gap” area where there is a stretch of shoreline greater than 5 miles without public access.</p>	50

B. Acquisition of land (or permanent public access easement) that includes Great Lakes shoreline that is not located in a mapped “gap” area but increases public access to the Great Lakes shoreline, or land (or permanent public access easement) on an inland lake greater than 100 acres in size, or on a navigable river where there is a stretch greater than 5 miles without public access.	30
C. Acquisition of land that does not include Great Lakes shoreline, or access to an inland lake greater than 100 acres in size, or on a navigable river.	0
4. WILDLIFE HABITAT AND HUNTING ACCESS	
A. Winter Deer Yard Acquisitions	POINTS
i. Acquisition of functioning winter thermal cover (does not require habitat management) within the core a of DNR-identified winter deer yard. Documentation, such as a letter from the DNR or planning document will need to be provided for confirmation of DNR-identified winter deer yard.	50
ii. Acquisition of lowland within a DNR-identified winter deer yard that requires habitat management to become fully functioning winter thermal cover. Documentation, such as a letter from the DNR or planning document will need to be provided for confirmation of DNR-identified winter deer yard.	30
iii. Acquisition of uplands immediately adjacent to a DNR-identified winter deer yard, i.e., land containing habitat that supports deer in the deeryard. Documentation, such as a letter from the DNR or planning document will need to be provided for confirmation of DNR-identified winter deer yard.	10
iv. Acquisition of land that is not a deer yard or does not contain habitat that supports deer in a deer yard.	0
B. Wildlife/Ecological Corridors and Natural Area Buffers	POINTS
i. Corridor: The acquisition provides a connection between at least two existing protected properties sufficient for wildlife passage.	50
ii. Buffer: The acquisition provides a complete connection on at least one entire side of an existing protected property and documentation was provided.	
iii. The acquisition provides a connection to at least a portion of an existing protected property significant enough to provide a buffer and documentation was provided.	30
iv. The acquisition does not provide a corridor, buffer, or a significant connection to an existing protected property, or documentation was not provided.	0
C. Hunting Access	POINTS
i. The acquisition provides a new dedicated hunting area in a location of the state that has been identified as lacking in hunting opportunity acreage per the DNR's Managed Public Land Strategy. Eligible projects will involve 500 or more acres of land in one of the strategy zones OR, if less than 500 acres, are in a strategy zone and located where it is reasonable to conclude that the area can grow to 500+ acres in the future.	50
ii. The acquisition does not provide a new dedicated hunting area or does not meet eligibility requirements.	0
TOTAL BOARD PRIORITY POINTS	50
TOTAL POSSIBLE CORE + BOARD PRIORITY POINTS	500

APPENDIX A: MICHIGAN NATURAL RESOURCES TRUST FUND HISTORY

BASIS AND PURPOSE OF THE PROGRAM

The basis of the Michigan Natural Resources Trust Fund is simple: convert one non-renewable resource; minerals on publicly owned lands, into another: land for public recreation. The Kammer Recreational Land Trust Fund Act (1976 PA 204) was passed by the Michigan Legislature and signed by the Governor on July 23, 1976, creating the Michigan Land Trust Fund (MLTF). Funds were accrued from the sale of oil, gas, and mineral leases and royalties from oil, gas, and mineral extractions on state lands. The Legislature could appropriate the interest of the fund and a portion of the annual revenue for the acquisition of land for public outdoor recreation. The fund was expected to grow to \$100 million dollars; at that point only interest on the fund would be used for projects.

On November 6, 1984, the citizens of Michigan ensured that the concept of the MLTF would be part of the State's recreation fabric in perpetuity and approved Proposal B, creating within the Michigan constitution the Michigan Natural Resources Trust Fund (MNRTF). This new fund was created from the Michigan Land Trust Fund, and the Michigan Legislature implemented the constitutional amendment through the Michigan Natural Resources Trust Fund Act (PA 101 of 1985). The MNRTF officially replaced the Michigan Land Trust Fund on October 1, 1985, and was capped at \$200 million. The constitutional amendment formally established the grant program to local units of government. These local government grantees would be required to provide at minimum of 25% of their project's costs as a local match. In addition, up to 25% of the funds available each year could be used for the development of facilities for public recreation. The ceiling on the fund also grew to \$200 million.

On November 9, 1994, Michigan residents cast their votes in favor of Proposal P, which amended Section 35, Article IX, of Michigan's constitution. This amendment increases the cap on the Trust Fund principal from \$200 million to \$400 million.

On August 6, 2002, Michigan residents approved Proposal 2. This amendment to Article IX allows the MNRTF to invest in a wider array of investments and raised the cap on the maximum allowable amount from \$400 million to \$500 million, which was reached in June of 2011.

On November 3, 2020, Michigan voters approved Proposal 1. This amendment to Article IX allows the MNRTF to recommend grants of no less than 25% of available funds toward development projects and no less than 25% of available funds for acquisition projects. In addition, once the State Park Endowment Fund reaches its cap of \$800 million, this amendment will require that future mineral revenues will accrue to the MNRTF once again, with no cap on future accruals.

HOW REVENUE FOR THE TRUST FUND IS GENERATED

Since the MNRTF cap was reached in June of 2011, the funds available for grant awards come from interest on the \$500 million corpus. The program's operating expenditures, as well as taxes on lands acquired for state ownership through this program, are paid by the Trust Fund.

ADMINISTRATION OF THE MICHIGAN NATURAL RESOURCES TRUST FUND

The Department of Natural Resources administers the MNRTF program, conducting the application evaluation process and project administration. The DNR also provides support to the MNRTF Board of Trustees (Board). The Board is composed of five members of the public and has the responsibility for recommending the projects to receive MNRTF support. The five members are the Director of the DNR or the Chairperson of the Natural Resources Commission (or his or her designee) and four citizen members appointed by the Governor. The Board meets at least six times a year, and all meetings are open to the public.

PROGRAM GOALS

The overall goals of the MNRTF direct the Board to financially assist both the purchase of land or specific rights in land for recreation or protection of land because of its environmental importance or scenic beauty, and the appropriate development of land for public outdoor recreation use. The five goals, as prioritized by the Board, are:

1. Resource Protection
2. Water Access
3. Community Recreation
4. Urban Recreation
5. Economic Development

RESOURCES PROTECTION GOAL:

To protect Michigan's natural resources, and provide for their access, public use, and enjoyment.

Natural resources are essential to the ecologic, recreation, and economic future of Michigan and must be protected to ensure against their loss. Resources in need of such protection include (but are not limited to) forests, fish and wildlife and their habitats, wetlands, sand dunes, flood plains, and natural and wilderness areas. Development proposals can further this goal by helping to protect natural resources from user impacts and by facilitating appropriate public use and enjoyment of those resources. Proposals of special interest are those involving resources in imminent danger of loss unless acquired or protected and include rare, fragile, or scenic areas or resources; endangered or threatened species of fish, wildlife, or plants; hunting or fishing opportunities; development of lands previously acquired with Trust Fund assistance; the Pigeon River Country State Forest area; and any natural features identified as significant under the Michigan Natural Features Inventory.

WATER ACCESS GOAL:

To provide public access to Michigan's water bodies, particularly the Great Lakes, and to facilitate their recreation use.

Michigan's inland lakes, Great Lakes and connecting waters, rivers, and streams are precious recreation resources. Projects enhancing recreation use of these resources are encouraged. Many recreation activities require water and almost all are enhanced by the presence of water. The public has a legal right to use most water bodies for recreation, but that right is meaningless without public access to those waters. In many cases, facilities for water-based recreation are also required. Adequate water access and related facilities are lacking at many locations in Michigan. Because of their unique recreation values, the Great Lakes and their shorelines are particularly precious; special consideration is, therefore, given to acquisition or development proposals to provide or enhance access to or recreation opportunities on these water bodies.

COMMUNITY RECREATION GOAL:

To meet regional, county, and community needs for outdoor recreation opportunities.

Outdoor recreation needs range from protection of outstanding natural resources to active sports facilities. The Board helps units of government acquire and develop lands to meet those needs. Indoor facilities are considered only if their primary purpose is to support outdoor recreation.

URBAN RECREATION GOAL:

To improve the opportunity for outdoor recreation in Michigan's urban areas

Nearly two-thirds of Michigan's citizens, including most of our elderly, poor, and minority citizens, live in urban areas. Many of their recreation needs and desires could be met within those areas, increasing their opportunity for recreation without the need for extensive travel. Recreation land acquisition in these areas is especially

important due to rising land costs and lack of public open space. Great strides have been made in recent years to improve recreation opportunity in urban areas, but the Board believes more can be done.

ECONOMIC DEVELOPMENT GOAL:

To stimulate Michigan's economy through recreation-related tourism and community revitalization.

From time to time, Michigan's economic difficulties focus attention on the need to strengthen the state's economic base. Recreation land acquisition and development can contribute to this effort by expanding the state's travel and tourism industry and by making our communities more attractive places to locate business and industry. The Board encourages proposals for projects that would have such economic impacts.

ADDITIONAL PRIORITIES OF THE BOARD:

In addition to these goals, the Board continually seeks wise investment of MNRTF dollars to provide the best long-term return to the people of Michigan. Funds for recreation acquisition and development are limited, and far more MNRTF dollars are requested than are available. Long-term benefit from MNRTF expenditures requires that recipients are able and willing to carry out proposed acquisition and development fully and promptly, and to operate, maintain, and inform the public about recreation lands and facilities far into the future. The Board evaluates the capabilities of potential fund recipients in these respects.

To be eligible for MNRTF grants, local units of government must have a current Department-approved 5-year recreation plan describing their capabilities and their park and recreation objectives. Proposed recipients must make recreation lands and facilities supported by MNRTF dollars available to all Michigan residents and visitors who abide by reasonable rules. Projects that would primarily benefit the general public, rather than a narrow segment of that public, or projects that would provide a scarce or increasingly rare opportunity, are favored.

MNRTF LAND NOMINATIONS

While only state and local governments may apply to the MNRTF to acquire property, any individual, group, or organization may nominate land for consideration. A nomination is a suggestion that the Department consider a property for acquisition. Individuals wanting to submit nominations must complete PR1909, which can be obtained from Grants Management or on the website at www.michigan.gov/dnr-grants. Site photographs and maps may be submitted in support of the nomination.

Nominations are compiled by Grants Management and provided to the land managing divisions of the Department (Wildlife; Forest Resources; Parks and Recreation; and Fisheries) for review and to determine if the division wants to submit an application for the property. Only those nominations that a division decides to submit as an application are considered for funding; however, the MNRTF Board is provided a list each year of all nominations received.

Nominations may be submitted at any time. All nominations received as of **January 1st** are compiled shortly thereafter and provided to the land managing divisions for review. Generally, the divisions will consider nominations received by January 1st as they prepare their grant applications due on April 1st, however, a land managing division may require additional time to evaluate a nomination before deciding whether to submit a grant application.

Individuals interested in nominating a property for Department ownership should keep in mind that the Department generally favors acquisition of land that is contiguous to existing Department-managed areas, such as state parks and recreation areas, state game areas, or state forests. Acquisition of privately held inholdings surrounded by Department-owned land is usually a high priority. Individuals may also contact the Department's Real Estate Services Section or one of the Department's land managing divisions directly at any time about a land acquisition opportunity and are also encouraged to contact local governments in the area to determine their interest in acquiring the property.

APPENDIX B: SOURCES OF INFORMATION ON ACCESSIBILITY AND UNIVERSAL ACCESS

U.S. ACCESS BOARD

www.access-board.gov

The U.S. Access Board is designated by the Americans with Disabilities Act (ADA) as the agency responsible for developing minimum accessibility [guidelines](#) to ensure that new construction and alteration of facilities covered by ADA are accessible and useable by people with disabilities.

[Americans with Disabilities Act Accessibility Standards 2010](#)

US FOREST SERVICE

<https://www.fs.usda.gov/recreation/programs/accessibility/>

The U.S. Forest Service has developed the [Forest Service Trail Accessibility Guidelines](#). The guidelines incorporate the Outdoor Developed Areas Accessibility Guidelines as well as existing USFS policies which include universal design considerations and agency terminology and processes. These standards must be followed for hiking trails on Federal land and the North Country Trail, a federally designated hiking trail.

NATIONAL CENTER ON ACCESSIBILITY

www.ncaonline.org

The National Center on Accessibility is a collaborative program of Indiana University and the National Park Service. It provides information on access for people with disabilities in recreation.

THE CENTER FOR UNIVERSAL DESIGN

<https://design.ncsu.edu/research/center-for-universal-design/>

The Center for Universal Design is a national information, technical assistance, and research center that evaluates, develops, and promotes accessible and universal design in housing, commercial, and public facilities, outdoor environments, and products.

GREAT LAKES ADA CENTER

[ADA Great Lakes Center](#)

The Great Lakes ADA Center provides information, materials, technical assistance, and training on the Americans with Disabilities Act. Topics addressed includes the non-discrimination requirements in employment, the obligations of state and local governments and business to ensure that programs, services and activities are readily accessible to and useable by people with disabilities.

MICHIGAN DISABILITY RESOURCES

www.michigan.gov/disabilityresources

The Michigan Department of Labor & Economic Growth created this website, which is devoted specifically to the interests, concerns, and needs of Michiganders with disabilities. The website offers information on services and programs for people with disabilities offered by the state of Michigan as well as other sites of interest.

MICHIGAN DISABILITY NETWORK

www.dnmichigan.org

The Michigan Disability Network represents the 15 Centers for Independent Living (CILs). They are a resource for accessibility education, advocacy and removing barriers for people with disabilities. The website includes a directory for the CILs.

APPENDIX C: GUIDANCE ON DESIGNING SPECIFIC TYPES OF RECREATION AND SUPPORT FACILITIES THAT EXCEED ADA FOR UNIVERSAL ACCESSIBILITY

The following table lists design aspects that should be considered when designing the specified type of recreation or support facility for universal accessibility. This guidance is not exhaustive or mandatory, but it will be used by Grants Management staff when reviewing your application for universal accessibility.

TYPE OF RECREATION FACILITY	UNIVERSAL ACCESS DESIGN CONSIDERATIONS
Walkways and Trails:	<ul style="list-style-type: none"> - Walkways within a site – at least 6 feet wide with cross-slopes under 2% and running slopes under 5% - Multi-use trail – at least 8 feet wide, with cross-slopes under 2% and running slopes under 5% - Regional trail system – at least 10 feet wide, with 1-foot buffers on either side, with cross-slopes under 2% and running slopes under 5% - unitary surface like concrete, boardwalk or asphalt, crushed aggregate/screenings that have been “stabilized” or natural soils enhanced with soil stabilizers - transition plates between trail and pedestrian bridges, decks, etc. - contrasting color treatment of the surface and textured surface treatments such as brushed concrete at intersections or interpretive stations to cue people who have vision impairments that there is something to pay attention to at that spot - Larger (greater than 60”X60”) level areas at all turns and intersections - thoughtfully laid out on the site to maximize the experience with minimal difficulty - accessible amenities such as benches, restrooms (port-a-johns), drinking fountains, etc.
Boardwalk:	<ul style="list-style-type: none"> - wider width so two people can walk side by side or people can pass - edge treatment to prevent roll/step off - in viewing areas all rails with clear viewing area between 32” and 51” for easy viewing - interpretive information in a variety of formats including auditory, large print, and pictures.
Nature Center:	<ul style="list-style-type: none"> - all interpretive information in a variety of formats including auditory, large print, and pictures. - creative use of technology for auditory descriptions (this gives the info. directly to the individual) closed loop assistive listening devices and closed-circuit captioning of all interpretive presentations - all displays at lowered heights for sitting or standing viewing - all operating mechanisms that are operable with one hand and do not require tight/pinch/grasp/wrist twist to operate.
Beach:	<ul style="list-style-type: none"> - routes over the beach and into the water, can be portable/temporary matting if it needs to be taken in and out for beach cleaning/dragging or in the off season - wide enough for side-by-side walking/passing - water access - at beach route end have an accessible area at the water’s edge large enough to park multiple chairs while the owners are in the water with a transfer system at the water’s edge so people can get down to the ground level and into the water.

TYPE OF RECREATION FACILITY	UNIVERSAL ACCESS DESIGN CONSIDERATIONS
Fishing dock/pier and observation/viewing decks:	<ul style="list-style-type: none"> - Fishing areas - all rails lowered to 32" or less all the way around so everyone can fish from anywhere or no rails at all with only an edge treatment to prevent roll off. Viewing areas – clear viewing space between 32" and 51". - sitting benches (all with backs and arm rests) scattered about so anglers can choose to sit or stand to fish - tackle box stands next to one bench end (not both) leaving one end clear space for sitting side by side with someone in a wheelchair - a variety of fish landing cutaways strategically placed - variety of accessible opportunities—over-water fishing, shore fishing, in-water fishing, etc. - transition plates between access route and deck/pier
Canoe/kayak/boat launch:	<ul style="list-style-type: none"> - wider route to hand wheel boat on a dolly next to the user or for two persons carry down - accessible surface to water's edge and into water at launch - more gentle slopes for easier entry and exit when hand wheeling a boat - some type of "rack" to stabilize boat at a transferable height then some type of mechanism/roller system to move, while seated in the boat, into the water - some means of transfer assistance such as overhead bars - some type of wench system to help pull boat out of water back into the rack to exit/transfer out. - if there is a dock provide a transfer system on the dock, so a person can be seated on the dock to transfer over to a boat in the water that is in some type of a stabilizer rack - adaptive kayaks available for use - shore station with a platform (instead of "V" rack) with a transfer system on the deck of the shore station, located next to a dock so someone could roll/get on the platform and lower it to the right level to transfer into a boat
Campgrounds:	<ul style="list-style-type: none"> - accessible surface on all sites, including rustic sites - larger spaces to accommodate side lifts on campers and vehicles - accessible tables, grills, and fire rings on all sites - centrally located restrooms on easy routes from each site
Camping Cabins and Yurts:	<ul style="list-style-type: none"> - larger clear space and maneuvering spaces in between all furnishings, including when all are in use (beds, tables/chairs with people seated at the table, shelves within lowered reach ranges, lowered wall hooks, etc.) - larger clear space thoughtfully located for typical portable items such as coolers, luggage, equipment/food bins/tubs, etc. - ramps not steps - wide perimeter decking - all accessible site amenities, tables, grills, fire rings, restrooms, etc.
Picnic areas and elements: Pavilions, picnic tables, grills, fire rings, water pumps, etc.	<ul style="list-style-type: none"> - all tables, grills, fire rings, water pumps, etc. accessible - all located on accessible routes - level routes onto pavilions with no changes of level from path to pavilion surface

TYPE OF RECREATION FACILITY	UNIVERSAL ACCESS DESIGN CONSIDERATIONS
	<ul style="list-style-type: none"> - wider routes and clear space with firm surface around all elements so someone with mobility limits can easily move around the element (table, grill, etc.) - a variety of table styles, some with clear sitting space on the side, some with extended tabletops on the end - some fixed tables to ensure they remain accessible (not moved off into a grassy or sandy area, etc.) - clear space all around each element so people can approach and use the grill, fire ring, etc. from the front, back and either side - grills you can lower/raise the cooking surface with one hand - raised fire building surfaces so you can place wood without leaning too far over from a standing or seated position - single user/unisex accessible shower/toilet rooms
Archery range:	<ul style="list-style-type: none"> - all stations - route to retrieval area for each target - targets also usable with cross bows - arrow back stop to limit retrieval distance - larger maneuvering spaces to accommodate archers with shooting assistants - equipment stands at accessible heights reachable from a standing or seated position at each station
Playgrounds:	<ul style="list-style-type: none"> - Ramps and transfers - has both ramp and transfer access to all play components - ramps to every “getting on spot” or “sit/stand & do it spot” of every play component - transfer system from the ground up to the main deck located near the exits of slides and climbers furthest from the ramp onto the structure - only unitary safety surface such as poured-in-place or rubber tiles NOT any loose fill materials like shredded rubber, wood chips, engineered wood fiber, or any other non-unitary surface material - on deck transfer platform at the entry point of every slide - on deck transfer platform with one open transfer side and one side with transfer steps to every entry/exit point of every climber, so kids climbing up can get down to the deck to move to another component, as they may have left an assistive device at the ground - a good variety of things to manipulate that make noise or music, have high contrast/bright colors, games that two kids can play (to foster social interaction), Braille and sign language panels to teach awareness, easy to operate with just one hand with a whole fist (does not require tight/pinch/grasp/wrist twist to operate) - different high contrast colors for decks versus transfers so kids with low vision can perceive a change in level - play panels are located at heights so they can be used from a seated position or standing
Sports fields/courts: Fields: soccer, football, baseball, etc. Courts: tennis, basketball, bocce, horseshoes, pickleball etc.	<ul style="list-style-type: none"> - routes to both sides of all fields and courts, not just end zones - accessible seating spaces both ground level and elevated if risers/bleachers are provided - accessible seating spaces scattered throughout all viewing areas and levels with companion seating on both sides of the space

TYPE OF RECREATION FACILITY	UNIVERSAL ACCESS DESIGN CONSIDERATIONS
Other: skate parks, disc golf	<ul style="list-style-type: none"> - all lowered service windows at all concession areas - wider gate openings into court areas (tennis, bocce, basketball) and skate parks to accommodate wider sports wheelchairs - routes to both horseshoe pits and along both sides of the route between pits - level routes onto bocce courts with sitting benches at both ends
Skiing/sledding hill:	<ul style="list-style-type: none"> - accessible route to top (no steps), possibly using a “magic carpet” lift - level surface for sled mounting at hilltop - if staffed, provide ATV transport or have policy that allows personal ATV use - transfer at hill bottom to help transfer down to sled and back up into chair/walker
Restrooms:	<ul style="list-style-type: none"> - Unisex/single user toilet rooms/units so opposite sex care givers can assist; also, good for parents of young children of the opposite sex so kids aren’t sent alone into the multi-user restroom - thoughtfully located near areas of activity such as play areas, beaches, fishing piers, etc. - accessible door pulls and water faucet handles - all accessible port-a-johns, again big enough for individual use or care giver/parental assistance.
Parking:	<ul style="list-style-type: none"> - more than minimum number of accessible paved parking spots - the accessible parking spot(s) must be paved, striped and signed - each connected directly to an accessible route to the park elements and NOT into the traffic flow - thoughtfully located nearest the activity entrance, which might require multiple lots (some near the beach, some near the playground, some near the bathhouse, etc.)
Interpretive Information Maps:	<ul style="list-style-type: none"> - Interpretive information and maps in a variety of formats including auditory, large print, and pictures,
Dog Parks:	<ul style="list-style-type: none"> - wider gates to accommodate someone in a larger outdoor wheelchair (or someone pushing a stroller...) - one hand operable latch mechanism located at a height that is easily reachable from a seated position - wider accessible perimeter paths around all dog run areas with curb cuts or level transitions into the run area for pet waste clean up - pet waste clean-up dispensers reachable from a seated or standing position and by kids - accessible design trash containers located away from tables and benches on the route out of the facility - accessible clear space on both ends of all benches - all accessible picnic tables, located on accessible surface with large clear space all around - shaded area with accessible sitting space connected to accessible perimeter route - accessible water source for owners and pets with easy one-handed operating mechanism located at an easy to reach height from a seated or standing position (and reachable by kids too)

AMERICANS WITH DISABILITIES ACT (ADA)

Below is a quick reference to the general minimum requirements for accessible spaces, clearances, reaches, viewing, and operation. These are not specific to types of recreation listed above. You must reference the 2010 *Americans with Disabilities Act Standards for Accessible Design Guidelines* for the specific type of recreation to find the specific scoping and technical minimum requirements. Websites at which these references can be found are listed in Appendix B.

Clear width = 36" minimum for most accessible routes	Maneuvering space = 60" by 60" minimum and level, at entries and places for change of direction
Surfaces = 1/4" maximum change, slopes less than 5%, firm and stable	Transferable height = 17"-19" with transfer supports
Head clearance = 80" high and as wide as the route	Knee clearance = 27" high by 30" wide by 25" deep
Clear space = minimum 30" wide by 48" deep located at the element	Tabletops, counters, and rail heights = maximum 34" high
Viewing = clear from 32"-51" height	Reach range = 48" maximum high forward; 15" minimum low on side

APPENDIX D: A LOOK AHEAD – IF YOUR APPLICATION IS FUNDED

BEGINNING THE PROJECT

If your application is recommended for funding by the Board, there are several steps that must occur before you can begin your project, as follows:

- Appropriation of funds by the Legislature.
- Recommendation of the approval of the grants by the Administrative Board within the Department of Technology, Management and Budget (DTMB).
- Execution of a formal Project Agreement between the Department and the grantee.

A grantee may not do any of the following until written approval from Grants Management is received:

- Close or take title to the land or rights in land.
- Solicit bids or begin the contractor selection process.
- Start site preparation work or incur any costs for which you intend to seek reimbursement.

Formal negotiations on local acquisitions may take place only after due diligence and a title search on the property have been conducted, an appraisal(s) has been completed and approved by the Department's Real Estate Services Section and Grants Management has provided written approval to proceed. See the *Acquisition Project Procedures* booklet (IC 1908) for more detailed information. The booklet is available on the DNR website at www.Michigan.gov/DNR-Grants under "Forms and Publications."

REQUIREMENTS FOR PROJECT COMPLETION

Following is a brief description of some of the key procedures and requirements for approved projects. For more detail on these procedures, consult the booklets *Acquisition Project Procedures* (IC1908) and *Development Project Procedures* (IC1912).

Using Professional Services: Grantees are required to retain professional services to complete certain portions of their project (1980 PA 299). All grantees receiving development grants must have a licensed engineer, architect, or landscape architect prepare all plans, specifications, and bid documents and verify that all construction has been completed according to acceptable standards. For acquisition projects, the grantee will be required to retain a state-certified general appraiser to complete one or more appraisals. For all acquisition and some development projects, the grantee may need to hire a qualified environmental consultant to assist them in conducting due diligence, and if necessary, determining necessary due care actions regarding environmental contamination.

Project Completion: All projects are given two years for completion. The project period begins when the Project Agreement is signed by the grantee and executed by the DNR.

Proposed projects are reviewed and scored based on the information provided in the application; therefore, successful applicants are expected to complete the project in accordance with the approved application. However, sometimes it is necessary to make changes to the project as it is being implemented. Changes to your project, such as adding or deleting scope items or adding or reducing the acreage to be acquired, require prior Department approval and possibly MNRTF Board approval.

Payment of Grant Funds: All development grants are issued as reimbursement for expenditures. The Department does not provide advance payment for approved development projects. Grantees must submit reimbursement requests, accompanied by the required documentation, to receive grant funds. For development projects, several reimbursement requests can be made over the course of project construction. Two options exist for acquisition projects: 1) Single reimbursement request made after the property is acquired, or 2) Escrow closing where the DNR provides funding for a portion of the project at closing.

Because grantees must initially cover the project cost and wait for reimbursement (except for escrow closing), applicants should ensure they have adequate funds available to initiate development projects, or in the case of acquisitions, to complete the purchase prior to reimbursement.

RESPONSIBILITIES FOLLOWING PROJECT COMPLETION

1. Retention and Use

Long-term grant obligations include keeping the land, facilities, and access ways open to the public at all appropriate times on equal and reasonable terms. Significant changes in the recreation use of the site, such as changing from passive recreation to active recreation, are subject to approval by the Department, and if appropriate, the MNRTF Board.

2. Operation and Maintenance

Sites acquired or developed with an MNRTF grant shall be operated and maintained as follows:

- The site shall have an entrance sign designating it open to the public. In addition, an official MNRTF sign must be installed in a prominent location.
- The site shall be maintained to be attractive and inviting to the public.
- Sanitation and sanitary facilities shall be maintained according to applicable health standards.
- The site shall be kept safe for public use. Fire prevention and similar activities shall be maintained for public safety.
- Facilities shall be kept open for public use at times appropriate to the type of area or facility.
- Non-recreational uses, such as cell towers and government offices, are prohibited.
- No more than 25% of boat slips or camp sites can be reserved by any one individual or group for an entire season. All reservations must be made through an open and competitive process. An exception to the 25% limit may be made if applicant can demonstrate need.
- Universal access features of the site must be maintained at all times to be accessible and usable by people with disabilities

3. Nondiscrimination and Public Access

The project site shall be open to appropriate entry and use by all persons regardless of race, color, national origin, age, marital status, height, weight, religion, sex, residency, or disability. **“Residents only” policies are not allowed for grant-assisted sites.**

Preferential membership and preferential annual permit systems are prohibited, with the exception that admission price and other fees may be based on residence. Nonresident fees shall not exceed twice that charged residents; where no resident fees are charged, nonresident fees may not exceed the rate charged residents at other similar facilities in the area open to the public.

4. Compliance Inspections

The Department will carry out periodic inspections after project completion. Grant recipients will be notified of any compliance issues raised by an inspection and are obligated to address them in a timely manner. Grant recipients may be required to periodically self-inspect and self-certify the site if Grants Management staff is unavailable for inspection.

OTHER RECREATION GRANT PROGRAMS AVAILABLE

The Department of Natural Resources: The Department administers a number of grant programs aimed at providing or enhancing public recreation opportunities. Potential applicants are encouraged to explore these funding programs. Please visit our web site at www.Michigan.gov/DNR-Grants.

Other State of Michigan Departments: Other State of Michigan departments may offer grant opportunities that fit your community's needs. Please visit the State of Michigan's web site www.Michigan.gov for additional information. Two departments that regularly offer grant funding for various types of projects are:

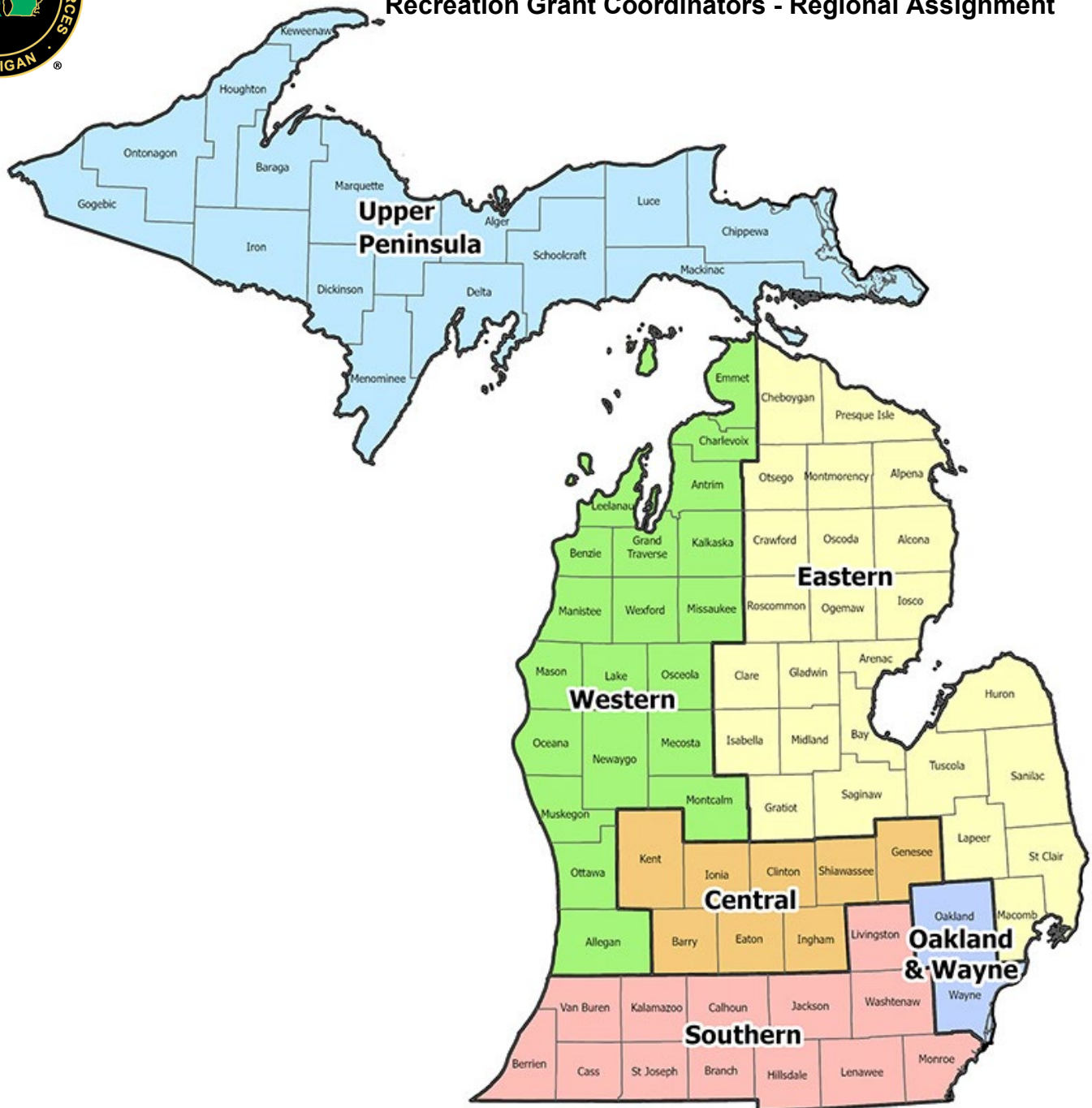
Department of Transportation: [Transportation Alternatives Program \(michigan.gov\)](http://www.Michigan.gov/Transportation)

Department of Environment, Great Lakes, and Energy: www.Michigan.gov/EGLE



APPENDIX E: RECREATION GRANT REGIONAL REPRESENTATIVES

Recreation Grant Coordinators - Regional Assignment



GRANT COORDINATORS BY REGION

Upper Peninsula and Oakland and Wayne counties: Merrie Carlock, 248-410-5892 or CarlockM@Michigan.gov

Eastern Region: Samantha Davis, 517-599-4450 or DavisS46@Michigan.gov

Western Region: Alexandria McBride, 517-242-3007 or McBrideA1@Michigan.gov

Central Region: Riley Millard, 517-927-4037 or MillardR2@michigan.gov

Southern Region: Charamy Cleary, 517-599-4565 or ClearyC1@Michigan.gov

See page 2 for additional grants contacts.

ADDITIONAL GRANTS CONTACTS

Jessica Mistak, Grants Section manager:
906-280-8876 or MistakJ@Michigan.gov

Jon Mayes, Recreation Grants Unit manager and Michigan Natural Resources Trust Fund program manager:
517-284-5954 or MayesJ@Michigan.gov

Christie Bayus, Land and Water Conservation Fund, Marine Safety Grants and Recreation Passport Grant programs manager:
517-242-8737 or BayusC@Michigan.gov

Erin Campbell, Invasive Species Grant Program manager and conversion officer:
269-300-9698 or CampbellE6@Michigan.gov

Chip Kosloski, Wildlife Habitat Grant, Fisheries Habitat Grant and Michigan Boating Pumpout Grant programs manager:
517-284-5965 or KosloskiC3@Michigan.gov

Michael Chuff, Michigan Natural Resources Trust Fund financial specialist:
517-284-5951 or ChuffM@Michigan.gov

Krista Dickerson, Wildlife Habitat Grant, Fisheries Habitat Grant, Recreation Passport Grant and Marine Safety Grants programs payment officer:
517-284-5816 or DickersonK1@Michigan.gov

Michelle Ballard, Land and Water Conservation Fund and Invasive Species Grant Program payment officer:
517-284-5974 or BallardM3@Michigan.gov

Lance Brooks, MiGrants online grant management system administrator:
517-284-5971 or BrooksL@Michigan.gov

APPENDIX F: SAMPLE RESOLUTIONS

SAMPLE RESOLUTION OF AUTHORIZATION – LOCAL UNIT OF GOVERNMENT MATCH WITHOUT DONATED FUNDS

WHEREAS, _____ supports the submission of an application titled, “_____”
to the _____ (*grant program*) for _____ (*acquisition/development*)
of _____ (*project description*) at _____ (*location or park name*); and,

WHEREAS, the proposed application is supported by the Community’s 5-Year Approved Parks and Recreation
Plan; and,

WHEREAS, _____ is hereby making a financial commitment to the project in the amount of
\$_____ matching funds, in cash and/or force account; and,

NOW THEREFORE, BE IT RESOLVED that _____ hereby authorizes
submission of a _____ (*grant program*) Application for
\$_____, and further resolves to make available its financial obligation amount of
\$_____ (___ %) of a total \$_____ project cost, during the
20__-20__ fiscal year.

AYES:

NAYES:

ABSENT:

MOTION APPROVED.

I HEREBY CERTIFY, that the foregoing is a Resolution duly made and passed by _____ of
_____ at their regular meeting held on _____ 20__, at _____ p.m. in
_____, with a quorum present.

Clerk

Dated: _____

SAMPLE RESOLUTION OF AUTHORIZATION – LOCAL UNIT OF GOVERNMENT MATCH WITH DONATED FUNDS

WHEREAS, _____ supports the submission of an application titled, “_____” to the _____ (*grant program*) for _____ (*acquisition/development*) of _____ (*project description*) at _____ (*location or park name*); and,

WHEREAS, the proposed application is supported by the Community’s 5-Year Approved Parks and Recreation Plan; and,

WHEREAS, _____ is hereby making a financial commitment to the project in the amount of \$_____ matching funds, in cash and/or force account; and,

WHEREAS, if the grant is awarded the applicant commits its local match and donated amounts from the following sources:

_____ (list organization)	\$_____ (donated amount)
_____ (list organization)	\$_____ (donated amount)
Total	\$_____ (sum of donations)

NOW THEREFORE, BE IT RESOLVED that _____ hereby authorizes submission of a _____ (*grant program*) Application for \$_____, and further resolves to make available a local match through financial commitment and donation(s) of \$_____ (___%) of a total \$_____ project cost, during the 20__-20__ fiscal year.

AYES:

NAYES:

ABSENT:

MOTION APPROVED.

I HEREBY CERTIFY, that the foregoing is a Resolution duly made and passed by _____ of _____ at their regular meeting held on _____ 20__, at _____ p.m. in _____, with a quorum present.

Clerk

Dated: _____

SAMPLE RESOLUTION – LOCAL SUPPORT FOR DNR MNRTF PROJECTS

WHEREAS, _____ supports the Department of Natural Resources' (DNR) submission of an application titled, " _____ " to the Michigan Natural Resources Trust Fund for _____ (acquisition / development) of _____ (project description) at _____ (location or park name); and,

WHEREAS, the location of the proposed project is within the jurisdiction of _____ (name of local unit of government); and,

WHEREAS, the proposed project, if completed, will be a benefit to the community; and,

WHEREAS, with this resolution of support it is acknowledged that _____ (name of local unit of government) is not committing to any obligations; financial or otherwise.

NOW THEREFORE, BE IT RESOLVED that _____ hereby supports submission of a Michigan Natural Resources Trust Fund Application for _____, by the DNR.

AYES:

NAYES:

ABSENT:

MOTION APPROVED.

I HEREBY CERTIFY, that the foregoing is a Resolution duly made and passed by _____ of _____ at their regular meeting held on _____ 20__, at _____ p.m. in _____, with a quorum present.

Clerk

Dated: _____

APPENDIX G: DOCUMENTATION OF SITE CONTROL (FORM PR5750-4)



Michigan Department of Natural Resources –Grants Management

DOCUMENTATION OF SITE-CONTROL FOR MICHIGAN NATURAL RESOURCES TRUST FUND GRANT APPLICATIONS (FOR DEVELOPMENT PROJECTS ONLY)

This information is required by authority of Part 19 of Act 451 of 1994, to be considered for a MNRTF grant.

1. SITE DESCRIPTION: Describe the project site (all areas to be developed) below and attach a legal description:		
2. SITE CONTROL: Indicate the type of control the applicant has over the site. Refer to the MNRTF application guidelines booklet for guidance on control requirements for grant applications. If there is more than one type of control or multiple leases or easements covering the project area, please provide a separate form for each lease or easement included in the project area.		
TYPE OF CONTROL	PORTION OF SITE	DOCUMENTATION ATTACHED
Fee Simple Title <input type="checkbox"/> Current <input type="checkbox"/> Proposed	<input type="checkbox"/> Entire Site <input type="checkbox"/> That portion of the site described below and as highlighted on a boundary map submitted with your application.	<input type="checkbox"/> For proposed fee simple title, a written commitment signed by landowner and the applicant to transfer ownership to applicant by a specific date. <input type="checkbox"/> Include Copy of the Deed (required for current ownership).
Less than Fee Simple Title <input type="checkbox"/> Current <input type="checkbox"/> Proposed	<input type="checkbox"/> Entire Site <input type="checkbox"/> That portion of the site described below and as highlighted on a boundary map submitted with your application.	<input type="checkbox"/> For proposed less than fee simple title, a written commitment signed by landowner and the applicant to transfer ownership to applicant by a specific date. <input type="checkbox"/> Other:
Lease <input type="checkbox"/> Current <input type="checkbox"/> Proposed	<input type="checkbox"/> Entire Site <input type="checkbox"/> That portion of the site described below and as highlighted on a boundary map submitted with your application.	<input type="checkbox"/> Copy of Current Lease. <input type="checkbox"/> Copy of Draft Lease. <input type="checkbox"/> Written commitment signed by landowner and applicant to enter into an unconditional lease for a specified timeframe. <input type="checkbox"/> Other:
Easement	<input type="checkbox"/> Entire Site <input type="checkbox"/> That portion of the site described below and as highlighted on a boundary map submitted with your application.	<input type="checkbox"/> Copy of Current Easement. <input type="checkbox"/> Copy of Draft Easement. <input type="checkbox"/> Written commitment signed by landowner and applicant to grant an unconditional easement. <input type="checkbox"/> Other:
3. LIMITATIONS, CONDITIONS OR ENCUMBRANCES:		
a. For property owned or to be owned by the applicant, describe all easements or encumbrances.		
b. For property to be controlled through other methods, describe any conditions or limitations in current or proposed leases, easements or use agreements, including restrictions on the applicant's use of the site or the rights to be reserved by the landowner, that may in any way impact the applicant's ability to complete the project in a timely manner and provide for public recreational use in perpetuity:		
<input type="checkbox"/> No limitations, conditions or encumbrances.		

4. **CERTIFICATION:** (For projects on property owned in fee simple by the applicant, the form must be signed by the applicant's attorney or another local unit official capable of certifying that the information provided).

I hereby certify that the information provided above and attached is accurate to the best of my knowledge. I understand that site control is an application eligibility requirement and an evaluation factor.

NAME (Printed/Typed) _____ TITLE _____

SIGNATURE _____ DATE _____ Attorney's Ph# _____

PR5750-4 (Rev.12/21/2016)

APPENDIX H: NOTICE OF INTENT FOR RECREATION GRANT PROJECTS (FORM PR5750-2)



Michigan Department of Natural Resources – Grants Management

NOTICE OF INTENT FOR RECREATION GRANT PROJECTS

This information is requested by authority of Part 19, Act 451 of 1994, to be considered for a MNRFT grant.

1. Name of Project		2. Date	
3a. Identity of the applicant agency, organization, or individual:		3b. Indicate below the representative of the applicant to contact for additional information regarding this notice:	
		Name	
		Address (Street/PO Box)	
		City, State, ZIP Code	
		Telephone ()	
4a. Agency from which assistance will be sought: <input type="checkbox"/> Michigan Department of Natural Resources		Name of Program: _____ Public Law or USC#: _____ <input type="checkbox"/> Michigan Natural Resources Trust Fund Part 19 of Act 451 of 1994	
5. Estimated Cost: FEDERAL: _____ STATE: _____ OTHER: _____ TOTAL: _____		6. Estimated date by which time the applicant expects to formally file an application: 7. Geographic location of the project to be assisted: (indicate specific location as well as city or county. Attach map if necessary).	
8. Brief description of the proposed project. This will help the clearinghouse identify agencies of state or local government having plans, programs, or projects that might be affected by the proposed project:			
8a. Type of project:			
8b. Purpose:			
8c. General size or scale:			
8d. Beneficiaries (persons or institutions benefited):			
8e. Indicate the relationship of this project to plans, programs, and other activities of your agency and other agencies (attach separate sheet if necessary):			

PR5750-2 (Rev. 02/14/2019)



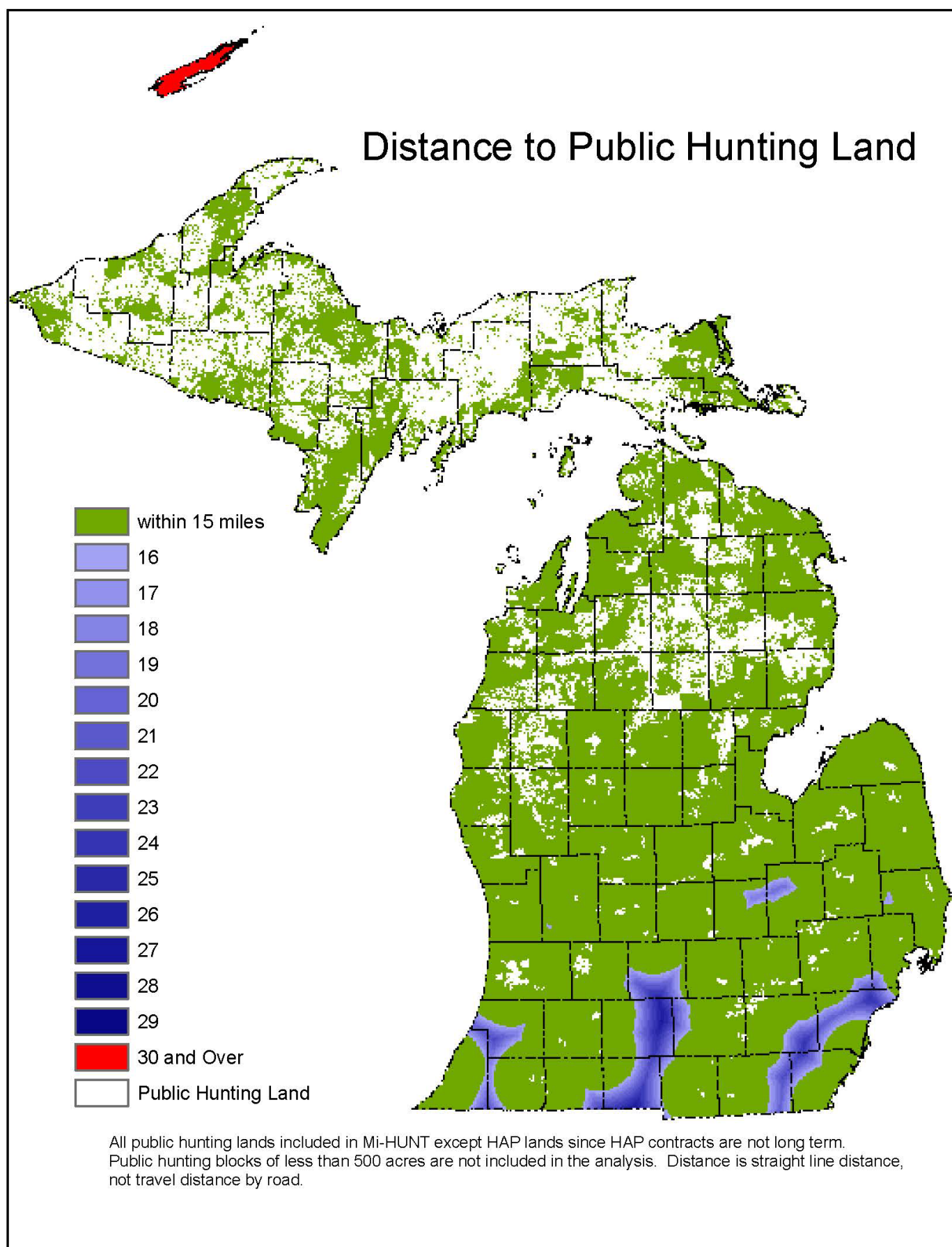
AREA WIDE RECREATION AND PLANNING CLEARINGHOUSES

This information is requested by authority of Part 19, Act 451 of 1994, to be considered for a MNRFT grant.

PLANNING REGION 1. LIVINGSTON, MACOMB, MONROE, OAKLAND, ST. CLAIR, WASHTENAW, & WAYNE COUNTIES NOTE: Paper submissions will be denied. Submit by email: infocenter@semcog.org (include email receipt with application)	SOUTHEAST MICHIGAN COUNCIL OF GOVERNMENTS (SEMCOG) 1001 WOODWARD AVE., SUITE 1400 DETROIT, MI 48226-1904 PHONE: (313) 961-4266 FAX: (313) 961-4869
PLANNING REGION 2. HILLSDALE, JACKSON, & LENAWEE COUNTIES	REGION 2 PLANNING COMMISSION JACKSON COUNTY TOWER BLDG., 9 TH FLOOR 120 W MICHIGAN AVE. JACKSON, MI 49201 PHONE: (517) 788-4426 FAX: (517) 788-4635
PLANNING REGION 3. BARRY, BRANCH, CALHOUN, KALAMAZOO, & ST. JOSEPH COUNTIES	SOUTH CENTRAL MICHIGAN PLANNING COUNCIL 300 S WESTNEDGE AVE KALAMAZOO, MI 49007 PHONE: (269) 385-0409 FAX:
PLANNING REGION 4. BERRIEN, CASS, & VAN BUREN COUNTIES	SOUTHWEST MICHIGAN PLANNING COMMISSION 376 WEST MAIN STREET, SUITE 130 BENTON HARBOR, MI 49022-3651 PHONE (269) 925-1137 FAX: (269) 925-0288
PLANNING REGION 5. GENESEE, LAPEER, & SHIAWASSEE COUNTIES	GLS REGION V PLANNING AND DEVELOPMENT COMMISSION 1101 BEACH ST., ROOM 223 FLINT, MI 48502-1470 PHONE: (810) 257-3010 FAX: (810) 257-3185
PLANNING REGION 6. EATON, INGHAM, & CLINTON COUNTIES	TRI-COUNTY REGIONAL PLANNING COMMISSION 3135 PINE TREE ROAD, SUITE 2C LANSING, MI 48911-4234 PHONE: (517) 393-0342 FAX: (517) 393-4424
PLANNING REGION 7. ARENAC, BAY, CLARE, GLADWIN, GRATIOT, HURON, IOSCO, ISABELLA, MIDLAND, OGEMAW, ROSCOMMON, SAGINAW, SANILAC & TUSCOLA COUNTIES	EAST MICHIGAN COUNCIL OF GOVERNMENTS 3144 DAVENPORT AVE., SUITE 200 SAGINAW, MI 48602-3494 PHONE: (989) 797-0800 FAX: (989) 797-0896
PLANNING REGION 8. ALLEGAN, IONIA, KENT, MECOSTA, MONTCALM, OSCEOLA, & OTTAWA COUNTIES	WEST MICHIGAN REGIONAL PLANNING COMMISSION 1345 MONROE AVENUE, NW, SUITE 255 GRAND RAPIDS, MI 49505-4670 PHONE: (616) 774-8400 FAX: (616) 774-0808
PLANNING REGION 9. ALCONA, ALPENA, CHEBOYGAN, CRAWFORD, MONTMORENCY, OSCODA, OTSEGO, & PRESQUE ISLE COUNTIES	NORTHEAST MICHIGAN COUNCIL OF GOVERNMENTS 80 LIVINGSTON BLVD., SUITE U-108 GAYLORD, MI 49734 PHONE: (989) 705-3730 FAX: (989) 732-5578
PLANNING REGION 10. ANTRIM, BENZIE, CHARLEVOIX, EMMET, GRAND TRAVERSE, KALKASKA, LEELANAU, MANISTEE, MISSAUKEE, & WEXFORD COUNTIES	NORTHWEST MICHIGAN COUNCIL OF GOVERNMENTS PO BOX 506 TRAVERSE CITY, MI 49685-0506 PHONE (231) 929-5000 FAX: (231) 929-5012
PLANNING REGION 11. CHIPPEWA, LUCE, & MACKINAC COUNTIES	EASTERN UPPER PENINSULA REGIONAL PLANNING AND DEVELOPMENT COMMISSION 1118 E. EASTERDAY AVE. SAULT STE. MARIE, MI 49783 PHONE: (906) 635-1581 FAX: (996) 635-9582
PLANNING REGION 12. ALGER, DELTA, DICKINSON, MARQUETTE, MENOMINEE, & SCHOOLCRAFT COUNTIES	CENTRAL UPPER PENINSULA PLANNING AND DEVELOPMENT REGIONAL COMMISSION 2950 COLLEGE AVE. ESCANABA, MI 49829 PHONE: (906) 786-9234 FAX: (906) 786-4442
PLANNING REGION 13. BARAGA, GOGEBIC, HOUGHTON, IRON, KEWEENAW, & ONTONAGON COUNTIES	WESTERN UPPER PENINSULA REGIONAL PLANNING AND DEVELOPMENT COMMISSION 326 SHELTON AVE. PO BOX 365 HOUGHTON, MI 49931 PHONE: (906) 482-7205 FAX: (906) 482-9032
PLANNING REGION 14. LAKE, MASON, MUSKEGON, NEWAYGO, & OCEANA COUNTIES	WEST MICHIGAN SHORELINE REGIONAL DEVELOPMENT COMMISSION PO BOX 387 / 316 MORRIS AVE., SUITE 340 MUSKEGON, MI 49443-0387 PHONE: (231) 722-7878 FAX: (231) 722-9362

PR5750-2 (Rev. 02/14/2019)

APPENDIX I: PUBLIC LAND STRATEGY ZONE MAP



APPENDIX J: SIGMA VSS ACCOUNT INSTRUCTIONS



REGISTER A NEW ACCOUNT IN SIGMA VENDOR SELF SERVICE (VSS)



A. Access SIGMA Vendor Self Service.

1. In an internet browser, **enter the URL: Michigan.gov/SIGMAVSS**
2. **Select Register.**

Note: SIGMA VSS is best viewed with Internet Explorer 11 and Firefox 3.5 or 3.6. Please disable your pop-up blocker in order to access all parts of the site.

B. Search for your account.

1. On the Memorandum of Agreement page, select **Accept Terms.**
2. On the Registration **Tips** page, select **Next.**
3. **On the Search for an Existing Account/Results Found page, enter Company or Individual search criteria and select Search.**

C. Register a new account.

1. If no results are found, select **New Registration.**

D. Enter user information.

1. On the My User Information page, enter the required fields.

Note: The password must contain a number, an upper- and lower-case letter and one of the following symbols: @ \$ # %. The password cannot contain the User ID or the word password.

2. **Select Next.**
3. **Verify the Email Address displayed and select Next.**
4. **Select Close Browser.**

Note: Your registration is started but your account is not active yet. VSS sends a verification email to the email entered in the My User Information page. Follow the instructions in the Email to access VSS and complete your registration.

E. Log in to VSS.

1. Select the link in your email to access VSS.
2. On the Login page, enter your **User ID** and **Password.**
3. Select **Login.**

F. Add new vendor account and password information.

1. Select the appropriate **TIN Type.**
2. Select the appropriate **Classification Type.**
3. If Healthcare Provider, select **Yes.**
4. Select **Next.**
5. In the Vendor Verification Based on field, enter your choice of text.
6. In the Vendor Verification Password field, enter your choice for a password.
7. In the Confirm Verification Password field, enter the same password.

Note: Healthcare Providers should enter their National Provider Information (NPI) in the National Provider ID field.

G. Add Name and 1099 information.

1. Enter your Legal Name, TIN and legal address information.

H. Add EFT information.

1. Select the bank's ABA Number, select the Account Type, and enter the Account Number.

Note: Healthcare Providers should enter Financial Institution Information and select the appropriate Account Number Linkage to Provider Identifier.

2. Select **Next**.

Note: VSS validates the address against valid postal code standards and a message is presented at the top of the screen. The system defaults to the Corrected Address as shown by the check mark but you have the option to use the Original Address entered or accept the Corrected Address option.

3. Confirm the correct address is selected and select **Next**.

I. Respond to the Address Information Questionnaire.

1. Select **Yes** or **No** to respond to the three questions.
2. Select **Next**.

J. Add address and contact information.

1. Read the user instructions at the top of the screen.
2. In the Phone field, enter your phone number.
3. In the Contact Information fields, enter the required information.
4. Select **Next**.

K. Add additional business information.

1. In the Attachments section, select **Add** to upload supporting documents.
2. In the Commodities section, select **Add** to add commodities to your account.

Note: Adding commodities gives you the ability to receive email notifications regarding State of Michigan Business and Grant Opportunities.

3. Select **Next**.

L. Review and submit the registration.

1. On the Registration Summary page, review the information and select an Update Information link to make any changes.
2. If no changes are needed, select **Submit Registration**.
3. **Review the IRS W-9 Perjury Statement that displays and select OK.**
4. **Review the EFT Perjury Statement that displays and select OK.**

M. Complete the registration.

1. Record your new Vendor Customer ID number.
2. Download your Substitute W-9 form for your records.
3. Select **Print this Page** to print hard copy of your registration form.
4. Close the Browser.

N. Access SIGMA VSS.

1. On the VSS Home Page, enter the User ID and Password.
2. Select **Login**. Your Account Summary page displays.
3. Use the scroll bar and tabs to review your Account Information.



ACTIVATE AN EXISTING SIGMA VENDOR SELF SERVICE (VSS) ACCOUNT



A. Access SIGMA Vendor Self Service.

1. In an internet browser, **enter the URL: Michigan.gov/SIGMAVSS**
2. **Select Register.**

Note: SIGMA VSS is best viewed with Internet Explorer 11 and Firefox 3.5 or 3.6. Please disable your pop-up blocker in order to access all parts of the site.

B. Search for your account.

1. On the Memorandum of Agreement page, select **Accept Terms**.
2. On the Registration **Tips** page, select **Next**.
3. **On the Search for an Existing Account/Results Found page, enter Company or Individual search criteria and select Search.**

C. Activate an existing account.

1. Confirm the Legal Name of the existing account displays in the search results.
2. **Select the Click Here to Activate Your Account link.**

Note: If no results are found, refer to the instructions for **New Vendor Registration**.

D. Verify existing account.

1. On the Account Verification page in the Vendor Verification Password field, enter your State of Michigan Contact & Payment Express (C&PE) User ID as your temporary VSS password.

Note: This field must be entered in all capital letters.

2. **Select Submit.**

E. Enter user information.

1. On the My User Information page, enter the required fields.

Note: The password must contain a number, an upper- and lower-case letter and one of the following symbols: @ \$ # %. The password cannot contain the User ID or the word password.

2. **Select Next.**

F. Submit the activation registration.

1. On the Verify & Submit Registration page, select **Submit Registration**.

Note: The five messages shown are informational messages only.

G. Access SIGMA VSS.

1. On the VSS Home Page, enter the User ID and Password.
2. Select **Login**. Your Account Summary page displays.