

BEFORE THE METRO CONTRACT REVIEW BOARD

FOR THE PURPOSE OF EXEMPTING THE) RESOLUTION NO. 93-1875
ACQUISITION OF A VISITOR TRANSPORT)
VEHICLE FROM THE COMPETITIVE) Introduced by Rena Cusma
BIDDING PROCESS) the Executive Officer

WHEREAS, Metro has determined that the Metro Washington Park Zoo would benefit from the acquisition of a Visitor Transport Vehicle; and

WHEREAS, a donor has bequeathed a sum sufficient to acquire a Visitor Transport Vehicle, with the stipulation that it be spent for same; and

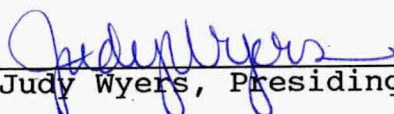
WHEREAS, extensive research, including all manufacturers of specialty vehicles worldwide, was conducted by Metro Washington Park Zoo staff; and

WHEREAS, only one vendor was deemed to meet the criteria of reliability and also the constraints of the site; and

WHEREAS, the acquisition price falls well within the budget for the vehicle and the cost is offset by donation; now, therefore

BE IT RESOLVED, that the Metro Council, acting as the Contract Review Board, hereby exempts the acquisition of the Visitor Transport vehicle from the competitive bid process; and pursuant to Metro Code section 2.04.041 (c), subsequently directs the Executive Officer to execute a contract with Specialty Vehicle Manufacturing, Inc.

ADOPTED by the Metro Contract Review Board,
this 23rd day of December, 1993.



Judy Wyers, Presiding Officer

EXHIBIT A

A. TUG SPECIFICATIONS:

Tug shall be fabricated in accordance with Specialty Vehicle Manufacturing Corp. drawing 2471, and in accordance with Specialty Vehicle Manufacturing Corp. "Series 2000 Mighty-Mite Power Car Technical Specifications" hereto attached as Attachment A and made a part of this purchase order. The purchase order indicates all optional equipment to be furnished with the tug.

B. TRAILER SPECIFICATIONS

Both trailers shall be constructed in accordance with Specialty Vehicle Manufacturing Corp. drawing 2471 and the technical specifications for the Series 2000 "Regular Mighty-Mite Trailer Unit" hereto attached as Attachment B. Where dimensions vary between the specification and drawing, those of the drawing shall prevail. The turning radius of the Tram shall be in accordance with Specialty Vehicle Manufacturing Corp. drawing 2456, a copy of which is hereto attached as Attachment C. The purchase order indicates the optional equipment to be furnished and installed on the trailers.

C. WARRANTY:

Specialty Vehicle Manufacturing Corp. shall furnish written warrantee in accordance with its "200/400 Tram Warranty", a copy of which is hereto attached as Attachment D. Additionally, the warranty documents shall include written warranties of all suppliers of all accessories and/or parts not manufactured by Specialty Vehicle Manufacturing Corp. but incorporated in the construction of equipment furnished under this purchase order.

D. APPROVAL DRAWINGS:

Specialty Vehicle Manufacturing Corp. shall furnish five sets of fabrication drawings clearly indicating all aspects of the design and construction of the Power unit and Trailers. The drawings shall be drawn to scale and accurately represent the finished product in all regards. Manufacturers's data sheets shall be furnished describing all optional equipment and accessories to be furnished and installed. Fabrication shall not proceed without Metro Washington Park Zoo approval of these drawings.

E. TERMS:

1. The maximum amount payable under this purchase order is \$98,431.00.
2. Progress payments will be made in accordance with the following schedule:
 - A. 20% upon consummation of order,
 - B. 20% upon completion of trailer framing,
 - C. 20% upon delivery of tow motor and axles,
 - D. 20% upon completion of installation of axles, seats, floors, etc.,
 - E. Balance at acceptance after receipt and test of vehicle.

The contractor may render monthly progress invoices on the form provided in duplicate to:

Metro
600 N.E. Grand Ave.
Portland, OR 97232

Forward an additional copy to:

Metro Washington Park Zoo
4001 S. W. Canyon Rd.
Portland, OR 97221

Attn: Judy Munro - Director, Facilities Mgmt. Division

Contractor shall receive payment within thirty (30) days of receipt and approval by Metro Washington Park Zoo.

DELIVERY:

All equipment covered by this purchase order shall be delivered with 150 consecutive calendar days from receipt of purchase order and down payment.

STAFF REPORT

CONSIDERATION OF RESOLUTION NUMBER 93-1875 TO REQUEST EXEMPTION FROM COMPETITIVE BIDDING REQUIREMENTS PURSUANT TO METRO CODE 2.04.041 TO ACQUIRE A VISITOR'S TRANSPORT VEHICLE.

DATE: NOVEMBER 18, 1993

PRESENTED BY: JUDY MUNRO

PROPOSED ACTION: This vehicle will operate on a fee based schedule during peak visitor times and will provide transportation from the exit of the Rain Forest back through the Zoo to the entry, and conversely from the front entrance of the Zoo down to the lower extremity of the zoo grounds. This vehicle will also provide transportation to people attending catered events during inclement weather.

FACTUAL BACKGROUND AND ANALYSIS:

1. A Donor (now deceased) bequeathed the Zoo \$250,000 for the specific purpose of providing transportation on the Zoo grounds. The purpose of the transportation was to provide assistance at a nominal cost for those exiting the Zoo, or who wished to be dropped at a certain location on the Zoo grounds. The Visitor Transport Vehicle is handicapped accessible.
2. Preliminary designs were investigated for both a rail car and a rubber wheeled vehicle. Comparisons were made on the timing and scheduling of the rail car in conjunction with regular rail traffic. Also pedestrian circulation paths were measured for widths and grade assessments were made for all hills. Approximately fifteen zoos were contacted and names were obtained of manufacturers, as well as recommendations on types of vehicles and how they were used. Resource books (Multnomah County Library) were used to determine suppliers of specialty vehicles worldwide. All known manufacturers of both rail and rubber wheeled vehicles were contacted for brochures and information.
3. A determination was made to utilize a rubber-wheeled vehicle. More information was then gathered from rubber-wheeled vehicle manufacturers. Approximately six zoos with rubber-wheeled vehicles in use were contacted to reassess manufacturer and type of vehicle. Given the physical restraints of the zoo site, manufacturers were eliminated due to inability to produce a narrow vehicle, or traverse the steep grades in certain sections of the route.

JM:jc\PROJECTS\VTV.1

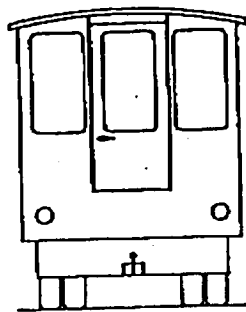
STAFF REPORT - PAGE TWO.

4. The two remaining manufacturers (one in the United States and one in Europe) were further reviewed. The European manufacturer was rejected on the basis of availability of parts, and marginal ability to carry the grades of two of the hills. The proposed manufacturer's vehicle was observed in operation by two staff on two different occasions. In addition, the engineer for the proposed manufacturer visited the site to assess grades and turning radius to confirm the vehicle's ability to traverse the grounds. His findings were reviewed by the Zoo Project Team, which included both mechanical and project design expertise.
5. Given the exhaustive research, it is clear that there is no other single manufacturer of a specialty vehicle that will maneuver the grounds with a narrow car, will pull two passenger trams up the various grades, will be reliable and easy to maintain, and will fulfill the original intent of the vehicle when the donation was made.

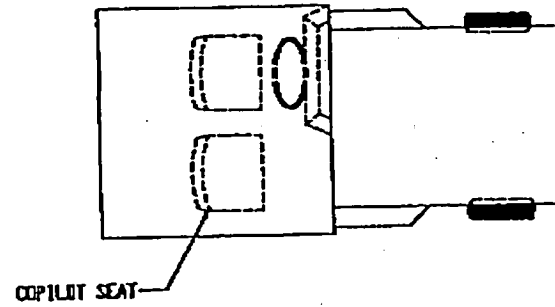
BUDGET IMPACT: The projected costs are included in the \$250,000 budgeted in the Capital budget and designated by council as an "A" contract.

EXECUTIVE OFFICERS RECOMMENDATION:

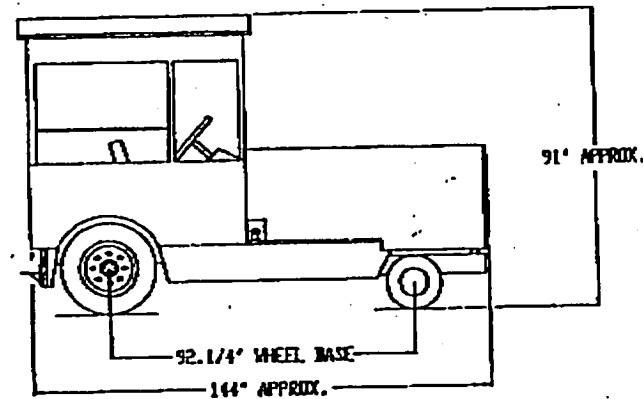
Recommends approval of Resolution _____, to exempt the Visitor Transport Vehicle acquisition from competitive bidding process.



REAR VIEW
POWER CAR



COPILOT SEAT



92.1/4" WHEEL BASE

144" APPROX.

ORIGINAL

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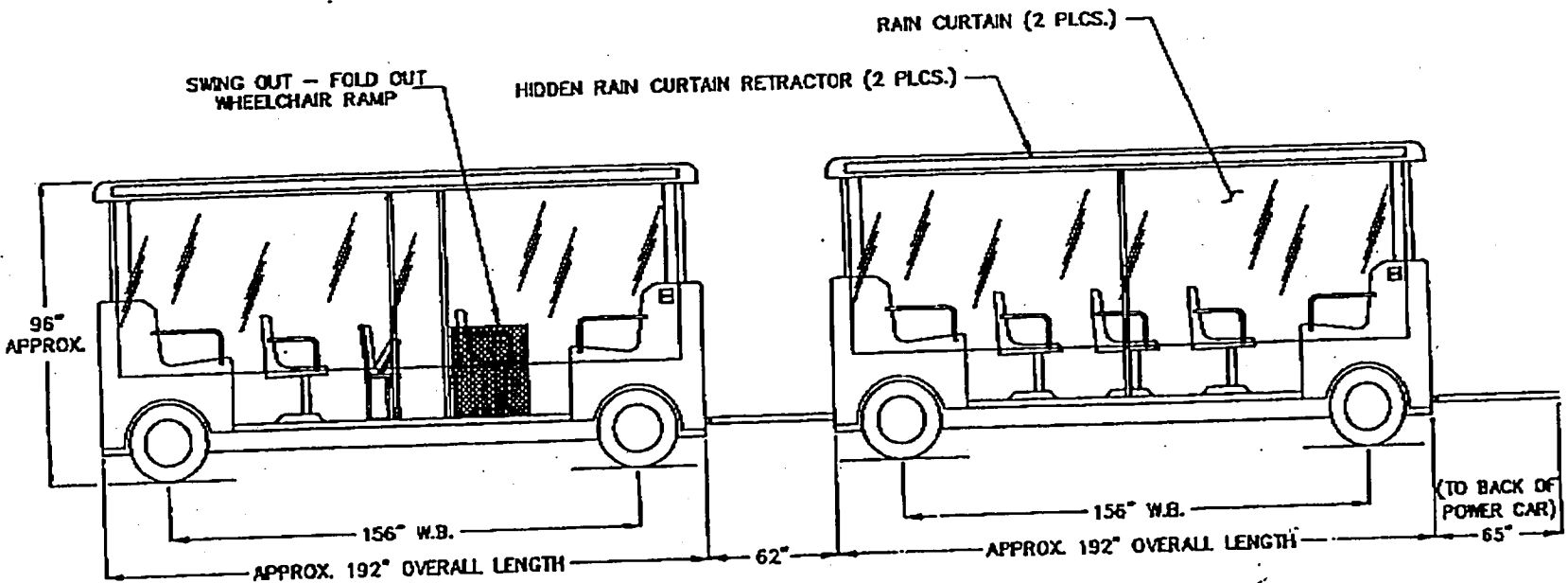
SPECIALTY VEHICLE MFG CORP

UNLESS OTHERWISE SPECIFIED DIMENSIONS AND TOLERANCES ARE IN INCHES.

FRACTIONS: 1/8" ANGLES: 45° 90°
 DECIMALS: .125" WELD: ASST. 1/16"
 .250" .375" ALL RADII TO BE 1/8"
 .500" .625"
 BREAK ALL SHARP EDGES .015" MAX.
 PART TO BE FREE OF BURRS AND SWAMP EDGES.

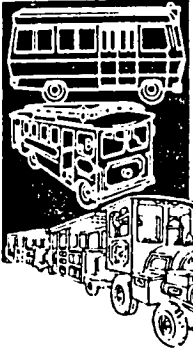
DATE	
BY	
CHECKED	
APPROVED	
REVISION	

PORTLAND ZOO
2000 SERIES
NIGHTY NITE TRAM
REV. NO. 2471
1 OF 1



ORIGINAL

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	UNLESS OTHERWISE SPECIFIED DIMENSIONS AND TOLERANCES ARE IN INCHES:		DATE	REV
	FRACTIONS: 1/8	ANGLES: 30° 45°	DATE	REV
	DECIMAL: .0005	WELD SIZES: 1/16	DATE	REV
BREAK ALL SHARP EDGES JIS MAX		PART TO BE FREE OF BURRS AND SHARP EDGES		2000 SERIES MIGHTY MITE TRAM 2471



SPECIALTY VEHICLE MANUFACTURING CORPORATION

12229 WOODRUFF AVENUE, DOWNEY, CALIFORNIA 90241 (310) 803-3456 FAX (310) 803-5501

SERIES 2000 - MIGHTY MITE POWER CAR

TECHNICAL SPECIFICATIONS - ALL DESIGNS

STANDARD

Tow Tug Design This power car is built on a standard airport towing tug. This tow tug power car is the most economical of the three versions of Specialty Vehicle Mighty Mite Power Cars. The tow tug will include a roof and windshield in the standard body design.

THEMED

Model T Design This power car is built on a stretched wheelbase tow tug chassis. All the components will be the same as the Standard tow tug. This power car will be themed to look like a Model T stake bed truck. The stake bed will be constructed using real hardwood. The body will have a louvre engine cover, brass simulated radiator, brass trimmed headlights, cab running boards and a wooden front bumper.

Choo-Choo This power car is built on a modified tow tug chassis with the radiator and engine recessed back from the front of the chassis. All chassis components on this tug will be basic to the other two tug designs. This power car will be themed to look like a early American Railroad engine. The body will have a simulated smoke stack, brass whistle, clanging bell and cow catcher. Choo-Choo power car will also have a coal tinder box with real coal and simulated train wheel covers.

GENERAL DIMENSIONS

	TUG	MODEL T	CHOO-CHOO
Length Overall:	8' 8"	16'	12' 8"
Width Overall	4' 8"	6' 6"	5' 5"
Height Overall:	7' 7"	7' 3"	8' 2"
Seating Capacity:	(1)	(1)	(1)
Wheelbase:	57.75"	126"	92.50"
Tare Weight:	6,700 #	7,400 #	7,650 #

THE FOLLOWING SPECIFICATIONS ARE BASIC FOR ALL STANDARD MIGHTY MITE POWER CAR UNITS REGARDLESS OF BODY DESIGN

ENGINE:

Chrysler 11-225 industrial or Ford 300 in-line 6 cylinder overhead valve industrial engine. The engine incorporates cast iron cylinder block and head with a seven main bearing crank-shaft, chrome plated piston rings, hard faced exhaust valves with induction hardened seats, positive exhaust valve rotators, full pressure lubricating system and a sealed velocity governor. Positive crankcase ventilation. Fuel tank capacity: 17 gallons. Horsepower 107. Diesel power is available as an option.

COOLING SYSTEM:

15 quart coolant capacity: 7 psi operating pressure. Engine radiator insulated from vibration. Dual V-belts drive water pump and alternator.

ELECTRICAL SYSTEM:

12 volt, 350 CCA battery and 90 amp alternator. Oil sealed and enclosed electric starter with positive engagement and anti-re-engagement devices. Ignition key switch disconnects electrical. Neutral start and brake light switches.

INSTRUMENTS & CONTROLS:

Gauges include: ammeter, coolant temperature, engine oil pressure, fuel level, engine hour meter. Knob controls for headlights, and back-up light also operates when transmission is in reverse. Cable operated shift control level has drive, neutral and reverse position. Operator adjustable, Orscheln type parking brake lever. Shift control and parking for convenient right hand operation. Foot pedals for accelerator and service brakes.

DRIVE AXLE: Full floating drive axle with helical gear reduction gear case. Reduction ratio 17:1

TRANSMISSION: Automatic, Ford PGB-AS. Maximum travel speed 15 MPH

FRAME AND SUSPENSION: Heavy precision aligned, one piece fabricated structure. Bumper and coupler plates. Machine formed .25" side panels. Cast iron rear fenders and traction weights bolt to frame members. Multi-leaf semi-elliptical leaf springs on both the front and rear axles.

BRAKES: Two wheel (rear) vacuum assisted disc service brakes. Independent dual-port master cylinder with hydraulic booster and pump. Drum type parking brake is mounted at the rear of the transmission and is operated with an Orschelin adjustable tension lever. Vacuum over hydraulic trailers brakes standard.

STEERING SYSTEM: Power assisted recirculating ball type steering gear with 17" steering wheel. Forged steel steer axle is supported on two semi-elliptical leaf springs. Pressure lubricant fittings on king pins and other steering components.

PAINT: Exposed surfaces have been shot blasted, primed and painted with weather resistant paint. Choice of colors at the customer's option.

WHEELS AND TIRES: Front - 6.90 x 9, 6 ply
Rear - 6.50 x 16, 6 ply

LIGHTS: Headlights, dash panel lights, dome light
Brake lights and back-up lights.

CONNECTIONS: All electrical and brake lines connectors are ICC approved and mounted at the rear of the tug.

DRAW BAR PULL: 6,000 lb. rated

BODY: Body of the tug is constructed using solid steel plate, the hood is made of steel sheet, while the roof structure is built with steel tubing.

ROOF: The roof is constructed using a molded fiber-glass top mounted on a tubular steel frame.

MIRRORS: Rear view interior mirror size - 6" x 10"
Dual side view mirrors size - 6" x 9"

DRIVER'S SEAT: Seat will be adjustable foreword and backward. Seat will be covered in transportation grade black vinyl.

HITCH: 2-5/16" Ball Hitch or Pintle Eye Type with Slack Adjuster.

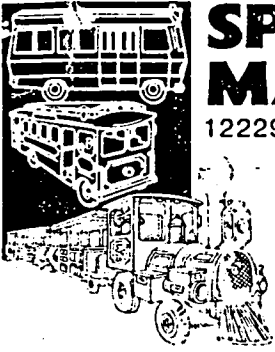
WIPERS: Electrically operated driver's side, standard

AVAILABLE OPTIONAL EQUIPMENT:

- P.A. Amplifier
- Driver's Fan
- Enclosed Cab w/ Heat & Defroster
- Propane Power
- Roll-up Rain Curtains
- Air/Hyd Trailer Brake Hook-Up
- Deluxe Suspension Driver's Seat
- Co-pilot Seat

SPECIFICATIONS SUBJECT TO CHANGE
WITHOUT NOTICE

3/23/92



SPECIALTY VEHICLE MANUFACTURING CORPORATION

ATTACHMENT B - PG. 1

12229 WOODRUFF AVENUE, DOWNEY, CALIFORNIA 90241 (213) 803-3456 FAX (213) 803-5501

TECHNICAL SPECIFICATIONS SERIES 2000

REGULAR MIGHTY MITE TRAILER UNIT

The trailer frame is a heavy duty welded tubular steel construction. Trailers have two axle articulated steering, which provide optimum tracking of trailers. The units can be altered in length and height meet a customer's particular requirements.

GENERAL DIMENSIONS:

Body Length:	22 ft. approx.
Tongue Length:	3'-7" approx.
Width, Overall:	4'-8"
Height, Overall:	8'-6"
Seating Capacity:	21 passengers (3 per seat)
Wheelbase:	228" approx.
Tare Weight:	3,000 lbs. approx.
Turning Radius:	19' 6" inside approx. 24' 3" outside approx.
Ground Clearance:	6.50"

SPECIFICATIONS

FRAME: Rectangular steel tubing size
2" x 6" x 3/16"

TIRES AND WHEELS: P225/75 R14 radial; white steel
rims.

COUPLER: 2-5/16" Class IV ball coupler,
optional lunette eye coupler
available upon request.

BRAKES: Standard brake system is vacuum
over hydraulic with drum brakes
Optional air over hydraulic
system available

SUSPENSION: Dropped axles with heavy duty
leaf spring suspension.

LIGHTS: Three (3) 12V interior dome
lights, standard equipment.
Optional exterior flood lights
mounted to trailer roof can be
supplied.

SEATS: Contoured three passenger
molded fiberglass seats, 53"
wide mounted on gray powder
coated steel pedestals.

FLOORING: Aluminum treadbrite formed
diamond plate.

END CAPS: Molded fiberglass (3/16" thick)
with standard three passenger
seat capacity.

STANCHIONS/GRAB BARS Stainless steel stanchions and
seat end grab bars will be
provided for passenger safety

COLOR:

Standard power car and trailer includes customer choice of one (1) color. Two (2) colors or more along with emblems or stripping is optional and available at additional cost. Fiberglass body parts are gel-coated in specified colors on trailers.

OPTIONS:

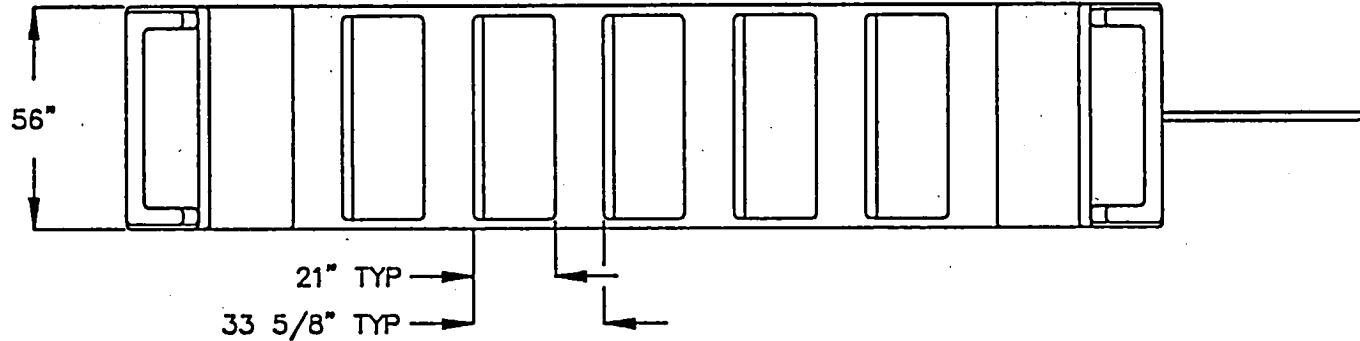
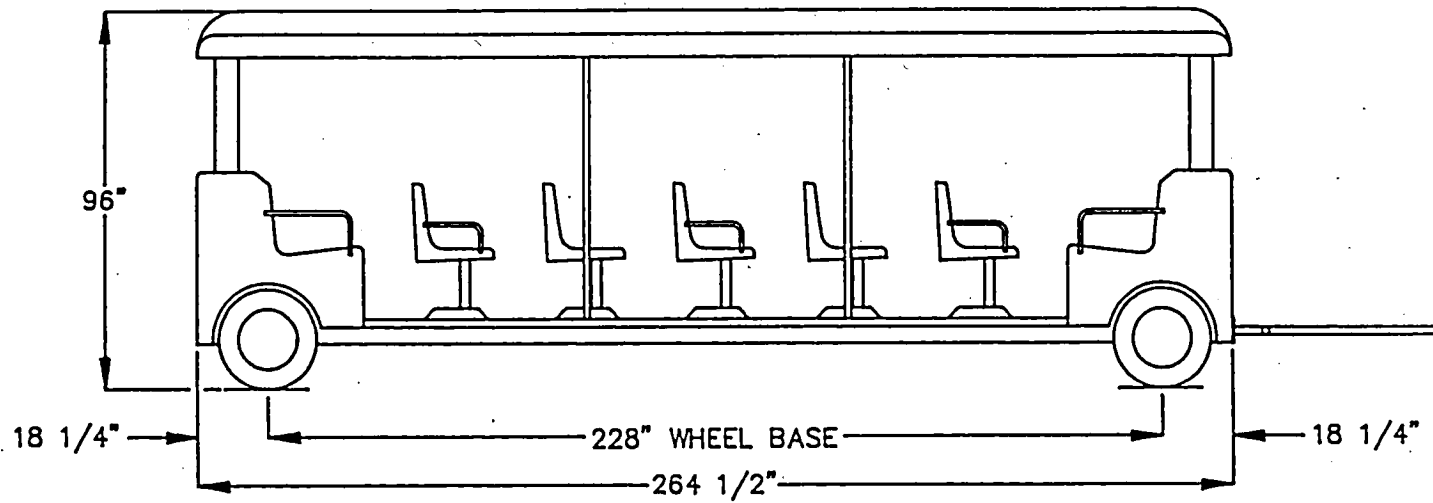
Clear plastic roll-up rain curtains installed on both sides of the trailer. These can be pulled down to seat level.

- Auxiliary P.A. microphone
- P. A. Speakers
- Handicap Accessibility
- Step Lights
- Passenger Signal System
- Safety Chains
- Hostess Seat
- Hostess Microphone
- Pinstripping and Graphics
- Surrey Valance

NOTE:

Due to product improvements, specifications may change without notice.

Revised 1/15/91



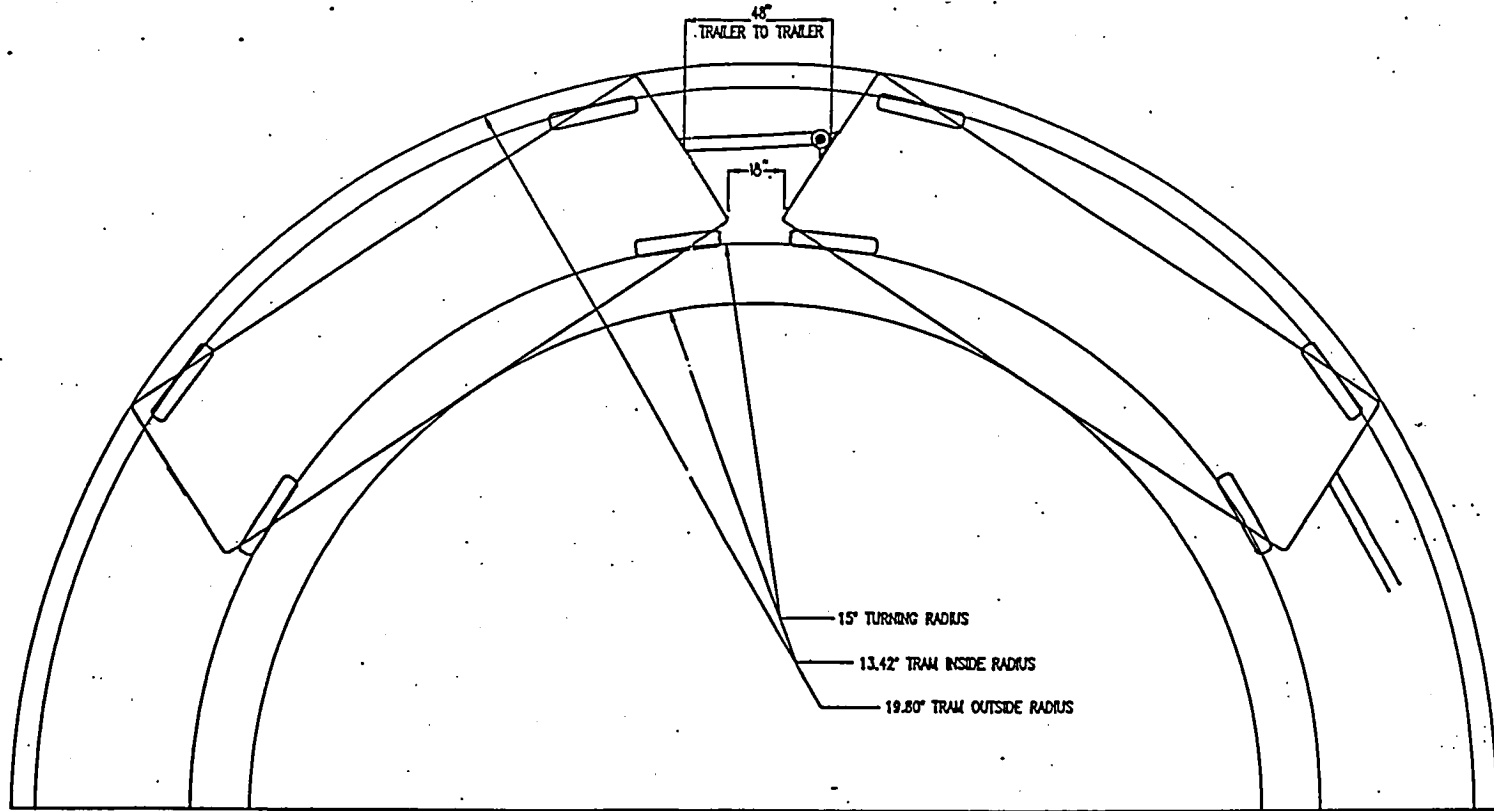
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**SPECIALTY VEHICLE
MANUFACTURING CORPORATION**

1222 WOODRUFF AVE. DOWNEY, CA.

DRAWING TITLE	VEHICLE TYPE OR DESCRIPTION	DRAWN	DATE	SCALE
		N. ELLIS	7/10/1990	1/4"=1'
	STANDARD MIGHTY MITE TRAILER	DWG. NO.		

ORIGINAL



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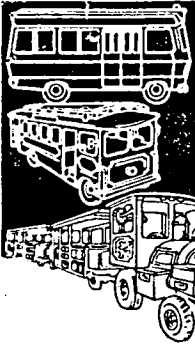
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SPECIALTY VEHICLE MFG CORP

UNLESS OTHERWISE SPECIFIED DIMENSIONS AND TOLERANCES ARE IN INCHES:
 FRACTIONS: ±1/8 ANGLES: ±0° 30'
 DECIMAL: WELD ASSY: ±1/16
 DEC: .01 ALL RADII TO BE 1/8"
 DEC: .010
 BREAK ALL SHARP EDGES .015 MAX
 PART TO BE FREE OF BURRS AND SHARP EDGES

DATE OF ORDER	
QUANTITY	
DATE OF DELIVERY	
BY	
REMARKS	

METRO WASHINGTON
 PARK ZOO
 2000 SERIES
 MIGHTY MITE TRAM
 B 2456
 NONE



SPECIALTY VEHICLE MANUFACTURING CORPORATION

12229 WOODRUFF AVENUE, DOWNEY, CALIFORNIA 90241 (213) 803-3456 FAX (213) 803-5501

MODEL 2000/4000

TRAM WARRANTY

Specialty Vehicle Manufacturing Corporation, SVMC, a Company engaged in the manufacture of Buses, Trolleys or Trams, states that this Warranty is designed and intended to fully comply with the requirements of the Magnuson-Moss Warranty Act and all regulations issued by Federal Trade Commission in connection therewith. It is not intended to violate any applicable state law or regulation containing more stringent requirements.

I. DURATION

This Warranty is given to the first registered owner and extends for a period of twelve (12) months or six hundred (600) operating hours from the date of purchase.

Any implied Warranties or merchantability and fitness for intended use are limited in duration to the twelve (12) months or six hundred (600) operating hour period stated above, unless any applicable state law provides otherwise.

II. COVERAGE

Specialty Vehicle Manufacturing Corporation, SVMC, warrants the covered products to be free from defects in workmanship and material under normal use and service, provided the procedures in Part IV of this Warranty are followed. Specialty Vehicle Manufacturing Corporation, SVMC, will replace or repair or cause to be repaired at its option, any defective part(s), without costs to the owner; and further, provided that every effort is made immediately to prevent further damage.

III. EXCLUSIONS

This Warranty Does Not Cover:

- A. Accessories or parts not manufactured at Specialty Vehicle Manufacturing Corporation, SVMC, but covered by other manufacturers' warranties, including: Chassis and its component parts, hot water heaters, furnaces, windows, generator, radios, convertors, batteries, etc.*

MODEL 2000/4000

TRAM WARRANTY

- B. Any warranty, undertaking, or representation made by dealers or other third parties beyond the provisions herein expressed.
- C. Any coach which has been altered or modified outside its factory.
- D. Damage caused by misuse, customer neglect, negligence or accident.
- E. Specialty Vehicle Manufacturing Corporation, SVMC, shall not be liable for any loss of time, labor equipment rental or other expenses while equipment is out of service.
- F. The following consequential damages; inconvenience, expenses for travel, towing, lodging, telephone, cost of shipping, and loss or damage to personal property or loss of revenues.

Warranty Terminates If:

- A. Unit is sold through an auto or vehicle auction.

IV. WARRANTY CLAIM PROCEDURE

All warranty work is to be performed at Specialty Vehicle Manufacturing Corporation's factory or at a prior-authorized service center; and written authorization must be obtained from Specialty Vehicle Manufacturing Corporation prior to the work being performed.

Upon discovery of a defect or malfunction, notify Specialty Vehicle Manufacturing Corporation, 12222 Woodruff Avenue, Downey, California 90241, within three (3) days, by Registered Letter. Give name, address, description of problem, model of vehicle, serial number of vehicle, date of purchase, vehicle mileage, location of unit and where you can be contacted during normal business hours. Specialty Vehicle Manufacturing Corporation will contact you within three (3) working days after receipt of your letter. Corrective action will be completed within thirty (30) calendar days from the date of the necessary material being available to us.

MODEL 2000/4000

TRAM WARRANTY

V. LEGAL PROCEDURES

In addition to the provisions of this Warranty, the purchaser has available the legal remedies provided by the Magnuson-Moss Warranty Act, Public Law 93-637, 88 Stat. 2183-2193; U.S. Code, Secs. 2301-2312, and any applicable state statutes.

Specialty Vehicle Manufacturing Corporation, SVMC, is required by law to keep accurate records. Therefore, we ask its customers' cooperation in assisting us in accurately recording your Warranty and enabling us to provide prompt service by filling in and returning the attached registration card.

REGIONAL FACILITIES COMMITTEE REPORT

RESOLUTION NO. 93-1875, EXEMPTING THE ACQUISITION OF A VISITOR TRANSPORT VEHICLE FROM THE COMPETITIVE BIDDING PROCESS

Date: December 16, 1993

Presented by: Councilor Hansen

COMMITTEE RECOMMENDATION: At its December 15, 1993 meeting the Regional Facilities Committee voted 5-0 to recommend Council adoption of Resolution No. 93-1875. All committee members were present and voted in favor.

COMMITTEE DISCUSSION/ISSUES: Zoo Facilities Management Director Judy Munro presented the staff report. She said the funds for the "People Mover" came from a bequest, that the vehicle would be used to transport visitors between the main entrance and the exit to the Africa Exhibit, and that their research had shown only one vendor makes a vehicle that meets the Zoo's specifications.

Councilor Washington asked if there would be a charge for rides in the vehicle, and Ms. Munro said the plan is to charge 75 cents, although the final decision on the fee has not been made. Councilor Washington said he would support a reduced fare for children. Councilor McFarland said she thought the focus was on handicapped and elderly people, rather than on children. Zoo Director Sherry Sheng said the plan being formulated was to charge per seat rather than per person, so children sitting on their parent's lap would not be charged.

In response to questions from Councilor Gardner, Ms. Munro said the cost for the tug and two trailers is \$98,000, and that the Zoo projects a small profit on the People Mover operations. She described the break-even point as 80% occupancy for six trips per day, which is fewer trips than planned.

Councilor Hansen asked what are the plans for the remainder of the money from the bequest (some \$150,000). Ms. Munro said they plan to build a shelter for patrons and a storage/fueling area for the vehicle. Councilor Hansen asked if the vehicle would be named. Ms. Sheng said the vehicle and storage facility would be named after the donor, but they are still working on how to refer to it on maps and directions. Councilor Hansen suggested having a contest for school children to name it.