

FOR OFFICE USE ONLY	
Grantee:	
Grant No.:	
Attachment:	

PROPERTY NAME: Streetcar Boat MINNEHAHA

PROPERTY ADDRESS: 140 George St. Excelsior, MN 55331

DATE: 15 September 2023 NRHP LISTING NO.: SC100007073

ITEM NO: 1	FEATURE: SH	PO Review / ject Sanction	Const. Da	TE: 1990-96 Restoration	Funding Source(s):	GRANT OTHER	Budget Item No.: n /A		
DESCRIBE EXISTING FEATURE AND ITS CONDITION "Minnehaha" was listed on the National Register of Historic Places in October 2021.									
DESCRIBE WORK AND IMPACT ON EXISTING FEATURE Projects for NRHP listed properties are required to be reviewed and sanctioned by MN State Historic Preservation Office (SHPO).									
PHOTOS: N	/A Dr	AWING SHEET NO).: _{NN/A} A	.dd'l Docume	ENTATION: NRHI	P Nomination			
Updates A Project is	AFTER S COMPLETED								
	_				_				
NO: 2 ▼	FEATURE: RF	P for Shipwright	Const. Da	TE: 1990-96 Restoration	Funding Source(s):	☑ Grant☐ Other	Budget Item No.: 1		
The vesse	DESCRIBE EXISTING FEATURE AND ITS CONDITION The vessel's hull has four areas of deterioration that currently render her unfit to operate - including cracked ribs, planks with fractures and/or wood rt, etc. Extent of deterioration is beyond remediation and necessitates replacement.								
RFP proc	ess for selecting	ACT ON EXISTING F a project shipwrigh o solicit competitiv	t (qualification			lan & Timetab	le). Classified		
PHOTOS: N	Z/A DF	RAWING SHEET NO	D.: _{N/A} △	dd'l Docume	ENTATION: Class	ified Ads worksh	neet		
Updates A Project is	AFTER S COMPLETED								
	1								
NO: 3	FEATURE: Wo	rk Site Preparation	Const. Da ⁻	TE: 1190-96 Restoration	FUNDING SOURCE(S):	☑ GRANT□ OTHER	BUDGET ITEM No.: 2		
DESCRIBE EXISTING FEATURE AND ITS CONDITION "Minnehaha" is currently laid up in her heated/insulated storage building in Excelsior. Building lacks a steam box for shaping timbers and has no running water or restroom facility. Vessel's size (65 tons, 70' lenngth, etc.) prevent her from being transported to a shipwright's work yard.									
DESCRIBE WORK AND IMPACT ON EXISTING FEATURE Work site will be staged to accommodate the rehabilitation: tools, materials, steam box constructed for shaping timbers, and rental/placement of an on-site sanitation facility.									
PHOTOS: N/A DRAWING SHEET NO.: N/A ADD'L DOCUMENTATION: Biff estimate									
Updates A Project is	AFTER S COMPLETED								



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ITEM A ▼	FEATURE:	Framing Ribs: Bilge Compartment	Const. Date: 1	1990-96 Restoration	FUNDING SOURCE(S):	☑ GRANT □ OTHER	BUDGET ITEM No.: 3		
DESCRIBE EXISTING FEATURE AND ITS CONDITION 3" x 3" frames (ribs) constructed in place by laminating three individual layers of white oak together. Each layer steam-heated then bent to fit the hull's contour. Entire bilge (including ribs) painted. Five (5) frames now creacked/split weakening structural integrity and must be replaced.									
DESCRIBE WORK AND IMPACT ON EXISTING FEATURE Screws securing hull planks to the frames will be removed. Then existing frames will be removed from inside the bilge by chisleing the broken frame. New frames will be constructed using the same laminating process utilized during the restoration. Hull planks will be secured to the frames use brass corrosion-resitant screws. Replacement material will match existing in size, shape and material.									
PHOTOS: 3-	-15, 61	Drawing Sheet No).:4A,4B,4C ADD	'l Docume	ENTATION; PhotoKe	ys, PhotoAlbum, St Paul	Shipwright estimate		
Updates A Project is	AFTER S COMPLETE	D							
ITEM 5 ▼	FEATURE:	Waterline Stern Planks (Port & Starboard)	Const. Date:	1990-96 Restoration	Funding Source(s):	☐ GRANT☐ OTHER	BUDGET ITEM No.: 4		
Two planks plank also fr	DESCRIBE EXISTING FEATURE AND ITS CONDITION Two planks immediately below the waterline at the vessel's stern (port & starboard sides) have shrunk beyond the ability to swell watertight; starboard plank also fractured. Planks are Douglas fir; measure 14' long x 6" wide x 1 3/4" thick. Planks steam-heated and bent/twisted to fit the stern's contour. Planks screwed to frames, seams filled with cotton/oakum, and caulk to enssure watertight seal. Both planks require replacement.								
New plan existing in	DESCRIBE WORK AND IMPACT ON EXISTING FEATURE New planks will be fitted using the same construction process as during the restoration. Replacement material will match existing in size, shape and material. New planks will mirror existing appearance/design of the boat's torpedo-stern. New cotton, caulking, primer and matching bottom paint to be applied. PHOTOS: 16-19, 63-65 DRAWING SHEET NO.: 5A, 5B ADD'L DOCUMENTATION: PhotoKeys, Photoalbum, St Paul Shipwright estimate								
Updates A Project is	After S Complete	ED							
	<u> </u>								
NO: 6 ▼	FEATURE:	Stern Bottom Planks - 2 on port, 2 on starboard		1990-96 Restoration	FUNDING SOURCE(S):	☑ GRANT□ OTHER	BUDGET ITEM No.: 5		
Four (4) b	ottom plank	ATURE AND ITS COND s at the stern have extern the stern have extern the stern have extern the stern have are Douglas fir me	nsive rot in multipl						
Replacem limited av	ents will use vailability ma on, caulking,	the same construction by necessitate use of short primer and matching by DRAWING SHEET NO	process. Every atto orter planks. Repla ottom paint will be	acement will acement will be applied.		on hull appeara	nnce/design.		
UPDATES A	After S Complete	ED .							

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ITEM NO: 7 ▼	FEATURE: PO	rt Rub Rail	Const. Dat	E: 1990-96 Restoration	Funding Source(s):	GRANT OTHER	BUDGET ITEM No.: 6		
DESCRIBE EXISTING FEATURE AND ITS CONDITION The rub rail serves to keep the hull from coming into contact with the dock and damaging the hull. Underside of existing port rub rail has rotted creating a two-inch gap and allowing the adjacent support timbers to warp out of position. Rub rail is painted canary yellow to match vessel's color. Existing support timber is too short to repair and should be replaced.									
DESCRIBE WORK AND IMPACT ON EXISTING FEATURE Removal of rotten support timber will require steel rub rail to be unscrewed so timber can be chisled out. Replacement timber will match size, shape and materials of existing timber and will be cut to size. Repaired rub rail will be painted using matching canary yellow paint. Repair will maintain the exsiting appearance and will be imperceptible to the public. PHOTOS: 50-52 DRAWING SHEET NO.: 7 ADD'L DOCUMENTATION: PhotoKeysPhotoAlbum,St Paul Shipwright estimate									
UPDATES A	AFTER S COMPLETED								
ITEM NO: 8 ▼	FEATURE: Rea	move/replace tton, Caulk, Corks	Const. Dat	E: 1990-96 Restoration	Funding Source(s):	GRANT OTHER	BUDGET ITEM No.: 7		
Existing	DESCRIBE EXISTING FEATURE AND ITS CONDITION Existing cotton/oakum and caulking used in the seams between planks is no longer capable of ensuring a wateright seal Many of the wood plugs used to seal screwholes (securing planks to the rib framing) have lost their seal.								
All loose should be marine gi	DESCRIBE WORK AND IMPACT ON EXISTING FEATURE All loose corks, and all cotton, caulking used to seal (13) 70-foot long seams on both port and staroard sides of the vessel should be removed, seams then cleaned of residual debris, then replaced with new materials. All new materials to be marine grade designed to ensure watertight seal. All new materials will be imperceptible to the public. PHOTOS: 53-55, 70-71 DRAWING SHEET NO.: N/A ADD'L DOCUMENTATION: PhotoKeys,PhotoAlbum,St Paul Shipwright estimate								
UPDATES / PROJECT I	AFTER S COMPLETED								
ITEM 9		nding, Primer and ttom Paint	Const. Dat	E: 1990-96 Restoration	FUNDING SOURCE(S):	☑ GRANT □ OTHER	BUDGET ITEM No.: 8		
DESCRIBE EXISTING FEATURE AND ITS CONDITION The hull is currently free of all primer and bottom paint.									
DESCRIBE WORK AND IMPACT ON EXISTING FEATURE Upon completion of corking and caulking, a final sanding of the hull will be done to ensure the hull surface is smooth and clean. Then three coats of primer will be applied to the entire surface below the waterline, followed by two coats of ablative antifouling bottom paint. PHOTOS: 1-2 DRAWING SHEET NO.: N/A ADD'L DOCUMENTATION: PhotoKeys, PhotAlbums, St Paul Shipwrights estimate									
UPDATES /									

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ITEM NO: 1 ▼	FEATURE: Rei	nspection/Resurvey CONST. DATE:19 Re	90-96 storation	FUNDING SOURCE(S):	☐ GRANT ☐ OTHER	BUDGET ITEM No.: 9		
DESCRIBE EXISTING FEATURE AND ITS CONDITION Upon completion, the rehabilitative work must be reinspected/resurveyed to ensure the vessel's structural integrity is worth of recertification for carrying passengers.								
Inspectors an on-site conduct an	DESCRIBE WORK AND IMPACT ON EXISTING FEATURE Inspectors from the MN Department of Labor & Industry and Hennepin County Sheriff's Water Patrol Office will make an on-site inspection to certify the hull is structurally sound. AMS-accredited marine surveyor Capt. Cliff Schmidt will conduct an on-site marine survey of the vessel's integrity. PHOTOS: N/A DRAWING SHEET NO.: N/A ADD'L DOCUMENTATION: S2 survey estimate							
Updates A Project is	AFTER S COMPLETED							
ITEM No:	FEATURE:	Const. Date:		Funding Source(s):	GRANT OTHER	BUDGET ITEM No.:		
Describe (EXISTING FEATU	RE AND ITS CONDITION						
Describe \	DESCRIBE WORK AND IMPACT ON EXISTING FEATURE							
Pнотоs:	PHOTOS: DRAWING SHEET NO.: ADD'L DOCUMENTATION:							
UPDATES AFTER PROJECT IS COMPLETED								
ITEM No:	FEATURE:	Const. Date:		Funding Source(s):	GRANT OTHER	BUDGET ITEM No.:		
DESCRIBE EXISTING FEATURE AND ITS CONDITION								
DESCRIBE WORK AND IMPACT ON EXISTING FEATURE								
Photos:	PHOTOS: DRAWING SHEET NO.: ADD'L DOCUMENTATION:							
UPDATES AFTER PROJECT IS COMPLETED								

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