KENTUCKY TRANSPORTATION CABINET
Department of Highways
DIVISION OF PLANNING

TC 59-13
Rev. 02/2021

KENTUCKY RAILROAD CROSSING IMPROVEMENT (KRCI) APPLICATION

SECTION 1: PROJECT OVERVIEW

APPLICANT NAME	DOT CROSSING #	APPLICATION YEAR
KENTUCKY RAILWAY MUSEUM INC.	# 342989S	2024

ROAD NAME	ROAD MILE POINT	CROSSING LOCATION	
		CITY	COUNTY
NELSONVILLE LOOP (NORTH)	40.4		NELSON

PROJECT TYPE

☒ Crossing Rehab (Select One) ☐ Crossing Safety (Select One) ☐ Obstructive Vegetation Removal

TOTAL PROJECT COST	KRCI FUNDING REQUESTED	APPLICANT MATCH	APPLICANT MATCH % *(20% Minimum)*
$ 69,091.72	$ 55,273.38	$ 13,818.34	20 %

Does applicant plan to use their own manpower, equipment, or materials on the project (Force Account) or competitively bid out all work related to the project? Select One

PROJECT DESCRIPTION *(Provide a brief project description. Include why the crossing was selected, project purpose and benefits, and the proposed work to be completed. Text is limited to the space provided below.)*

Nelsonville Loop Road crossings (2), both north and south crossings, run off of Highway 52 in Nelson County about 4 miles from city of New Haven and about 6 miles from town of Boston Kentucky on Highway 61. Both crossings are guard timber and asphalt crossings. It has been about 17 years since the last time the crossings had any guard and crossing timbers replaced or new asphalt put down. The guard/crossing timbers are failing and the bolts which hold the timbers down are coming loose from the timbers. The crossings provide the only access to many houses and farms to the west of highway 52 in Nelson County.

FOR KYTC USE ONLY

Date Received: _____

	Y	N
Application Complete	☐	☐
603 KAR 7:090 Compliant	☐	☐
Eligible Applicant	☐	☐

FRA WBAPS Score: _____

Match %: _____

Road ADT: _____

Secretary Approval: ☐ Y ☐ N

KRCI Award Amount: _____

KRCI Award Date: _____

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SECTION 2: APPLICANT INFORMATION

Is the applicant a railroad? ☐ NO ☒ YES *(Provide KY Secretary of State information.)*

KY SECRETARY OF STATE (KY SOS) ORGANIZATION ID OR #	KY SOS STATUS	KY SOS STANDING
0028447	Select One A-ACTIVE	Select One G-GOOD

PRIMARY CONTACT INFORMATION

NAME & TITLE	PHONE	EMAIL
GREG MATHEWS, EXECUTIVE DIRECTOR	502-549-5470	KYRAIL@BARDSTOWN.COM

MAILING ADDRESS	CITY	STATE	ZIP
PO BOX 240, 136 S. MAIN STREET	NEW HAVEN	KY	40051

If awarded, will signatory be different from the Primary Contact? ☒ NO ☐ YES *(Provide signatory information.)*

SIGNATORY NAME & TITLE	PHONE	EMAIL

MAILING ADDRESS	CITY	STATE	ZIP

SECTION 3: PERMITS AND APPROVALS

A. Have consultations with state or federal agencies (US Army Corps of Engineers, US Coast Guard, US Fish and Wildlife Service, Kentucky Division of Water, Kentucky Heritage Council, or others) determined the need for permits? Select One

B. Have all required permits been obtained? Select One

SECTION 4: CURRENT RAILROAD CROSSING INFORMATION *(Section 4 must be completed for ALL projects.)*

# OF TRAFFIC LANES	ROAD SPEED LIMIT	AVERAGE DAILY TRAFFIC (ADT) AT CROSSING	RAILROAD DIVISION
2	35	400	KRM MAIN

TYPICAL TRAIN SPEED AT CROSSING	# OF TRACKS AT CROSSING	RAIL MILE POINT	BRANCH/LINE NAME
15 MPH	1	40.4	KRM MAIN

AVERAGE DAILY TRAIN MOVEMENTS AT CROSSING	FRA TRACK CLASS AT CROSSING	TOTALS FROM PREVIOUS 5 YEARS AT CROSSING		
		CRASHES	FATALITIES	INJURIES
4	CLASS 2 Select One	0	0	0

KENTUCKY RAILROAD CROSSING IMPROVEMENT (KRCI) APPLICATION

SECTION 5: CROSSING RECONSTRUCTION *(Required ONLY for Crossing Reconstruction projects.)*

CURRENT CROSSING

DATE INSTALLED	WIDTH OF ROAD	SURFACE MATERIAL	WEIGHT OF RAIL
2010	24 feet	TIMBER AND ASPHALT ROAD	100LB

SURFACE CONDITION	VISIBLE TIE CONDITION	APPROACH CONDITION	DRAINAGE CONDITION
~~Select One~~ POOR	~~Select One~~ POOR	~~Select One~~ FAIR → POOR	~~Select One~~ FAIR

PROPOSED RECONSTRUCTION

PROJECT IMPACT ON SIDEWALK, MULTI-USE PATH, OR RECREATIONAL TRAIL	MAXIMUM CHANGE IN TRACK ELEVATION ABOVE/BELOW EXISTING ROADWAY	LENGTH OF ASPHALT APPROACH	
		Taper 1	Taper 2
~~Select One~~ NO	~~inches~~ 0 INCHES	feet	feet

REPLACEMENT CROSSING SURFACE: ~~Select One~~ ASPHALT AND TIMBERS + NEW 115# RAIL

SECTION 6: CROSSING SAFETY EQUIPMENT IMPROVEMENT *(Required ONLY for Crossing Safety Equipment Improvement projects.)*

	INSTALL	UPGRADE EXISTING
A. Project Signage Work: Crossing Signs and Markings	☐	☐

1. Describe in detail signs and markings currently used at crossing. *(Text is limited.)*

2. Describe in detail signs and markings proposed at crossing as part of the project. *(Text is limited.)*

	INSTALL	UPGRADE EXISTING
B. Project Signal Work: Active Traffic Control Devices	☐	☐

1. Describe in detail active traffic control devices currently used at crossing.

2. Describe in detail active traffic control devices proposed at crossing as part of the project.

KENTUCKY RAILROAD CROSSING IMPROVEMENT (KRCI) APPLICATION

SECTION 7: SUBMISSION CHECKLIST *(See KRCI Guidance Document, Section V, for details.)*

- [x] Kentucky Railroad Crossing Improvement Application (TC 59-13)
- [x] Statement of Work
- [x] Scope of Work
- [x] Project Schedule/Timeline TBD
- [ ] Detailed engineering assessment report (as applicable)
- [x] Aerial Photographs and photographic documentation of crossing location and condition (especially for Obstructive Vegetation removal projects)
- [ ] Plans, schematics, details, drawings of the proposed project (as applicable)
- [x] Photographic documentation of the project location and condition
- [x] Detailed estimate
- [x] Road authority consultation letter (if applicant is a railroad)
- [ ] Railroad consultation letters (if applicant is a government entity)
- [ ] Public Interest Finding (as applicable)

SECTION 8: RAILROAD COMPLIANCE CERTIFICATION *(Required ONLY if applicant is a railroad.)*

I hereby certify that as an applicant defined as a railroad in 603 KAR 7:090(1), my company has completed and submitted the TC 59-102 in compliance with the provisions of 603 KAR 7:090 at the time of this application. If it is determined I am not an eligible applicant at the time of this submission, I agree that this application shall be immediately rejected without consideration and returned to me without review.

PRINTED NAME AND TITLE	SIGNATURE	DATE
William G. Mathews	Greg Mathews	15 June 2023

SECTION 9: APPLICANT CERTIFICATION *(The certification below applies to all applicants.)*

I have read the Kentucky Railroad Crossing Improvement guidance document, and I understand and agree to abide by what is stated therein. I also hereby certify, subject to the provisions of KRS 523.100 (unsworn falsification to authorities), that the above information is true and correct to the best of my knowledge.

PRINTED NAME AND TITLE	SIGNATURE	DATE
William G. Mathews	Greg Mathews	15 June 2023

Submission Directions: Applicants must combine their completed application and all required attachments into a single PDF and submit it electronically via email to KYTC.ModalPrograms@ky.gov. It is the responsibility of the applicant to ensure delivery of the emailed submission.

Kentucky Transportation Cabinet

FY 2024 Crossing Grant

Kentucky Railway Museum Inc.

STATEMENT OF WORK

There are four (4) crossings for which grants are being requested: 1st Street in New Haven, DOT #343003T; Holton Valley off Highway 52, DOT #242997J; Nelsonville Loop (south), off Highway 52, DOT #342992A; Nelsonville Loop (north), off Highway 52, DOT #342989S.

All four crossings are in need of repair/rebuild having been in service for over 13+ years each. All have on average 400 vehicles per day or less including delivery and construction trucks, farm equipment and cars. All are a combination of rock, timber and asphalt construction, 100lb rail, and rail guards.

All crossings will have current crossing materials (timbers, rock, rail guards, drainage pipes, old rail and damaged ties) removed and new fill, tamping, ties and heavier rail (115lb), drainage, and rail guards and asphalt installed.

Crossing repair/replacement work will be coordinated with local and State Highway authorities as indicated to minimize impact on local residents and traffic. All work and materials will be in compliance with local, State and FRA safety requirements.

Nelson County – Kentucky
Tim Hutchins – County Judge Executive
PO Box 578 – One Court Square, 2nd Floor
Bardstown, KY 40004
502-348-1800
ncjudge@bardstown.com

Magistrate District #1: Keith Metcalfe
Magistrate District #2: Adam Wheatley
Magistrate District #3: MT Harned
Magistrate District #4: Jeff Lear
Magistrate District #5: Jon Snow

Ref: KRCI Funds – Kentucky Railway Museum – District 4

To Whom it May Concern,

We have been notified of the following proposed crossing improvement projects and are aware of their implementation per KRCI review. Our district, the crossing, proposed dates of improvements and crossing identification number are listed below.

In consideration to the proposed scope and scheduling of the proposed project plan, we propose to contribute the following resources and/or services to include review by the County Engineer to ensure compliance with the Nelson County Roadway Construction Standards.

Crossing Improvement Information:

District	County	RD/HWY	Road Number	DOT	Planned Work	Projected Dates
4	Nelson	Nelsonville Loop	CR-1266	342989S	Crossing Improvement	7/22-7/23/24
4	Nelson	Nelsonville Loop	CR-1266	342992A	Crossing Improvement	7/29-8/2/24

Regards,

Bradley T. Spalding

Bradley T. Spalding, P.E.
County Engineer

CF: Tim Hutchins, NCJE
Chris Martin, NCRD

Keith Metcalfe, Magistrate
John Greenwell, County Engineer

ASSOCIATED RAILROAD CONTRACTORS, INC.

Keeping You On The Right Track!

PO Box 19246
Louisville, KY 40259-0246
Main: 502.966.9781
Fax: 502.966.4063
www.associatedrailroad.com

June 12, 2023

Kentucky Railway Museum
ATTN: Mr. Greg Mathews
136 S Main St
New Haven, KY 40051

RE: KY Shortline Rail Crossing Projects
Nelsonville Loop N 342989S

Proposal #: KRM Nelsonville Loop N 342989S - 230612

Mr. Greg Mathews,

Responding to your request we are pleased to submit for your review and consideration our proposal to perform the following scope of work.

1. Obtain encroachment permit and provide traffic control for project in accordance with MUTCD regulations and as per approved encroachment permit.
2. Procure and distribute the following crossing material previous to construction and installation:
   A. New 115#RE rail field welded to eliminate joints within crossing.
   B. New 7"x9"x8'6" AREMA Grade 4/5 crossties.
   C. New 5.5" double shouldered tie plates.
   D. New Unit 5 knock-on rail anchors.
   E. New 5/8"x6" AREMA prime rail spikes.
   F. New Performance Polymers Innovations Rubber Railseal with Manufacture's Recommended Clips
   G. Clean local limestone ballast.
3. Panelize/construct 1 each 80' track panel.
4. Saw cut existing asphalt pavement 8'6" either side of the track centerline (total of 17' per state specification), remove and dispose of existing asphalt.
5. Dismantle and remove existing track structure and crossing surface within the limits of the proposed crossing and track crossing approach as required for panel installation.
6. Within the limits as indicated above, excavate the track 6" below desired bottom of tie and grade in accordance with state specifications and compact the final subgrade. Install 6" minimum drainpipe as per specifications.
7. Install 1 each pre-constructed 80' track panel (Item 3 above) bolted with compromising joint bars to existing track.
8. Install ballast and raise, line, crosslevel, machine tamp and dress track panels and track crossing approaches to provide proper surface.
9. Install 24 track feet of PPI Rubber Railseal crossing material with manufacture's recommended rail clips.
10. Furnish and install new hot mix asphalt pavement for a distance of 25' on each roadway approach as specified by the state and install pavement markings where required.
11. Mobilization and demobilization as required to stage and prosecute noted scope of work.

LUMP SUM THIS PROPOSAL: $69,091.72

PRICING DETAIL:

1.	Saw Cut Existing Asphalt Approaches	$1,040.90
2.	Excavation/Grading and Drainage	$4,599.57
3.	Distribution of Material, Track Construction, Installation and Surfacing	$22,907.20
4.	Traffic Control/Permits	$2,200.00
5.	Asphalt - L&E	$7,713.75
6.	Material	$24,282.50
7.	Striping	$0.00
8.	Mobe and Demobe	$4,373.40
9.	Flagging	$1,974.40
10.	Signal Maintainer	$0.00

LUMP SUM THIS PROPOSAL: $69,091.72

Mr. Greg Mathews
Kentucky Railway Museum
KY Shortline Rail Crossing Projects
KRM Nelsonville Loop N 342989S - 230612
6/12/2023

ITEM #6 (PREVIOUS) - MATERIAL BREAKDOWN:

Drain Pipe	80.00	LF	$16.50	$1,320.00
Asphalt (Delivered)	25.00	NT	$192.50	$4,812.50
Welds	2.00	Ea	$181.50	$363.00
136 Rail	0.00	Ton	$1,870.00	$0.00
115 Rail	2.99	Ton	$2,090.00	$6,249.10
Comp Bars	4.00	Each	$550.00	$2,200.00
Transition Rail 136/132/115	0.00	Each	$1,210.00	$0.00
Anchors	180.00	Each	$3.03	$544.50
Track Spikes	4.00	Keg	$85.80	$343.20
Tie Plates	96.00	Each	$16.50	$1,584.00
Crossties 7" x 9"	45.00	Each	$93.50	$4,207.50
Switch Tie - 10'	0.00	Each	$115.83	$0.00
PPI Rubber Railseal	20.00	TF	$88.00	$1,760.00
PPI Clips	24.00	Each	$8.80	$211.20
Ballast	25.00	Ton	$27.50	$687.50
Sales Tax	1.00	LS	$0.00	$0.00
				$24,282.50

Notes & Clarifications

* Pricing assumes the use of Associated Railroad Contractors standard straight time wage rates with a one time mobilization/demobilization per each project crossing.
* Underground utility relocation and/or encasement if required is not included.
* Work other than as specified is not included.

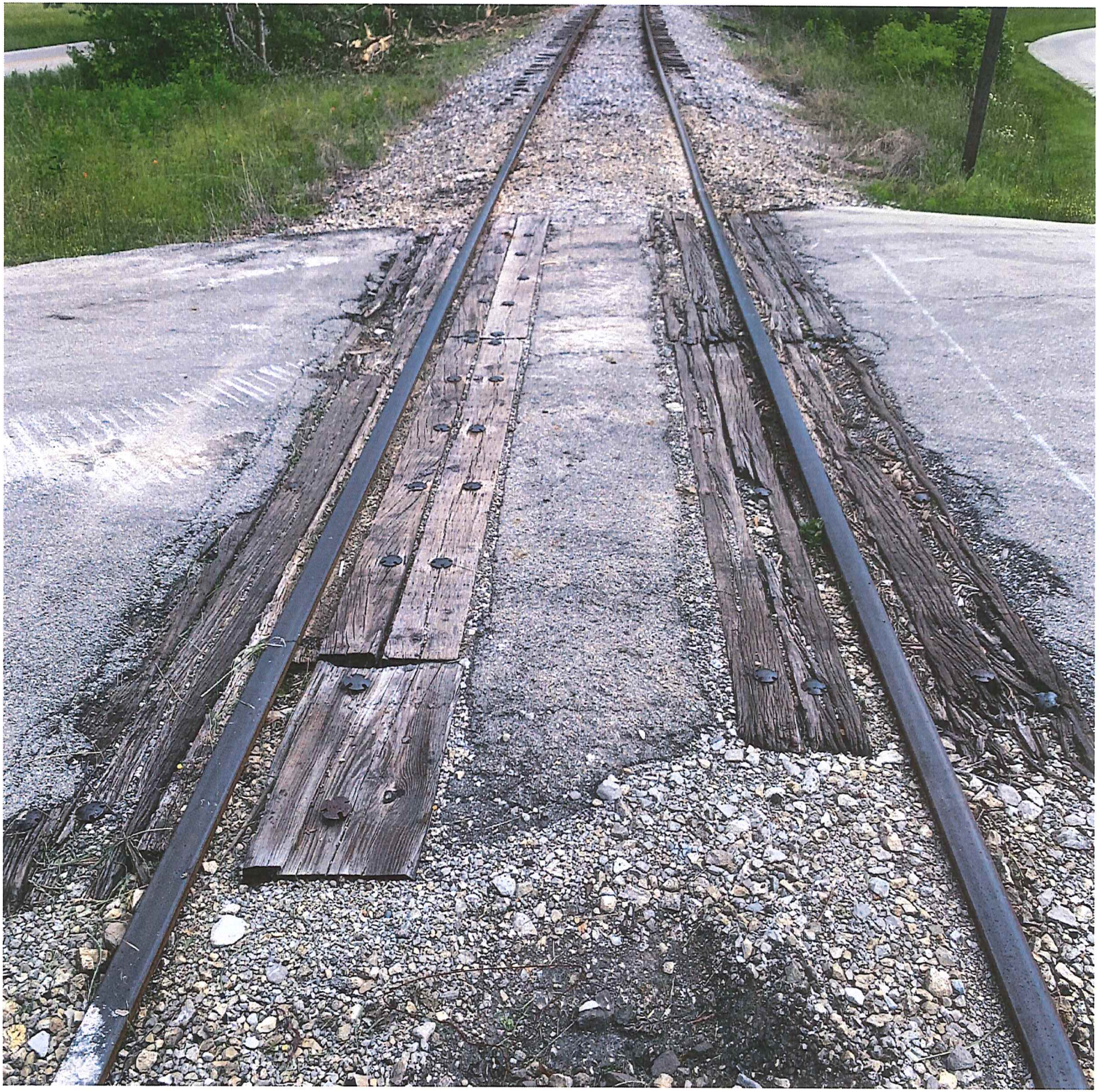
Should you have any questions or need additional information please feel free to call. We will gladly assist you in any way that we can.

We appreciate your inquiry and look forward to working with you on this project.

Respectfully,

Micah N. McCray
Vice President
Associated Railroad Contractors, Inc.
Phone: (502) 966-9781
FAX: (502) 966-4063
Cell: (502) 649-1173
micah@associatedrailroad.com

Nelsonville Loop North
Write a description for your map.
Legend
52
2229
Nelsonville Rd
Nelsonville Loop
Google Earth
N
200 ft



Kentucky Railway Museum
Nelsonville Loop Crossing
DOT# 342989S

ACTIVITY	START	DURATION
Detour and Permit Submittal	8-Jul	14
Locates	15-Jul	5
Mobe Equipment/Material	17-Jul	3
Road Closure	22-Jul	5
Saw Cutting	22-Jul	1
Excavation	22-Jul	1
Crossing Installation	23-Jul	3
Paving	26-Jul	1
Road Opening	27-Jul	1