

FY 2025 Kentucky Rail Crossing Improvement Projects

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FY 2025 Kentucky Rail Crossing Improvement Projects

PROJECT DESCRIPTION

Norfolk Southern Railway Company is looking to identify potential at-grade crossings and propose adding counter measures to reduce crossing hazards in the vicinity of the crossing. Crossing DOT# 719983X, Milepost 15.58, located in Union, KY is a potential crossing Norfolk Southern would like to consider for improvements by installing new raised curb delineators to help channelize vehicles. Expected outcome of project would be to create a safer highway-rail crossing to reduce the potential for incidents in the crossing vicinity.

PROJECT SCOPE OF WORK

The proposed project will include installation of raised curb medians with delineators. The raised curb medians with delineators will help channelize vehicles that are queued at the railroad crossing and deter drivers from driving around crossing arm when the signal is activated. The purpose of the project is to reduce risk of an incident in the vicinity of the crossing. For more information, please refer to the concept plan showing improvements in Exhibit C and the detailed project estimate in Exhibit E.

PROJECT SCHEDULE/TIMELINE

When authorization to proceed is received, Norfolk Southern (NS) will immediately begin, coordinating with the local road authority. Complete detailed design drawings for construction at the three (3) month mark. Norfolk Southern to bid project. Contractors' bid to include a detailed time schedule for material procurement and installation. NS will receive bids at the five (5) month mark. NS will evaluate bids and award project, as necessary, at the six (6) month mark. Contractor to start procurement and installation in accordance with their detailed time schedule. Upon completion of project by contractor, NS will inspect the finished product within a month. If all criteria are met, NS will send out a project closeout report and final billing notice. For more information, please refer to the Project Schedule/Timeline Gant Chart.

KYTC Project Timeline, DOT#719983X

Norfolk Southern Railway Corporation

[illegible]



KENTUCKY TRANSPORTATION CABINET
Department of Highways
DIVISION OF PLANNING

TC 59-13
Rev. 02/2021
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KENTUCKY RAILROAD CROSSING IMPROVEMENT (KRCI) APPLICATION

SECTION 1: PROJECT OVERVIEW

APPLICANT NAME		DOT CROSSING #	APPLICATION YEAR
Norfolk Southern Railway Company		719983X	2025
ROAD NAME	ROAD MILE POINT	CROSSING LOCATION	
		CITY	COUNTY
Mahe Road		Union	Boone

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)
\$ 23,726.00	\$ 18,980.80	\$ 4,745.20	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? Bid Out

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.)

The proposed project includes installation of raised curb medians with delineators of 80 feet on the westside and 100 feet on the east side of the crossing. The raised curb medians with delineators will help channelize vehicles that are queued at the railroad crossing and deter drivers from driving around crossing arms when the signal is activated. The proposed project is to reduced risk of an incident in the vicinity of the crossing.

FOR KYTC USE ONLY

Date Received: _____	FRA WBAPS Score: _____	Secretary Approval: <input type="checkbox"/> Y <input type="checkbox"/> N
Application Complete <input type="checkbox"/> Y <input type="checkbox"/> N	Match %: _____	KRCI Award Amount: _____
603 KAR 7:090 Compliant <input type="checkbox"/> Y <input type="checkbox"/> N	Road ADT: _____	KRCI Award Date: _____
Eligible Applicant <input type="checkbox"/> Y <input type="checkbox"/> N		



KENTUCKY TRANSPORTATION CABINET
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KENTUCKY RAILROAD CROSSING IMPROVEMENT (KRCI) APPLICATION

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
Michael Adams	A-Active	G-Good

PRIMARY CONTACT INFORMATION

NAME & TITLE	PHONE	EMAIL		
Ernest L. Jackson, Public Safety Manager	(404) 291 - 7223	Ernest.Jackson@nscorp.com		
MAILING ADDRESS	CITY		STATE	ZIP
650 West Peachtree Street NW Atlanta, GA 30308	Atlanta		GA	30308

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?
Not Applicable

B. Have all required permits been obtained? Not Applicable

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	3425		Midwest		
TYPICAL TRAIN SPEED AT CROSSING		# OF TRACKS AT CROSSING	RAIL MILE POINT	BRANCH/LINE NAME		
60		1	15.58	Louisville		
AVERAGE DAILY TRAIN MOVEMENTS AT CROSSING		FRA TRACK CLASS AT CROSSING	TOTALS FROM PREVIOUS 5 YEARS AT CROSSING			
28		Class 4	CRASHES		FATALITIES	INJURIES
			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
	feet		
SURFACE CONDITION	VISIBLE TIE CONDITION	APPROACH CONDITION	DRAINAGE CONDITION
Select One	Select One	Select One	Select One

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	
Select One	inches	Taper 1	Taper 2
		feet	feet

REPLACEMENT CROSSING SURFACE: Select One

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	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1. Describe in detail signs and markings <u>currently</u> used at crossing. (Text is limited.) Currently there is one ENS (I-13) sign.		
2. Describe in detail signs and markings <u>proposed</u> at crossing as part of the project. (Text is limited.) Proposed work will include installation of raised curb medians with delineators on each approach to the crossing.		
	INSTALL	UPGRADE EXISTING
B. Project Signal Work: Active Traffic Control Devices	<input type="checkbox"/>	<input type="checkbox"/>
1. Describe in detail active traffic control devices <u>currently</u> used at crossing. Currently there two roadway gates arms, each with two quad configuration. There are two mass monunted flashing lights (incandesant and Back Lights)		
2. Describe in detail active traffic control devices <u>proposed</u> at crossing as part of the project. No changes to the active warning devices being proposed.		



KENTUCKY RAILROAD CROSSING IMPROVEMENT (KRCI) APPLICATION

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

- ☒ Kentucky Railroad Crossing Improvement Application (TC 59-13)
- ☒ Statement of Work
- ☒ Scope of Work
- ☒ Project Schedule/Timeline
- ☐ Detailed engineering assessment report (as applicable)
- ☐ 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)
- ☒ Photographic documentation of the project location and condition
- ☒ Detailed estimate
- ☒ 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
Ernest L. Jackson, Public Safety Manager		02/14/2025

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
Ernest L. Jackson, Public Safety Manager		02/14/2025

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.



Exhibit A

EXHIBIT - PROPOSED SAFETY IMPROVEMENTS

PROJECT DESCRIPTION: TO INCREASE SAFETY AT THIS RAIL ROAD CROSSING, SECTIONS OF CONTINUOUS CURB ARE BEING PROPOSED TO CHANNELIZE VEHICLES THAT ARE QUEUED AT THE RAIL ROAD CROSSING. THIS WILL DETER DRIVERS FROM DRIVING AROUND THE CROSSING ARM WHEN THE SIGNAL IS ACTIVATED.

NOTE:
CONCEPTUAL - NOT FOR CONSTRUCTION

REV	BY	DATE	DESCRIPTION
DO NOT SCALE THIS DRAWING FOR DIMENSIONS NOT GIVEN			
<div><div><div></div><div>NS</div></div><div>NORFOLK SOUTHERN</div></div> <div>MIDWEST</div> <div>CNO&TP NORTH</div> <div>ATLANTA, GA</div>			
DOT# 719983X -- UNION, KY MAHER ROAD			
DGN	VAL	SEC	N/A
CHK	FILE	N/A	
SHEET NO		01 OF 02	DRAWING NO N/A
MAP		N/A	MILEPOST 15.58
DATE		24-JAN-2025	

stv

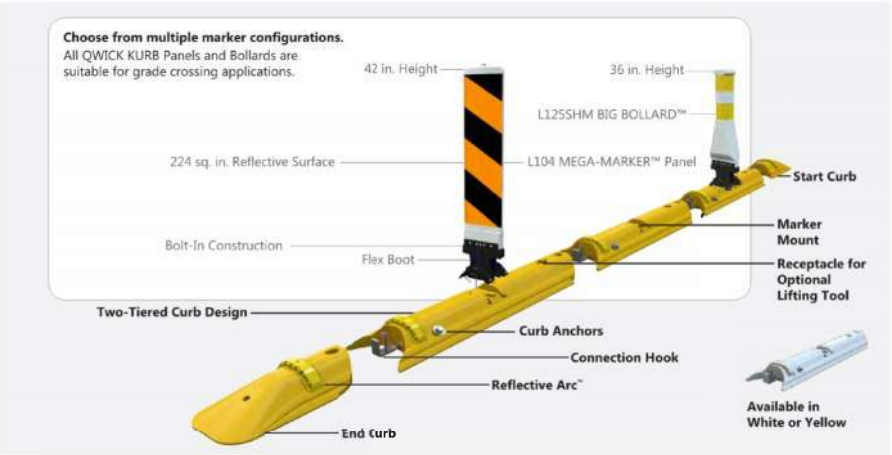
STV INCORPORATED
1201 PEACHTREE STREET, NE, SUITE 1550
ATLANTA, GEORGIA 30361
678-735-7650



Exhibit B

EXHIBIT - PROPOSED SAFETY IMPROVEMENTS

PROJECT DESCRIPTION: TO INCREASE SAFETY AT THIS RAIL ROAD CROSSING, SECTIONS OF CONTINUOUS CURB ARE BEING PROPOSED TO CHANNELIZE VEHICLES THAT ARE QUEUED AT THE RAIL ROAD CROSSING. THIS WILL DETER DRIVERS FROM DRIVING AROUND THE CROSSING ARM WHEN THE SIGNAL IS ACTIVATED.



NOTE:
CONCEPTUAL - NOT FOR CONSTRUCTION

REV	BY	DATE	DESCRIPTION
DO NOT SCALE THIS DRAWING FOR DIMENSIONS NOT GIVEN			
<div><div><div></div><div>NS</div></div><div>NORFOLK SOUTHERN</div></div> <div>MIDWEST</div> <div>CNO&TP NORTH</div> <div>ATLANTA, GA</div>			
DOT# 719983X -- UNION, KY MAHER ROAD			
DGN	VAL	SEC N/A	MAP N/A
CHK	FILE	N/A	MILEPOST 15.58
SHEET NO 02 OF 02		DATE 24-JAN-2025	
DRAWING NO N/A			

st

INCORPORATED

1201 PEACHTREE STREET, NE, SUITE 1550

ATLANTA, GEORGIA 30361

678-735-7650



Report No.: 1

Onsite Representative: Donald Gourley

PRINT NAME

PRELIMINARY ENGINEERING ON-SITE REPRESENTATIVE REPORT

Railroad Line: First Dist. - CNO&TP
 Milepost: 15.58 (OLD CNO&TP)
 Railroad File No.: DOT # 719983X
 Location: Union, Boone County KY
 Route No.: Maher Road (CR1117)
 Railroad Division: CENTRAL

Date of Report: 2/4/2025
 Date of Visit: 2/4/2025
 Weather: CLOUDY
 Temperature: High: 40 Low: 25
 Project Sponsor: NK
 STV Project No: 4019903-2528-2100

SAFETY OF OPERATIONS

STV Onsite Check in Log:

Railway Contact: NA Date: NA
 How Contacted: NA Time: NA

Is Flagman Needed? NO Present? NO Name: NA
 Flagman from: B&B T&E M of W

PROJECT DESCRIPTION

Crossing review for a Crossing Update

TRACK INFORMATION

No. of Tracks: 1
 Track Type: Welded
 Direction: North - South
 Alignment: Tangent
 Profile (Grade): -0.34
 Superelevation: 0
 Right of Way: NK
 Rail Type: 132
 Crossing Length: 35'
 Crossing Type: Asphalt

Additional Track Info:

Track Speed 50 MPH

SIGNALS/COMMUNICATIONS

Do any Railway Signals or Communication lines need to be removed or relocated? NO

Do any Railway Signals or Communication lines need to be protected? YES

Additional Signal/Communication Info:

Crossing # 719-953X

DRAINAGE

Is Current Drainage adequate? YES

Is proposed site Drainage Adequate? NK

Is proposed Structure Drainage Adequate? NK

Additional Drainage Info:





Report No.: 1
Onsite Representative: Donald Gourley

PRELIMINARY ENGINEERING ON-SITE REPRESENTATIVE REPORT

Railroad/Line	<u>First Dist. - CNO&TP</u>	Date of Report:	<u>2/4/2025</u>
Milepost:	<u>15.58 (OLD CNO&TP)</u>	Date of Visit:	<u>2/4/2025</u>
Railroad File No.:	<u>DOT # 719983X</u>	Weather:	<u>CLOUDY</u>
Location:	<u>Union, Boone County KY</u>	Temperature:	<u>High: 40 Low: 30</u>
Route No.:	<u>Maier Road (CR1117)</u>	Project Sponsor:	<u>NA</u>
Railroad Division:	<u>CENTRAL</u>	STV Project No:	<u>4019903-2528-2100</u>

Site Access and Crossings

Will a Temporary Construction Crossing be Required? NO
Will Existing or Future Railway Access be Impacted by the Project? NO
Can any Nearby Crossings be Closed in Conjunction with this Project? NK
Additional Site Access and Crossing Info.:

Proposed Structure Data

Existing Vertical Clearance:	<u>NA</u>	Are Crash Walls Required?	<u>NA</u>
Proposed Vertical Clearance:	<u>NA</u>	Are Crash Walls Provided?	<u>NA</u>
Existing Horizontal Clearance:	<u>NA</u>	Do They Conform to AREMA?	<u>NA</u>
Proposed Horizontal Clearance:	<u>NA</u>		
Will Sheeting/Shoring be Required?	<u>NA</u>	Dist. from CL Track:	<u>NA</u>
Will Demolition Shields be Required?	<u>NA</u>	Temporary Clearance Reduction?	<u>NA</u>
Are there Existing Sidewalks?	<u>NA</u>	Any Existing Pedestrian Issues?	<u>NA</u>
Any Existing Vandalism Issues?	<u>NA</u>		
Additional Structure Information:			

Additional Information/Issues Noted

Current Project Status



PRELIMINARY ENGINEERING ON-SITE REPRESENTATIVE REPORT

Time Log

ITEM	DESCRIPTION	QTY / HRS
On Site	11:00 13:00	2
Travel Time	12:00 -14:00 (RT)	2
Other (Describe)	Field Report	1
Total Hours Charged		5

On-Site Representative: Donald Gourley
PRINT NAME

STV Project No.: 4019903-2528

PHOTOGRAPHS

Photograph No.: <u>1</u>
Date: <u>2/4/2025</u>
Direction of View: <u>EAST</u>
Description
Looking at the Elevated Crossing



Photograph No.: <u>2</u>
Date: <u>2/4/2025</u>
Direction of View: <u>SOUTH</u>
Description
Existing Drive way to Parking Lot



PRELIMINARY ENGINEERING ON-SITE REPRESENTATIVE REPORT

Railroad Line: First Dist. - CNO&TP
 Milepost: 15.58 (OLD CNO&TP)
 Railroad File No.: DOT # 719983X
 Location: Union, Boone County KY
 Route No.: Maher Road (CR1117)
 Railroad Division: CENTRAL

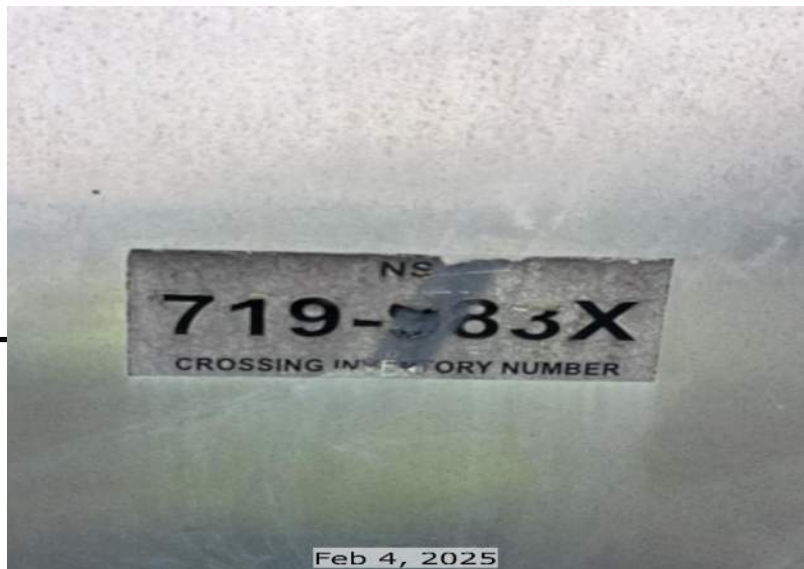
Date: 2/4/2025
 Sponsor Contact: NA
 Contacted via: NA
 Time Contacted: NA
 Weather: NK
 Temperature: Hi: 40 Lo: 25

PHOTOGRAPHS

Photograph No.: <u>003</u>
Date: <u>2/4/2025</u>
Direction of View: <u>S/E</u>
Description
A View of the Crossing



Photograph No.: <u>4</u>
Date: <u>2/4/2025</u>
Direction of View: <u>NORTH</u>
Description
Crossing ID #



PRELIMINARY ENGINEERING ON-SITE REPRESENTATIVE REPORT

Railroad Line: First Dist. - CNO&TP
 Milepost: 15.58 (OLD CNO&TP)
 Railroad File No.: DOT # 719983X
 Location: Union, Boone County KY
 Route No.: Mahe Road (CR1117)
 Railroad Division: CENTRAL

Date: 2/4/2025
 Sponsor Contact: NA
 Contacted via: NA
 Time Contacted: NA
 Weather: NK
 Temperature: Hi: 40 Lo: 25

PHOTOGRAPHS

Photograph No.: <u>5</u>
Date: <u>2/4/2025</u>
Direction of View: <u>WEST</u>
Description
A View of the Asphalt Crossing



Photograph No.: <u>6</u>
Date: <u>2/4/2025</u>
Direction of View: <u>EAST</u>
Description
Looks like new Cable has been installed



PRELIMINARY ENGINEERING ON-SITE REPRESENTATIVE REPORT

Railroad Line First Dist. - CNO&TP
 Milepost: 15.58 (OLD CNO&TP)
 Railroad File No.: DOT # 719983X
 Location: Union, Boone County KY
 Route No.: Maher Road (CR1117)
 Railroad Division: CENTRAL

Date: 2/4/2025
 Sponsor Contact: 2/4/2025
 Contacted via: NA
 Time Contacted: NA
 Weather: CLOUDY
 Temperature: Hi: 40 Lo: 25

PHOTOGRAPHS

Photograph No.: <u>7</u>
Date: <u>2/4/2025</u>
Direction of View: <u>NA</u>
Description
Again Crossing #



Photograph No.: <u>8</u>
Date: <u>2/4/2025</u>
Direction of View: <u>NORTH</u>
Description
The Safety Hand Rail has been destroy



PRELIMINARY ENGINEERING ON-SITE REPRESENTATIVE REPORT

Railroad Line: First Dist. - CNO&TP
 Milepost: 15.58 (OLD CNO&TP)
 Railroad File No.: DOT # 719983X
 Location: Union, Boone County KY
 Route No.: Mahe Road (CR1117)
 Railroad Division: CENTRAL

Date: 2/4/2025
 Sponsor Contact: 2/4/2025
 Contacted via: NA
 Time Contacted: NA
 Weather: CLOUDY
 Temperature: Hi: 40 Lo: 25

PHOTOGRAPHS

Photograph No.: <u>9</u>
Date: <u>2/4/2025</u>
Direction of View: <u>N/E</u>
Description
Looking at the elevated Crossing.



Photograph No.: <u>10</u>
Date: <u>2/4/2025</u>
Direction of View: <u>S/E</u>
Description
Signal Hand Rail



DETAILED CONSTRUCTION ESTIMATE

Grade Crossing Hazard Elimination - Union, KY_DOT# 719983X_MP 15.58

Estimate of Proposed Crossing Improvements

Item	Unit	Quantity	Unit Price	Cost
Qwick Kurb Interlocking Raised Separator Unit, Yellow	EA	51	\$110.00	\$5,610
Qwick Kurb Male and Female End Unit, Yellow	EA	4	\$100.00	\$400
Qwick Kurb Reflective Arc, Yellow	EA	51	\$30.00	\$1,530
Qwick Kurb Mega Marker w/ Flex & Bar, Yellow Reflective Sheeting (spaced 10 feet apart)**	EA	20	\$120.00	\$2,400
Qwick Kurb Pavement Anchors	EA	102	\$3.00	\$306
Edge Delineators*	EA	0	\$150.00	\$0
Railroad Striping/Pavement Markings	LF	0	\$1.30	\$0
Advanced Warning Signs (Solar Powered Flashing Sign)***	LS	0	\$7,000.00	\$0
Project Coordination/Mobilization	LS	1	\$6000.00	\$6,000
Manpower/Installation w/ 4 Person crew (Assume 8-hour duration)	LH	64	\$70.00	\$4,480
MOT/Traffic Controls	LS	1	\$3000.00	\$3,000
Total Cost				\$23,726

* Future cost of damaged uprights is estimated as \$15/yr per 10 feet for delineators.

** Securing Arcs and Screws are included in estimate.

*** 3-year limited battery warranty, 5-year limited system warranty, 10-year limited solar panel warranty.

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION

FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date (MM/DD/YYYY) 12 / 06 / 2024	B. Reporting Agency <input checked="" type="checkbox"/> Railroad <input type="checkbox"/> Transit <input type="checkbox"/> State <input type="checkbox"/> Other	C. Reason for Update (Select only one) <input checked="" type="checkbox"/> Change in Data <input type="checkbox"/> Re-Open <input type="checkbox"/> New Crossing <input type="checkbox"/> Date Change Only <input type="checkbox"/> Closed <input type="checkbox"/> Change in Primary Operating RR <input type="checkbox"/> No Train Traffic <input type="checkbox"/> Quiet Zone Update <input type="checkbox"/> Admin. Correction	D. DOT Crossing Inventory Number 719983X
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Part I: Location and Classification Information

1. Primary Operating Railroad Norfolk Southern Railway Company [NS]		2. State KENTUCKY		3. County BOONE	
4. City / Municipality <input type="checkbox"/> In <input checked="" type="checkbox"/> Near UNION		5. Street/Road Name & Block Number MAHER ROAD (Street/Road Name) * (Block Number)		6. Highway Type & No. CR 1117	
7. Do Other Railroads Operate a Separate Track at Crossing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Specify RR			8. Do Other Railroads Operate Over Your Track at Crossing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Specify RR		
9. Railroad Division or Region <input type="checkbox"/> None MIDWEST		10. Railroad Subdivision or District <input type="checkbox"/> None CNO&TP NORTH		11. Branch or Line Name <input checked="" type="checkbox"/> None	
12. RR Milepost 0015.580 (prefix) (nnnn.nnn) (suffix)					
13. Line Segment *		14. Nearest RR Timetable Station * RICHWOOD		15. Parent RR (if applicable) <input checked="" type="checkbox"/> N/A	
16. Crossing Owner (if applicable) <input checked="" type="checkbox"/> N/A					
17. Crossing Type <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private	18. Crossing Purpose <input checked="" type="checkbox"/> Highway <input type="checkbox"/> Pathway, Ped. <input type="checkbox"/> Station, Ped.	19. Crossing Position <input checked="" type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over	20. Public Access (if Private Crossing) <input type="checkbox"/> Yes <input type="checkbox"/> No	21. Type of Train <input checked="" type="checkbox"/> Freight <input type="checkbox"/> Intercity Passenger <input type="checkbox"/> Commuter <input type="checkbox"/> Transit <input type="checkbox"/> Shared Use Transit <input type="checkbox"/> Tourist/Other	22. Average Passenger Train Count Per Day <input type="checkbox"/> Less Than One Per Day <input type="checkbox"/> Number Per Day 0
23. Type of Land Use <input type="checkbox"/> Open Space <input type="checkbox"/> Farm <input checked="" type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Recreational <input type="checkbox"/> RR Yard					
24. Is there an Adjacent Crossing with a Separate Number? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Provide Crossing Number			25. Quiet Zone (FRA provided) <input checked="" type="checkbox"/> No <input type="checkbox"/> 24 Hr <input type="checkbox"/> Partial <input type="checkbox"/> Chicago Excused Date Established		
26. HSR Corridor ID <input checked="" type="checkbox"/> N/A	27. Latitude in decimal degrees (WGS84 std: nn.nnnnnnn) 38.9388469		28. Longitude in decimal degrees (WGS84 std: -nnn.nnnnnnn) -84.6232123		29. Lat/Long Source <input checked="" type="checkbox"/> Actual <input type="checkbox"/> Estimated
30.A. Railroad Use *			31.A. State Use *		
30.B. Railroad Use *			31.B. State Use *		
30.C. Railroad Use *			31.C. State Use *		
30.D. Railroad Use *			31.D. State Use *		
32.A. Narrative (Railroad Use) *			32.B. Narrative (State Use) *		
33. Emergency Notification Telephone No. (posted) 800-946-4744		34. Railroad Contact (Telephone No.) 800-946-4744		35. State Contact (Telephone No.) 502-564-3210	

Part II: Railroad Information

1. Estimated Number of Daily Train Movements				
1.A. Total Day Thru Trains (6 AM to 6 PM) 13	1.B. Total Night Thru Trains (6 PM to 6 AM) 15	1.C. Total Switching Trains 5	1.D. Total Transit Trains 0	1.E. Check if Less Than One Movement Per Day <input type="checkbox"/> How many trains per week? _____
2. Year of Train Count Data (YYYY) 2024		3. Speed of Train at Crossing 3.A. Maximum Timetable Speed (mph) 60 3.B. Typical Speed Range Over Crossing (mph) From 40 to 60		
4. Type and Count of Tracks Main 1 Siding 0 Yard 0 Transit 0 Industry 0				
5. Train Detection (Main Track only) <input checked="" type="checkbox"/> Constant Warning Time <input type="checkbox"/> Motion Detection <input type="checkbox"/> AFO <input type="checkbox"/> PTC <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> None				
6. Is Track Signaled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		7.A. Event Recorder <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		7.B. Remote Health Monitoring <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date (MM/DD/YYYY) 12/06/2024		PAGE 2		D. Crossing Inventory Number (7 char.) 719983X	
Part III: Highway or Pathway Traffic Control Device Information					
1. Are there Signs or Signals? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		2. Types of Passive Traffic Control Devices associated with the Crossing			
2.A. Crossbuck Assemblies (count) 0		2.B. STOP Signs (R1-1) (count) 0	2.C. YIELD Signs (R1-2) (count)	2.D. Advance Warning Signs (Check all that apply; include count) <input checked="" type="checkbox"/> None <input type="checkbox"/> W10-1 <input type="checkbox"/> W10-3 <input type="checkbox"/> W10-11 <input type="checkbox"/> W10-2 <input type="checkbox"/> W10-4 <input type="checkbox"/> W10-12	
2.E. Low Ground Clearance Sign (W10-5) <input type="checkbox"/> Yes (count _____) <input checked="" type="checkbox"/> No		2.F. Pavement Markings <input type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope <input type="checkbox"/> RR Xing Symbols <input checked="" type="checkbox"/> None		2.G. Channelization Devices/Medians <input type="checkbox"/> All Approaches <input type="checkbox"/> Median <input type="checkbox"/> One Approach <input type="checkbox"/> None	
2.H. EXEMPT Sign (R15-3) <input type="checkbox"/> Yes <input type="checkbox"/> No		2.I. ENS Sign (I-13) Displayed <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
2.J. Other MUTCD Signs Specify Type _____ Count 1 Specify Type _____ Count _____ Specify Type _____ Count _____		2.K. Private Crossing Signs (if private) <input type="checkbox"/> Yes <input type="checkbox"/> No		2.L. LED Enhanced Signs (List types)	
3. Types of Train Activated Warning Devices at the Grade Crossing (specify count of each device for all that apply)					
3.A. Gate Arms (count) Roadway 2 Pedestrian 0		3.B. Gate Configuration <input checked="" type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) <input type="checkbox"/> 3 Quad Resistance <input type="checkbox"/> 4 Quad Median Gates		3.C. Cantilevered (or Bridged) Flashing Light Structures (count) Over Traffic Lane 0 <input type="checkbox"/> Incandescent Not Over Traffic Lane 0 <input type="checkbox"/> LED	
3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) 10 / 2007 <input type="checkbox"/> Not Required		3.G. Wayside Horn <input type="checkbox"/> Yes Installed on (MM/YYYY) ____/____ <input checked="" type="checkbox"/> No		3.H. Highway Traffic Signals Controlling Crossing <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3.J. Non-Train Active Warning <input type="checkbox"/> Flagging/Flagman <input type="checkbox"/> Manually Operated Signals <input type="checkbox"/> Watchman <input type="checkbox"/> Floodlighting <input checked="" type="checkbox"/> None		3.K. Other Flashing Lights or Warning Devices Count 6 Specify type gate lights		3.I. Bells (count) 1	
4.A. Does nearby Hwy Intersection have Traffic Signals? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		4.B. Hwy Traffic Signal Interconnection <input checked="" type="checkbox"/> Not Interconnected <input type="checkbox"/> For Traffic Signals <input type="checkbox"/> For Warning Signs		4.C. Hwy Traffic Signal Preemption <input type="checkbox"/> Simultaneous <input type="checkbox"/> Advance	
5. Highway Traffic Pre-Signals <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Storage Distance * 0 Stop Line Distance * 0		6. Highway Monitoring Devices (Check all that apply) <input type="checkbox"/> Yes - Photo/Video Recording <input type="checkbox"/> Yes - Vehicle Presence Detection <input checked="" type="checkbox"/> None			
Part IV: Physical Characteristics					
1. Traffic Lanes Crossing Railroad Number of Lanes 2 <input type="checkbox"/> One-way Traffic <input checked="" type="checkbox"/> Two-way Traffic <input type="checkbox"/> Divided Traffic		2. Is Roadway/Pathway Paved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		3. Does Track Run Down a Street? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Is Crossing Illuminated? (Street lights within approx. 50 feet from nearest rail) <input type="checkbox"/> Yes <input type="checkbox"/> No		5. Crossing Surface (on Main Track, multiple types allowed) Installation Date * (MM/YYYY) ____/____ Width * 20 Length * 20 <input type="checkbox"/> 1 Timber <input checked="" type="checkbox"/> 2 Asphalt <input type="checkbox"/> 3 Asphalt and Timber <input type="checkbox"/> 4 Concrete <input type="checkbox"/> 5 Concrete and Rubber <input type="checkbox"/> 6 Rubber <input type="checkbox"/> 7 Metal <input type="checkbox"/> 8 Unconsolidated <input type="checkbox"/> 9 Composite <input type="checkbox"/> 10 Other (specify) _____			
6. Intersecting Roadway within 500 feet? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Approximate Distance (feet) _____		7. Smallest Crossing Angle <input type="checkbox"/> 0° - 29° <input type="checkbox"/> 30° - 59° <input checked="" type="checkbox"/> 60° - 90°		8. Is Commercial Power Available? * <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Part V: Public Highway Information					
1. Highway System <input type="checkbox"/> (01) Interstate Highway System <input type="checkbox"/> (02) Other Nat Hwy System (NHS) <input type="checkbox"/> (03) Federal AID, Not NHS <input checked="" type="checkbox"/> (08) Non-Federal Aid		2. Functional Classification of Road at Crossing <input checked="" type="checkbox"/> (0) Rural <input type="checkbox"/> (1) Urban <input type="checkbox"/> (1) Interstate <input type="checkbox"/> (5) Major Collector <input type="checkbox"/> (2) Other Freeways and Expressways <input type="checkbox"/> (3) Other Principal Arterial <input type="checkbox"/> (6) Minor Collector <input type="checkbox"/> (4) Minor Arterial <input checked="" type="checkbox"/> (7) Local		3. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 4. Highway Speed Limit 35 _____ MPH <input type="checkbox"/> Posted <input checked="" type="checkbox"/> Statutory	
7. Annual Average Daily Traffic (AADT) Year 2016 AADT 3425		8. Estimated Percent Trucks 0 _____ %		9. Regularly Used by School Buses? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Average Number per Day _____	
10. Emergency Services Route <input type="checkbox"/> Yes <input type="checkbox"/> No					
Submission Information - This information is used for administrative purposes and is not available on the public website.					
Submitted by _____ Organization _____ Phone _____ Date _____ Public reporting burden for this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for information collection is 2130-0017. Send comments regarding this burden estimate or any other aspect of this collection, including for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25 Washington, DC 20590.					

Gary W. Moore
County Judge Executive

Exhibit F



Matthew Dowd
Deputy County Administrator

Matthew H. Webster
County Administrator

Robert Frank
County Engineer

OFFICE OF THE COUNTY JUDGE EXECUTIVE

BooneCountyKY.org

February 11, 2025

RE: Maher Road (CR 1117) at-grade crossing, DOT# 719983X

To whom it may concern:

I am writing in support of Norfolk Southern's application for Supplementary Safety Improvements for grade crossings 2025 grant program. Norfolk Southern is proposing safety improvements for the Maher Road (CR1117) at-grade crossing, DOT# 719983X. The project will install proposing Quick Kurb Median Separators at the crossing to deter poor decisions of drivers going around lowered or lowering crossing gates.

Thank you for your consideration of Norfolk Southern's grant application for this critical project to improve safety and connectivity in Boone County. If this project is implemented, Boone County Public Works agrees to accept long term maintenance responsibility for the safety devices.

Sincerely,

A handwritten signature in blue ink that reads "Gary W. Moore".

Gary W. Moore
Boone County Judge/Executive