

# FY 2024 Kentucky Rail Crossing Improvement Projects

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## **FY 2024 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# 735586R, Milepost 306.74-W, located in Shelbyville, 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 two (2) 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 three (3) month mark. NS will evaluate bids and award project, as necessary, at the four (4) 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 week. 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.**





**KENTUCKY RAILROAD CROSSING IMPROVEMENT (KRCI) APPLICATION**

**SECTION 1: PROJECT OVERVIEW**

<b>APPLICANT NAME</b>		<b>DOT CROSSING #</b>	<b>APPLICATION YEAR</b>
Norfolk Southern Railway Company		735586R	2024
<b>ROAD NAME</b>	<b>ROAD MILE POINT</b>	<b>CROSSING LOCATION</b>	
		<b>CITY</b>	<b>COUNTY</b>
SR 2861/Mack Walters Rd	6.08	Shelbyville	Shelby

**PROJECT TYPE**

- Crossing Rehab Select One     
  Crossing Safety Select One     
  Obstructive Vegetation Removal

<b>TOTAL PROJECT COST</b>	<b>KRCI FUNDING REQUESTED</b>	<b>APPLICANT MATCH</b>	<b>APPLICANT MATCH % (20% Minimum)</b>
\$ 27,936	\$ 22,348.80	\$ 5,587.20	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. 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: _____  Application Complete <input type="checkbox"/> Y <input type="checkbox"/> N 603 KAR 7:090 Compliant <input type="checkbox"/> Y <input type="checkbox"/> N Eligible Applicant <input type="checkbox"/> Y <input type="checkbox"/> N	FRA WBAPS Score: _____  Match %: _____  Road ADT: _____	Secretary Approval: <input type="checkbox"/> Y <input type="checkbox"/> N  KRCI Award Amount: _____  KRCI Award Date: _____
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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
Jim Gray	A-Active	G-Good

**PRIMARY CONTACT INFORMATION**

NAME & TITLE	PHONE	EMAIL		
William R. Miller, Public Safety Director	(404) 582-6937	William.Miller@nscorp.com		
MAILING ADDRESS	CITY		STATE	ZIP
650 W. Peachtree Street NW	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	1140		Midwest	
TYPICAL TRAIN SPEED AT CROSSING	# OF TRACKS AT CROSSING	RAIL MILE POINT	BRANCH/LINE NAME		
45	1	306.7	LOUISVILLE-DANVILLE		
AVERAGE DAILY TRAIN MOVEMENTS AT CROSSING		FRA TRACK CLASS AT CROSSING	TOTALS FROM PREVIOUS 5 YEARS AT CROSSING		
10		Class 3	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
<b>A. Project Signage Work: Crossing Signs and Markings</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1. Describe in detail signs and markings <u>currently</u> used at crossing. (Text is limited.) Existing crossing features one (2) W10-1 advance warning sign, two ENS signs on the gate mast, (2) stop bars, (2) RR Xing pavement markings and no channeling devices/medians.		
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>B. Project Signal Work: Active Traffic Control Devices</b>	<input type="checkbox"/>	<input type="checkbox"/>
1. Describe in detail active traffic control devices <u>currently</u> used at crossing. Signalized track with 2 gate arms and 2 quad gate configuration. 2 mast mounted flashing lights (back lights and LED included). No horn, but 1 bell included.		
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
William R. Miller, Public Safety Director	<i>William R. Miller (T.H.)</i>	6/15/2023

**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 R. Miller, Public Safety Director	<i>William R. Miller (T.H.)</i>	6/15/2023

**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](mailto:KYTC.ModalPrograms@ky.gov). It is the responsibility of the applicant to ensure delivery of the emailed submission.



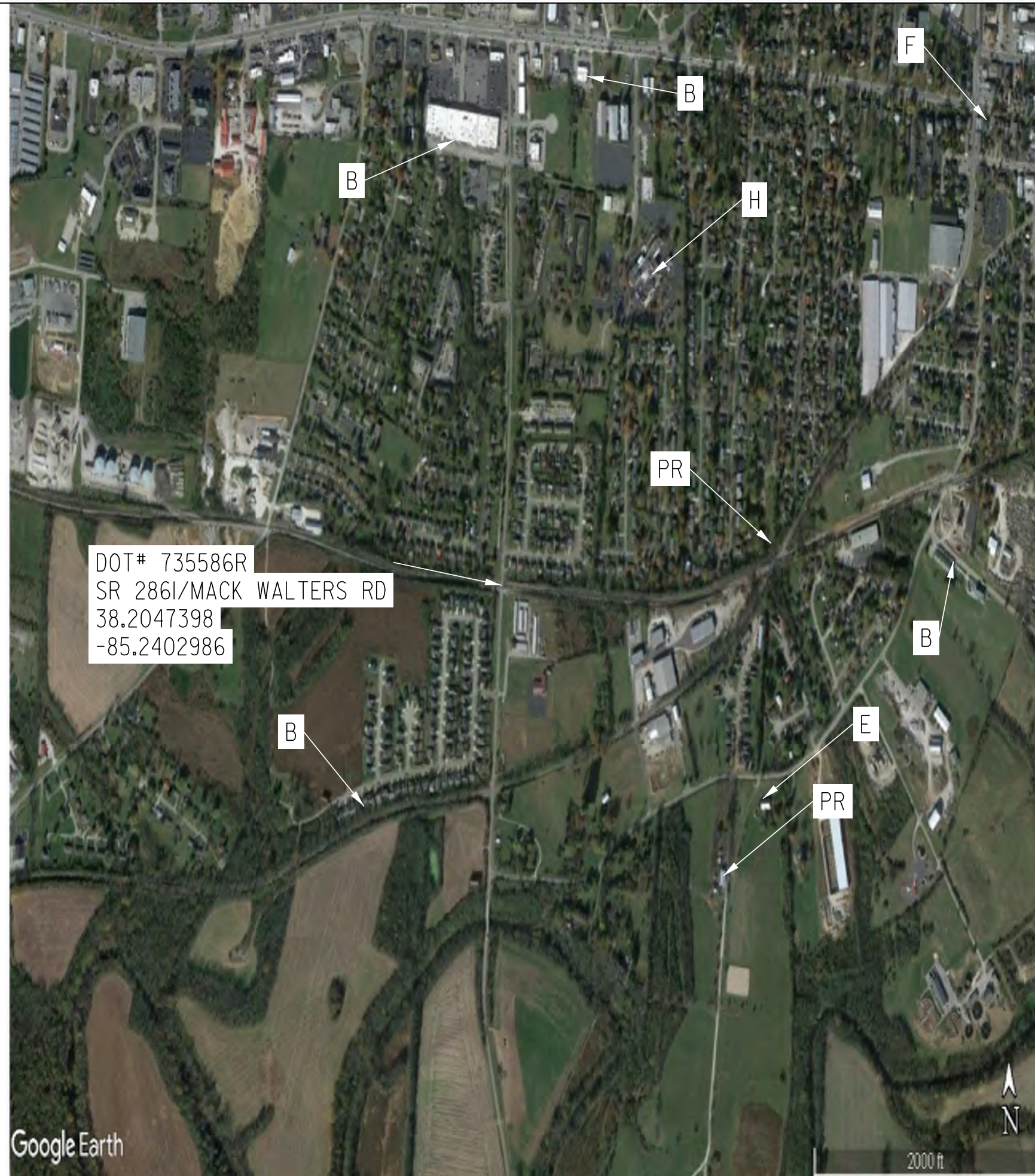
EXHIBIT A - PROJECT AREA MAP

LEGEND

- S SCHOOL/DAYCARE
- E ENTERTAINMENT VENUE
- B BUSINESS
- PR PARK & RECREATION FACILITY
- I INDUSTRIAL PLANT
- L LANDFILL
- H HOSPITAL
- F FIRE STATION
- P POLICE STATION
- A AMBULATORY SERVICES

REV	BY	DATE	DESCRIPTION
DO NOT SCALE THIS DRAWING FOR DIMENSIONS NOT GIVEN			
 <b>NORFOLK SOUTHERN</b> LOUISVILLE DISTRICT MIDWEST DIVISION <small>SHELBYVILLE, KY</small>			
DOT# 735586R -- SHELBYVILLE, KY SR 2861/MACK WALTERS ROAD			
DGN	VAL	SEC N/A	MAP N/A
CHK	FILE	N/A	DATE 14-JUNE-2023
SHEET NO 01 OF 01		DRAWING NO N/A	

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



Google Earth





DOT# 735586R  
 SR2861/MACK WALTERS ROAD  
 38.2047398  
 -85.2402986

EXHIBIT B - EXISTING SITE CONDITIONS

NOTE:  
 CONCEPTUAL - NOT FOR CONSTRUCTION

REV	BY	DATE	DESCRIPTION
DO NOT SCALE THIS DRAWING FOR DIMENSIONS NOT GIVEN			



LOUISVILLE DISTRICT  
 MIDWEST DIVISION

SHELBYVILLE, KY

DOT# 735586R -- SHELBYVILLE, KY  
 SR 2861/MACK WALTERS ROAD

Google Earth

100 ft

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

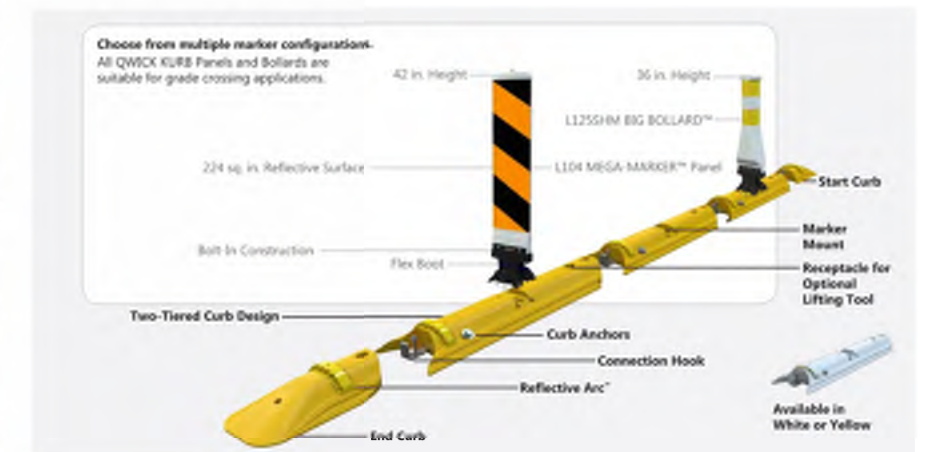
DGN	VAL SEC N/A	MAP N/A	MILEPOST 306.74-W
CHK	FILE N/A	DATE 14-JUNE-2023	
SHEET NO 01	OF 01	DRAWING NO N/A	





EXHIBIT C - 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			



DOT# 735586R -- SHELBYVILLE, KY  
SR 2861/MACK WALTERS ROAD

<b>stv</b> STV INCORPORATED 1201 PEACHTREE STREET, NE, SUITE 1550 ATLANTA, GEORGIA 30361 678-735-7650	DGN	VAL	SEC	N/A	MAP	N/A	MILEPOST	306.74-W
	CHK	FILE	N/A		DATE	14-JUNE-2023		
SHEET NO		01	OF	01	DRAWING NO		N/A	





Report No.: 001  
 Onsite Representative: Dennis Prewitt  
PRINT NAME

**PRELIMINARY ENGINEERING ON-SITE REPRESENTATIVE REPORT**

Railroad Line: <u>Louisville - Danville</u>	Date of Report: <u>6/12/2023</u>
Milepost: <u>306.74 W</u>	Date of Visit: <u>6/9/2023</u>
Railroad File No.: <u>NA</u>	Weather: <u>Sunny</u>
Location: <u>Shelbyville, KY</u>	Temperature: <i>High:</i> <u>80</u> <i>Low:</i> <u>59</u>
Route No.: <u>Mack Walters Rd.</u>	Project Sponsor: <u>NA</u>
Railroad Division: <u>Midwest</u>	STV Project No: <u>4019903-2528</u>

**SAFETY OF OPERATIONS**

STV Onsite Check in Log:  
 Railway Contact: NA *Date:* NA  
 How Contacted: NA *Time:* NA

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

**PROJECT DESCRIPTION**

*Perform site-specific crossing survey, including directional photos of crossing, 360 video, and items of note.*

**TRACK INFORMATION**

No. of Tracks: 1  
 Track Type: Main Line  
 Direction: W - E  
 Alignment: Tangent  
 Profile (Grade): 0.68  
 Superelevation: NK  
 Right of Way: NK  
 Rail Type: 132P CWR  
 Crossing Length: 30  
 Crossing Type: Asph. w/ Rubber Flwy

Additional Track Info:

**SIGNALS/COMMUNICATIONS**

Do any Railway Signals or Communication lines need to be removed or relocated? NK  
 Do any Railway Signals or Communication lines need to be protected? NK

Additional Signal/Communication Info:

**DRAINAGE**

Is Current Drainage adequate? Yes  
 Is proposed site Drainage Adequate?             
 Is proposed Structure Drainage Adequate?           

Additional Drainage Info:





Report No.: 001  
 Onsite Representative: Dennis Prewitt

**PRELIMINARY ENGINEERING ON-SITE REPRESENTATIVE REPORT**

Railroad/Line: Louisville - Danville  
 Milepost: 306.74 W  
 Railroad File No.: NA  
 Location: Shelbyville, KY  
 Route No.: Mack Walters Rd.  
 Railroad Division: Midwest

Date of Report: 6/12/2023  
 Date of Visit: 6/9/2023  
 Weather: Sunny  
 Temperature: *High:* 80 *Low:* 59  
 Project Sponsor: NA  
 STV Project No: 4019903-2528

**Site Access and Crossings**

Will a Temporary Construction Crossing be Required? NK  
 Will Existing or Future Railway Access be Impacted by the Project? NK  
 Can any Nearby Crossings be Closed in Conjunction with this Project? NK

Additional Site Access and Crossing Info.:

Access at 86' NNE of crossing.

**Proposed Structure Data**

Existing Vertical Clearance: _____	Are Crash Walls Required? _____
Proposed Vertical Clearance: _____	Are Crash Walls Provided? _____
Existing Horizontal Clearance: _____	Do They Conform to AREMA? _____
Proposed Horizontal Clearance: _____	
Will Sheeting/Shoring be Required? _____	Dist from CL Track: _____
Will Demolition Shields be Required? _____	Temporary Clearance Reduction? _____
Are there Existing Sidewalks? _____	Any Existing Pedestrian Issues? _____
Any Existing Vandal 1.00 _____	
Additional Structure Information:	

**Additional Information/Issues Noted**

**Current Project Status**



**PRELIMINARY ENGINEERING ON-SITE REPRESENTATIVE REPORT**

*Time Log*

ITEM	DESCRIPTION	QTY / HRS
On Site 16:00 - 17:45	Crossing Survey	1
Travel Time	Floyd Street to Mack Walters Rd.	0.75
Other (Describe)	Report, photos, etc.	1.5
Total Hours Charged		3.25

On-Site Representative: Dennis Prewitt

PRINT NAME

STV Project No.: 4019903-2528

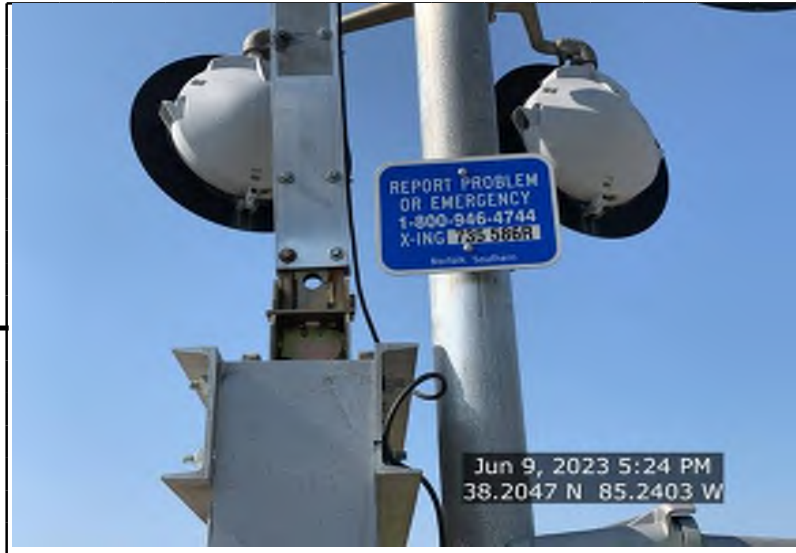
**PHOTOGRAPHS**

Photograph No.: 1  
 Date: 6/9/2023  
 Direction of View: NA

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**Description**

*Crossing sign.*



Photograph No.: 2.00  
 Date: 6/9/2023  
 Direction of View: S

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**Description**

*Crossing - Looking S at 100'.*



On Site Representative: Dennis Prewitt  
 PRINT NAME



**PRELIMINARY ENGINEERING ON-SITE REPRESENTATIVE REPORT**

Railroad Line: Louisville - Danville  
 Milepost: 306.74 W  
 Railroad File No.: NA  
 Location: Shelbyville, KY  
 Route No.: Mack Walters Rd.  
 Railroad Division: Midwest

Date of Report: 6/12/2023  
 Date of Visit: 6/9/2023  
 RR Contact: NA  
 Contacted Via: NA  
 Weather: Sunny  
 Temperature: Hi: 80 Lo: 59

**PHOTOGRAPHS**

Photograph No.: <u>003</u>
Date: <u>6/9/2023</u>
Direction of View: <u>E</u>
<b>Description</b>
<i>Access at 86' NNE of crossing.</i>



1.00

Photograph No.: <u>004</u>
Date: <u>6/9/2023</u>
Direction of View: <u>N</u>
<b>Description</b>
<i>Crossing at 100' looking N.</i>



On Site Representative: Dennis Prewitt  
PRINT NAME

**PRELIMINARY ENGINEERING ON-SITE REPRESENTATIVE REPORT**

Railroad Line: Louisville - Danville  
 Milepost: 306.74 W  
 Railroad File No.: NA  
 Location: Shelbyville, KY  
 Route No.: Mack Walters Rd.  
 Railroad Division: Midwest

Date of Report: 6/12/2023  
 Date of Visit: 6/9/2023  
 RR Contact: NA  
 Contacted Via: NA  
 Weather: Sunny  
 Temperature: Hi: 80 Lo: 59

**PHOTOGRAPHS**

Photograph No.:	<u>005</u>
Date:	<u>6/9/2023</u>
Direction of View:	<u>W</u>
<b>Description</b>	
<i>Crossing looking W.</i>	



1.00

Photograph No.:	<u>006</u>
Date:	<u>6/9/2023</u>
Direction of View:	<u>E</u>
<b>Description</b>	
<i>Crossing looking E.</i>	



On Site Representative: Dennis Prewitt  
PRINT NAME

## EXHIBIT E - DETAILED CONSTRUCTION ESTIMATE

Grade Crossing Hazard Elimination - DOT# 735586R

### Estimate of Proposed Crossing Improvements

Item	Unit	Quantity	Unit Price	Cost
Qwick Kurb Interlocking Raised Separator Unit, Yellow (approx. 4 foot sections)	EA	56	\$110.00	<b>\$6,160</b>
Qwick Kurb Male and Female End Unit, Yellow	EA	4	\$100.00	<b>\$400</b>
Qwick Kurb Reflective Arc, Yellow	EA	56	\$30.00	<b>\$1,680</b>
Qwick Kurb Mega Marker w/ Flex & Bar, Yellow Reflective Sheeting (spaced 10 feet apart)**	EA	23	\$120.00	<b>\$2,760</b>
Qwick Kurb Pavement Anchors	EA	112	\$3.00	<b>\$336</b>
Railroad Striping/Pavement Markings	LF	0	\$1.25	<b>\$0</b>
Project Coordination/Mobilization	LS	1	\$6000.00	<b>\$6,000</b>
Manpower/Installation w/ 4 Person crew (Assume 8-hour duration)	LH	80	\$70.00	<b>\$5,600</b>
MOT/Traffic Controls	LS	1	\$3000.00	<b>\$3,000</b>
Future Maintenance for Delineators for 10 Year Service Life*	YR	20	\$100.00	<b>\$2,000</b>
<b>Total Cost</b>				<b>\$27,936</b>

\* Future maintenance estimated as \$100/yr per 100 feet for delineator to cover cost of crashed damaged uprights.

\*\* Securing Arcs and Screws are included in estimate.

# 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.

<b>A. Revision Date</b> (MM/DD/YYYY) 06 / 04 / 2022	<b>B. Reporting Agency</b> <input checked="" type="checkbox"/> Railroad <input type="checkbox"/> Transit <input type="checkbox"/> State <input type="checkbox"/> Other	<b>C. Reason for Update (Select only one)</b> <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	<b>D. DOT Crossing Inventory Number</b> 735586R
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## Part I: Location and Classification Information

<b>1. Primary Operating Railroad</b> Norfolk Southern Railway Company [NS]		<b>2. State</b> KENTUCKY		<b>3. County</b> SHELBY	
<b>4. City / Municipality</b> <input type="checkbox"/> In <input checked="" type="checkbox"/> Near SHELBYVILLE		<b>5. Street/Road Name &amp; Block Number</b> MACK WALTERS RD (Street/Road Name)   * (Block Number)		<b>6. Highway Type &amp; No.</b> SR 2861	
<b>7. Do Other Railroads Operate a Separate Track at Crossing?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Specify RR			<b>8. Do Other Railroads Operate Over Your Track at Crossing?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Specify RR		
<b>9. Railroad Division or Region</b> <input type="checkbox"/> None MIDWEST		<b>10. Railroad Subdivision or District</b> <input type="checkbox"/> None LOUISVILLE		<b>11. Branch or Line Name</b> <input checked="" type="checkbox"/> None	
<b>12. RR Milepost</b> 0306.740   W (prefix)   (nnnn.nnn)   (suffix)		<b>13. Line Segment</b> *		<b>14. Nearest RR Timetable Station</b> * JOYES	
<b>15. Parent RR (if applicable)</b> <input checked="" type="checkbox"/> N/A		<b>16. Crossing Owner (if applicable)</b> <input checked="" type="checkbox"/> N/A		<b>17. Crossing Type</b> <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private	
<b>18. Crossing Purpose</b> <input checked="" type="checkbox"/> Highway <input type="checkbox"/> Pathway, Ped. <input type="checkbox"/> Station, Ped.		<b>19. Crossing Position</b> <input checked="" type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over		<b>20. Public Access (if Private Crossing)</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>21. Type of Train</b> <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		<b>22. Average Passenger Train Count Per Day</b> <input type="checkbox"/> Less Than One Per Day <input type="checkbox"/> Number Per Day 0		<b>23. Type of Land Use</b> <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	
<b>24. Is there an Adjacent Crossing with a Separate Number?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Provide Crossing Number			<b>25. Quiet Zone (FRA provided)</b> <input checked="" type="checkbox"/> No <input type="checkbox"/> 24 Hr <input type="checkbox"/> Partial <input type="checkbox"/> Chicago Excused Date Established		
<b>26. HSR Corridor ID</b> <input checked="" type="checkbox"/> N/A		<b>27. Latitude in decimal degrees</b> (WGS84 std: nn.nnnnnnn) 38.2047398		<b>28. Longitude in decimal degrees</b> (WGS84 std: -nnn.nnnnnnn) -85.2402986	
<b>29. Lat/Long Source</b> <input type="checkbox"/> Actual <input checked="" type="checkbox"/> Estimated		<b>30.A. Railroad Use *</b>		<b>31.A. State Use *</b>	
<b>30.B. Railroad Use *</b>		<b>31.B. State Use *</b>		<b>30.C. Railroad Use *</b>	
<b>31.C. State Use *</b>		<b>30.D. Railroad Use *</b>		<b>31.D. State Use *</b>	
<b>32.A. Narrative (Railroad Use) *</b> N CROSSING ON ZARING MILL RD- 10/10/2000			<b>32.B. Narrative (State Use) *</b> N CROSSING ON ZARING MILL RD- 10/10/2000 R		
<b>33. Emergency Notification Telephone No. (posted)</b> 800-946-4744		<b>34. Railroad Contact (Telephone No.)</b> 800-946-4744		<b>35. State Contact (Telephone No.)</b> 502-564-3210	

## Part II: Railroad Information

<b>1. Estimated Number of Daily Train Movements</b>				
<b>1.A. Total Day Thru Trains (6 AM to 6 PM)</b> 5	<b>1.B. Total Night Thru Trains (6 PM to 6 AM)</b> 5	<b>1.C. Total Switching Trains</b> 1	<b>1.D. Total Transit Trains</b> 0	<b>1.E. Check if Less Than One Movement Per Day</b> <input type="checkbox"/> How many trains per week? _____
<b>2. Year of Train Count Data (YYYY)</b> 2022		<b>3. Speed of Train at Crossing</b> 3.A. Maximum Timetable Speed (mph) 45 3.B. Typical Speed Range Over Crossing (mph) From 25 to 35		
<b>4. Type and Count of Tracks</b> Main 1 Siding 0 Yard 0 Transit 0 Industry 0				
<b>5. Train Detection (Main Track only)</b> <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				
<b>6. Is Track Signaled?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>7.A. Event Recorder</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>7.B. Remote Health Monitoring</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

# U. S. DOT CROSSING INVENTORY FORM

A. Revision Date (MM/DD/YYYY) 06/04/2022		PAGE 2		D. Crossing Inventory Number (7 char.) 735586R	
<b>Part III: Highway or Pathway Traffic Control Device Information</b>					
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) 2		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 type="checkbox"/> None <input checked="" type="checkbox"/> W10-1 2 <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 checked="" type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope <input checked="" type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None		2.G. Channelization Devices/Medians <input type="checkbox"/> All Approaches <input type="checkbox"/> Median <input type="checkbox"/> One Approach <input checked="" type="checkbox"/> None	2.H. EXEMPT Sign (R15-3) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2.I. ENS Sign (I-13) Displayed <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		2.J. Other MUTCD Signs <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Specify Type _____ Count _____ 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 type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) Resistance <input type="checkbox"/> 3 Quad <input type="checkbox"/> 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.D. Mast Mounted Flashing Lights (count of masts) 2 <input type="checkbox"/> Incandescent <input checked="" type="checkbox"/> LED <input checked="" type="checkbox"/> Back Lights Included <input type="checkbox"/> Side Lights Included
3.E. Total Count of Flashing Light Pairs 4		3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) 11 / 2013 <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.I. Bells (count) 1		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 0 Specify type 0
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
<b>Part IV: Physical Characteristics</b>					
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 checked="" type="checkbox"/> No
5. Crossing Surface (on Main Track, multiple types allowed) Installation Date * (MM/YYYY) ____/____ Width * _____ Length * _____ <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 type="checkbox"/> Yes <input checked="" 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Part V: Public Highway Information</b>					
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 checked="" type="checkbox"/> (6) Minor Collector <input type="checkbox"/> (4) Minor Arterial <input type="checkbox"/> (7) Local		3. Is Crossing on State Highway System? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4. Highway Speed Limit System 35 _____ MPH <input checked="" type="checkbox"/> Posted <input type="checkbox"/> Statutory
7. Annual Average Daily Traffic (AADT) Year 2017 AADT 1140		8. Estimated Percent Trucks 7 _____ %	9. Regularly Used by School Buses? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Average Number per Day 8 _____		10. Emergency Services Route <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Submission Information - This information is used for administrative purposes and is not available on the public website.</b>					
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.					





**Andy Beshear**  
GOVERNOR

## TRANSPORTATION CABINET

Department of Highways, District 5 Office  
8310 Westport Road  
Louisville, KY 40242  
502-210-5400

**Jim Gray**  
SECRETARY

June 12, 2023

Mr. Edgeworth,

The Kentucky Transportation Cabinet District 5 Office has been in contact with Norfolk Southern Railroad regarding their supplementary safety enhancements at the following railroad crossing located in District 5:

- SR 2861/Mack Walters Rd at-grade crossing, DOT# 735586R

The District 5 office concurs with and supports Norfolk Southern Railroad's proposal to enhance safety at this crossing.

Please contact us if you have any questions.

Sincerely,

A handwritten signature in blue ink that reads "Matthew Bullock".

Matthew Bullock, PE  
Chief District Engineer  
Kentucky Transportation Cabinet - District 5, Louisville