

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# 735542R, Milepost 289.9-W, located in Louisville, KY is a potential crossing Norfolk Southern would like to consider for improvements by reconstructing the crossing using full depth rubber. In addition, 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 reconstructing the crossing using full depth rubber and 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 will reconstruct the rail crossing using railroad personnel and bid the installation of the raised curb medians with delineators 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.



KENTUCKY RAILROAD CROSSING IMPROVEMENT (KRCI) APPLICATION

SECTION 1: PROJECT OVERVIEW

| | | | |
|----------------------------------|------------------------|--------------------------|-------------------------|
| APPLICANT NAME | | DOT CROSSING # | APPLICATION YEAR |
| Norfolk Southern Railway Company | | 735542R | 2025 |
| ROAD NAME | ROAD MILE POINT | CROSSING LOCATION | |
| | | CITY | COUNTY |
| Tucker Station Road | | Jeffersontown | Jefferson |

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) |
| \$ 142,326.00 | \$ 113,860.80 | \$ 28,466.20 | 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? Combination

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 repaving the proposed crossing consisting of asphalt and railseal. In addition, the installation of raised curb medians with delineators of 50 feet on the westside and 100 feet on the east side of the crossing. The reconstruction of the crossing with full depth rubber will help ease the roughness and eliminate the risk of damage to road user vehicles. 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: _____ |
|---|---|---|



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 | 4886 | Midwest | | |
| TYPICAL TRAIN SPEED AT CROSSING | # OF TRACKS AT CROSSING | RAIL MILE POINT | BRANCH/LINE NAME | | |
| 45 | 2 | 289.9-W | Louisville | | |
| AVERAGE DAILY TRAIN MOVEMENTS AT CROSSING | FRA TRACK CLASS AT CROSSING | TOTALS FROM PREVIOUS 5 YEARS AT CROSSING | | | |
| 13 | 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 |
|---|--------------------------|-------------------------------------|
| 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 are two W10-1 advance warning signs as well as one ENS (I-13) signs, two R15-2P signs, Stop lines, and RR Xing Symbols. | | |
| 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 mounted 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.

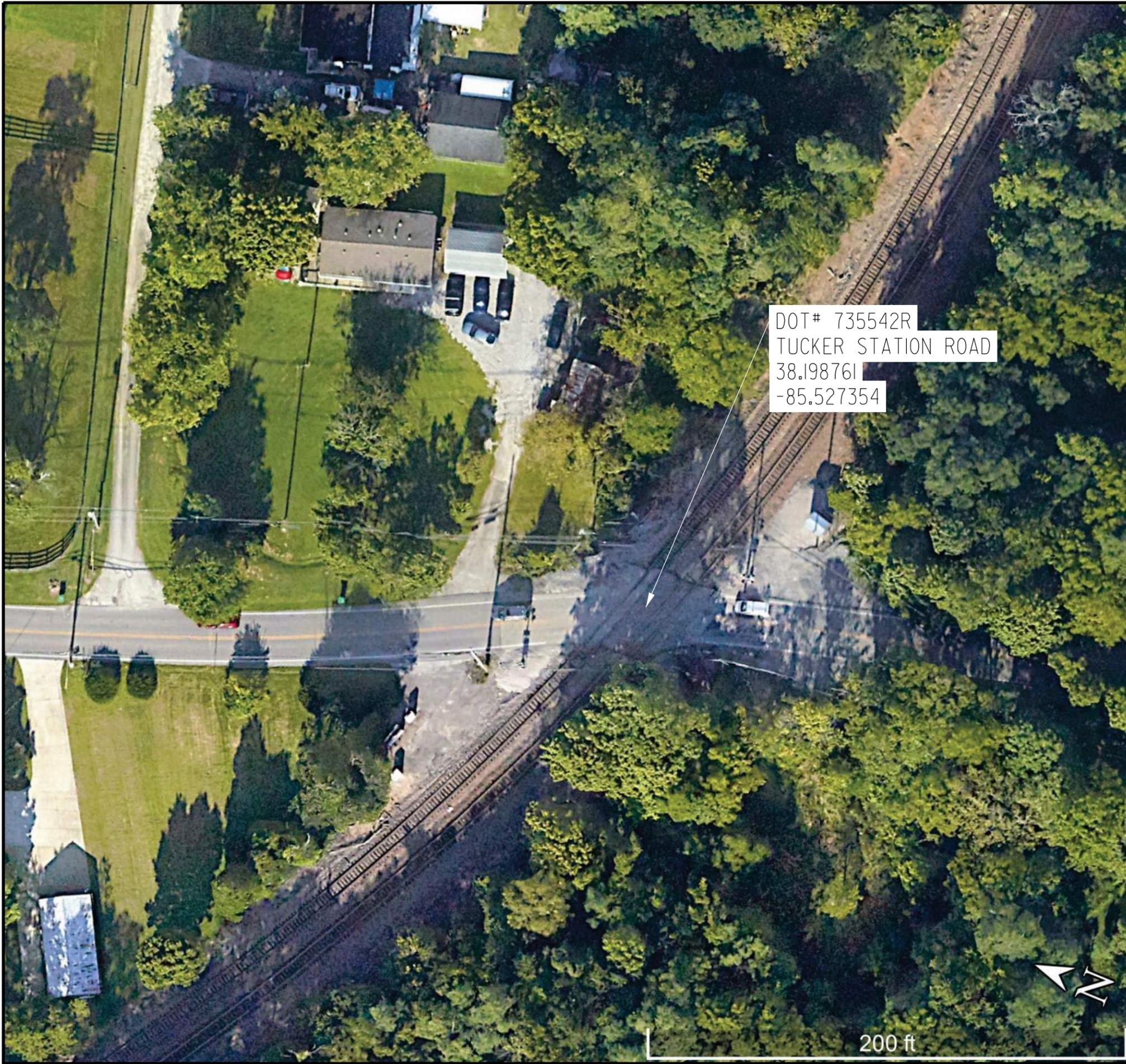


Exhibit A

EXHIBIT - PROPOSED SAFETY IMPROVEMENTS

NOTE:
CONCEPTUAL - NOT FOR CONSTRUCTION

| REV | BY | DATE | DESCRIPTION |
|--|------|----------------|------------------|
| DO NOT SCALE THIS DRAWING FOR DIMENSIONS NOT GIVEN | | | |
|  MIDWEST LOUISVILLE | | | ATLANTA, GA |
| DOT# 735542R -- LOUISVILLE, KY TUCKER STATION ROAD | | | |
| DGN | VAL | SEC N/A | MAP N/A |
| CHK | FILE | N/A | DATE 24-JAN-2025 |
| SHEET NO 01 OF 02 | | DRAWING NO N/A | |

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



50' OF QUICK KURB
(START 15' FROM
CENTERLINE OF TRACK)

DOT# 735542R
TUCKER STATION ROAD
38.198761
-85.527354

100' OF QUICK KURB
(START 15' FROM
CENTERLINE OF TRACK)

PROPOSED CROSSING WORK
CONSISTING OF FULL DEPTH
RUBBER CROSSING

200 ft

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 | | | |
| NORFOLK SOUTHERN MIDWEST LOUISVILLE ATLANTA, GA | | | |
| DOT# 735542R -- LOUISVILLE, KY TUCKER STATION ROAD | | | |
| DGN | VAL | SEC N/A | MAP N/A |
| CHK | FILE | N/A | DATE 24-JAN-2025 |
| SHEET NO 02 OF 02 | | DRAWING NO N/A | |

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



Report No.: 1
Onsite Representative: James M Schonk
PRINT NAME

PRELIMINARY ENGINEERING ON-SITE REPRESENTATIVE REPORT

Railroad Line: Milepost: 290.142-W, Railroad File No.: 733542R, Location: Louisville, Ky, Route No.: Tucker Station.Road, Railroad Division:
Date of Report: 2/1/2025, Date of Visit: 1/31/2025, Weather: Partly Cloudy, Temperature: High: 62 Low: 36, Project Sponsor: STV Project No: 4019903-2528-3510

SAFETY OF OPERATIONS

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

Is Flagman Needed? Present? Name: Flagman from: B&B T&E M of W

PROJECT DESCRIPTION

Empty box for project description

TRACK INFORMATION

No. of Tracks: 2, Track Type: Continuous Welded, Direction: Alignment: Profile (Grade): Superelevation: Right of Way: Rail Type: Crossing Length: Crossing Type:

Additional Track Info: Empty box

SIGNALS/COMMUNICATIONS

Do any Railway Signals or Communication lines need to be removed or relocated? Do any Railway Signals or Communication lines need to be protected? Additional Signal/Communication Info:

DRAINAGE

Is Current Drainage adequate? Is proposed site Drainage Adequate? Is proposed Structure Drainage Adequate? Additional Drainage Info:



PRELIMINARY ENGINEERING ON-SITE REPRESENTATIVE REPORT

Time Log

| ITEM | DESCRIPTION | QTY / HRS |
|---------------------|-------------|-----------|
| On Site | | |
| Travel Time | | |
| Other (Describe) | | |
| Total Hours Charged | | |

On-Site Representative: Luke Houston

PRINT NAME

STV Project No.: 4019903-2528-3510

PHOTOGRAPHS

| |
|------------------------------|
| Photograph No.: <u>1</u> |
| Date: <u>1/31/2025</u> |
| Direction of View: <u>NW</u> |
| Description |
| <i>Crossing #.</i> |



| |
|--|
| Photograph No.: <u>2</u> |
| Date: <u>1/31/2025</u> |
| Direction of View: <u>North</u> |
| Description |
| <i>Looking North at NS Track and crossing.</i> |



On Site Representative: James M Schonk

PRINT NAME

PRELIMINARY ENGINEERING ON-SITE REPRESENTATIVE REPORT

Railroad Line: _____
 Milepost: 290.142-W
 Railroad File No.: 733542R
 Location: Louisville, Ky
 Route No.: Tucker Station.Road
 Railroad Division: _____

Date: 2/1/2025
 Sponsor Contact: 1/31/2025
 Contacted via: Partly Cloudy
 Time Contacted: _____
 Weather: _____
 Temperature: Hi: 63 Lo: 36

PHOTOGRAPHS

| |
|---|
| Photograph No.: <u>003</u> |
| Date: <u>1/31/2024</u> |
| Direction of View: <u>North</u> |
| Description |
| <i>Looking North from South side of crossing.</i> |



| |
|---------------------------------------|
| Photograph No.: <u>4</u> |
| Date: <u>1/31/2025</u> |
| Direction of View: <u>North</u> |
| Description |
| <i>Looking North across crossing.</i> |



On Site Representative: James M Schonk
PRINT NAME

PRELIMINARY ENGINEERING ON-SITE REPRESENTATIVE REPORT

Railroad Line: _____
 Milepost: 290.142-W
 Railroad File No.: DOT#735542R
 Location: Louisville, Ky
 Route No.: Tucker Station Road
 Railroad Division: _____

Date: 2/1/2025
 Sponsor Contact: 1/31/2025
 Contacted via: Partly Cloudy
 Time Contacted: _____
 Weather: _____
 Temperature: Hi: 62 Lo: 36

PHOTOGRAPHS

| |
|-------------------------------------|
| Photograph No.: <u>5</u> |
| Date: <u>1/31/2025</u> |
| Direction of View: <u>North</u> |
| Description |
| <i>Looking North from crossing.</i> |



| |
|---------------------------------------|
| Photograph No.: <u>6</u> |
| Date: <u>1/31/2025</u> |
| Direction of View: <u>South</u> |
| Description |
| <i>Looking South across crossing.</i> |



On Site Representative: James M Schonk
PRINT NAME

DETAILED CONSTRUCTION ESTIMATE

Grade Crossing Hazard Elimination - Louisville, KY_DOT# 735542R_MP 289.9-W

Estimate of Proposed Crossing Improvements

| Item | Unit | Quantity | Unit Price | Cost |
|--|------|----------|--------------|------------------|
| Qwick Kurb Interlocking Raised Separator Unit, Yellow | EA | 44 | \$110.00 | \$4,840 |
| Qwick Kurb Male and Female End Unit, Yellow | EA | 4 | \$100.00 | \$400 |
| Qwick Kurb Reflective Arc, Yellow | EA | 44 | \$30.00 | \$1,320 |
| Qwick Kurb Mega Marker w/ Flex & Bar, Yellow Reflective Sheeting (spaced 10 feet apart)** | EA | 17 | \$120.00 | \$2,040 |
| Qwick Kurb Pavement Anchors | EA | 88 | \$3.00 | \$264 |
| Reconstruct existing crossing with full depth rubber See EXHIBIT E for detailed crossing estimate" | LS | 1 | \$119,992.00 | \$119,992 |
| 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 | | | | \$142,336 |

* 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.

Exhibit E

Norfolk Southern Railway Company
 Midwest Division
 Louisville, Jefferson, KY
 ESTIMATE FOR CROSSING IMPROVEMENT (FULL DEPTH RUBBER SURFACE)

Existing Crossing
 DOT Number: 735542R
 MP: 289.90-W

2 TRACK(S); 48 CROSSING LENGTH

| MATERIAL | QUANTITY | UNIT | UNIT COST | AMOUNT |
|-------------------------------|----------|----------|-----------|--------|
| SURFACE MATERIAL (Full Depth) | 96 | TRK. FT. | 400.00 | 38,400 |
| ASPHALT (BY CONTRACTOR) | 20 | TONS | 396.00 | 7,920 |
| RAIL, 136-LB RE | 320 | LIN FT. | 21.00 | 6,720 |
| TRANSITION RAIL | 0 | EA. | 1171.00 | 0 |
| INSULATED JOINTS | 0 | EA. | 1355.00 | 0 |
| RAIL ANCHORS | 0 | EA. | 1.90 | 0 |
| SPIKES | 5.0 | KEG | 118.00 | 590 |
| TIE PLATES | 0 | EA. | 10.00 | 0 |
| CROSSTIES (10') | 0 | EA. | 100.00 | 0 |
| CROSSTIES (GRADE 5) | 200 | EA. | 75.00 | 15,000 |
| TRUCKED BALLAST AND GRAVEL | 0 | TONS | 104.00 | 0 |
| GEOTEXTILE | 120 | LIN FT. | 7.00 | 840 |
| THERMITE WELDS | 8 | EA. | 691.00 | 5,528 |
| ASPHALT (DISPOSAL) | 0 | LUMPS | 5000.00 | 0 |

TOTAL (INCLUDES 11.4% INVENTORY OR TAX ADDITIVES) 83,548

LABOR

| | | | | |
|-----------------------------|-----|-----------|-------|-------|
| REMOVE EXISTING CROSSING | 60 | MAN HOURS | 35.27 | 2,116 |
| REHABILITATE TRK. STRUCTURE | 80 | MAN HOURS | 35.27 | 2,822 |
| INSTALL NEW CROSSING | 100 | MAN HOURS | 35.27 | 3,527 |

TOTAL 8,465

OTHER ITEMS

| | | | | |
|---|--|--|--|------------------|
| COMPOSITE LABOR ADDITIVE (265.42%) | | | | 22,467 |
| EQUIPMENT RENTAL & TRANSPORTATION | | | | 5,502 |
| PRELIMINARY & CONSTRUCTION ENGINEERING SERVICES AND INVOICE | | | | 0 |
| TOTAL (TO BE BILLED TO PROJECT SPONSOR) | | | | \$119,982 |

*ESTIMATE BASED ON FULL CLOSURE OF ROAD WITH TRAFFIC CONTROL AND BARRICADES PROVIDED BY OTHERS

*UNIT COSTS ARE ESTIMATED. ACTUAL UNIT COSTS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

This estimate is valid for one (1) year after the date of estimate. If work is not performed within this time frame the Railway may revise the estimate to include work not previously deemed necessary.

This estimate shall not be considered as an approval for a temporary crossing. Information provided is an estimation of the anticipated cost for the construction of the crossing only. All temporary construction crossings require a separate approval from Norfolk Southern's General Manager and Division Superintendent, a separate stand alone temporary construction crossing agreement with associated real estate fees, and all required insurances as noted in the in the temporary construction crossing agreement.

OFFICE OF CHIEF ENGINEER DESIGN & CONSTRUCTION - ATLANTA, GEORGIA
 Wednesday, February 12, 2025

File: 735542R

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 735542R |
|---|--|--|--|

Part I: Location and Classification Information

| | | | | | |
|--|--|---|--|--|--|
| 1. Primary Operating Railroad Norfolk Southern Railway Company [NS] | | 2. State KENTUCKY | | 3. County JEFFERSON | |
| 4. City / Municipality <input type="checkbox"/> In <input checked="" type="checkbox"/> Near JEFFERSONTOWN | | 5. Street/Road Name & Block Number TUCKER STATION RD (Street/Road Name) * (Block Number) | | 6. Highway Type & No. LR | |
| 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 LOUISVILLE | | 11. Branch or Line Name <input checked="" type="checkbox"/> None | |
| 12. RR Milepost 0289.900 W (prefix) (nnnn.nnn) (suffix) | | 13. Line Segment * | | 14. Nearest RR Timetable Station * BEAR GRASS | |
| 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 checked="" 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) 38.1987735 | | 28. Longitude in decimal degrees (WGS84 std: -nnn.nnnnnnn) -85.5273505 | |
| 29. Lat/Long Source <input checked="" type="checkbox"/> Actual <input type="checkbox"/> Estimated | | 30.A. Railroad Use * | | | |
| 30.B. Railroad Use * | | 30.C. Railroad Use * | | | |
| 30.D. Railroad Use * | | 30.E. Railroad Use * | | | |
| 31.A. State Use * | | | 31.B. State Use * | | |
| 31.C. State 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) 7 | 1.B. Total Night Thru Trains (6 PM to 6 AM) 6 | 1.C. Total Switching Trains 1 | 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) 45 3.B. Typical Speed Range Over Crossing (mph) From 25 to 35 | | |
| 4. Type and Count of Tracks Main 1 Siding 1 Yard 0 Transit 0 Industry 0 | | | | |
| 5. Train Detection (Main Track only) <input type="checkbox"/> Constant Warning Time <input checked="" 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | 7.B. Remote Health Monitoring <input 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.) 735542R | |
| 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) 2 | | 2.B. STOP Signs (R1-1) (count) 0 | 2.C. YIELD Signs (R1-2) (count) 0 | 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No Specify Type R15-2P Count 2 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) 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 checked="" type="checkbox"/> Incandescent <input 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) 05 / 2016 <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 _____ | |
| 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 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 checked="" type="checkbox"/> 30° - 59° <input 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 checked="" type="checkbox"/> Posted <input type="checkbox"/> Statutory |
| 5. Linear Referencing System (LRS Route ID) * 056 CR-1001H | | | | | |
| 6. LRS Milepost * 3.6602 | | | | | |
| 7. Annual Average Daily Traffic (AADT) Year 2016 AADT 4886 | | 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. | | | | | |



PUBLIC WORKS & ASSETS
LOUISVILLE, KENTUCKY

CRAIG GREENBERG
MAYOR

JENNIFER CAUMMISAR-KERN, PE
EXECUTIVE DIRECTOR

February 10, 2025

Mr. Will Miller
Public Safety Director
Norfolk Southern Corporation
William.Miller@nscorp.com
(404) 582-6937

Re: FY 25 KYTC Railroad Crossing Safety Improvements Grant

Dear Mr. Miller:

In response to your email dated February 2, 2025, Louisville Metro Public Works and Assets, acting as the Official with Jurisdiction (OWJ), addresses the following at-grade crossings:

1. Bells Lane, DOT# 851033L
2. Robards Lane, DOT# 725119B
3. Tucker Station Road, DOT# 735542R

We are in support of the installation of Quick Kurb Median Separators at each crossing and the reconstruction of Norfolk Southern's Main Line track at the Tucker Station Road crossing. Louisville Metro Public Works & Assets agrees to maintaining the Quick Kurb Median Separators proposed to be installed as part of these projects. Please let us know any further assistance we can provide.

Respectfully,

Jennifer Caummisar-Kern, PE
Executive Director