

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# 851002M, Milepost 272.28-W, located in Louisville, 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

APPLICANT NAME		DOT CROSSING #	APPLICATION YEAR
Norfolk Southern Railway Company		851002M	2024
ROAD NAME	ROAD MILE POINT	CROSSING LOCATION	
		CITY	COUNTY
LS/Garland Ave	1.945	Louisville	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)
\$ 27,816	\$ 22,252.80	\$ 5,563.20	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	25	2477		Midwest
TYPICAL TRAIN SPEED AT CROSSING	# OF TRACKS AT CROSSING	RAIL MILE POINT	BRANCH/LINE NAME	
15	2	272.2	Louisville-Danville	
AVERAGE DAILY TRAIN MOVEMENTS AT CROSSING	FRA TRACK CLASS AT CROSSING	TOTALS FROM PREVIOUS 5 YEARS AT CROSSING		
27	Class 1	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.) Existing crossing features one (1) W10-1 advance warning sign to the east, two ENS and R15-2P signs on the gate mast, no 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. 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. Signalized track with 2 gate arms and 2 quad gate configuration. 2 mast mounted flashing lights (incandescent and back lights 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 A. 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.

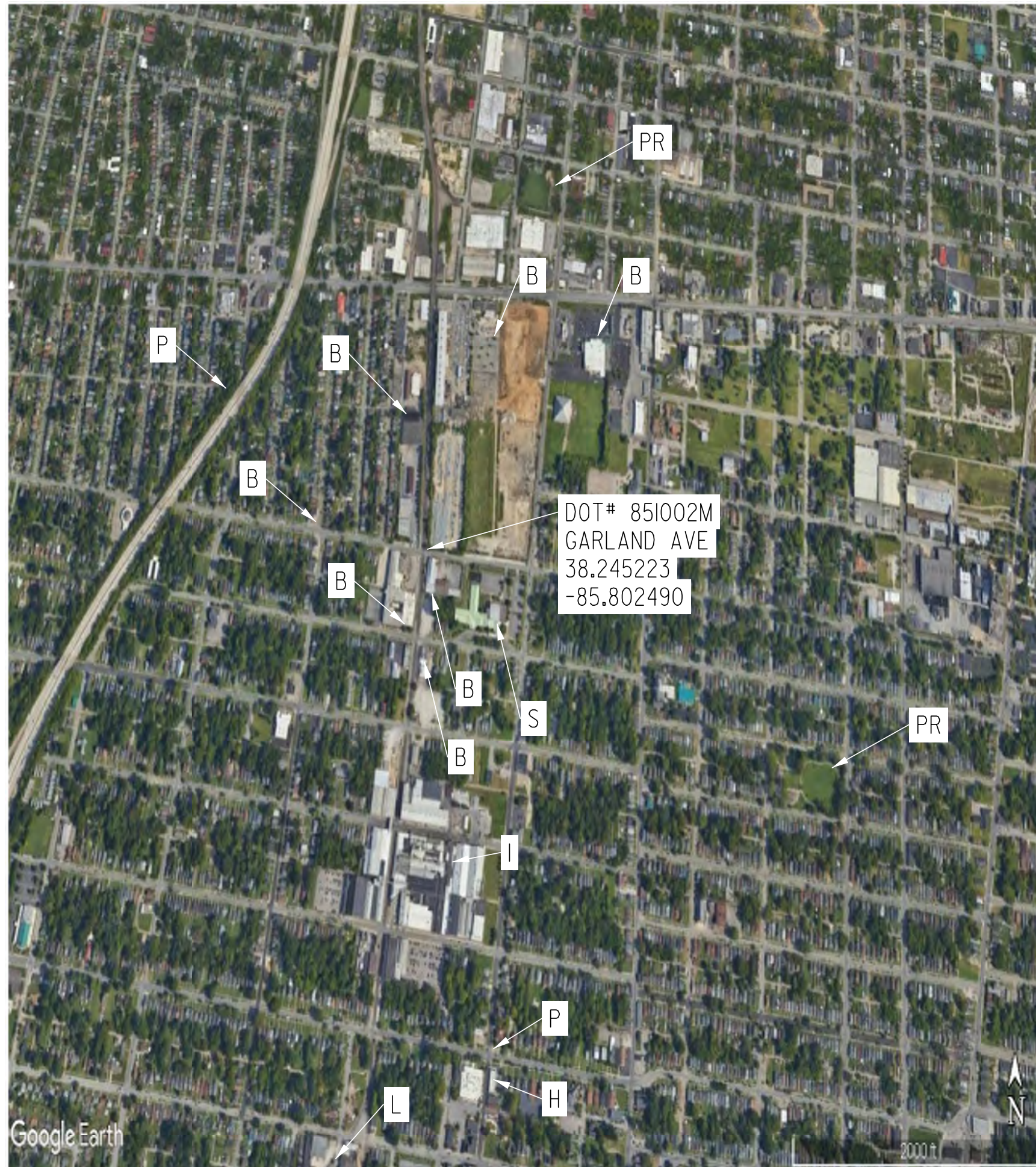
PRINTED NAME AND TITLE	SIGNATURE	DATE
William R. Miller, Public Safety Director	<i>William A. Miller (T.H.)</i>	6/15/2023


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. 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			
 LOUISVILLE DISTRICT MIDWEST DIVISION <small>LOUISVILLE, KY</small>			
DOT# 851002M -- LOUISVILLE, KY GARLAND AVE			
DGN	VAL	SEC N/A	MAP N/A
CHK	FILE	N/A	DATE 06-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

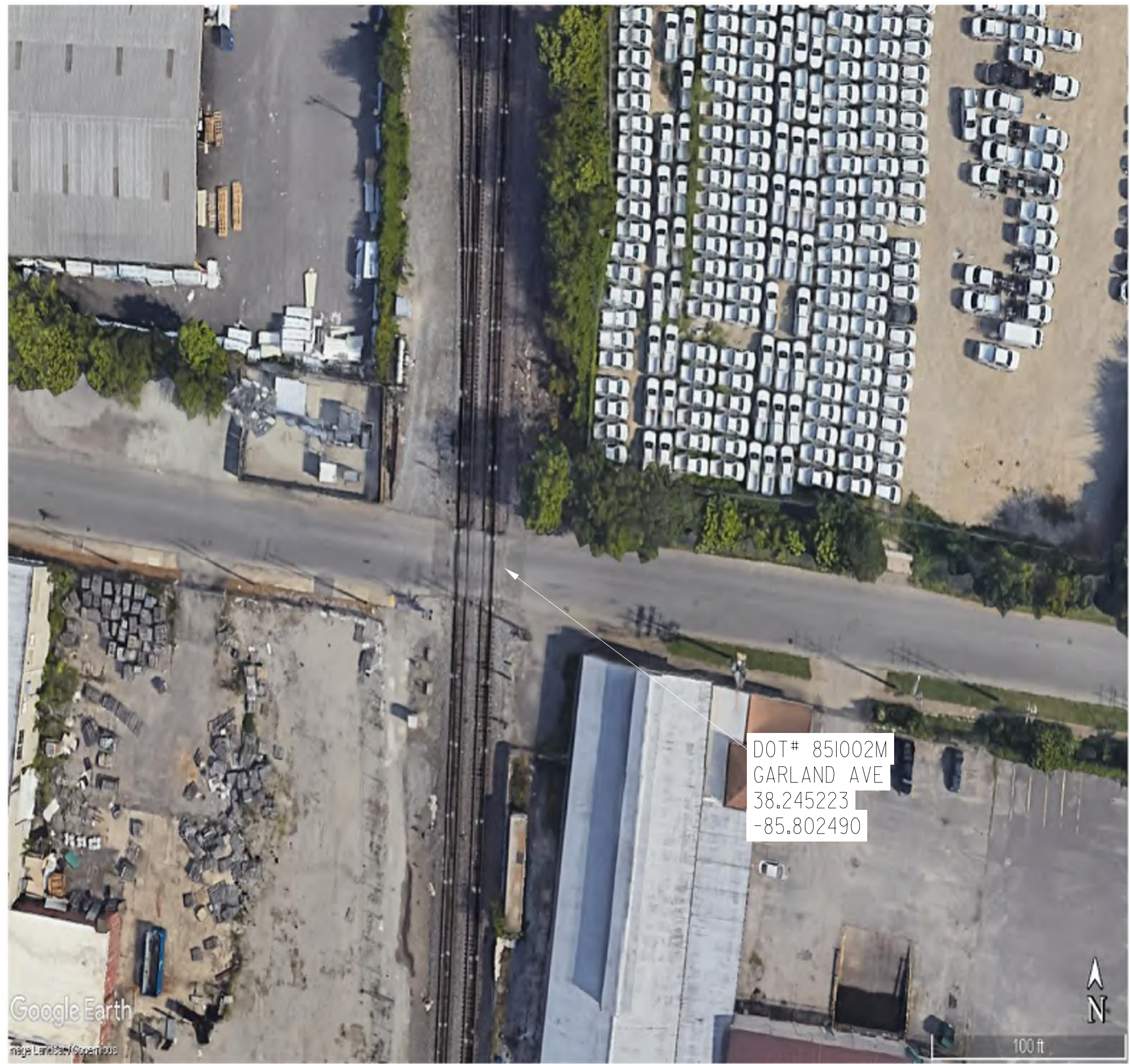



EXHIBIT B - EXISTING CONDITIONS

NOTE:
CONCEPTUAL - NOT FOR CONSTRUCTION

REV	BY	DATE	DESCRIPTION
DO NOT SCALE THIS DRAWING FOR DIMENSIONS NOT GIVEN			
 NORFOLK SOUTHERN LOUISVILLE DISTRICT MIDWEST DIVISION <small>LOUISVILLE, KY</small>			
DOT# 851002M -- LOUISVILLE, KY GARLAND AVE			
DGN	VAL	SEC N/A	MAP N/A
CHK	FILE	N/A	DATE 06-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
 Image Landsat/Copernicus



100' OF CONTINUOUS CURB WITH DELINEATORS

100' OF CONTINUOUS CURB WITH DELINEATORS

DOT# 851002M
GARLAND AVE
38.245223
-85.802490

Google Earth
Image Landsat/Copernicus


100 ft

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			
 NORFOLK SOUTHERN LOUISVILLE DISTRICT MIDWEST DIVISION <small>LOUISVILLE, KY</small>			
DOT# 851002M -- LOUISVILLE, KY GARLAND AVE			
DGN	VAL	SEC N/A	MAP N/A
CHK	FILE	N/A	DATE 06-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



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>272.28 W</u>	Date of Visit: <u>6/9/2023</u>
Railroad File No.: <u>NA</u>	Weather: <u>Sunny</u>
Location: <u>Louisville, KY</u>	Temperature: <i>High:</i> <u>80</u> <i>Low:</i> <u>59</u>
Route No.: <u>Garland Ave.</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: 2
 Track Type: Main Line
 Direction: W - E
 Alignment: Tangent
 Profile (Grade): 0
 Superelevation: NK
 Right of Way: NK
 Rail Type: 136P CWR
 Crossing Length: 34'
 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	<u>Louisville - Danville</u>	Date of Report:	<u>6/12/2023</u>
Milepost:	<u>272.28 W</u>	Date of Visit:	<u>6/9/2023</u>
Railroad File No.:	<u>NA</u>	Weather:	<u>Sunny</u>
Location:	<u>Louisville, KY</u>	Temperature:	<u>High: 80 Low: 59</u>
Route No.:	<u>Garland Ave.</u>	Project Sponsor:	<u>NA</u>
Railroad Division:	<u>Midwest</u>	STV Project No:	<u>4019903-2528</u>

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.:

Business access 150' WSW of crossing. Antenna access 150' NNW of crossing. Floor Pro access 70' SSE of crossing. Floor Pro access 40' SSE of crossing.

Proposed Structure Data

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

Additional Information/Issues Noted

Current Project Status



PRELIMINARY ENGINEERING ON-SITE REPRESENTATIVE REPORT

Time Log

ITEM	DESCRIPTION	QTY / HRS
On Site 10:45 - 13:45	Crossing Survey	2
Travel Time	Ft. Mitchell, KY to Garland Ave.	1
Other (Describe)	Report, photos, etc.	1.5
Total Hours Charged		4.5

 On-Site Representative: Dennis Prewitt
PRINT NAME

 STV Project No.: 4019903-2528

PHOTOGRAPHS

Photograph No.: <u>1</u>
Date: <u>6/9/2023</u>
Direction of View: <u>S</u>
Description
<i>Crossing Identification Sign</i>



Photograph No.: <u>2</u>
Date: <u>6/9/2023</u>
Direction of View: <u>SE</u>
Description
<i>Crossing - Looking SE at 150'</i>


 On Site Representative: Dennis Prewitt
PRINT NAME

PRELIMINARY ENGINEERING ON-SITE REPRESENTATIVE REPORT

Railroad Line: Louisville - Danville
 Milepost: 272.28 W
 Railroad File No.: NA
 Location: Louisville, KY
 Route No.: Garland Ave.
 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>SE</u>
Description
<i>Business access at 150' NNW of crossing.</i>



Photograph No.: <u>004</u>
Date: <u>6/9/2023</u>
Direction of View: <u>SE</u>
Description
<i>Antenna access at 150' NNE of crossing.</i>



On Site Representative: Dennis Prewitt
PRINT NAME

PRELIMINARY ENGINEERING ON-SITE REPRESENTATIVE REPORT

Railroad Line: Louisville - Danville
 Milepost: 272.28 W
 Railroad File No.: NA
 Location: Louisville, KY
 Route No.: Garland Ave.
 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>
Description
<i>Crossing at 100' looking W.</i>



Photograph No.: <u>006</u>
Date: <u>6/9/2023</u>
Direction of View: <u>SW</u>
Description
<i>Floor Pro access at 70' ESE of crossing.</i>



On Site Representative: Dennis Prewitt
PRINT NAME

PRELIMINARY ENGINEERING ON-SITE REPRESENTATIVE REPORT

Railroad Line: Louisville - Danville
 Milepost: 272.28 W
 Railroad File No.: NA
 Location: Louisville, KY
 Route No.: Garland Ave.
 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>007</u>
Date: <u>6/9/2023</u>
Direction of View: <u>SW</u>
Description
<i>Floor Pro access at 40' ESE of crossing.</i>



Photograph No.: <u>008</u>
Date: <u>6/9/2023</u>
Direction of View: <u>S</u>
Description
<i>Crossing looking south.</i>



On Site Representative: Dennis Prewitt
PRINT NAME

PRELIMINARY ENGINEERING ON-SITE REPRESENTATIVE REPORT

Railroad Line: Louisville - Danville
 Milepost: 272.28 W
 Railroad File No.: NA
 Location: Louisville, KY
 Route No.: Garland Ave.
 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>007</u>
Date: <u>6/9/2023</u>
Direction of View: <u>N</u>
Description
<i>Crossing looking N.</i>



Photograph No.: <u>008</u>
Date: <u>6/9/2023</u>
Direction of View: _____
Description



EXHIBIT E - DETAILED CONSTRUCTION ESTIMATE

Grade Crossing Hazard Elimination - DOT# 851002M

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	\$6,160
Qwick Kurb Male and Female End Unit, Yellow	EA	4	\$100.00	\$400
Qwick Kurb Reflective Arc, Yellow	EA	56	\$30.00	\$1,680
Qwick Kurb Mega Marker w/ Flex & Bar, Yellow Reflective Sheeting (spaced 10 feet apart)**	EA	22	\$120.00	\$2,640
Qwick Kurb Pavement Anchors	EA	112	\$3.00	\$336
Railroad Striping/Pavement Markings	LF	0	\$1.25	\$0
Project Coordination/Mobilization	LS	1	\$6000.00	\$6,000
Manpower/Installation w/ 4 Person crew (Assume 8-hour duration)	LH	80	\$70.00	\$5,600
MOT/Traffic Controls	LS	1	\$3000.00	\$3,000
Future Maintenance for Delineators for 10 Year Service Life*	YR	20	\$100.00	\$2,000
Total Cost				\$27,816

* 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.

A. Revision Date (MM/DD/YYYY) 06 / 06 / 2022	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"/> New Crossing <input type="checkbox"/> Closed <input type="checkbox"/> Re-Open <input type="checkbox"/> Date Change Only <input type="checkbox"/> Change in Primary Operating RR	D. DOT Crossing Inventory Number 851002M
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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 checked="" type="checkbox"/> In <input type="checkbox"/> Near LOUISVILLE		5. Street/Road Name & Block Number GARLAND AVE <small>(Street/Road Name)</small> <small>* (Block Number)</small>		6. Highway Type & No. LS	
7. Do Other Railroads Operate a Separate Track at Crossing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <small>If Yes, Specify RR</small>			8. Do Other Railroads Operate Over Your Track at Crossing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <small>If Yes, Specify RR</small> CSXT		
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 0272.280 W <small>(prefix) (nnnn.nnn) (suffix)</small>		13. Line Segment *		14. Nearest RR Timetable Station * LOUISVILLE	
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 type="checkbox"/> Residential <input checked="" 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 <small>If Yes, Provide Crossing Number</small>			25. Quiet Zone (FRA provided) <input checked="" type="checkbox"/> No <input type="checkbox"/> 24 Hr <input type="checkbox"/> Partial <input type="checkbox"/> Chicago Excused <small>Date Established</small>		
26. HSR Corridor ID <input checked="" type="checkbox"/> N/A		27. Latitude in decimal degrees <small>(WGS84 std: nn.nnnnnnn)</small> 38.2452161		28. Longitude in decimal degrees <small>(WGS84 std: -nnn.nnnnnnn)</small> -85.802505	
29. Lat/Long Source <input checked="" type="checkbox"/> Actual <input type="checkbox"/> Estimated		30.A. Railroad Use *			
30.B. Railroad Use *		31.A. State Use *			
30.C. Railroad Use *		31.B. State Use *			
30.D. Railroad Use *		31.C. State Use *			
30.E. 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) 14	1.C. Total Switching Trains 17	1.D. Total Transit Trains 0	1.E. Check if Less Than One Movement Per Day <input type="checkbox"/> <small>How many trains per week? _____</small>
2. Year of Train Count Data (YYYY) 2022		3. Speed of Train at Crossing 3.A. Maximum Timetable Speed (mph) 15 3.B. Typical Speed Range Over Crossing (mph) From 5 to 15		
4. Type and Count of Tracks Main 2 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date (MM/DD/YYYY) 06/06/2022		PAGE 2		D. Crossing Inventory Number (7 char.) 851002M	
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 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 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 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) 09 / 2008 <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 6 Specify type gate lights	
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 <input type="checkbox"/> One-way Traffic <input checked="" type="checkbox"/> Two-way Traffic Number of Lanes 2 <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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Crossing Surface (on Main Track, multiple types allowed) Installation Date * (MM/YYYY) ____/____ Width * 34 Length * 34 <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 checked="" type="checkbox"/> (03) Federal AID, Not NHS <input type="checkbox"/> (08) Non-Federal Aid		2. Functional Classification of Road at Crossing <input type="checkbox"/> (0) Rural <input checked="" type="checkbox"/> (1) Urban <input type="checkbox"/> (1) Interstate <input checked="" 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 type="checkbox"/> (7) Local		3. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Highway Speed Limit System 25 MPH <input checked="" type="checkbox"/> Posted <input type="checkbox"/> Statutory
5. Linear Referencing System (LRS Route ID) * 056 CS-1008F					
6. LRS Milepost * 1.9454					
7. Annual Average Daily Traffic (AADT) Year 2017 AADT 2477		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
DIRECTOR

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

Re: FY 24 KYTC Railroad Crossing Safety Improvements Grant

Dear Mr. Miller:

In response to your email dated 6/7/2023, Louisville Metro Public Works and Assets, as the Official with Jurisdiction (OWJ) of the Garland Ave, S 15th St, & S Floyd St rights-of-way, concurs with the proposed construction of a post delineator median to improve the safety at the existing at-grade railroad crossing on the condition that adequate lane widths are still provided after construction is complete.

The Garland Ave crossing DOT# 851002M will consist of 100' of Quick Kurb Median Separator for both approaches. The S 15th St crossing DOT# 850981N will consist of 60' of Quick Kurb Median Separator for the north approach and 80' of Quick Kurb Median Separator for the south approach. The S Floyd St crossing DOT#725110P shall consist of 100' of Quick Kurb Median Separator for the north approach and 60' of Quick Kurb Median Separator for the south approach.

Louisville Metro Public Works & Assets agrees to maintain the Quick Kurb Median Separators being installed with this project.

Sincerely,

Jennifer Caummisar-Kern, PE
Director
Louisville Metro Public Works & Assets