



KENTUCKY TRANSPORTATION CABINET  
Department of Highways  
DIVISION OF PLANNING

TC 59-13  
Rev. 02/2021  
Page 1 of 4

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

**SECTION 1: PROJECT OVERVIEW**

APPLICANT NAME		DOT CROSSING #	APPLICATION YEAR
Paducah & Louisville Railway		296877S	2025
ROAD NAME	ROAD MILE POINT	CROSSING LOCATION	
		CITY	COUNTY
Crutcher Street	36.6	Vine Grove	Hardin

**PROJECT TYPE**

- ☒ Crossing Rehab  
Full Crossing Renewal (ADT > 1000)
- ☒ Crossing Safety  
Upgrade Signals/Lights
- ☐ Obstructive Vegetation Removal

TOTAL PROJECT COST	KRCI FUNDING REQUESTED	APPLICANT MATCH	APPLICANT MATCH % (20% Minimum)
\$ 525,813.89	\$ 420,651.11	\$ 105,162.78	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.)

Statement of Work:

The purpose of this project is to upgrade and improve the crossing surface & signals and thereby, increasing crossing safety & decreasing maintenance interruptions.

Scope of Work:

- \*Replace crossing controls and warning equipment
- \*Install 2 S-60 gate combos
- \*Install LED lighting
- \*Install 6x6 house
- \*Install GCP 3000 plus with 40 amp controller
- \*Provide traffic control & detour routes
- \*Remove existing asphalt approaches & track panel
- \*Excavate fouled ballast to hard pan, create positive drainage away from crossing surface
- \*Install new track panel w/ clean ballast rock
- \*Install new concrete crossing surface with asphalt approaches

**FOR KYTC USE ONLY**

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



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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
0212961	A-Active	G-Good

**PRIMARY CONTACT INFORMATION**

NAME & TITLE	PHONE	EMAIL		
Floyd Bishop - VP & Chief Engineer	812-270-0551	fbishop@palrr.com		
MAILING ADDRESS	CITY		STATE	ZIP
200 Clark St.	Paducah		KY	42003

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		3919		Kentucky		
TYPICAL TRAIN SPEED AT CROSSING		# OF TRACKS AT CROSSING		RAIL MILE POINT	BRANCH/LINE NAME		
30		1		36.61	Main		
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
	40 feet	Timber	115
SURFACE CONDITION	VISIBLE TIE CONDITION	APPROACH CONDITION	DRAINAGE CONDITION
Poor	Fair	Poor	Fair

**PROPOSED RECONSTRUCTION**

PROJECT IMPACT ON SIDEWALK, MULTI-USE PATH, OR RECREATIONAL TRAIL	MAXIMUM CHANGE IN TRACK ELEVATION ABOVE/BELOW EXISTING ROADWAY	LENGTH OF ASPHALT APPROACH	
No	1 inches	Taper 1	Taper 2
		25 feet	25 feet

**REPLACEMENT CROSSING SURFACE:** Full-depth Concrete

**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 type="checkbox"/>

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

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

	INSTALL	UPGRADE EXISTING
B. Project Signal Work: Active Traffic Control Devices	<input type="checkbox"/>	<input checked="" type="checkbox"/>

1. Describe in detail active traffic control devices currently used at crossing.  
MS 590

2. Describe in detail active traffic control devices proposed at crossing as part of the project.  
GCP 3000 plus with 40 amp controller, 2 S-60 gate combos, & LED lighting



## 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
Floyd Bishop - VP & Chief Engineer	<i>Floyd C. Bishop</i>	2/7/2025

### 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
Floyd Bishop - VP & Chief Engineer	<i>Floyd C. Bishop</i>	2/7/2025

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

P&L					
Vine Grove					
LIST OF MATERIALS-SHOP					
EFF. DATE:1-21-2025				DOT #:296 877S	
STATE PROJECT #:				MILE POST:J36.61	
OP #:				CONTRACTOR: INTERRAIL	
LOCATION NAME:Crutcher Street				ESTIMATE #: 1	
LOCATION DESCRIPTION: INSTALL 2 16' Cant/ Gate Combo's ,6X6 House, 3000 Plus with 40 amp controller					
QTY	ITEM NUMBER	DESCRIPTION	UM	PRICE	COST
1	IRS-H4X4	HOUSE, 6'X6' combo to mount signl ALUMINUM, UNIVERSAL 1/2 INSULATION 3	EA	27756.00	\$27,756.00
20	0750090	NUT, INSULATED SAFETRAN 023-408-1X	EA	3.33	\$66.60
1	1940055	CONTAINER, CIRCUIT PRINT 24"	EA	8.00	\$8.00
32	4200340	LINK, TEST, OFFSET LINK 1"CENTERS	EA	1.75	\$56.00
6	4200360	LINK, INSULATED TEST, 2-3/8" CENTERS	EA	3.84	\$23.04
1	520434	CRAGG RAILCHARGER 20 AMP / MODEL 20ETC-12V	EA	950.00	\$950.00
1	520740	CHARGER, BATTERY, CRAGG 40ETC-12V CRAGG P/N 520740	EA	1400.00	\$1,400.00
0	8000-80466-0001	2-Track Redundant Casee w/ECD, W/o Modules	EA	4255.00	\$0.00
0	8000-80403-0001	CPU-II+ PROCESSOR MODULE	EA	3921.00	\$0.00
0	800-80405-0001	SSCCIII 40A CROSSING CONTROL MODULE	EA	4981.00	\$0.00
0	8000-80407-0001	DISPLAY MODULE	EA	2283.00	\$0.00
0	8000-80410-0001	SEAR Iii INTERNAL RECORDER MODULE	EA	3914.00	\$0.00
0	8000-80418-0001	TRACK MODULE	EA	5518.00	\$0.00
0	8000-80468-0001	TRANSFER MODULE FOR 2 TRACK REDUNDANT SYSTEM	EA	350.00	\$0.00
0	80288	ELECTONIC BELL WITH BUILT IN BELL SENSOR	EA	625.00	\$0.00
0	80281	GATE TIP TRANSMITTER	EA	138.00	\$0.00
0	8027-001	INTELLIGENT CURENT SENSOR (Ilod)	EA	666.00	\$0.00
0	80160-111-IPI	3000ND2 crossing predictor	EA	39000.00	\$0.00
0		3000D2 crossing predictor	EA	55295.00	\$0.00
0		GCP 4000 Dual 2 Track Chasis	EA	41000.00	\$0.00
1		GCP 3000 Plus	EA	35869.00	\$35,869.00
0		SCX 1 style c crossing	EA	9500.00	\$0.00
1	91160-0011	SSCCIII 40 AMP CROSSING CONTROLLER PN/91160	EA	7400.00	\$7,400.00
1	91170-01	BATTERY/LIGHTING SURGE PANEL / RACK / SAFETRAN	EA	3500.00	\$3,500.00
1	91170-02	LIGHTING SURGE PANEL / RACK / SAFETRAN	EA	2100.00	\$2,100.00
0	80026-38	Surge panel Track	EA	750.00	
0	80026-36	Surge panel track	EA	750.00	
0	80026-41A	AC SURGE PANEL / SAFETRAN	EA	850.00	\$0.00
0	400003	Relay Type ST Neutral 900 Ohms	EA	900.00	\$0.00
0	420000-78x	Socket plugboard Kit	EA	165.00	\$0.00
1	80026-31	BATTERY TRACK SURGE PANEL	EA	1200.00	\$1,200.00
0	80726	VHF Comunicator	EA	1872.00	\$0.00
0	91042-19	Jct. Panel	EA.	338.00	\$0.00
0	80078	Echlon Termination Unit	EA	92.00	\$92.00
1		Digi 8 recorder North American Signal	EA	1800.00	\$1,800.00
2		Potter Brumfield Power Off relay and base	EA	90.00	\$180.00
1		Power off Light	EA	200.00	\$200.00
0	WSRFWPC41010	Rail Fusion Monitoring Kit with Dual Cameras	EA	10597.40	\$0.00
0		4 slot Elogix unit	EA	32000.00	\$0.00
0		SEAR Recorder	EA	3328.00	\$0.00
0	80297-2	Ground Fault Tester	EA	878.00	\$0.00
0		SHOP MATERIAL TOTAL:		\$82,600.64	

P&L					
Vine Grove					
LIST OF MATERIALS-CONSUMABLES					
EFF. 1-21-2025				DOT #:296 877S	
STATE PROJECT #:				MILE POST:J36.61	
OP #:				CONTRACTOR: INTERRAIL	
LOCATION NAME:Crutcher Street				ESTIMATE #: 1	
LOCATION DESCRIPTION: INSTALL 2 16' Cant/ Gate Combo's ,8X8 House, 3000 Plus with 40 amp controller					
QTY	ITEM NUMBER	DESCRIPTION	UM	PRICE	COST
800	0017605	WIRE, CASE NO.10 AWG FLEX	FT	0.60	\$480.00
150	0017607	WIRE, CASE, TW. PR. NO. 10 AWG	FT	1.00	\$150.00
200	0017625	WIRE, CASE, TW. PR. NO. 14 AWG	FT	0.45	\$90.00
250	0017620	WIRE, CASE NO.14 AWG FLEX OKONITE 112-11-3024	FT	0.66	\$165.00
150	0017635	WIRE, OKONITE, DEL. 0018 AWG #6	FT	1.25	\$187.50
100	GBAR	TERMINAL, RING, AMP 35628, YELLOW #16-#14	EA	0.90	\$90.00
3	LS5-HS5	PANDUIT HEAT SHRINK TAGS	EA	90.00	\$270.00
50	GBAR	TERMINAL, RING, AMP 35627 BLACK #12-#10	EA	0.95	\$47.50
8	GBAR	TERMINAL, RING, AMP 322051, BLUE FOR #6 WIRE AND 1/4" STUD	EA	1.25	\$10.00
8	GBAR	TERMINAL, WIRE, AMP 322007 BLUE FOR #6 WIRE AND 3/8" STUD	EA	1.25	\$10.00
1	9999992	HOUSE, SIGNAL, HANDLING CHARGE	EA	100.00	\$100.00
1	N/A	ELECTRICAL SERVICE INSPECTION FEE	EA	150.00	\$150.00
1	LOT	MISC. SCREWS,BOLTS,NUTS,WASHERS,SILICONE,SEALANT.ETC.....	LT	300.00	\$300.00
		CONSUMABLES MATERIAL TOTAL:		\$2,050.00	

P&L					
Vine Grove					
LIST OF MATERIALS-FIELD					
EFF. DATE:1-21-2025				DOT #:296 877S	
STATE PROJECT #:				MILE POST:J36.61	
OP #:				CONTRACTOR: INTERRAIL	
LOCATION NAME:Crutcher Street				ESTIMATE #: 1	
LOCATION DESCRIPTION: INSTALL 2 16' Cant/ Gate Combo's ,8X8 House, 3000 Plus with 40 amp controller					
QTY	ITEM NUMBER	DESCRIPTION	UM	PRICE	COST
6	0010442	ROD, 5/8" X 8' SECTIONAL GROUND	EA	30.00	\$180.00
0	0010443	COUPLING 5/8" SECTIONAL GROUND ROD	EA	2.46	\$0.00
6	0014335	CONNECTOR, ONE SHOT 2-WAY TYPE GT	EA	19.00	\$114.00
50	4600170	WIRE, #6 SOFT DRAWN BARE COPPER	FT	1.25	\$62.50
10	0013686	BOOTLEG, RAIL CONN. KIT FOR 2 CONNECTIONS	EA	65.00	\$650.00
500	206-11-6245	CABLE, UG 5 COND NO 6 AWG FOR SIGNALS, OKONITE	FT	8.50	\$4,250.00
500	206-11-6927	CABLE UG 7 COND NO 9 AWG FOR SIGNALS, OKONITE	FT	7.25	\$3,625.00
200	206-11-6243	CABLE UG 3 COND NO 6 FOR AC POWER, OKONITE	FT	7.75	\$1,550.00
100	4XX3597UG	4" INTERDUCT FIBER 500' ROLLS	FT	6.00	\$600.00
10	0015558	COMPOUND, DUCT SEAL, 5 LB PACKAGE	LB	1.54	\$15.40
500	0017605	WIRE, CASE NO.10 AWG FLEX	FT	0.95	\$475.00
30	GBAR	TERMINAL, RING, AMP 35628, YELLOW #16-#14	EA	0.50	\$15.00
150	0017620	WIRE, CASE NO.14 AWG FLEX OKONITE 112-11-3024	FT	0.40	\$60.00
0	0056822	TAPE, UG CABLE MARKER IMPRINT 500'/ROLL	RL	24.37	\$0.00
500	0057275	WIRE, UG TRK TWIST PAIR #6 AWG, OKONITE	FT	3.25	\$1,625.00
0	805971	BATTERY, EMF240R 320AH	EA	360.00	\$0.00
13	805972	BATTERY, EMF340R 425AH	EA	820.00	\$10,660.00
3	1040550	TRAY, PVC BATT. FIBER CO. 82687-3-P	EA	36.25	\$108.75
2	1710040	CONDUIT, PVC 4 INCH SCHEDULE 40 HEAVY WALL	LN	40.00	\$80.00
20	4200340	LINK, TEST, OFFSET LINK 1IN CENTERS	EA	0.90	\$18.00
50	GBAR	TERMINAL, RING, AMP 35627, BLACK FOR #10 WIRE	EA	0.65	\$32.50
8	GBAR	TERMINAL, RING, AMP 322051, BLUE FOR #6 WIRE AND 1/4" STUD	EA	0.60	\$4.80
8	8000067	P&L RR Lock	EA	30.00	\$240.00
12	6850686	TAPE, ELECTRICAL 3/4" 3M33	RL	3.50	\$42.00
1	1360103	METER POLE, PRE-ASSEMBLED LOAD CENTER	EA	3000.00	\$3,000.00
2	0054075	GATE SK-1000-C KEEPER, NORMAL MOVEMENT, RIGHT OF TRAFFIC DIR	EA	2724.00	\$5,448.00
0		36 foot Cantilever and Lights and Bell	EA	21500.00	\$0.00
0		22 foot Cantilever/Gate combo with S60 gates, 2 way Tip and 2 Way mast lights, 24 ft	EA	36000.00	\$0.00
2		16 Feet cantilever/gate combo with S60	EA	48600.00	\$97,200.00
2		2 way Sidelight for gate mast	EA	5000.00	\$10,000.00
2		Pour in place foundations	EA	4200.00	\$8,400.00
0		Back to Back flahers	EA	3507.00	\$0.00
0	EM-3415-G32B	GATE S-60 ASSEMBLY WITH 2 WAY LIGHTS LED LIGHTS ALUMINUM MAST WITH JUNCTIONBOX BASE,HIGHWIND SUPPORT,RAILROAD CROSSING SIGN &BELL	EA	23000.00	\$0.00
0		S2 Prefab concrete foundations	EA	700.00	\$0.00
0		Ring 10	EA	175.00	\$0.00
2		Narrow Band Shunt	EA	1550.00	\$3,100.00
2		Shunt enclosure, with concrete post	EA	1600.00	\$3,200.00
0		Coupler TJC	EA	1250.00	\$0.00
0		136RE Insulated Joint	EA	385.00	\$0.00
50		Rail Head Bonds	EA	6.50	\$325.00
0		4000 PSI Concrete	YD	100.00	\$0.00
50		STONE, CRUSHER RUN	TN	40.00	\$2,000.00
		FIELD MATERIAL TOTAL:		\$157,080.95	

P&L										
Vine Grove										
FORCE ACCOUNT ESTIMATE										
EFFECTIVE DATE: 1-21-2025							296 877S			
STATE PROJECT #:							MILE POST: J36.61			
OP #:							CONTRACTOR: INTERRAIL			
Crutcher Street							ESTIMATE #: 1			
LOCATION DESCRIPTION: INSTALLATION OF 2 16' cant/gate combos,6X6 house, GCP3000 Plus 40 amp controller										
QTY	ITEM			DESCRIPTION				COST		
1	MATERIAL			SHOP MATERIAL				\$82,600.64		
1	MATERIAL			CONSUMABLES MATERIAL				\$2,050.00		
1	MATERIAL			FIELD MATERIAL				\$157,080.95		
1	MATERIAL			SUB TOTAL MATERIAL				\$241,731.59		
1	TAX			SALES TAX				\$15,108.22		
1	FREIGHT			5% OF MATERIAL				\$12,086.58		
				GRAND TOTAL MATERIAL				\$268,926.39		
DAYS	LABOR			DESCRIPTION				COST		
120	CONSTRUCTION			1 MANDAY = 10 HOUR WORKDAY PER MAN = \$500.00 PER MANDAY				\$60,000.00		
12	SHOP			1 MANDAY = 10 HOUR WORKDAY PER MAN = \$500.00 PER MANDAY				\$6,000.00		
125	MEALS & LODGING			SUBSISTENCE FOR CONSTRUCTION FORCES - \$200.00 PER DAY				\$25,000.00		
5	SUPERVISION			INTERRAIL IN SERVICE TESTING AND SUPERVISION @ \$90.00 PER HOUR				\$4,500.00		
	BORING-FT		100	@ \$50 PER FOOT				\$5,000.00		
				TOTAL MANPOWER				\$100,500.00		
DAYS	ITEM			DESCRIPTION				COST		
10	BACKHOE			4 WHEEL DRIVE				\$1,500.00		
0	DUMP TRUCK			2-1/2 TON				\$0.00		
10	TRUCK & TRAILER			Utility Truck with tools				\$1,500.00		
10	BOOM TRUCK			75' HYDRO-BOOM				\$1,500.00		
0	60 HP TRENCHER			HERTZ/VERMEER				\$0.00		
10	TRUCK & TRAILER			EQUIPMENT TRUCK AND TRAILOR				\$1,500.00		
0	AIR COMPRESSOR			350 CFM COMPRESSOR W/PAVEMENT BREAKER JACKHAMMER				\$0.00		
0	DUMPSTER			REFUSE CONTAINER AND DISPOSAL FEE PER MONTH				\$0.00		
0	PORT-A-JON			PORTABLE REST ROOM PER MONTH				\$0.00		
				TOTAL EQUIPMENT				\$6,000.00		
				UP-TO-DATE PLANS				\$1,500.00		
				CONTRACT ENGINEERING				\$8,500.00		
				EVWR- CROSSING TOTAL ESTIMATED Signal COST				\$385,426.39		
NOTE: THIS ESTIMATE DOES INCLUDE INSTALLATION OF POWER SERVICE, PLACING SYSTEM IN SERVICE. Does not include any aid to construction for A.C.power. Included 10 yards of concrete for sidewalk around signals										
DISCLAIMER: THIS ESTIMATE SHOULD BE CONSIDERED VOID ONE YEAR FROM THE DATE OF ESTIMATE. IT DOES NOT LABOR AND MATERIAL FOR AC POWER OR ANY OTHER UTILITY AID TO CONSTRUCTION.										



PROJECT WOULD BE COMPLETED WITHIN <b>160 DAYS</b> OF NOTIFICATION TO PROCEED.			

**CRUTCHER STREET**

**Interrail Signal** Legend:

**Mike Hutson**

Project Start Date: 2/3/2025 This date TBD by NTP

Scrolling Increment: 0

Legend: On track Low risk Med risk High risk Unassigned

On track

Low risk

Med risk

High risk

Unassigned

[illegible]

To add more data, insert new rows  
ABOVE this one



# Proposal

"296877S - CS 3033 / Crutcher Street (36.61)"

## 296877S - CS 3033 / Crutcher Street (36.61)

### Scope of Work

#### CS 3033 / Crutcher Street (36.61)

Build 80' track panel utilizing 160 LF of NEW head-hardened 115RE rail/OTM and 48 Ea. 10' ties.

Obtain approved encroachment permit from KYTC. Provide traffic control and detour routing as necessary. Close and barricade road. Sawcut and remove existing asphalt and crossing materials. Remove existing track panel. Excavate fouled ballast to hardpan. Install track panel. Furnish and install 4 Ea. sets of 115RE bars. Furnish and install number 4 ballast and DGA. Surface track panel with HARSCO Mark IV HD production tamper. Regulate ballast and broom finish track.

Furnish and install 40.625' track feet of OMNI full depth concrete crossing surface. Furnish and install 4 Ea. weld kits. Furnish and install asphalt base and surface course.

**Grand Total**

**\$140,387.50**

### Notes and Exclusions

Proposal is turnkey and has been determined according to P&L (CSX) and KTC specifications. Asphalt quantities have been determined based on a maximum 25' apron at each approach.

### Company Proposal

We, Track Tech, Inc., hereby propose to complete the scope of work above for a lump sum price of \$140,387.50.

*Proposal continues on next page...*



# Proposal

"296877S - CS 3033 / Crutcher Street (36.61)"

## Cost Analysis

<i>Classification</i>	<i>Units</i>	<i>Quantity</i>	<i>Unit Cost</i>	<i>Total Cost</i>
Track Tech Labor	LS	1	\$19,500.00	\$19,500.00
Track Tech Equipment	LS	1	\$24,500.00	\$24,500.00
P&L Railway Labor	LS	1	\$6,500.00	\$6,500.00
P&L Railway Equipment	LS	1	\$2,200.00	\$2,200.00
Asphalt Labor and Equipment	LS	1	\$10,000.00	\$10,000.00
Detour Routing, Permitting, Striping	LS	1	\$5,000.00	\$5,000.00
Waste Disposal	LS	1	\$4,000.00	\$4,000.00
Mobilization/Hotels/Per Diem	LS	1	\$6,800.00	\$6,800.00
Concrete for 115RE	Track Feet	40.625	\$460.00	\$18,687.50
115RE Rail	80' Sticks	2	\$4,840.00	\$9,680.00
10' Ties	Ea.	48	\$152.00	\$7,296.00
Plates	Ea.	96	\$26.00	\$2,496.00
Straight Bars	Pairs	4	\$218.00	\$872.00
Spikes	Kegs	6	\$152.00	\$912.00
Anchors	Ea.	292	\$5.00	\$1,460.00
Bolts	Ea.	16	\$8.00	\$128.00
Ballast	Tons	75	\$43.00	\$3,225.00
DGA	Tons	50	\$31.00	\$1,550.00
Geotextile Fabric	Ea.	1	\$968.00	\$968.00
End Plates	Set	1	\$1,573.00	\$1,573.00
Field Welds	Ea.	4	\$363.00	\$1,452.00
6" CMP	Linear Feet	50	\$34.00	\$1,700.00
Asphalt	Tons Delivered	48	\$206.00	\$9,888.00
			<b>Grand Total</b>	<b>\$140,387.50</b>

[illegible]

## 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 / 18 / 2024	<b>B. Reporting Agency</b> <input type="checkbox"/> Railroad <input type="checkbox"/> Transit <input checked="" type="checkbox"/> State <input type="checkbox"/> Other	<b>C. Reason for Update</b> (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 <input type="checkbox"/> No Train Traffic <input type="checkbox"/> Quiet Zone Update <input type="checkbox"/> Admin. Correction	<b>D. DOT Crossing Inventory Number</b> 296877S
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## Part I: Location and Classification Information

<b>1. Primary Operating Railroad</b> Paducah & Louisville Railway Company [PAL]		<b>2. State</b> KENTUCKY		<b>3. County</b> HARDIN	
<b>4. City / Municipality</b> <input checked="" type="checkbox"/> In <input type="checkbox"/> Near VINE GROVE		<b>5. Street/Road Name &amp; Block Number</b> CRUTCHER ST (Street/Road Name) * (Block Number)		<b>6. Highway Type &amp; No.</b> CS-3033	
<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 KENTUCKY		<b>10. Railroad Subdivision or District</b> <input type="checkbox"/> None LOUISVILLE		<b>11. Branch or Line Name</b> <input type="checkbox"/> None MAIN	
<b>12. RR Milepost</b> 0036.610 (prefix)   (nnnn.nnn)   (suffix)					
<b>13. Line Segment</b> * J-82		<b>14. Nearest RR Timetable Station</b> * VINE GROVE		<b>15. Parent RR</b> (if applicable) <input type="checkbox"/> N/A PAL	
<b>16. Crossing Owner</b> (if applicable) <input type="checkbox"/> N/A PAL					
<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</b> (if Private Crossing) <input type="checkbox"/> Yes <input 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 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					
<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</b> (FRA provided) <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) 37.8110400		<b>28. Longitude in decimal degrees</b> (WGS84 std: -nnn.nnnnnnn) -085.981375	
<b>29. Lat/Long Source</b> <input checked="" type="checkbox"/> Actual <input 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</b> (Railroad Use) *			<b>32.B. Narrative</b> (State Use) * Cantilevered lights are 8â€. The rest are 12â€		
<b>33. Emergency Notification Telephone No.</b> (posted) 800-444-2580		<b>34. Railroad Contact</b> (Telephone No.) 270-444-4300		<b>35. State Contact</b> (Telephone No.) 502-564-3210	

## Part II: Railroad Information

<b>1. Estimated Number of Daily Train Movements</b>				
<b>1.A. Total Day Thru Trains</b> (6 AM to 6 PM) 5	<b>1.B. Total Night Thru Trains</b> (6 PM to 6 AM) 5	<b>1.C. Total Switching Trains</b> 0	<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? 0
<b>2. Year of Train Count Data</b> (YYYY) 2015		<b>3. Speed of Train at Crossing</b> 3.A. Maximum Timetable Speed (mph) 30 3.B. Typical Speed Range Over Crossing (mph) From 25 to 30		
<b>4. Type and Count of Tracks</b> Main 1 Siding 0 Yard 0 Transit 0 Industry 0				
<b>5. Train Detection</b> (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				
<b>6. Is Track Signaled?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>7.A. Event Recorder</b> <input type="checkbox"/> Yes <input checked="" 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) 06/18/2024		PAGE 2		D. Crossing Inventory Number (7 char.) 296877S	
<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) 0	2.D. Advance Warning Signs (Check all that apply; include count) <input checked="" type="checkbox"/> None <input type="checkbox"/> W10-1 <input type="checkbox"/> W10-3 <input type="checkbox"/> W10-11 <input type="checkbox"/> W10-2 <input type="checkbox"/> W10-4 <input type="checkbox"/> W10-12	
2.E. Low Ground Clearance Sign (W10-5) <input type="checkbox"/> Yes (count _____) <input checked="" type="checkbox"/> No		2.F. Pavement Markings <input type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope <input type="checkbox"/> RR Xing Symbols <input checked="" type="checkbox"/> None		2.G. Channelization Devices/Medians <input type="checkbox"/> All Approaches <input type="checkbox"/> Median <input type="checkbox"/> One Approach <input 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 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)  no	
<b>3. Types of Train Activated Warning Devices at the Grade Crossing (specify count of each device for all that apply)</b>					
3.A. Gate Arms (count)  Roadway 0 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 <input type="checkbox"/> 4 Quad		3.C. Cantilevered (or Bridged) Flashing Light Structures (count) Over Traffic Lane 0 <input checked="" type="checkbox"/> Incandescent Not Over Traffic Lane 1 <input type="checkbox"/> LED	
3.D. Mast Mounted Flashing Lights (count of masts) 1 <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  6			
3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) _____/_____/_____ <input checked="" 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 * _____ Stop Line Distance * _____	
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
5. Crossing Surface (on Main Track, multiple types allowed)   Installation Date * (MM/YYYY) ____/____/_____ <input checked="" type="checkbox"/> 1 Timber <input 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) 50		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	
<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 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 25 _____ MPH <input checked="" type="checkbox"/> Posted <input type="checkbox"/> Statutory		5. Linear Referencing System (LRS Route ID) * 047 CS-3033			
6. LRS Milepost * 0.152		7. Annual Average Daily Traffic (AADT) Year 1979   AADT 003919			
8. Estimated Percent Trucks 5 _____ %		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	
<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.					



U.S. Department  
of Transportation  
Federal Railroad  
Administration

## RANKED PUBLIC HIGHWAY-RAIL CROSSINGS FIVE YEAR TOTAL ACCIDENT HISTORY

Yearly accident count includes only complete calendar year data. If interested in partial year data, run the cyclic report option.

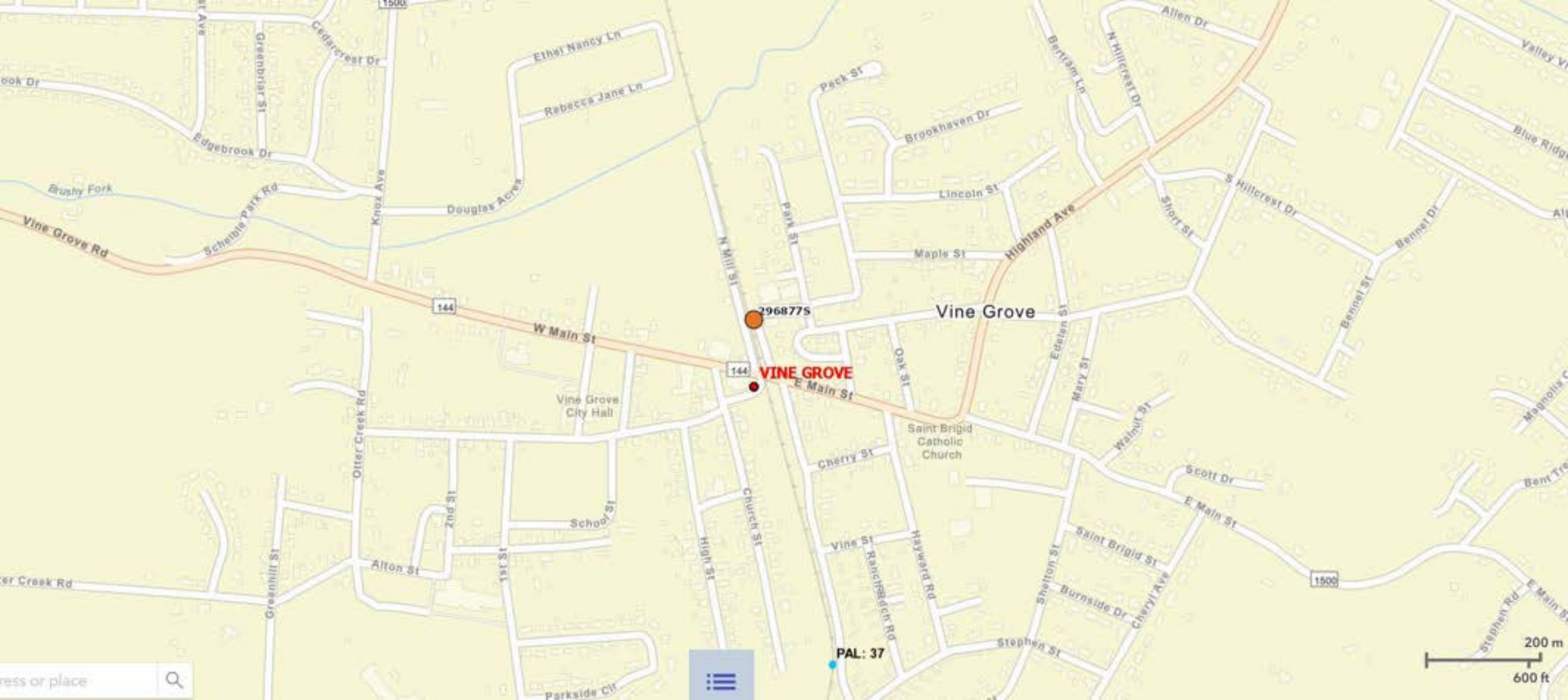
Date generated: 01/29/2025. Source: <https://safetydata.fra.dot.gov/gxaps-app/#/>

						Yearly Accident Count												
PRED ACC RANK	AVG PRED ACC	GX ID	RR	CITY, STATE (COUNTY)	STREET	23	22	21	20	19	DATE CHG	W D	TOT TRN	TOT TRK	TTBL SPD	HWY PVD	HWY LNS	AADT
1	0.003525	296877S	PAL	VINE GROVE, KY (HARDIN)	CRUTCHER ST	0	0	0	0	0		FL	10	1	30	Yes	2	3919
TTL:	0.003525					0	0	0	0	0								









**Commonwealth of Kentucky**  
**Michael G. Adams, Secretary of State**

Michael G. Adams  
Secretary of State  
P. O. Box 718  
Frankfort, KY 40602-0718  
(502) 564-3490  
<http://www.sos.ky.gov>

**Certificate of Existence**

Authentication number: 327839

Visit <https://web.sos.ky.gov/fts/certvalidate.aspx> to authenticate this certificate.

I, Michael G. Adams, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State,

**PADUCAH & LOUISVILLE RAILWAY, INC.**

PADUCAH & LOUISVILLE RAILWAY, INC. is a corporation duly incorporated and existing under KRS Chapter 14A and KRS Chapter 271B, whose date of incorporation is March 17, 1986 and whose period of duration is perpetual.

I further certify that all fees and penalties owed to the Secretary of State have been paid; that Articles of Dissolution have not been filed; and that the most recent annual report required by KRS 14A.6-010 has been delivered to the Secretary of State.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 30<sup>th</sup> day of January, 2025, in the 233<sup>rd</sup> year of the Commonwealth.



*Michael G. Adams*

Michael G. Adams  
Secretary of State  
Commonwealth of Kentucky  
327839/0212961

Commonwealth of Kentucky  
Michael G. Adams, Secretary of State

PARP  
0212961  
Michael G. Adams  
KY Secretary of State  
Received and Filed  
1/10/2025 10:01:55 AM  
Fee receipt: \$15.00

Michael G. Adams  
Secretary of State  
P. O. Box 1150  
Frankfort, KY 40602-1150  
(502) 564-3490  
<http://www.sos.ky.gov>

Annual Report  
Online Filing  
For the Year 2025

ARP

**Company:** PADUCAH & LOUISVILLE RAILWAY, INC.  
**Company ID:** 0212961  
**State of origin:** Kentucky  
**Formation date:** 3/17/1986 12:00:00 AM  
**Date filed:** 1/10/2025 9:59:56 AM  
**Fee:** \$15.00

**Principal Office**

200 CLARK STREET  
PADUCAH, KY 42003

**Registered Agent Name/Address**

Paducah & Louisville Railway  
200 Clark St  
Paducah, KY 42003

**Current Officers**

President	Thomas A Greene	200 Clark Street, Paducah, KY 42003-1701
Secretary	Tim R Wyatt	200 Clark Street Paducah KY 42003
Treasurer	Jennifer M Hrdlicka	200 Clark Street Paducah KY 42003

**Directors**

Director	William D Donan	505 Tiffany Lane, Louisville KY 40207
Director	Thomas A Greene	200 Clark Street, Paducah, KY 42003-1701
Director	John P Patelli	500 Water St., Jacksonville FL 32202
Director	Joe Forkum	500 Water St., Jacksonville FL 32202
Director	Chantel Goutcher	500 Water St., Jacksonville FL 32202
Director	Tim R Wyatt	200 Clark Street, Paducah KY 42003
Director	Jennifer M Hrdlicka	200 Clark Street, Paducah KY 42003

County:	MCCRACKEN
Business size:	Large
Business type:	Railroad Transportation

**Signatures**

Signature	Thomas A Greene
Title	President & CEO

MICHAEL PAGE, P.E.  
CITY ENGINEER



200 West Dixie Avenue  
P.O. Box 550  
Elizabethtown, KY 42702  
(270) 765-7873

**CITY OF ELIZABETHTOWN**  
**ENGINEERING DEPARTMENT**

February 12, 2025

Re: Consultation Letter for P&L Railway  
Track and Crossing Safety Improvements in Elizabethtown, Ky  
DOT# 2968775 Crutcher Street

To whom it may concern:

The City of Elizabethtown has been contacted regarding track and crossing safety improvements for the Paducah and Louisville Railway (P&L) on the reference City maintained roadway. P&L is seeking funding through the KYTC-KRCI grant program. This letter is to confirm the City of Elizabethtown's support of the proposed improvements of the crossing surface and warning devices.

Sincerely,

Michael Page, P.E.  
City Engineer

