

KRCI Application

R. J. Corman Railroad Company/Central Kentucky Lines
Benson Valley RD (DOT# 346 741U)

October 31, 2025





KENTUCKY TRANSPORTATION CABINET
Department of Highways
DIVISION OF PLANNING

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

SECTION 1: PROJECT OVERVIEW

APPLICANT NAME		DOT CROSSING #	APPLICATION YEAR
R. J. Corman Railroad Company / Central Kentucky Lines		346741U	2026
ROAD NAME	ROAD MILE POINT	CROSSING LOCATION	
		CITY	COUNTY
Benson Valley RD	1.451	Frankfort	Franklin

PROJECT TYPE

☐ Crossing Rehab
Select One

☒ Crossing Safety
Upgrade Signals/Lights

☐ Obstructive Vegetation Removal

TOTAL PROJECT COST	KRCI FUNDING REQUESTED	APPLICANT MATCH	APPLICANT MATCH % (20% Minimum)
\$ 315,462.55	\$ 252,370.04	\$ 63,092.51	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.)

Replacement of signal warning system. The crossing was selected due to the roadway curvature and outdated warning equipment. The purpose of this project would provide updated signal equipment that would enhance the visibility for the motoring public. The improvements of the upgraded LED lights and reflective gates would provide better warning preview for vehicles in both directions. Updated equipment would help eliminate crossing malfunctions as well.

FOR KYTC USE ONLY

Date Received: _____	FRA WBAPS Score: _____	Secretary Approval: ☐ Y ☐ N
Application Complete ☐ Y ☐ N	Match %: _____	KRCI Award Amount: _____
603 KAR 7:090 Compliant ☐ Y ☐ N	Road ADT: _____	KRCI Award Date: _____
Eligible Applicant ☐ Y ☐ N		



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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
0556592	A-Active	G-Good

PRIMARY CONTACT INFORMATION

NAME & TITLE	PHONE	EMAIL		
Mary Beth Carter, Senior Manager Funded Projects	859-881-2381	marybeth.carter@rjcorman.com		
MAILING ADDRESS	CITY		STATE	ZIP
PO Box 788	Nicholasville		KY	40340

If awarded, will signatory be different from the Primary Contact? ☐ NO ☒ YES (Provide signatory information.)

SIGNATORY NAME & TITLE	PHONE	EMAIL		
Raymond Goss, President	859-881-2400	raymond.goss@rjcorman.com		
MAILING ADDRESS	CITY		STATE	ZIP
PO Box 788	Nicholasville		KY	40340

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	571		Central Kentucky		
TYPICAL TRAIN SPEED AT CROSSING		# OF TRACKS AT CROSSING	RAIL MILE POINT	BRANCH/LINE NAME		
40		1	63.36	Old Road		
AVERAGE DAILY TRAIN MOVEMENTS AT CROSSING		FRA TRACK CLASS AT CROSSING	TOTALS FROM PREVIOUS 5 YEARS AT CROSSING			
5		Class 3	CRASHES		FATALITIES	INJURIES
			0		0	0



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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	0 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	☐	☒
1. Describe in detail signs and markings <u>currently</u> used at crossing. (Text is limited.) 4 Crossbucks (R15-1), 2 ENS (I-13), and 0 Stop Lines, 2 Advanced warning sign		
2. Describe in detail signs and markings <u>proposed</u> at crossing as part of the project. (Text is limited.) 4 Crossbucks (R15-1), 2 Advanced warning (W10), 2 ENS (I-13), 2 Stop Lines, and 2 RR Pavement Mark		
	INSTALL	UPGRADE EXISTING
B. Project Signal Work: Active Traffic Control Devices	☐	☒
1. Describe in detail active traffic control devices <u>currently</u> used at crossing. 8 Flasher Sets, 2 Cantilevers, 2 Bell, and 1 Signal Cabinet		
2. Describe in detail active traffic control devices <u>proposed</u> at crossing as part of the project. 8 Flasher Sets, 2 Cantilevers, 2 Bell, and 1 Signal Bungalow		



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
Raymond Goss, President	<i>Raymond A. Goss</i>	October 31, 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
Raymond Goss, President	<i>Raymond A. Goss</i>	October 31, 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.

Engineering Assessment

Removing the existing signal warning system and installing a new signal warning system will upgrade all existing equipment. We will replace the cantilevers, cables, wiring, and signal light units. We will replace the bungalow and its components, track wires, signal cables, signal structures, and Bell. This will provide better visibility for the motoring public.

Statement of Work

The project will consist of removing all current warning system devices. A new bungalow will be installed with updated interior equipment, new retaining wall, new house platform, new underground cables, and track wires. Two cantilevers with 12" LED's will be installed to improve visibility.

DETAILED ESTIMATE

CITY/STATE: FRANKFORT, KY
MILE POST: W63.36
STATE PROJECT NO:

ROAD: BENSON VALLEY RD
DOT: 346741U
COUNTY: FRANKLIN

Materials & Additives

Signal Material	\$	184,410.37
Installation Material	\$	17,205.00
Sales & Use Tax	\$	12,096.92
Freight	\$	3,500.00
Material Total	\$	217,212.29

Labor & Additives

Engineering	\$	6,868.00
Site Survey	\$	1,936.00
Shop Labor	\$	8,140.00
Mobilization	\$	638.69
Installation Labor	\$	52,433.92
Installation Equipment	\$	28,233.65
Flagging	\$	10,600.00
Labor Total	\$	98,250.26

PROJECT TOTAL: \$ 315,462.55

Estimated by: RJC
Estimated on: 29-Oct-25

Table 2 - Detailed Estimate.



MATERIAL LIST

#	Item	Qty	Description	OEM Part Number
1	70-1000-A3008	1	ENCLOSURE, HOUSE, 6'X6' ALUMINUM, W/ LIGP, W/O AC UNIT, W/ HEATER	91000866 B
2	70-1000-A1739	2	PADLOCK, HEXAGON	030399-16X
3	70-1000-A2781	1	LIGHT, POWER INDICATOR, 2 EYE, 4 WIRE, W/ WAGO	LC2-001WB-WG4
4	70-1000-A4068	1	AC KIT FOR 6X6, AC "WINDOW" UNIT W/ MOUNTING SHROUD AND HARDWARE	98000695
5	70-1000-A3869	1	PMD-4R CW MODE NEW INSTALL KIT	180740-010
6	70-1000-A1744	1	ELECTRONICS, SOLID STATE CROSSING CONTROLLER, 40 AMP, (SSCC IIIA)	9000-91160-0101
7	70-1000-A3832	1	RELAY, PHOENIX, REL-IR4/LDP- 12DC/4X21, 4PDT, 12V DC, 6A, (BASE 70-1000-A3833)	2903676
8	70-1000-A3833	1	RELAY BASE, PHOENIX, RIF-2-BPT/4X21, RELAY SOCKET FOR 12V DC RELAY (RELAY 70-1000-A3832)	2900934
9	70-1000-A4246	1	ENCLOSURE, ALUMINIUM, WALL MOUNT, F/SOS-5	3A902781
10	70-1000-A4287	1	SIGNAL OVERRIDE SYSTEM, GENESIS SOS-5	16059-000
11	70-1000-A3552	1	BATTERY CHARGER, HF-MAX, 12V, 2 SLOT CHASSIS, 1 IPM (20A), DISPLAY	012-02-01DAX1100
12	70-1000-A3553	1	BATTERY CHARGER, HF-MAX, 12V, 2 SLOT CHASSIS, 2 IPM (40A), DISPLAY	012-02-02DAX1100
13	70-1000-A3532	2	PLUG, TWIST LOCK, L6-20P - 20A, 250V, 3-WIRE	L620P
14	70-1000-A4179	20	WIRE, SOOW, 600V, BLACK, #12/3 CONDUCTOR (BLACK/WHITE/GREEN)	12/3 SOOW
15	70-1000-A1766	75	WIRE, THHN, #6, 19 STRANDED, GREEN	#6 THHN STR GREEN
16	70-1000-A2384	300	WIRE, CASE, #6, 600V, 19 STRAND, OKOLON - (TS-CPE), OKONITE - PN (151-12-1201)	151-12-1201
17	70-1000-A2381	1500	WIRE, CASE, #10, 600V, 19 STRAND, TC BLUE, OKONITE - PN (152-11-3038)	152-11-3038
18	70-1000-A2382	2000	WIRE, CASE, #16, 600V, 19 STRAND, TC BLUE, OKONITE - PN (151-12-9111)	152-11-3002
19	70-1000-A3792	1	WAGO, PREBUILT TERMINAL BLOCK KIT, XING TYPICAL BUS (WAGO PN: 60508055)	XING-TYP-BUS
20	70-1000-A2583	2	RESISTOR, ADJUSTABLE, 0.136-1.300 OHM, 3.40A, PORCELAIN	029602-4X
21	70-1000-A2346	8	TERMINAL INSULATION BLOCK, BAKELIGHT, 1X6	023275-2
22	70-1000-A3322	44	AAR, TERMINAL BLOCK, 4-POST THRU HOLE / 3T-LIGP	NYK:023275-15X
23	70-1000-A2347	27	AAR, CONNECTOR, TEST LINK, 3-POST	024620-43X
24	70-1000-A2389	31	AAR, ARRESTOR, HD, AIR GAP, 4000-44615-001X	4000-44615-001X
25	70-1000-A1729	10	AAR, EQUALIZER, BASIC, CLEARVIEW, 44700-0000 (W/O HDW)	4000-44700-0000



#	Item	Qty	Description	OEM Part Number
26	70-1000-A1826	1	AAR, TERMINAL BLOCK, 1" CENTERS, 1X12, WITH FLAT NUT AND WASHER ONLY	9A2230
27	70-1000-A1832	11	AAR, TERMINAL BLOCK, 2-3/8" CENTERS, 1X2, WITH NUT AND WASHER ONLY	9A2233
28	70-1000-A1830	6	AAR, TERMINAL BLOCK, 1" CENTERS, 2X6, WITH NUT AND WASHER ONLY	9A2231
29	70-1000-A1835	36	AAR, CONNECTOR, TEST LINK, STRAIGHT, 1"	9A2205
30	70-1000-A1836	7	AAR, CONNECTOR, TEST LINK, STRAIGHT, 2-3/8"	9A2211
31	70-1000-A1803	30	AAR, 1" CENTER STRAP	9A2201
32	70-1000-A1810	2	AAR, CONNECTOR, FLAT STRAP, 2-3/8" CENTER, 2 HOLE	9A2201
33	70-1000-A1493	12	AAR, NUT, INSULATED	013986-000
34	70-1000-A1815	70	AAR, NUT TEST GOLD #14-24	9A2208
35	70-SRVC-A1814	350	AAR, NUT, CLAMP (FLAT), #14-24 HEX	9A2202
36	70-SRVC-A1813	700	AAR, NUT, BINDING (CROWN), BRASS, #14-24	9A2204
37	70-SRVC-A1816	700	AAR, WASHER, BEVELED, FLAT, 1/4" STUD	9A2203
38	70-1000-X0018	1	MISC. SHOP SUPPLIES FOR CROSSING 6X6 HOUSE	XNG MISC (6X6)
39	70-1000-A1739	7	PADLOCK, HEXAGON	030399-16X
40	70-1000-A2746	6	GROUNDING, ROD, 5/8" X 10'	615800
41	70-1000-A1875	6	GROUNDING, ONE SHOT, 5/8" GROUND ROD, TYPE NT, 3 HOLE - 2 TO 1 STYLE, #6/#8 SOLID OR #8 STRANDED CABLE	SBNT1161G
42	70-1000-A1785	150	WIRE, BARE, #6, SOLID	SW-BG-SOL6
43	70-1000-A1751	350	CABLE, UNDERGROUND, 7/C #6, ARMORED SIGNAL CABLES – OKONITE – PN 206-11-6247	206-11-6247
44	70-1000-A1756	400	CABLE, UNDERGROUND, TRACK, 2/C #6, 600V, OKOLENE DUPLEX - RED/BLACK, OKONITE - PN (150-12-3933)	150-12-3933
45	70-1000-A1757	400	CABLE, UNDERGROUND, 3/C #2 WITH #6 GRD, ARMORED SIGNAL CABLES – OKONITE – PN 206-11-6130	206-11-6130
46	70-1000-A1885	500	WIRE, BONDSTRAND, INSULATED 0.063", ORANGE, 500 FT	SBS8LINSORG
47	70-1000-A1084	100	HOSE, RUBBER, 5/8", RED (on 500-ft spools only)	810-083004-070
48	70-1000-A1085	100	HOSE, RUBBER, 5/8", BLACK	HOSE, RUBBER, BLACK
49	70-1000-A3114	20	STAPLE 2" X 1-1/16" X .187" COPPERCLAD - DIAMOND POINT	D2090187C
50	70-1000-A2477	2	TRACK CONNECTION, FLOWER POT, 10" W X 12" H	111BC



#	Item	Qty	Description	OEM Part Number
51	70-1000-A1847	5	GROUNDING, SLEEVE, REDUCING, 3/16" BONDSTR TO #6 SOLID	BA2367
52	70-1000-A3449	5	Heat Shrink Tubing 6"L x .8" ID	CA1760
53	70-1000-A3448	20	GROUNDING, BOOTLEG, W/COUPLER	SBTBBU4A
54	70-1000-A1879	20	RAIL CLIP, (1-WIRE) 3/8 PERPENDICULAR, 50EA PER BOX	A248B
55	70-1000-A1880	20	RAIL CLIP, (2-WIRE) 3/8 PARALLEL, BOX = 50ea	A251
56	70-1000-A2356	2	SHUNT, COVER W/ LAG BOLTS, 19 X 19	400999-T08734
57	70-1000-A2843	2	SHUNT, FREQUENCY SELECTABLE, FSS-1B, FREQUENCIES 267, 326, 392, 452, 522, 560Hz	250849-001
58	70-1000-A1844	1	DUCT SEAL, 5LB BAG	ZB1772
59	70-1000-A1854	1	TAPE, SCOTCH® SUPER 33+ VINYL ELECTRICAL, 3/4x66FT	561185
60	70-1000-A1855	1	TAPE, SCOTCH® LINERLESS RUBBER SPLICING, 3/4x30FT	70112980
61	70-1000-A1950	6	BATTERY CELL, 2V, 264 AH	50G11
62	70-1000-A1952	7	BATTERY CELL, 2V, 368 AH	50G15
63	70-1000-A1739	2	PADLOCK, HEXAGON	030399-16X
64	70-1000-X0027	1	CANTILEVER, 18'-0" ALUM SINGLE 10" MAST, RH	54018-01
65	70-1000-X0028	1	CANTILEVER, 26'-0", ALUM SINGLE 12" MAST, LH	54026-01
66	70-1000-A2007	2	FOUNDATION, PRECAST, DIXIE, FOR CANTILEVER (UP TO 30'), 19" BOLT SPACING, 5'-10" HEIGHT	DP-4B
67	70-1000-X0029	1	HOUSE PLATFORM	0
68	70-1000-X0030	1	RETAINING WALL	0



Project Timeline

[illegible]







October 31, 2025

**RE: PROPOSED RAILROAD CROSSING IMPROVEMENT PROJECT
Benson Valley RD (DOT# 346741U)**

To Whom It May Concern:

I have been contacted by R. J. Corman Railroad Company regarding a potential railroad crossing improvement project at the crossing referenced above in Franklin County. The approximate coordinates for this crossing location are (38.209596, -84.902164), and the crossing ID is 346741U.

If there are any questions regarding this letter, please contact me.

Sincerely,

Franklin Co. Road Dept.

10-31-25