

KRCI Application

R. J. Corman Railroad Company/Memphis Line
Morgan Street (DOT# 344510E)

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 / MEMPHIS LINE		344510E	2026
ROAD NAME	ROAD MILE POINT	CROSSING LOCATION	
		CITY	COUNTY
Morgan Street	0.462	Russellville	Logan

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)
\$ 253,980.43	\$ 203,184.34	\$ 50,796.09	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 The crossing was selected due to the roadway curvature and outdated warning equipment.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
0230961	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	25	549		Memphis		
TYPICAL TRAIN SPEED AT CROSSING		# OF TRACKS AT CROSSING	RAIL MILE POINT	BRANCH/LINE NAME		
10		1	142.9	Memphis JCT		
AVERAGE DAILY TRAIN MOVEMENTS AT CROSSING		FRA TRACK CLASS AT CROSSING	TOTALS FROM PREVIOUS 5 YEARS AT CROSSING			
		Select One	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.) 2 Crossbucks (R15-1), 2 ENS (I-13), and 0 Stop Lines		
2. Describe in detail signs and markings <u>proposed</u> at crossing as part of the project. (Text is limited.) 2 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. 4 Flasher Sets, 1 Bell, and 1 Signal Cabinet		
2. Describe in detail active traffic control devices <u>proposed</u> at crossing as part of the project. 4 Flasher Sets, 2 gates, 1 Bell, and 1 Signal Bungalow		



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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		10/31/2025

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		10/31/2025

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 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 underground cables, and track wires. Two gate mechanisms with 12" LED inserts will be installed to improve visibility.

DETAILED ESTIMATE

CITY/STATE: RUSSELLVILLE, KY
MILE POST: 142.9
STATE PROJECT NO:

ROAD: MORGAN STREET
DOT: 344510E
COUNTY: LOGAN

Materials & Additives

Signal Material	\$	133,541.55
Installation Material	\$	14,430.00
Sales & Use Tax	\$	8,878.29
Freight	\$	5,500.00
Material Total	\$	162,349.85

Labor & Additives

Engineering	\$	6,868.00
Site Survey	\$	2,988.50
Shop Labor	\$	8,140.00
Mobilization	\$	3,394.20
Installation Labor	\$	45,655.92
Installation Equipment	\$	24,583.96
Flagging	\$	10,600.00
Labor Total	\$	91,630.58

PROJECT TOTAL: \$ 253,980.43

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-A3959	1	THERMOSTAT, DAYTON MFG PN 2NNR7, LINE VOLTAGE MECHANICAL THERMOSTAT: 1H/1C HEAT AND COOL	2NNR7
10	70-1000-A4246	1	ENCLOSURE, ALUMINIUM, WALL MOUNT, F/SOS-5	3A902781
11	70-1000-A4287	1	SIGNAL OVERRIDE SYSTEM, GENESIS SOS-5	16059-000
12	70-1000-A2831	2	ELECTRONICS, RECTIFIER DIODES, 8000-8A299-0006	8000-8A299-0006
13	70-1000-A3552	1	BATTERY CHARGER, HF-MAX, 12V, 2 SLOT CHASSIS, 1 IPM (20A), DISPLAY	012-02-01DAX1100
14	70-1000-A3553	1	BATTERY CHARGER, HF-MAX, 12V, 2 SLOT CHASSIS, 2 IPM (40A), DISPLAY	012-02-02DAX1100
15	70-1000-A3532	2	PLUG, TWIST LOCK, L6-20P - 20A, 250V, 3-WIRE	L620P
16	70-1000-A4179	20	WIRE, SOOW, 600V, BLACK, #12/3 CONDUCTOR (BLACK/WHITE/GREEN)	12/3 SOOW
17	70-1000-A1766	75	WIRE, THHN, #6, 19 STRANDED, GREEN	#6 THHN STR GREEN
18	70-1000-A2384	300	WIRE, CASE, #6, 600V, 19 STRAND, OKOLON - (TS-CPE), OKONITE - PN (151-12-1201)	151-12-1201
19	70-1000-A2381	1500	WIRE, CASE, #10, 600V, 19 STRAND, TC BLUE, OKONITE - PN (152-11-3038)	152-11-3038
20	70-1000-A2382	2000	WIRE, CASE, #16, 600V, 19 STRAND, TC BLUE, OKONITE - PN (151-12-9111)	152-11-3002
21	70-1000-A3792	1	WAGO, PREBUILT TERMINAL BLOCK KIT, XING TYPICAL BUS (WAGO PN: 60508055)	XING-TYP-BUS
22	70-1000-A3795	1	WAGO, PREBUILT TERMINAL BLOCK KIT, 250W SWITCH HEATER BUS (WAGO PN: 60508256)	GATE-HEATER250W-BUS
23	70-1000-A2583	2	RESISTOR, ADJUSTABLE, 0.136-1.300 OHM, 3.40A, PORCELAIN	029602-4X
24	70-1000-A2346	8	TERMINAL INSULATION BLOCK, BAKELIGHT, 1X6	023275-2
25	70-1000-A3322	44	AAR, TERMINAL BLOCK, 4-POST THRU HOLE / 3T-LIGP	NYK:023275-15X



#	Item	Qty	Description	OEM Part Number
26	70-1000-A2347	27	AAR, CONNECTOR, TEST LINK, 3-POST	024620-43X
27	70-1000-A2389	31	AAR, ARRESTOR, HD, AIR GAP, 4000-44615-001X	4000-44615-001X
28	70-1000-A1729	10	AAR, EQUALIZER, BASIC, CLEARVIEW, 44700-0000 (W/O HDW)	4000-44700-0000
29	70-1000-A1826	1	AAR, TERMINAL BLOCK, 1" CENTERS, 1X12, WITH FLAT NUT AND WASHER ONLY	9A2230
30	70-1000-A1832	11	AAR, TERMINAL BLOCK, 2-3/8" CENTERS, 1X2, WITH NUT AND WASHER ONLY	9A2233
31	70-1000-A1830	6	AAR, TERMINAL BLOCK, 1" CENTERS, 2X6, WITH NUT AND WASHER ONLY	9A2231
32	70-1000-A1835	36	AAR, CONNECTOR, TEST LINK, STRAIGHT, 1"	9A2205
33	70-1000-A1836	7	AAR, CONNECTOR, TEST LINK, STRAIGHT, 2-3/8"	9A2211
34	70-1000-A1803	30	AAR, 1" CENTER STRAP	9A2201
35	70-1000-A1810	2	AAR, CONNECTOR, FLAT STRAP, 2-3/8" CENTER, 2 HOLE	9A2201
36	70-1000-A1493	12	AAR, NUT, INSULATED	013986-000
37	70-1000-A1815	70	AAR, NUT TEST GOLD #14-24	9A2208
38	70-SRVC-A1814	350	AAR, NUT, CLAMP (FLAT), #14-24 HEX	9A2202
39	70-SRVC-A1813	700	AAR, NUT, BINDING (CROWN), BRASS, #14-24	9A2204
40	70-SRVC-A1816	700	AAR, WASHER, BEVELED, FLAT, 1/4" STUD	9A2203
41	70-1000-X0018	1	MISC. SHOP SUPPLIES FOR CROSSING 6X6 HOUSE	XNG MISC (6X6)
42	70-1000-A1739	7	PADLOCK, HEXAGON	030399-16X
43	70-1000-A2746	6	GROUNDING, ROD, 5/8" X 10'	615800
44	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
45	70-1000-A1785	150	WIRE, BARE, #6, SOLID	SW-BG-SOL6
46	70-1000-A1751	350	CABLE, UNDERGROUND, 7/C #6, ARMORED SIGNAL CABLES – OKONITE – PN 206-11-6247	206-11-6247
47	70-1000-A1745	350	CABLE, UNDERGROUND, 12/C #14, ARMORED SIGNAL CABLES – OKONITE – PN 206-11-6892	206-11-6892
48	70-1000-A1756	400	CABLE, UNDERGROUND, TRACK, 2/C #6, 600V, OKOLENE DUPLEX - RED/BLACK, OKONITE - PN (150-12-3933)	150-12-3933
49	70-1000-A1757	400	CABLE, UNDERGROUND, 3/C #2 WITH #6 GRD, ARMORED SIGNAL CABLES – OKONITE – PN 206-11-6130	206-11-6130
50	70-1000-A1885	500	WIRE, BONDSTRAND, INSULATED 0.063", ORANGE, 500 FT	SBS8LINSORG



#	Item	Qty	Description	OEM Part Number
51	70-1000-A1084	100	HOSE, RUBBER, 5/8", RED (on 500-ft spools only)	810-083004-070
52	70-1000-A1085	100	HOSE, RUBBER, 5/8", BLACK	HOSE, RUBBER, BLACK
53	70-1000-A3114	20	STAPLE 2" X 1-1/16" X .187" COPPERCLAD - DIAMOND POINT	D2090187C
54	70-1000-A2477	2	TRACK CONNECTION, FLOWER POT, 10" W X 12" H	111BC
55	70-1000-A1847	10	GROUNDING, SLEEVE, REDUCING, 3/16" BONDSTR TO #6 SOLID	BA2367
56	70-1000-A3449	10	Heat Shrink Tubing 6"L x .8" ID	CA1760
57	70-1000-A3448	20	GROUNDING, BOOTLEG, W/COUPLER	SBTBBU4A
58	70-1000-A1879	20	RAIL CLIP, (1-WIRE) 3/8 PERPENDICULAR, 50EA PER BOX	A248B
59	70-1000-A1880	20	RAIL CLIP, (2-WIRE) 3/8 PARALLEL, BOX = 50ea	A251
60	70-1000-A2356	2	SHUNT, COVER W/ LAG BOLTS, 19 X 19	400999-T08734
61	70-1000-A2843	2	SHUNT, FREQUENCY SELECTABLE, FSS-1B, FREQUENCIES 267, 326, 392, 452, 522, 560Hz	250849-001
62	70-1000-A1844	1	DUCT SEAL, 5LB BAG	ZB1772
63	70-1000-A1854	1	TAPE, SCOTCH® SUPER 33+ VINYL ELECTRICAL, 3/4x66FT	561185
64	70-1000-A1855	1	TAPE, SCOTCH® LINERLESS RUBBER SPLICING, 3/4x30FT	70112980
65	70-1000-A1950	6	BATTERY CELL, 2V, 264 AH	50G11
66	70-1000-A1952	7	BATTERY CELL, 2V, 368 AH	50G15
67	70-1000-A2000	2	SIGNS, CROSSING, EMERGENCY NOTIFICATION, 9"x12", HI-INTENSITY	RJC-ENS-1
68	70-1000-A2042	2	SIGN, GRADE CROSSING (CROSSBUCK) 48"x9", RAISED BACK EXTRUSION, HIGH INTENSITY PRISMATIC	S-R15-1-RB
69	70-1000-A2803	2	FOUNDATION, GALVANIZED, PYRAMID, TCR, 48" HEIGHT, W/ SCHEDULE 40 HRS PIPE, 15001-01	15001-01
70	70-1000-A3063	2	BRACKET ASSY, NEG, 5" AAR BRACKET, ENS MOUNTING KIT W/ 10.5" EXTENSIONS	S-AAR-5-105-CN1
71	70-1000-A3261	2	GATE MECHANISM, WCH, 3597-131, 110V AC HEATER, CONDUIT, FITTINGS, MOUNTING HARDWARE	3597-131-H-MI
72	70-1000-A2920	2	GATE MECHANISM SUPPORT BRACKET, WCH, (ENABLE MECHANISM ROTATION ON MAST)	3565-396
73	70-1000-A2690	2	GATE MECHANISM, GENERAL, GATE KEEPER, 2-WAY, EZ FLEX GATE	SK-1000-2WFLEX
74	70-1000-A3858	2	MAST, ALUMINUM, WCH, 5", 16', FOR DOUBLE -SIDED JUNCTION BASE	715-24-3
75	70-1000-A2753	2	JUNCTION BOX BASE (FOR 5" MAST), WCH, ALUMINUM, DOUBLE-SIDED, 48 TERMINALS	2149-A-112-E



Project Timeline

TASK	DURATION	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
Boring for underground control cable.	2 Days								
Dismantle and remove existing signal control shelter and signal appliances. Unload new replacement material and secure at construction site.	1 Day								
Install new signal control shelter and signal appliance foundations and begin digging trenches for underground control cables.	1 Day								
Continue to install underground signal control cables. Strip control cables and insert in control shelter. Install standby	1 Day								
Install House Platform and place house on it.	1 Day								
Make necessary track connections and tune the train detection device for burn in period and operation monitoring. Place signal masts on foundations.	1 Day								
Meg test all control cables and hookup. Perform pickup/drop away value tests on all relays. Install camera/recorder system. Apply, adjust and align signal light units.	1 Day								
Apply rock around all signal appliances. Clean area of work performed. Perform all necessary operational tests of signal warning system. Record all tests performed on necessary FRA/RJC forms.	1 Day								





REPORT PROBLEM
OR EMERGENCY

1-877-533-6913

X-ING 344510E

RJ Corman F142.9





**COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET**

Andy Beshear
GOVERNOR

Department of Highways, District 3 Office
900 Morgantown Road
Bowling Green, KY 42101
270-746-7898

Jim Gray
SECRETARY

October 31, 2025

**RE: PROPOSED RAILROAD CROSSING IMPROVEMENT PROJECT
Morgan Street (DOT# 344510E)**

To Whom It May Concern:

KYTC District 3 has been contacted by R. J. Corman Railroad Company regarding a potential railroad crossing improvement project at the crossing referenced above in Logan County. The approximate coordinates for this crossing location are (36.8529950, -86.8851820), and the crossing ID is 344510E.

If there are any questions regarding this letter, please contact this office at 270-746-7898.

Sincerely,

A handwritten signature in black ink that reads "Sarah B. Payton".

Sarah B. Payton, P.E.
502-764-2085
D3 Permit Section Supervisor