



KENTUCKY RAILROAD CROSSING IMPROVEMENT (KRCI) APPLICATION

SECTION 1: PROJECT OVERVIEW

APPLICANT NAME		DOT CROSSING #	APPLICATION YEAR
Westlake Corporation		925649T	2023
ROAD NAME	ROAD MILE POINT	CROSSING LOCATION	
		CITY	COUNTY
KY 1523	5.7	Calvert City	Marshall

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)
\$ 192,146.54	\$ 153,717.23	\$ 38,429.31	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.)

This crossing serves the chlorine plant at the Westlake Monomers Calvert City, KY facility. The road at which it intersects is KY 1523 "Industrial Parkway." This crossing was selected because it has excessively wide gage, subgrade, and track surface issues. The reconstruction of this crossing would benefit three primary stakeholders: Westlake Corporation, Paducah and Louisville Railway, and the commuters who travel this road daily. The proposed work is a full track reconstruction, road approach renewal, and surface upgrade to full depth concrete. The project scope also includes the renewal of a broken concrete pipe under the track at the North approach.

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 603 KAR 7:090 Compliant <input type="checkbox"/> Y <input type="checkbox"/> N Eligible Applicant <input type="checkbox"/> Y <input type="checkbox"/> N	Match %: _____ Road ADT: _____	KRCI Award Amount: _____ KRCI Award Date: _____



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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
1120570	A-Active	G-Good

PRIMARY CONTACT INFORMATION

NAME & TITLE	PHONE	EMAIL	
Ronnie Colley	270-205-5107	rcolley@westlake.com	
MAILING ADDRESS	CITY	STATE	ZIP
2468 Industrial Parkway	Calvert City	KY	42029

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

SIGNATORY NAME & TITLE	PHONE	EMAIL	
Tim Vaughn	270-395-3836	tvaughn@westlake.com	
MAILING ADDRESS	CITY	STATE	ZIP
2468 Industrial Parkway	Calvert City	KY	42029

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	55	1462	Paducah and Louisville Railway		
TYPICAL TRAIN SPEED AT CROSSING	# OF TRACKS AT CROSSING	RAIL MILE POINT	BRANCH/LINE NAME		
10	1	210	Calvert City Complex		
AVERAGE DAILY TRAIN MOVEMENTS AT CROSSING	FRA TRACK CLASS AT CROSSING	TOTALS FROM PREVIOUS 5 YEARS AT CROSSING			
6	Class 1	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
N/A	84 feet	Full Depth Rubber		115RE
SURFACE CONDITION	VISIBLE TIE CONDITION	APPROACH CONDITION	DRAINAGE CONDITION	
Fair	Poor	Fair	Poor	

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 type="checkbox"/>

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

2. Describe in detail active traffic control devices proposed at crossing as part of the project.



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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
Ronnie Colley, Logistics Services Supervisor		6/15/23

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
Ronnie Colley, Logistics Services Supervisor		6/15/23

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.



PROPOSAL

2/3/2023

OWNER INFORMATION		CONTRACTOR INFORMATION	
Company	Westlake Chemical (Monomer's)	Company	Track Tech, Inc.
Contact Name	Tim Vaughn	Contact Name	Clint Johnson
Address	2468 Industrial Parkway	Address	5109 Industrial Parkway
City, State, ZIP	Calvert City, KY 42029	City, State, ZIP	Calvert City, KY 42029
Phone		Phone	270.395.0770
Cell Phone		Cell Phone	270.205.1699
Email		Email	clint@tracktech.us

Project Name	925649T - Industrial Parkway (Chlorine Plant)
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Scope of Work

<p><u>Chlorine Crossing</u> Build 120' track panel utilizing 240 LF of NEW 115RE rail/OTM and 78 Ea. 10' ties. Furnish and install 2 Ea. thermite welds.</p> <p>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 and remove existing concrete drainage pipe. Excavate fouled ballast to hardpan. Furnish and install new 18" precast concrete pipe. Install track panel. Furnish and install 4 Ea. sets of 115RE bars. Furnish and install number 4 ballast (200 tons) and DGA (50 tons). Surface track panel with HARSCO Mark IV HD production tamper. Regulate ballast and broom finish track.</p> <p>Furnish and install 89.375' track feet of OMNI full depth concrete crossing surface. Furnish and install asphalt base and surface course.</p>
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Cost Analysis

Classification	Cost
Track Tech Labor	\$20,710.00
Track Tech Equipment	\$24,256.00
P&L Railway Labor	\$5,216.00
P&L Railway Equipment	\$1,570.00
Asphalt Labor and Equipment	\$15,000.00
Detour Routing, Permitting, and Striping	\$10,000.00
Mobilization, Hotels, and Per Diem	\$2,784.00



PROPOSAL

2/3/2023

Materials	Units	Quantity	Unit Cost	Total Cost
Full-Depth OMNI Concrete Crossing Panels for 115RE	Track Feet	89.375	\$526.35	\$47,042.53
115RE Rail	80' Sticks	3	\$4,840.00	\$14,520.00
10' Ties	Ea.	78	\$145.20	\$11,325.60
5.5" Tie Plates	Ea.	156	\$16.94	\$2,642.64
115RE Angle Bars	Pair	4	\$211.75	\$847.00
Spikes	Kegs	7	\$163.35	\$1,143.45
Anchors	Ea.	412	\$4.84	\$1,994.08
Bolts	Ea.	24	\$7.26	\$174.24
Ballast	Tons	200	\$42.35	\$8,470.00
DGA	Tons	50	\$30.25	\$1,512.50
Geotextile Fabric	Ea.	1	\$605.00	\$605.00
Field Welds	Ea.	2	\$242.00	\$484.00
18" ID Precast Concrete Pipe	LF	60	\$42.50	\$2,550.00
6" CMP	LF	100	\$24.20	\$2,420.00
Asphalt	Tons Delivered	93	\$181.50	\$16,879.50
Grand Total				\$192,146.54

Exclusions

Proposal is turnkey and has been figured according to P&L (CSX) and KTC specs.
Asphalt quantities have been determined based on a maximum 20' asphalt 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 \$192,146.54.



Crossing Schedule			Week 1							Week 2						
			0	1	2	3	4	5	6	7	8	9	10	11	12	13
TASK	START	END	S	M	T	W	T	F	S	S	M	T	W	T	F	S
Final Material Delivery	1	1		■												
Distribute Materials and Mobilization	2	2			■											
Weld Rails and Build Track Panel	3	4				■	■									
Install Track Panel	8	8										■				
Install Concrete and Base Asphalt	9	9											■			
Install Surface Asphalt	10	10												■		
Demobilization	10	10													■	
Road Closure	8	10										■	■	■		







COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET

Department of Highways, District 1 Office
5501 Kentucky Dam Road
Paducah, KY 42003
270-898-2431

Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

Crossing Improvement Letter

Re: Consultation Letter for Westlake Corporation
Crossing Improvements Marshall Co, KY

To whom it may concern:

KYTC – D1 has been contacted by Track Tech, Inc. regarding crossing surface improvements for Westlake Corporation. Westlake is seeking funding through the KYTC-KRCI. KYTC – D1 supports the proposed improvements at Various locations on KY 1523 in Marshall Co and will coordinate with Track Tech and Westlake to execute these improvements.

Sincerely,

Everett Wilson, PE
PD&P Branch Manager