



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

**SECTION 1: PROJECT OVERVIEW**

<b>APPLICANT NAME</b>	<b>DOT CROSSING #</b>	<b>APPLICATION YEAR</b>
CSX Transportation, Inc.	346 284P	2021

<b>ROAD NAME</b>	<b>ROAD MILE POINT</b>	<b>CROSSING LOCATION</b>	
		<b>CITY</b>	<b>COUNTY</b>
Ky 699	10.09	Daisy	Perry

**PROJECT TYPE**

- Crossing Rehab  
 Full Crossing Renewal (ADT > 1000)
  Crossing Safety  
 Select One
  Obstructive Vegetation Removal

<b>TOTAL PROJECT COST</b>	<b>KRCI FUNDING REQUESTED</b>	<b>APPLICANT MATCH</b>	<b>APPLICANT MATCH % (20% Minimum)</b>
\$ 88,467	\$ 70,773.6	\$ 17,693.4	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.)

This Railroad crossing is located on KY 699 at Mile Point 10.09. KY 699 is a major collector route that serves southern part of the Perry County, and is the only route accessing the Leatherwood Elementary School. This area also has active coal mining operation and this route is heavily used by fully-loaded coal trucks to transport coal to other part of the state. This project will address railroad crossing safety and deteriorating crossing conditions at the subject location by remove and replace existing crossing with concrete panels.

**FOR KYTC USE ONLY**

Date Received: _____  Y N Application Complete <input type="checkbox"/> <input type="checkbox"/> 603 KAR 7:090 Compliant <input type="checkbox"/> <input type="checkbox"/> Eligible Applicant <input type="checkbox"/> <input type="checkbox"/>	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
0150867	A-Active	G-Good

**PRIMARY CONTACT INFORMATION**

NAME & TITLE	PHONE	EMAIL		
Troy Creasy, Project Manager II	804-226-7718	Troy_Creasy@csx.com		
MAILING ADDRESS	CITY		STATE	ZIP
4900 Old Osborne Turnpike, Suite 200	Richmond		VA	23231

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

SIGNATORY NAME & TITLE	PHONE	EMAIL		
Tony Bellamy, Director, Project Management	904-359-7601	Tony_Bellamy@csx.com		
MAILING ADDRESS	CITY		STATE	ZIP
500 Water Street	Jacksonville		FL	32202

**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
1	55	1638		CSX - Southern West
TYPICAL TRAIN SPEED AT CROSSING	# OF TRACKS AT CROSSING	RAIL MILE POINT		BRANCH/LINE NAME
10	1	261.7		Rockhouse - Leatherwood Branch
AVERAGE DAILY TRAIN MOVEMENTS AT CROSSING	FRA TRACK CLASS AT CROSSING	TOTALS FROM PREVIOUS 5 YEARS AT CROSSING		
2/WK	Excepted	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
Unknown	24 feet	Blacktop		Unknown
SURFACE CONDITION	VISIBLE TIE CONDITION	APPROACH CONDITION	DRAINAGE CONDITION	
Poor	Poor	Fair	Good	

**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	0 inches	Taper 1	Taper 2
		12.5 feet	12.5 feet

**REPLACEMENT CROSSING SURFACE:** Pre-cast concrete panel

**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.



**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
Troy Creasy		4/28/2021

**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
Troy Creasy		4/28/2021

**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.



CONCRETE PANEL

VIPER

SLEMP  
KY 699

ASPHALT APPROACH

ASPHALT APPROACH



NOT TO SCALE

ROADWAY ALIGNMENT TO REMAIN THE SAME

RAILROAD CROSSING AERIAL PHOTO

PERRY COUNTY  
KY 699 MILE POINT 10.09  
RR CROSSING 346 284P



EXISTING CONDITIONS



EXAMPLE OF NEW CROSSING  
WITH CONCRETE PANEL

RAILROAD CROSSING PICTURE

PERRY COUNTY  
KY 699 MILE POINT 10.09  
RR CROSSING 346 284P

ESTIMATE SUBJECT TO REVISION AFTER:

4/22/2022

DOT NO.: 346 284P

CITY: Slemp (Daisy)

COUNTY: Perry

STATE: KY

DESCRIPTION: Crossing surface renewal for KY 699

ZONE: Southern West

SUB-DIV: Rockhouse - Leatherwood Br

MILEPOST: 0LF-261.65

DRAWING NO.: \_\_\_

DRAWING DATE: \_\_\_

AGENCY PROJECT NUMBER:

**PRELIMINARY ENGINEERING:**

Contracted & Administrative Engineering Services	\$	1,500
<b>Subtotal</b>	<b>\$</b>	<b>1,500</b>

**CONSTRUCTION ENGINEERING/INSPECTION:**

Contracted & Administrative Engineering Services	\$	3,500
<b>Subtotal</b>	<b>\$</b>	<b>3,500</b>

**FLAGGING SERVICE: (Contract Labor)**

Labor (Conductor-Flagman)	0	Days @	\$ 350.00	\$	-
Labor (Foreman/Inspector)	0	Days @	\$ 504.00	\$	-
Additive	161.00%	(Transportation Department)		\$	-
Additive	170.00%	(Engineering Department)		\$	-
<b>Subtotal</b>				<b>\$</b>	<b>-</b>

**COMMUNICATIONS WORK:**

Temporary (Details Attached)	\$	-
Permanent (Details Attached)	\$	-
<b>Subtotal</b>	<b>\$</b>	<b>-</b>

**TRACK: LABOR**

Traffic Control	4	MAN-HRS	\$ 42.00	\$	168
Remove Existing Crossing	32	MAN-HRS	\$ 42.00	\$	1,344
Construct Panel	48	MAN-HRS	\$ 42.00	\$	2,016
Install Panel	24	MAN-HRS	\$ 42.00	\$	1,008
Install OTM	0	MAN-HRS	\$ 42.00	\$	-
Install Field Welds	20	MAN-HRS	\$ 42.00	\$	840
Install Geo-Textile Fabric	0	MAN-HRS	\$ 42.00	\$	-
Install Sub-Drains	12	MAN-HRS	\$ 42.00	\$	504
Install Ballast	24	MAN-HRS	\$ 42.00	\$	1,008
Line and Surface	20	MAN-HRS	\$ 42.00	\$	840
Install Crossing Materials	105	MAN-HRS	\$ 42.00	\$	4,410
Install Bituminous Pavement	24	MAN-HRS	\$ 42.00	\$	1,008
	0	MAN-HRS	\$ 42.00	\$	-
	0	MAN-HRS	\$ 42.00	\$	-
	0	MAN-HRS	\$ 42.00	\$	-
Clean-Up	16	MAN-HRS	\$ 42.00	\$	672
Additive	170.00%			\$	23,491
Per Diem	33	MAN-DAY	\$ 90.00	\$	2,970
<b>Subtotal</b>				<b>\$</b>	<b>40,279</b>

**TRACK: MATERIAL**

Cross Ties, Main Line	0	EA	\$ 44.00	\$	-
	0	EA	\$ -	\$	-

Cross-tie - Borate	<u>0</u>	EA	\$ 56.00	\$	-
Crossties, 10' Length	<u>47</u>	EA	\$ 55.00	\$	2,585
Tie plates	<u>94</u>	EA	\$ 10.51	\$	988
Rail, 136RE, New	<u>140</u>	LF	\$ 21.00	\$	2,940
Misc. OTM	<u>1</u>	LOT	\$ 2,000.00	\$	2,000
Geo-Textile Fabric	<u>0</u>	RL	\$ 930.00	\$	-
Sub-Drains	<u>84</u>	LF	\$ 6.00	\$	504
Ballast - Car load	<u>70</u>	NT	\$ 12.00	\$	840
Ballast - Trucked in	<u>0</u>	NT	\$ 45.00	\$	-
Field Welds	<u>4</u>	EA	\$ 100.00	\$	400
	<u>0</u>		\$ -	\$	-
	<u>0</u>		\$ -	\$	-
Concrete Full Width	<u>42</u>	TF	\$ 250.00	\$	10,500
Concrete/Rubber Xing (CSX)	<u>0</u>	TF	\$ 200.00	\$	-
Rubber Crossing, Full Depth	<u>0</u>	TF	\$ 325.00	\$	-
Rubber/Asphalt Crossing (CSX Standard)	<u>0</u>	TF	\$ 80.00	\$	-
Bituminous Material	<u>0</u>	NT		\$	-
Sales Tax on Material			6.00%	\$	1,245
Material Handling			15.00%	\$	3,114
<b>Subtotal</b>				<b>\$</b>	<b>25,116</b>

**CONTRACT:**

Asphalt Paving (In Place)	<u>30</u>	NT	\$ 210.00	\$	6,300
Disposal of Waste Materials	<u>70</u>	TF	\$ 15.00	\$	1,050
Maintenance of Traffic	<u>2</u>	DAY	\$ 350.00	\$	700
<b>Subtotal</b>				<b>\$</b>	<b>8,050</b>

**EQUIPMENT RENTAL:**

CSX vehicle and equipment rental included in overhead percentage				\$	-
<b>Subtotal</b> Use for extraordinary rental or unique Service Contract				<b>\$</b>	<b>-</b>

**WORK TRAIN:**

	<u>0</u>	DAY	\$ 2,100.00	\$	-
<b>Subtotal</b>				<b>\$</b>	<b>-</b>

**SALVAGE:**

Rail	<u>3.17</u>	NT	\$ 65.00	\$	(206)
OTM	<u>1.12</u>	NT	\$ 75.00	\$	(84)
<b>Subtotal</b>				<b>\$</b>	<b>(290.05)</b>

**SIGNAL WORK:**

Material - Field & Consumables				\$	100
Material - Sales Tax				\$	6
Material - Shop				\$	-
Construction Labor				\$	672
Shop Labor				\$	-
Per Diem				\$	-
RR Engineering,Preliminary				\$	-
RR Engineering,Construction				\$	-
Additives to Construction Labor				\$	1,492
Additives to Shop Labor				\$	-
Additives to Engineering				\$	-
Equipment Expense				\$	-
Waste Management				\$	-
Contract Engineering				\$	-
Freight				\$	-
AC Power Service				\$	-
Salvage				\$	-
Other				\$	-

<b>Subtotal</b>		<b>\$ 2,270</b>
<b><u>PROJECT SUBTOTAL:</u></b>		<b>\$ 80,424</b>
<b><u>CONTINGENCIES:</u></b>	10.00%	\$ 8,042
<b><u>PROJECT TOTAL:</u></b>	*****	<b>\$ 88,467</b>
<b><u>CURRENT AUTHORIZED BUDGET:</u></b>	*****	\$ -
<b><u>TOTAL SUPPLEMENT REQUESTED:</u></b>	*****	<b>\$ 88,467</b>

**DIVISION OF COST:**

Agency	<a href="#">100.00%</a>	\$ 88,467
Railroad	<a href="#">0.00%</a>	\$ -

**NOTE: Estimate is based on FULL CROSSING CLOSURE during work by Railroad Forces.**

This estimate has been prepared based on site conditions, anticipated work duration periods, material prices, labor rates, manpower and resource availability, and other factors known as of the date prepared. The actual cost for CSXT work may differ based upon the agency's requirements, their contractor's work procedures, and/or other conditions that become apparent once construction commences or during the progress of the work

Office of Director - CSXT Public Projects, Jacksonville, Florida

Estimated prepared by: WB/Benesch  
DATE: [04/22/21](#)      REVISED:

Approved by: **TJC**  
DATE: [04/22/21](#)

Project Manager - Public Projects



COMMONWEALTH OF KENTUCKY  
TRANSPORTATION CABINET  
transportation.ky.gov

Andy Beshear  
GOVERNOR

Jim Gray  
SECRETARY

Mr. Edgeworth,  
Kentucky Transportation Cabinet District 10 Office has been in contact with CSX Transportation regarding three railroad crossing in the District that need to be addressed due to deteriorating conditions at these three crossings.

Perry County KY 699 RR crossing at MP 10.09  
Perry County KY 699 RR crossing at MP 7.71  
Estill County KY 1571 RR crossing at MP 3.07

District 10 Office concur and support CSX Transportation's proposal to replace these three railroad crossings and replace with concrete panels.

Please feel free to contact us if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Corbett Caudill".

Corbett Caudill  
KYTC District 10 Chief District Engineer

## Road Crossing Renewal – Scope of Work

Roadway: KY 699

DOT #: 346 284P MP: OLF-261.65

1. To renew the road crossing, CSX will order all track materials from their approved vendors. Different material items require different lead times for delivery.
2. When the materials are on site, CSX will have a 5-6 man team construct a track panel near the work location.
3. The day of the crossing work, CSX will have a vendor supply road crossing closure signs. Roadway will be out of service for 2-3 days.
4. Day 1, a 5-6 man team will be on site to renew the crossing. They will remove the old crossing materials, remove the track, remove the old contaminated ballast, grade down to the hard pan (1' below the bottom of tie location), install the track panel, install the new sub drains, install new ballast, and another 2 man surfacing team, operating specialized equipment, will line and surface the track.
5. In addition, to the CSX track team and the surfacing team, a CSX Signal Maintainer will be on site to reconnect any signal wires to the new rails and install jumper wires around the joint bars to maintain connectivity of the track signal.
6. Day 2, The 2-man surfacing team will line and surface the track again after enough tonnage trains pass over the tracks in a 24 hour period. This ensures the track is properly seated in its alignment.
7. Day 2-3, begin installing the full depth concrete panels with the 5-6 man work team.
8. Day 2-3, have an asphalt contractor deliver and install asphalt between the track and on the roadway approaches. CSX will supervise asphalt Contractor activities.
9. Once the roadway is placed back into service, the Signage Contractor will remove the signs and the roadway will be open to vehicular traffic.
10. When a welding team is working in the subdivision (area), a 2-man team will install field welds for all locations where the rails were cut (4 locations). The welding team should be able to install 4/welds a day.
11. Over the next week or two, the CSX Track Supervisor will assign a 2-man team to remove construction debris from the property.

Work Description	Material	Material Quantity	Labor Quantity	Duration
Order track/crossing materials	Cross ties -10'	47 EA		2 weeks lead time for track items/ 4 weeks for crossing surface / 60 days for rail
	Tie plates	94 EA		
	136 RE Rail	140 LF		
	Sub drains	84 LF		
	OTM (bolts, spikes, clips, joint bars)	1 Lot		
	Ballast Stone	70 NT		
	Field Welds	4 EA		
	Crossing Surface – Full Width	42 TF		
	Concrete			

Construct track panel off-line near work location			48 man hrs	1 day
Traffic control – have outside Agency to provide and furnish signage			2 man hrs	Day 1 – road out of service
Remove existing crossing and track, cut out old ballast, grade to hard pan			32 man hrs	Day 1 – road out of service
Install sub drains			12 man hrs	Day 1 – road out of service
Install track panel, bolt track panel into place			24 man hrs	Day 1 – road out of service
Install Ballast			24 man hrs	Day 1 – road out of service
Line and surface tracks – 1 <sup>st</sup> pass			10 man hrs	Day 1 – road out of service
CSX Signal Maintainer – check connections and reinstall wiring as needed.	Signal connection materials and connection devices	1 Lot	10 man hrs	Day 1 – road out of service
Line and surface tracks – 2 <sup>nd</sup> pass and after acceptable amount of tonnage trains passes the area			10 man hrs	Day 2 – road out of service
Install Crossing surface materials on both tracks			105 man hrs	Day 2 & 3 – road out of service
Install Asphalt in roadway	Asphalt	30 NT	24 man hrs	Day 3 – road out of service
Traffic Control – have outside Agency remove closure signage			2 man hrs	Day 3
Install field welds – CSX welds all track areas previously cut to install track panel			20 man hrs	1 day
Remove construction debris from site (ties, rail, old crossing materials, asphalt)			16 man hrs	1 day



# Ky 699

Slemp, Estill Co., KY

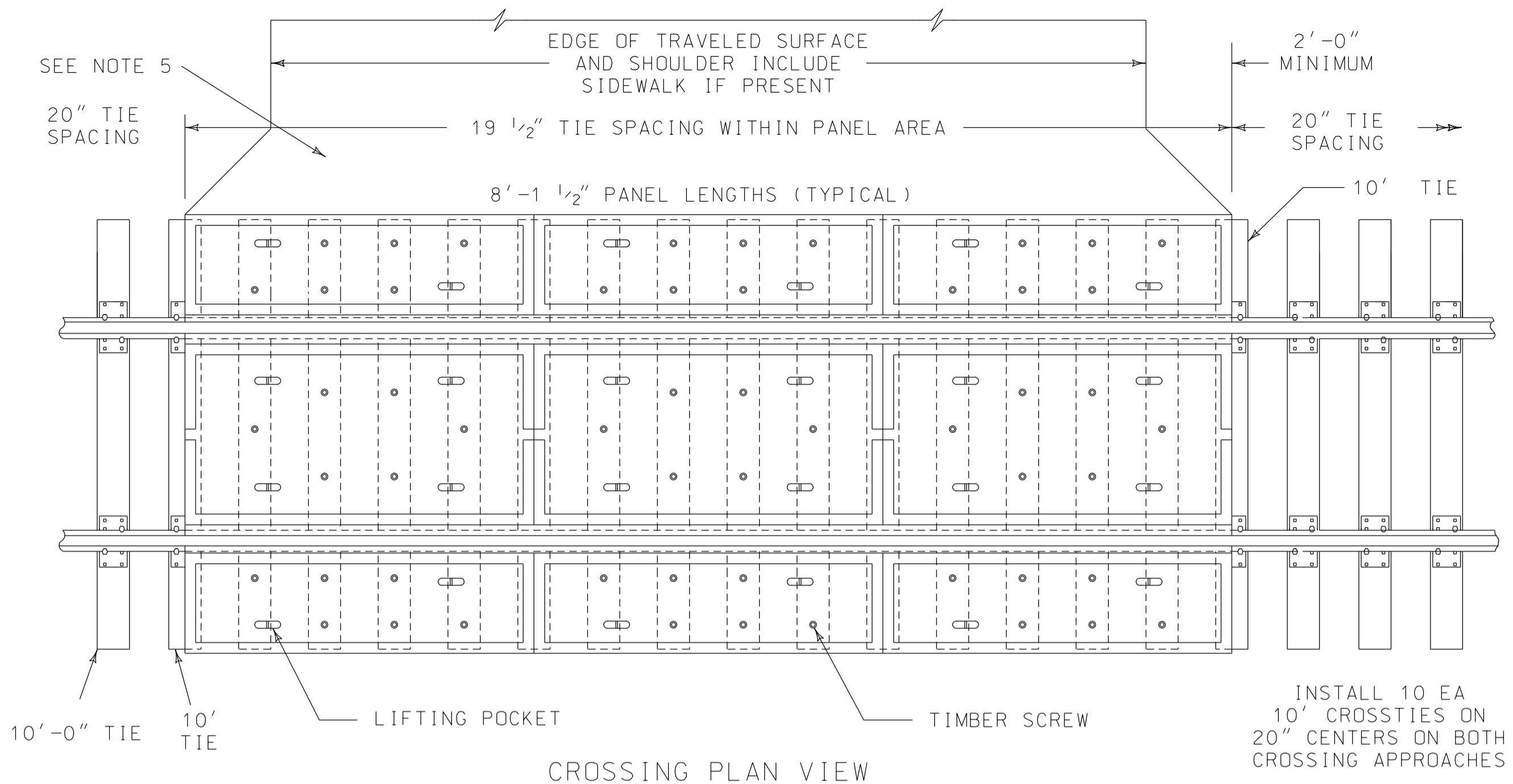
DOT# 346 284P / CSX Milepost 0LF-261.65

Project Start:

Display Week:

TASK	ASSIGNED TO	PROGRESS	START	END	Jul 26, 2021							Aug 2, 2021							Aug 9, 2021							Aug 16, 2021							Aug 23, 2021							Aug 30, 2021							Sep 6, 2021							Sep 13, 2021													
					26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19							
					M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
<b>PRECONSTRUCTION - Order Track Materials</b>																																																																			
Track Materials	CSX		6/1/21	6/15/21																																																															
Crossing Surface	CSX		6/1/21	6/30/21																																																															
Rail	CSX		6/1/21	7/30/21																																																															
<b>CONSTRUCTION - Renewal Crossing Materials</b>																																																																			
Construct track panel	CSX		8/2/21	8/6/21																																																															
Close Roadway - Renew Crossin	CSX		8/9/21	8/11/21																																																															
Clean Construction Debris	CSX		8/16/21	8/16/21																																																															
Install field welds	CSX		8/23/21	8/23/21																																																															

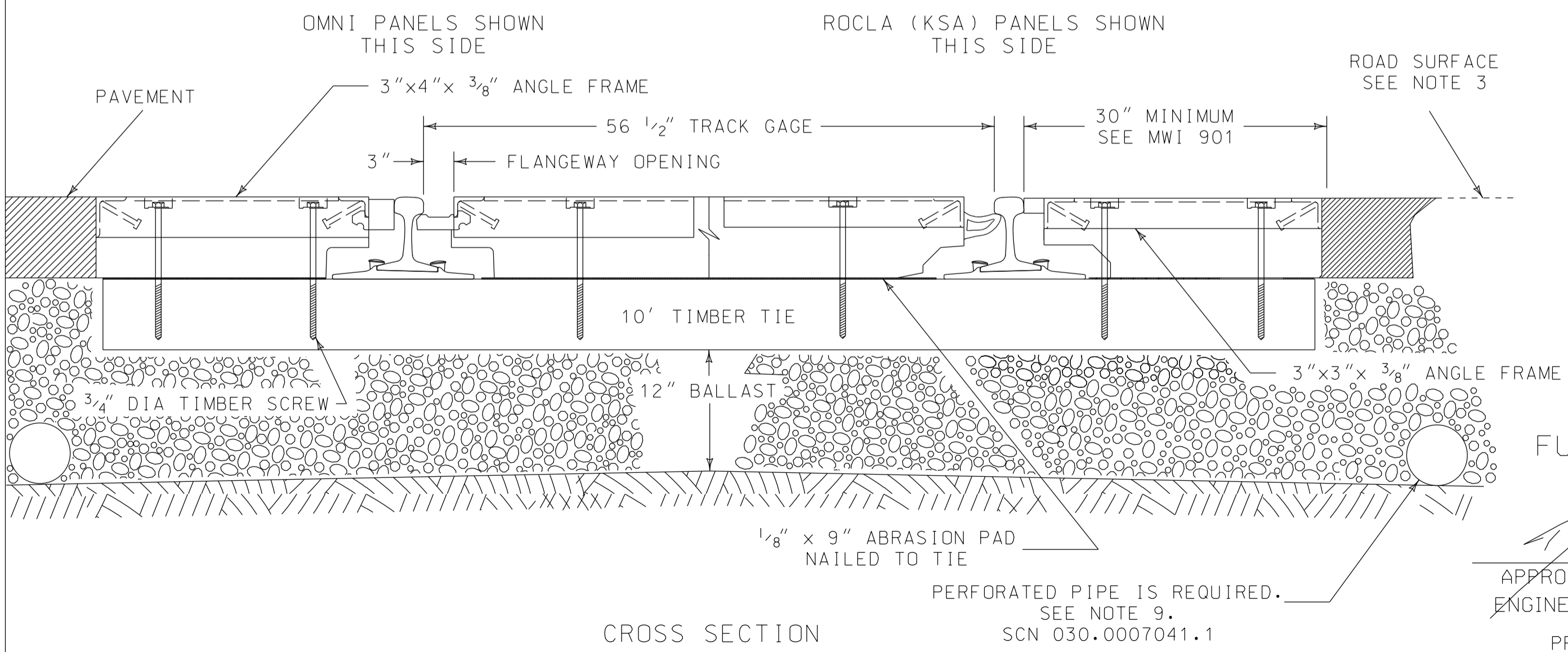
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CROSSING PLAN VIEW

NOTES

1. MWI 901 (LASTEST REVISION) IS TO BE USED IN CONJUNCTION WITH THIS DRAWING.
2. FOR NEW CONSTRUCTION, HIGHWAY SHOULD INTERSECT RAILROAD AT OR NEARLY RIGHT ANGLES.
3. FOR NEW CONSTRUCTION, HIGHWAY SURFACE SHOULD NO BE MORE THAN 3 IN. HIGHER OR LOWER THAN TOP OF NEAR RAIL 30 FT. FROM THE RAIL ALONG THE ROAD CENTERLINE, UNLESS TRACK SUPERELEVATION DICTATES OTHERWISE.
4. USE STATE DOT SPECIFICATIONS FOR BITUMINOUS CONCRETE AND SPRAY TACK COAT FOR THE STATE IN WHICH THE CROSSING IS LOCATED.
5. CROSSING SHOULD BE CONTINUOUS BETWEEN ROADWAY OR SIDEWALK EDGES. IF NOT PRACTICABLE, DRAINAGE MUST BE PROVIDED BETWEEN PAVED AREAS TO ELIMINATE WATER POCKETS.
6. SLOPE PAVING TO RETURN TO ORIGINAL PAVEMENT SURFACE. LENGTH OF TRANSITION WILL DEPEND ON LOCAL CONDITIONS. USE A RUNOFF OF 1 IN. PER 10 FT. WHERE PRACTICABLE.
7. IF ROADBED STABLIZATION IS REQUIRED, EXTEND IT 10 FT. BEYOND EDGE OF CROSSING UNDER TRACK.
8. APPROXIMATE WEIGHT FOR 136RE MATERIALS:  
3,200 LBS. - CONCRETE CENTER PANEL  
1,700 LBS. - CONCRETE FIELD PANEL
9. PERFORATED PIPE TO BE SIZED AND LOCATED FOR SITE CONDITIONS. USE 4" MIN. DIA. PIPE AND LOCATE AT LEAST 12" BEYOND END OF TIE.
10. INSTALL 10 EA 10 FT. CROSSTIES EITHER SIDE OF CROSSING. INSTALL 10 FT. CROSSTIES 20" CENTER-TO-CENTER.



CROSS SECTION

ORDERING INFORMATION		
ITEM NO.	RAIL WGT.	DESCRIPTION
014-5250300	115 - 122	CROSSING, CONCRETE PANELS, HEAVY DUTY, FOR 10 FT. WOOD TIES. ORDER BY "TRACK FEET" IN APPROX. 8 FT. INCREMENTS. EACH 8'-1 1/2" SECTION INCLUDES 1 CONCRETE CENTER AND 2 CONCRETE FIELD PANELS WITH RUBBER FILLERS.
014-5250305	132 - 136	
014-5250310	141	



HEAVY DUTY ROAD CROSSING  
FULL WIDTH CONCRETE ON WOOD TIES

*[Signature]*  
APPROVED - DIRECTOR  
ENGINEERING STANDARDS

*[Signature]*  
APPROVED - CHIEF ENGINEER  
ENGINEERING SERVICES

PREPARED BY:  
M. E. AUSTIN

ISSUED: DECEMBER 12, 2002  
REVISED: NOVEMBER 22, 2016

SCN 030.0007041.1