

PROJECT INFORMATION HANDOUT

FOR

**RAIL CROSSING SAFETY STUDY
FROM REPUBLIC TO MARIONVILLE**

CITY OF REPUBLIC, MISSOURI
Community Center
711 E. Miller Rd., Republic, MO 65738



PUBLIC LISTENING SESSION NO. 3

**April 5th, 2018
4:30 PM – 6:30 PM**

RAIL CROSSING SAFETY STUDY

Project Information Handout

April 5, 2018

PROJECT TEAM

- Lead Agency: MoDOT Multi-Modal Department
- Prime Consultant: Crawford, Murphy & Tilly, Inc.
- Agency Partners: MoDOT SW District Office
BNSF Railway

PROJECT SCHEDULE

- **March 2017** – Team Started Study Efforts
 - **April 2017** – Hold Public Listening Sessions
 - **May 2017** – Submit Draft Report to MoDOT
 - **June 2017** – Hold Public Listening Sessions
 - **July 2017** – Finalize Study & Public Info Meetings
- SCHEDULE WAS EXTENDED TO INCLUDE REPUBLIC, MO**

PROJECT FUNDING

- There currently is no funding identified to make any improvements to the rail crossings. However, once the study is complete and the potential projects are prioritized, MoDOT will work with the Railroads and the Federal Railroad Administration for possible cost-share agreements and federal grants, respectively, to help fund the projects.

LOCAL AGENCIES WITHIN STUDY LIMITS

- Greene County, MO
- Christian County, MO
- Lawrence County, MO
- City of Republic, MO
- City of Billings, MO
- City of Logan, MO
- City of Marionville, MO
- Buck Prairie Special Road District (Lawrence County)
- Billings Special Road District (Christian County)
- Republic Police Department
- Billings Police Department
- Marionville Police Department
- Republic Fire Department
- Billings Fire Protection District
- Marionville Fire Department
- Republic School District
- Billings R-IV School District
- Marionville R-9 School District

RAIL CROSSING SAFETY STUDY

Project Information Handout

April 5, 2018

NEXT STEPS – MOVING FORWARD



LISTENING SESSION 1 WITH COMMUNITY **(04/18/2017)**

- Obtain Input from Community During Open House
- Obtain Input from Community from Questionnaires & On-Line Survey



LISTENING SESSION 2 WITH COMMUNITY **(12/14/2018)**

- Present Results Initial of 1 on 1 Interviews and Survey
- Obtain Additional Input from Community



DEVELOP SAFETY IMPROVEMENT CONCEPTS **(January to April)**

- Develop Concepts Generated from Public Input
- Obtain Feedback from Community on Best Alternative in 2nd Public Listening Session



PUBLIC INFORMATION MEETING **(Today – 04/05/2018)**

- Present Final Results of Interviews and Survey
- Obtain Feedback on Preliminary Concepts
- Present Cost Benefit Report



REFINE CONCEPTS FOR FINAL REPORT **(April)**

- Recommendations Based on Public Listening Sessions
- Meetings with LPA Agencies & Stakeholders



MASTER PLAN REPORT **(05/01/2018)**

- Submit Final Safety Recommendations & Priority Projects to MoDOT

RAIL CROSSING SAFETY STUDY

Project Information Handout

April 5, 2018

ALTERNATE SUMMARY TABLE & VOTING INSTRUCTIONS

CROSSING	① Alternate #1	② Alternate #2	③ Alternate #2A	④ Alternate #3	⑤ Alternate #4
Route MM	Open (Overpass)	Open (Overpass)	Open	Open (Overpass)	Open (Overpass)
County Road 170	Open	Open	Open	Open	Open
County Road 93	Open	X	X	Open	X
MO 174	Open	Open	Open	Open	Open
Hines St.	Open	Open	Open	Open	Open
Hampton Ave.	Open	Open	Open	Open	Open
Main St.	Open	Open	Open	Open	Open
West St.	X	Open	Open	Open	X
O'Neal/ Miller Rd.	Open	Open	Open	Open	X
New Overpass (MO 174 Connector)	N/A	N/A	N/A	N/A	Open
County Line Rd. 194	X	Open	Open	Open	X
Closure Summary	2 Total Closures	1 Total Closure	1 Total Closure	0 Total Closures	4 Total Closures

X = Crossing Closure | Open = Crossing Remains Open | Keep = Crossing Remains Open with Improvements

YELLOW DOTS

- Workshop attendees will be provided four (5) yellow dots that should be placed on their preferred alternative, with the number 1 being the highest and 4 being the lowest ranking. (Example: 5 Dots will be placed in preferred ranking of Alternative Numbers 1,2,3,4, and 5.)

RAIL CROSSING SAFETY STUDY

Project Information Handout

April 5, 2018

INCIDENT HISTORY

	STREET	US DOT #	RR MP.	ACCIDENTS	INJURY STATUS	DATE
REPUBLIC	Route MM	673274J	248.09	2	Killed	7/28/1986
					Injured	7/20/1998
	County Road 170	673275R	248.90	4	Uninjured	7/21/1979
					Uninjured	7/14/1994
					Uninjured	12/13/1994
					Uninjured	12/4/1996
	County Road 93	673276X	249.52	4	Injured	12/8/1980
					Uninjured	8/21/1986
					Injured	5/12/1990
					Injured	6/8/1990
	MO 174 (Grade Sep.)	673277E	250.44	-	-	-
	Hines Street	673278L	250.75	1	Uninjured	1/21/1998
	Hampton Ave.	673279T	251.25	1	Uninjured	10/11/1982
	Main Avenue	673280M	251.63	3	Uninjured	6/25/1977
					Injured	3/22/1979
					Uninjured	9/19/2003
	West Avenue	673281U	251.93	1	Injured	9/30/1978
	O'Neal Road/ Miller Road	673282B	252.24	2	Killed	1/30/2003
					Uninjured	2/3/1983
	County Line Road 194	673283H	253.88	4	Uninjured	11/17/1997
Uninjured					2/27/1994	
Uninjured					2/26/1994	
Uninjured					8/26/1978	

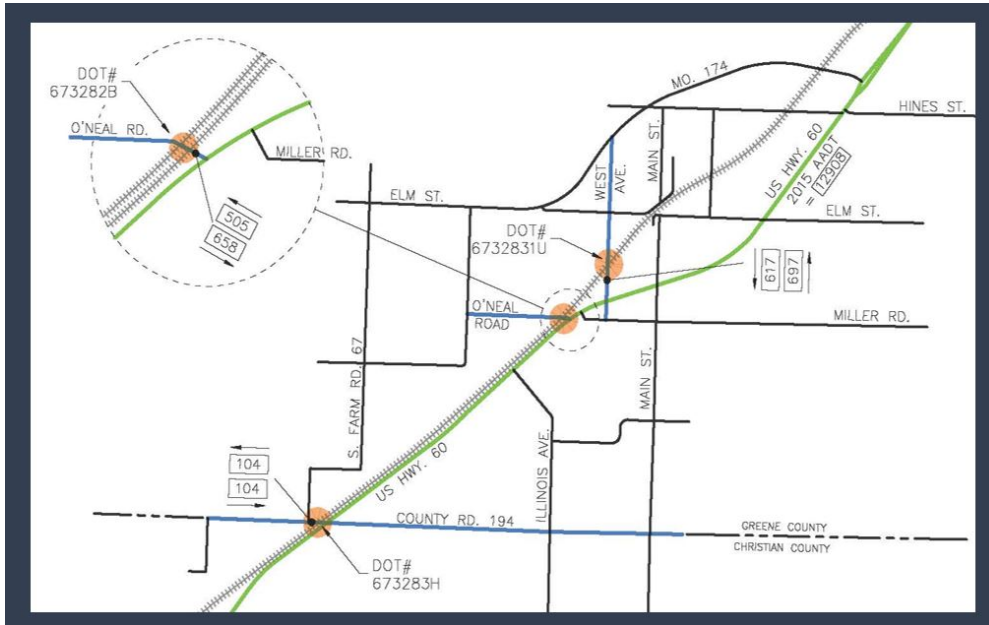
22 Total Incidents with 6 Injuries & 2 Fatalities

RAIL CROSSING SAFETY STUDY

Project Information Handout

April 5, 2018

TRAFFIC COUNT SUMMARY



CROSSING	Route MM	CR 170	CR 93	MO 174	Hines St.	Hampton Ave.	Main St.	West Ave.	O'Neal/Miller Rd.	County Line 94
ADT	9,263	280	524	7,533	1,830	840	4,190	1,121	746	520
Rank	1	10	8	2	4	6	3	5	7	9

1 = Highest Traffic Volume

10 = Lowest Traffic Volume

RAIL CROSSING SAFETY STUDY

Project Information Handout

April 5, 2018

ALTERNATE SUMMARIES

ALTERNATE 1

- Roadway Improvements at Route MM
- Intersection Improvements at US Highway 60 & Route MM

ALTERNATE 2

- Roadway Improvements at Route MM, US Highway 60 at O'Neal Rd., & US Highway 60 at County Line Rd. 194
- Intersection Improvements at US Highway 60 & Route MM
- Sidewalk Improvements on N. Side of MO 174 and W. Side of Main St.
- Security fence Improvements between Hines & Hampton

ALTERNATE 2A

- Roadway Improvements at US Highway 60 at O'Neal Rd. & US Highway 60 at County Line Rd. 194
- Sidewalk Improvements on N. Side of MO 174 and W. Side of Main St.
- Security Fence Improvements between Hines & Hampton

ALTERNATE 3

- No Improvements – Remain as Is

ALTERNATE 4

- Roadway Improvements at Route MM & between CR 194 & MO 174 (New Overpass)
- Intersection Improvements at US Highway 60 & Route MM, US Highway 60 & New Overpass, New Overpass Connector & MO 174, & New Overpass Connector & CR 194
- Sidewalk Improvements on N. Side of MO 174 and W. Side of Main St.
- Security Fence Improvements between Hines & Hampton

RAIL CROSSING SAFETY STUDY

Project Information Handout

April 5, 2018

WHAT YOU SAID

Q1: RR's Contribution to Vehicular Traffic Congestion	3.67 (1 = No Impact, 5 = Highly Impactful)
Q2: Current At-Grade Crossing Condition	3.14 (1 = Very Poor, 5 = Excellent Condition)
Q3: Importance of Quiet Zone	3.19 (1 = Not Important, 5 = Very Important)
Q4: Current At-Grade Crossing Safety	3.40 (1 = Not Safe, 5 = Very Safe)
Q5: Rail Traffic Impact on Emergency Response	4.12 (1 = No Impact, 5 = High Impact)
Q6: Characterize Your Wait When Stopped For Rail Traffic	3.36 (1 = Not Bothered, 5 = Very Irritated)
Q7: In Favor of Eliminating RR Crossings	45% - Yes 55% - No

“As a pedestrian trying to cross the tracks, you really need to be watching for vehicular traffic due to limited sight distance of the humped crossing at Main Street.”

“The Police Chief and apparently the Fire Chief both are saying there are response issues due to trains blocking the Rte. MM crossing.”

“I think West Ave. would be a good option for a closure. Emergency vehicles can still get to where they need to go... the skew and sight distance at this location is worse than O’Neal and is hard to see trains.”

“CR 170 services the animal clinic and would result in long distance to Boston Lane to access this business.... I think we need to keep this crossing.”

“I’ve been living here for years and don’t see much traffic at CR 93. I suggest that you look at closing this crossing... there is a short distance between the crossing at Hwy 60 and has a big hump in the roadway that makes it hard to see.”

“You cannot close County Line Rd. 194....it is critical for access and would result in a long detour.”

“Bring back Operation Life Saver that BNSF had.”

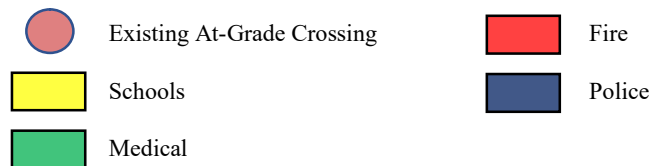
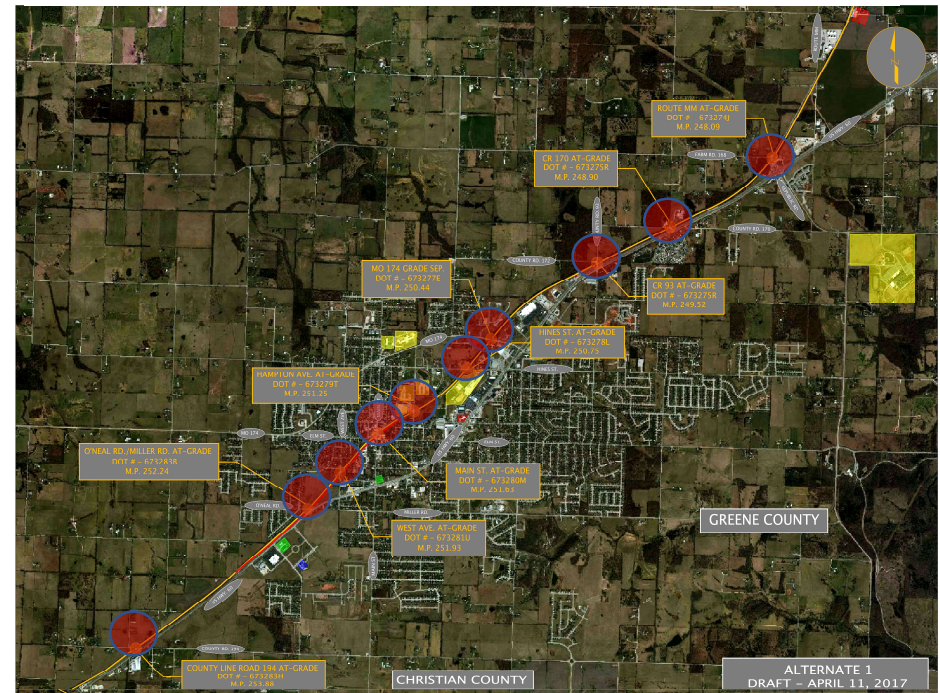
RAIL CROSSING SAFETY STUDY

Project Information Handout

April 5, 2018

EMERGENCY ACCESS SUMMARY

- Trains blocking the crossing is a concern when responding to emergency calls. However, the grade separated structure at MO 174 helps maintain access when these other locations are blocked.
- Most of the school facilities are located on the north side of the tracks between MO 174 and Main St.
- The Fire Station is located on the east side of the tracks along Hines St. The trucks do not cross CR 170 or CR 93
- Republic has one Police Station located just southwest of the O’Neal crossing.
- The Cox Health Ambulance Staging Area is also located near that location.



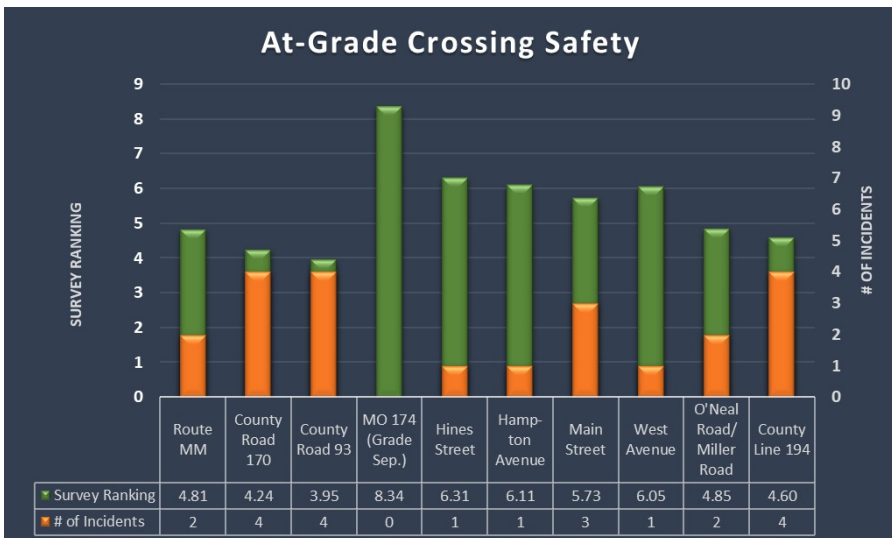
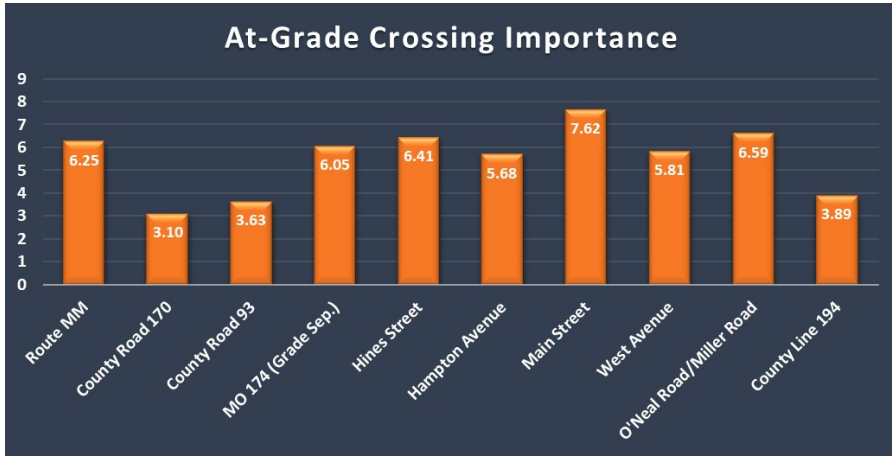
RAIL CROSSING SAFETY STUDY

Project Information Handout

April 5, 2018

SAFETY STUDY APPROACH

- Obtain feedback from local businesses and from the general public through 1 on 1 meetings, mass questionnaire mailings, online survey and public information meetings.
- Conduct Comprehensive Traffic Study.
- Develop Safety Improvement Concepts for Consideration.



RAIL CROSSING SAFETY STUDY

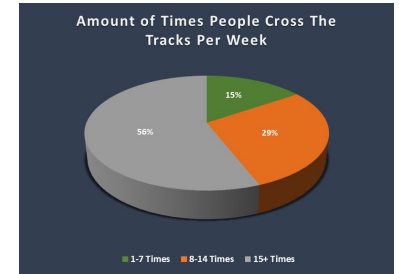
Project Information Handout

April 5, 2018

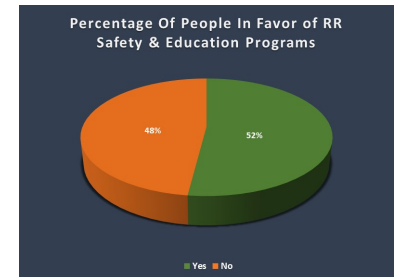
WHAT YOU SAID

91 Total Responses from E-Mail, Mail-In, Meeting, and On-Line

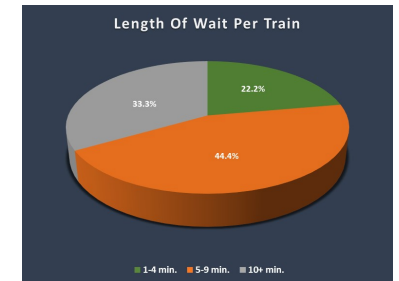
- 56% of Responders Cross Tracks More than 15 Times Per Week



- 52% of Responders Are in Favor of Additional RR Safety & Education Programs



- 44.4% of Responders Indicate That Their Wait Time at Crossings Is Between 5-9 Minutes



- 44% of Responders Indicate That the Frequency of Being Stopped at a Crossing is Between 1-2 Times Per Week

